

Catalog of advanced bean lines from CIAT



WHITE

Alubia

White Kidney

Caballero

Navy

CREAM

Cargamanto

Cranberry

Carioca

Mulatinho

Pinto

YELLOW

Amarillo Grande

Canario

Jalo/Manteca

BROWN

Marron

PINK

Flor de Mayo

Miss Kelly

Light Red Kidney



RED

Cafetero

Calima

Pompadour

BAT 1297

Bola Roja

Red Kidney

Dark Red Kidney

Duva

Radical

Mexico 80

Zamorano

PURPLE

Mwezi Moja

Mortiño

BLACK

Negro Opaco



SB
327
.C37
c.3

327
.C37
c.3



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13 JUL. 1995

CATALOG OF ADVANCED BEAN LINES FROM CIAT
CATALOGO DE LINEAS AVANZADAS DE FRIJOL DEL CIAT
CATALOGUE DES LIGNEES AVANCEES DE HARICOT DU CIAT

BEAN PROGRAM
PROGRAMA DE FRIJOL
PROGRAMME - HARICOT

CENTRO INTERNACIONAL DE AGRICULTURA TROPICAL (CIAT)

APARTADO AEREO 6713
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Introduction

This catalog was compiled to provide bean researchers with basic information on advanced lines produced by the Centro Internacional de Agricultura Tropical (CIAT), relying primarily on data from VEF (Vivero Equipo de Frijol = Bean Team Nursery) trials up to 1993. Information is provided on parents, market classes, seed type, growth habit, phenology, and reactions to photoperiod, *Empoasca*, BCMV, common bacterial blight, anthracnose, angular leaf spot and rust. Researchers interested in further information may consult performance of lines in individual trials. To facilitate such consultations, the first year of participation of a line in the VEF and IBYAN are given.

In 1994, the Bean Program reorganized its system of international nurseries and trials to improve evaluations of specific traits and to encourage submission of germplasm from national programs or other sources. The functions of the former VEF and EP (Ensayo Preliminar = Preliminary Trial) were merged to create the International Bean Nursery (IBN), which will run on a two-year cycle and include more extensive testing of races of diseases, physiological traits and response to edaphic constraints.

All advanced lines are identified by a one-or-three-letter code followed by a number (up to five digits). The letter code is frequently used by CIAT researchers to indicate an intended attribute of a set of lines (Table I). If selections are made within a line, these are identified by an additional one-letter or number code (e.g. ABC 12345-A).

The market class indicates the grain type of an advanced line. In some cases, the line may satisfy all of the standards of an internationally recognized market class. In other cases, the line is assigned to the class it best fits, but without satisfying all requirements. Some market classes are known world-wide, while others refer to local types, particularly for Latin America. To help the user interpret the classes, a description and/or the name of cultivars of similar characteristics are provided in Table II and examples of major classes are provided on the cover of the catalog.

Descriptions of the classifications used for seed color and growth habit are taken from Standard Evaluations (Schoonhoven and Pastor-Corrales, 1987). Photoperiod response was evaluated using the system of White and Laing (1989). All classifications are summarized in Table III.

Requests for seed of the advanced lines may be addressed to the Bean Program Leader, CIAT. For international shipments, phytosanitary requirements must be indicated. Only lines evaluated in the EP (Preliminary Trials of the Bean Program) are maintained on a continuous basis, so availability of seed is not guaranteed. Nurseries and uniform trials are also available from Bean Agronomy, CIAT.

Table I. Definition of letter codes for advanced lines and other materials listed.

Code	Bred by ^a	Type of accession	Significance of the code
A	SPS	Adv-line	Advanced line for America
ABA	SPS	Adv-line	Alubia blanco arbustivo (bush Alubia)
ACV	JHCD	Adv-line	Climber, Central America (small red)
AFR	JK	Adv-line	Africa
AND	JK	Adv-line	Andean region
ANT	JK	Adv-line	Anthracoze project
APN	SRT/SEB	Adv-line	Apion
ARA	SPS	Adv-line	Resistant to anthracnose
ASC	JK	Adv-line	Ascochyta project
BAN	SRT	Adv-line	Bayos de costa (Bayos for Pacific coast)
BAT	SRT	Adv-line	Bean adapted to the tropics
BLM	SRT	Adv-line	Medium whites
BRB	JK	Adv-line	Black root resistant bush
BRC	JK	Adv-line	Black root resistant climber
BRU	JK	Adv-line	Bruchid project
CAB	JK	Adv-line	Caballeros (marrows)
CAL	JK	Adv-line	Calima type (red pinto type)
CAN	SRT/SEB	Adv-line	Canarios de costa (canarios for Pacific coast)
CAP	JK	Adv-line	Canario arbustivo Peru (bush Canario)
CAR	JK	Adv-line	Cargamanto type (climbing Cranberry)
COS	SRT	Adv-line	Otros colores suaves (crema, dorado) (light colors: cream, golden yellow)
CTC	SPS	Adv-line	Coscorron and tortola types
CVP	JK	Adv-line	Canario voluble Peru (climbing Canario)
DFA	JK	Adv-line	Low-phosphorus tolerant bush (from Darien)
DFV	JK	Adv-line	Low-phosphorus tolerant climber (from Darien)
DOR	SRT/SEB	Adv-line	Bean Golden Mosaic Virus
DRK	JK	Adv-line	Dark Red Kidney
EMP	SRT/JK	Adv-line	<i>Empoasca</i> project
FA	SRT	F ₁	Dummy code for SRT's F ₁ hybrids
FAS	SPS	Adv-line	Frijoles para suelos acidos (acid soil tolerant)
FAT	SPS	Adv-line	Frijoles arbustivos tardio (late bush)
FB	SPS	F ₁	Dummy code for SPS's F ₁ hybrids
FC	JK	F ₁	Dummy code for JHCD's F ₁ hybrids

Cont.

Table I. Cont.

Code	Bred by ^a	Type of accession	Significance of the code
MUS	SRT/SEB	Adv-line	Mustia (web blight) project
NAB	SRT/SEB	Adv-line	Black bush, Argentina & Brazil
NAC	SRT/SEB	Adv-line	Black bush, Costa Rica
NAG	SRT/SEB	Adv-line	Black bush, Guatemala & C. America
OBA	ICA/JK	Adv-line	Bush lines from Obonuco (2800 m)
OBN	ICA/JK	Adv-line	Climbing lines from Obonuco (2800 m)
PAC	SRT	Adv-line	Panamitos, California small white
PAD	SRT/SEB	Adv-line	Moteado Pompadour (determinate Pompadour)
PAI	SRT/SEB	Adv-line	Pompadour arbustivo (indeterminate Pompadour)
PAN	SRT	Adv-line	Panamitos, navy beans
PAR	SPS	Adv-line	Pre-VEF Argentina
PAT	SRT	Adv-line	Pompadour arbustivo templado (bush Pompadour)
PBZ	SPS	Adv-line	Pre-VEF Brazil
PEF	SPS	Adv-line	Frijol precoz experimentales (early maturing)
PMX	SPS	Adv-line	Pre-VEF Mexico
POA	JK	Adv-line	Bush Pompadour-type
POT	SPS	Adv-line	Yield potential for Brazil
PRE	SRT/SEB	Adv-line	Early maturing
PVA	SPS	Adv-line	Pre-VEF Andean
RAA	JK	Adv-line	Radical type, bush
RAB	SRT/SEB	Adv-line	Red bush brilliant, monoculture
RAD	JK	Adv-line	Radical type, climber
RAO	SRT/SEB	Adv-line	Red bush opaque, monoculture
RAZ	JK	Adv-line	Resistant to <i>Zabrotes subfasciatus</i>
REC	JK	Adv-line	Recessive BCMV gene
REN	JK	Adv-line	Yield potential project
RGB	SRT	Adv-line	Red, with guide, brilliant
RIZ	SRT	Adv-line	<i>Rhizobium</i> , enhanced N-fixation
ROS	SEB	Adv-line	Brazilian reds (rosinha, rosinho, roxao, roxo)
RUS	SRT	Adv-line	Rust project
RWR	ISAR/MD	Adv-line	Adapted in Rwanda
SA	SRT	Seg-pop	Dummy code for SRT's seg. pops.
SAN	JK	Adv-line	Sangretoro type
SB	SPS	Seg-pop	Dummy code for SPS's seg. pops.
SC	JK	Seg-pop	Dummy code for JHCD's seg. pops.

Cont.

Table II. Market classes used to characterize advanced lines at CIAT.

Primary seed color	Market class	Similar types	Description
<u>White</u>			
	Alubia		Large, cylindrical
	Bola Blanco		Large, round
	White Kidney		Large, kidney-shaped
	Fabada		Large
	Caballero	Cristal Perry Marrow	Medium, round
	Great Northern		Medium, flat
	Navy	Pea bean Arroz	Small, round
	Small white	Panamito Blanquillo	Small
<u>Cream</u>			
	Bola Bayo		Round, large
	Bayo Andino	Titan, Chimu Florida	Ovoid, medium, light tan
	Bayo Mexicano		Flat, med/large,
	Gordo	Madero, Zacatecas	Light tan
	Cargamanto		Same as cranberry, large, round
	Cranberry	Frutilla	With red stripes, large
	Carioca		With brown stripes, small
	Llanogrande		With purple spots, large
	Mulatinho		Small
	Bico de Ouro		Small, yellow hilum
	Ojo de Cabra		With brown stripes, medium/large
	Pinto	Hallados	With brown spots, medium
	Piririta		With black patches
	Speckled Sugar		Like cranberry but small
	Zebra		With black stripes, all sizes

Cont.

Table II. Cont.

Primary seed color	Market class	Similar types	Description
<u>Red</u>			
<u>Red mottled group</u> : different shades of red and different secondary colors distinguish the classes (actually regional varieties). All of them might be labelled as Red Pinto or Rose Coco.			
Large seeded:			
	Cafetero		
	Calima		
	Citara		
	Frijolica P1.1		
	Tundama		
Medium seeded:			
	Anasazi	Boca de Angel	
	Nima		
	Pompadour		
Small seeded:			
	BAT 1297		
<u>Solid red group</u> :			
Large seeded:			
	Bola Roja	Bolon rojo	Round
	Red Kidney	RK	Kidney-shaped
	Dark Red Kidney	DRK	Kidney-shaped
	Duva		Cylindrical
	Sangreoro		Short-cylindrical

Cont.

Table III. Explanation of table headings and evaluations in the listings.

Seed col.

Colors:	1 White	6 Red
	2 Cream-beige	7 Purple
	3 Yellow	8 Black
	4 Brown-maroon	9 Others - grey, etc.
	5 Pink	

The letter and single digit that sometimes follow the first digit indicate color patterns. For example 2M6 indicates "cream with red mottling."

J = *jaspeado*, pattern of flor de mayos

M = mottled

P = pinto pattern

R = *rayado*, striped

Seed Wt

Weight of 100 seed in grams

Hab

Growth habit according to

- I Determinate habit:
 - Ia: Strong and erect system
 - Ib: Weak stem and branches
- II Indeterminate bush habit, erect stems:
 - IIa: Without guide
 - IIb: With guide, tendency to climb
- III Indeterminate bush habit with weak mainstem and with prostrate branches
 - IIIa: Short guide, no tendency to climb
 - IIIb: Long guide, tendency to climb
- IV Indeterminate climbing habit:
 - IVa: Moderate vigor, forms pods throughout the plant
 - IVb: Very vigorous, forms pods predominantly in the upper part of the plant

Days to Fl

Days to flowering (R6) measured as days after planting, and recorded when 50% of the plants had at least one open flower. Mean of data from VEF, EP, and IBYAN trials at CIAT-Palmira.

Cont.

Table III. Cont.

CBB

Reaction to common bacterial blight (*Xanthomonas campestris*) under artificial inoculation. Highest score of VEF and EP trials including leaf and pod evaluations.

1 = No visible disease symptoms

9 = More than 25% of the leaf surface with large coalescing and generally necrotic lesions resulting in defoliation.

ALS

Reaction to angular leaf spot (*Phaeoisariopsis griseola*) under artificial inoculation. Highest score of VEF and EP evaluations.

1 = No visible disease symptoms

9 = More than 25% of the leaf surface with large coalescing and generally necrotic lesions resulting in defoliation.

Rust

Reaction to bean rust (*Uromyces appendiculatus* var. *appendiculatus*) under artificial inoculation. Highest score of VEF.

1 = No visible disease symptoms

9 = Presence of large and very large pustules, with chlorotic halos, that cover more than 25% of the leaf surface and cause premature defoliation.

VEF

Yr = First year of participation in VEF

Ent = Entry number

IBYAN

First year of participation in IBYAN trials.

Line	Cross	Cult. type	Seed			Days to					VEF	IB					
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
A	57	A23xINT248	N
A	58	G1853xG5694	4M	23	2	43	.	.	N	8	7	5	1	3	80-398	.	
A	59	A5xG2618	4	27	2	33	.	5	N	9	7	3	7	3	80-399	80	
A	60	A30xG2618	2	18	2	39	.	.	N	9	9	7	1	7	80-400	.	
A	61	A30xG2618	5	18	2	38	.	.	N	9	5	3	1	7	80-401	.	
A	62	A30xG2618	4	27	2	35	.	7	N	9	3	3	7	5	80-402	80	
A	63	BAT93x (INT248xA32)	3	22	2	42	.	8	N	8	3	3	1	3	80-403	.	
A	64	INT248xG3445	3	30	2	37	.	8	N	9	3	5	7	7	80-404	.	
A	65	INT248xG2858	3	34	2	39	.	8	N	9	7	7	7	7	80-405	.	
A	66	INT248xG2858	3M	29	2	34	.	.	N	9	.	7	7	5	80-406	.	
A	67	INT248xG2858	3M	30	2	34	.	.	N	8	3	9	7	7	80-407	83	
A	68	INT248xG2858	3R	28	2	35	.	.	N	9	5	9	5	5	80-408	.	
A	69	G2910xG3807	3R	20	1	35	.	.	N	9	5	9	1	9	80-409	.	
A	70	G2910xG3807	3R	20	3	37	.	4	N	9	3	9	1	7	80-410	.	
A	71	G6475xG2618	3	23	2	41	.	.	N	9	5	7	3	7	80-411	80	
A	72	G7464xG5694	5M	20	2	35	.	5	N	9	5	5	1	7	80-412	80	
A	73	A30xG4017	3R	23	3	38	.	2	N	9	3	7	3	7	80-413	82	
A	74	A30xG4017	3R	21	3	37	.	.	N	8	3	7	1	1	80-414	80	
A	75	A30xG4017	3R	22	2	42	.	.	N	8	5	3	1	7	80-415	.	
A	76	G4017xINT229	3R	21	3	43	.	.	N	9	7	7	1	9	80-416	.	
A	77	G3807xG4017	3R	23	1	35	.	2	N	9	3	9	1	7	80-417	.	
A	78	G3807xG4017	3R	23	1	39	.	.	N	9	3	9	1	7	80-418	.	
A	79	G4000xG4017	3R	22	3	40	.	2	N	8	3	7	1	9	80-419	82	
A	80	G4000xG4017	3R	18	2	40	.	.	N	8	3	7	1	7	80-420	81	
A	81	G4000xG4017	3R	19	2	38	.	.	N	9	1	7	1	7	80-421	80	
A	82	G4017x (A23xG4000) F1	3R	21	3	39	.	1	N	8	1	9	1	5	80-422	.	
A	83	G4017x (A30xG4000) F1	3R	26	3	40	.	2	N	9	3	7	1	9	80-423	80	
A	84	G4017x (A30xG4000) F1	3R	17	2	38	.	.	N	9	7	9	1	5	80-424	.	
A	85	G21713xG4017	3R	20	3	43	.	.	N	9	5	5	1	7	80-425	.	
A	86	G21713xG4017	3R	23	3	40	.	1	N	9	5	7	1	7	80-426	82	
A	87	G21713xG4017	3R	21	3	41	.	.	N	9	3	7	1	7	80-427	.	
A	88	G21713xG4017	3R	23	3	40	.	1	N	9	7	7	1	7	80-428	.	
A	89	G21713xG4017	3R	27	3	39	.	2	N	9	5	7	1	9	80-429	82	
A	90	G4097	3R	23	3	38	.	1	N	9	3	7	1	3	80-430	81	
A	91	A32xG	8	14	2	39	.	.	N	9	7	7	1	7	80-431	.	
A	92	G4830xBAT108	8	19	2	37	.	.	N	9	7	7	1	7	80-432	.	
A	93	G4830xG6474	3M	26	2	39	.	.	N	9	7	5	1	7	80-433	.	
A	94	A21xG4017	3R	21	3	39	.	.	N	8	7	7	1	3	80-434	.	
A	95	A21xG4017	3R	20	3	45	.	.	N	9	3	7	1	7	80-435	.	
A	96	G13497x (A23xG4000) F1	3	22	2	40	.	5	N	7	7	9	1	7	80-436	.	
A	97	G13497x (A23xG4000) F1	3	20	2	39	.	2	N	5	7	7	1	7	80-437	81	
A	98	G13497x (A23xG4000) F1	3	18	2	39	.	3	N	8	3	7	1	7	80-438	.	
A	99	G13497x (A23xG4000) F1	3	25	2	38	.	3	N	8	7	7	1	7	80-439	.	
A	100	G13497x (A23xG4000) F1	3R	22	3	39	.	3	N	9	5	7	1	7	80-440	80	
A	101	G13497x (A23xG4000) F1	3M	16	2	39	.	1	N	9	7	7	1	7	80-441	.	
A	102	G13497x (A23xG4000) F1	3M	20	2	39	.	.	N	9	5	9	1	7	80-442	.	
A	103	G13497x (A23xG4000) F1	4M	18	2	41	.	.	N	8	5	9	1	7	80-443	.	
A	104	G13497x (A23xG4000) F1	3M	20	2	40	.	.	N	7	5	7	1	9	80-444	.	
A	105	G13497x (A23xG4000) F1	3M	18	2	43	.	.	N	7	9	7	1	7	80-445	.	
A	106	G4000xG4017	3R	18	2	44	.	.	N	8	7	7	1	7	80-446	.	
A	107	G4000xG4017	3R	26	2	43	.	1	N	9	5	7	1	7	80-447	82	
A	108	G5066x (A23xG4000) F1	5M	30	3	36	.	.	N	9	3	7	1	5	80-448	80	
A	109	G4004xA23	5M	20	1	34	.	.	N	9	3	9	1	7	80-449	80	
A	110	A21xG1853	7	24	2	39	.	.	N	9	3	7	1	3	80-450	.	
A	111	A30xG1853	2	26	2	43	.	.	N	7	5	5	1	5	80-451	.	
A	112	A30xG1853	4M	24	1	37	.	5	N	9	3	7	1	5	80-452	80	

Line	Cross	Cult. type	Seed			Days to										VRF Yr	IB YAN
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust			
A	113	G4017xINT248	3R	21	2	43	.	5	N	8	3	7	1	7	80-453	82	
A	114	G1771xA21	4	25	3B	41	75	7	N	9	5	7	8	7	80-3	83	
A	115	A30xG22147	7	26	2	36	.	.	N	9	3	5	1	5	80-455		
A	116	G22147x(A21xG22147) F1	7	41	1	33	.	6	N	9	3	9	1	3	80-456	80	
A	117	G22147x(A21xG22147) F1	7	47	1	36	.	.	N	9	3	5	1	5	80-457		
A	118	A21xG13497	3	25	3	37	.	3	N	7	7	7	1	3	80-458		
A	119	A21xG13497	3	19	2	40	.	.	N	8	5	7	1	7	80-459		
A	120	A21xG9862	4	32	3	37	.	5	N	9	3	7	9	3	80-460		
A	121	A21xG9862	4	27	3	37	.	.	N	9	3	7	5	3	80-461		
A	122	A21xG9862	4	28	3	37	.	.	N	9	3	5	7	5	80-462		
A	123	A21x(G6474xINT248) F1	4R	19	2	40	.	.	N	8	7	7	1	5	80-463		
A	124	A23xINT248	3	19	1	42	.	4	N	9	5	9	1	7	80-464		
A	125	A23xINT248	3M	21	2	41	.	.	N	9	7	9	1	5	80-465		
A	126	A23xINT248	3	21	2	43	.	4	N	8	5	9	1	7	80-466		
A	127	A23xINT248	4M	24	1	39	.	.	N	9	3	9	1	7	80-467		
A	128	A23xINT248	3M	22	2	43	.	.	N	9	7	7	1	5	80-468		
A	129	A23x(INT248xG3445) F1	3M	24	1	37	.	.	N	9	9	7	7	3	80-469		
A	130	A23x(INT248xG5066) F1	3M	25	2	39	.	.	N	9	5	7	1	9	80-470		
A	131	A23x(INT248xG5066) F1	3	26	2	38	.	8	N	9	5	9	1	7	80-471		
A	132	A28xINT248	3	28	1	39	.	3	N	4	7	9	1	7	80-472		
A	133	A28xINT248	3	25	1	38	.	4	N	6	7	9	1	7	80-473		
A	134	A28xINT248	3	22	1	36	.	.	N	9	7	7	1	7	80-474		
A	135	A28xINT248	3M	23	2	40	.	.	N	7	5	7	1	7	80-475		
A	136	A28xINT248	4M	22	1	39	.	.	N	9	5	9	1	7	80-476		
A	137	A28xINT248	3	20	1	39	.	.	N	9	7	9	1	5	80-477		
A	138	A28xINT248	3	26	1	35	.	.	N	9	5	9	1	7	80-478		
A	139	A28x(INT244xA30) F1	3M	20	2	39	.	.	N	9	5	7	1	9	80-479		
A	140	A30xG13497	3	20	3	40	.	3	N	5	1	7	1	7	80-480	81	
A	141	A33xG6499	5M	20	2	40	.	.	N	9	3	7	1	7	80-481		
A	142	A35xINT248	3	30	1	39	.	.	N	9	5	9	1	7	80-482		
A	143	A35xINT248	3	17	1	41	.	.	N	9	5	9	1	7	80-483		
A	144	A35xINT248	3M	23	1	39	.	.	N	8	5	9	1	7	80-484		
A	145	A35xINT248	3M	18	1	43	.	.	N	9	5	9	1	7	80-485		
A	146	A35xG6499	5M	23	2	38	.	.	N	9	5	7	1	5	80-486		
A	147	A21xG13497	3	19	3	38	.	3	N	9	3	7	1	5	80-487	80	
A	148	A21xG13497	3	26	2	38	.	3	N	9	3	7	1	7	80-488	82	
A	149	INT248xG4453	3	29	1	40	.	8	N	9	9	7	1	5	80-489		
A	150	INT248xA21	3	17	1	39	.	.	N	8	3	9	1	7	80-490		
A	151	INT248xA21	7	22	2	40	.	.	N	8	7	7	1	9	80-491		
A	152	INT248xA30	3	20	2	43	.	.	N	8	3	3	1	7	80-492	82	
A	153	INT248xA30	3	15	2	43	.	6	N	7	3	5	1	7	80-493		
A	154	INT248xA30	3	22	2	43	.	6	N	6	3	5	1	5	80-494	82	
A	155	INT248xA30	3	18	1	39	.	4	N	9	1	5	1	3	80-495		
A	156	INT248xA30	3	22	2	44	.	6	N	8	1	7	1	5	80-496	80	
A	157	INT248xA32	3	29	2	38	.	4	N	7	5	9	1	3	80-497		
A	158	INT248xG677	7M	24	1	40	.	.	N	7	5	9	1	5	80-498		
A	159	INT248xG5066	5	31	2	39	.	.	N	7	5	7	5	5	80-499		
A	160	G11893xA32	3	18	2	39	.	1	N	7	9	7	1	5	80-500		
A	161	G11893xA32	3	24	2	43	.	1	N	5	1	7	1	3	80-501	81	
A	162	G11893xA32	3	18	3	44	.	1	N	6	1	5	3	3	80-502	81	
A	163	G11893xA32	3	18	2	42	.	2	N	8	1	7	1	5	80-503	82	
A	164	INT262xA23	3M	26	2	40	.	.	N	9	5	7	1	7	80-504		
A	165	A21xINT263	4	21	2	35	.	6	N	9	3	7	1	7	80-505	80	
A	166	A21xINT263	4	26	3	43	.	.	N	9	3	7	1	9	80-506		
A	167	INT244xA30	3	18	2	42	.	1	N	9	3	7	1	3	80-507		
A	168	INT244xINT248	3	20	2	41	.	.	N	9	3	7	1	5	80-508		

Line	Cross	Cult. type	Seed			Days to							VEF Yr	IB YAN		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Ruat
A	169	INT248x(INT244xINT248) F1	3M	24	1	40	.	.	N	9	5	9	1	5	80-509	
A	170	INT244xINT266	3	19	2	40	.	1	N	8	5	9	1	7	80-510	
A	171	G2856xA30	3M	27	3	34	.	.	N	9	1	7	7	7	80-511	
A	172	G3807xINT248	3	15	1	42	.	.	N	8	3	7	1	7	80-512	
A	173	G6475xA23	4M	22	2	40	.	.	N	9	3	9	1	9	80-513	
A	174	G6730xA23	3M	24	1	34	.	.	N	9	5	9	1	7	80-514	
A	175	G7951xA30	2	22	3	40	.	4	N	9	3	7	1	5	80-515	80
A	176	G7951xA30	2	22		40	73	1	N	9	9	7	5	5	80-2	81
A	177	G5703xG3807	3	26	1	35	.	.	N	9	3	9	1	5	80-517	
A	178	G6529xG3807	3	23	3	38	.	.	N	7	3	5	1	7	80-518	
A	179	G4453xG3843	7M	32	1	36	.	.	N	9	7	7	1	3	80-519	82
A	180	G22147xG6474	7	34	1	34	.	.	M	9	.	7	.	5	80-520	80
A	181	G22147xG6474	7	40	1	33	.	.	M	9	3	5	.	5	80-521	
A	182	G22147xG6474	7	35	2	35	.	5	M	9	7	7	1	3	80-522	80
A	183	G4470xG5066	3M	36	1	33	.	.	M	9	3	5	1	3	80-523	
A	184	G4470xG6474	7M	37	1	32	.	.	M	9	3	5	1	7	80-524	
A	185	S25084xG404	7M	36	2	35	.	5	M	9	5	5	1	5	80-525	
A	186	G8050xG5703	3M	28	1	32	.	4	N	9	1	7	.	3	80-526	80
A	187	G8050xG5703	4	29	1	34	.	.	N	9	1	5	1	5	80-527	
A	188	INT248x(G6615xG5694) F1	3	29	2	43	.	.	N	7	3	9	1	3	80-528	
A	189	G21721xG583	7M	41	2	36	.	4	M	9	.	5	.	5	80-529	80
A	190	G21721xG583	7M	36	2	37	.	5	M	9	.	5	.	5	80-530	82
A	191	G21721xG583	6M	28	1	34	.	.	M	9	.	5	.	5	80-531	
A	192	G21721xG583	6M	45	2	36	.	8	M	9	.	5	.	5	80-532	
A	193	G21721xG6474	6M	19	2	37	.	5	M	9	3	5	1	5	80-533	80
A	194	G51xG6499	2	24	1	34	.	.	M	9	.	5	.	5	80-534	
A	195	G76xG21721	3	54	1	34	.	5	N	9	.	5	.	5	80-535	
A	196	G76xG21721	3	41	1	35	.	.	N	9	5	5	1	5	80-536	
A	197	G76xG21721	3	38		33	70	4	N	9	9	8	5	3	80-1	86
A	198	G122xG6499	3M	32	2	34	.	5	M	9	.	7	.	5	80-538	
A	199	INT248xG4495	.	.	.	.	.	.	M	.	.	.	.	.
A	200	G1771xINT248	3J	25	3	42	79	4	N	.	7	9	3	9	81-592	
A	201	INT248xG2858	3M	26	1	37	66	4	N	.	5	7	4	7	81-593	
A	202	G4004xA21	5M	21	3	43	74	.	N	.	2	9	5	7	81-351	
A	203	A33xG6499	5M	24	3	39	71	.	N	.	5	9	3	9	81-352	
A	204	G4440xG1771	3J	24	3	42	77	.	N	.	6	8	6	5	81-594	
A	205	G4440xG1771	3J	25	3	41	77	5	N	.	6	8	3	3	81-595	
A	206	G21721xG6474	.	.	.	.	.	.	N	.	.	.	.	.
A	207	INT248xG7460	1	10	1	41	76	4	N	.	7	9	1	7	81-460	
A	208	INT248xG7460	1	21	1	41	75	.	N	.	8	9	6	9	81-461	
A	209	INT239xINT248	2	21	2	38	72	8	N	.	2	7	5	9	81-860	
A	210	A30xG4017	8	17	2	44	80	4	N	.	5	9	2	3	81-1	81
A	211	A30xG4017	8	17	2	42	80	4	N	.	5	9	3	3	81-2	82
A	212	A30xG4017	8	17	2	42	80	.	N	.	7	8	2	3	81-3	
A	213	BAT76x(G879xG2402)	8	24	3	40	81	8	N	.	5	7	4	3	81-4	83
A	214	BAT76x(G1805xG3623)	8	19	3	43	81	4	N	.	5	7	3	3	81-5	
A	215	BAT76x(G1805xG3623)	8	21	2	43	78	.	N	.	7	7	2	7	81-6	
A	216	BAT76x(G1805xG3623)	8	21	3	43	79	.	N	.	6	7	2	3	81-7	
A	217	BAT76x(G1805xG3623)	8	22	2	41	73	.	N	.	7	7	3	3	81-8	
A	218	BAT76x(G1805xG3623)	8	23	2	41	77	1	N	.	7	8	4	3	81-9	81
A	219	BAT76x(G1805xG3623)	8	20	2	40	76	.	N	.	7	7	2	3	81-10	
A	220	BAT76x(G1805xG3623)	8	21	2	40	72	1	N	.	7	6	2	3	81-11	
A	221	BAT76x(G1805xG3623)	8	22	2	42	80	.	N	.	7	7	2	3	81-12	
A	222	BAT76x(G1805xG3623)	8	20	2	43	76	.	N	.	7	8	3	3	81-13	
A	223	G1805xBAT527	8	25	3	43	79	.	N	.	6	8	3	3	81-14	
A	224	G1805xBAT527	8	27	3	46	79	.	N	.	7	7	5	3	81-15	

Line	Cross	Cult. type	Seed			Days to						VEF		IB				
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS		Rust	Yr	Ent	YAN
A	225	G4830xG2618	NEGRO	OPACO	8	19	3	38	75	.	N	.	3	8	7	3	81-16	
A	226	G4830xG2618	NEGRO	SEMIBRILLA	8	22	3	43	80	.	N	.	2	8	7	9	81-17	81
A	227	G4830xG2618	NEGRO	OPACO	8	22	3	43	80	1	N	.	2	8	8	7	81-18	83
A	228	G4830xG2618	NEGRO	SEMIBRILLA	8	21	3	43	81	.	N	.	7	8	8	7	81-19	
A	229	G4830xG2618	NEGRO	OPACO	8	20	3	43	80	.	N	.	5	8	7	7	81-20	81
A	230	G4830xG2618	NEGRO	OPACO	8	18	3	44	80	.	N	.	2	7	8	7	81-21	
A	231	G4830xG2618	NEGRO	OPACO	8	19	3	44	80	1	N	.	2	8	8	7	81-22	82
A	232	A5xG4830	NEGRO	OPACO	8	23	2	45	81	.	N	.	8	7	5	7	81-23	81
A	233	A21xBAT527	NEGRO	OPACO	8	19	3	46	85	.	N	.	7	7	2	9	81-24	
A	234	A21xBAT527	NEGRO	OPACO	8	18	3	44	80	.	N	.	8	6	8	7	81-25	
A	235	G4017xG7148	NEGRO	OPACO	8	17	2	43	79	4	N	.	5	8	4	3	81-26	82
A	236	G11893xG4000	NEGRO	OPACO	8	18	3	43	80	.	N	.	5	7	5	7	81-27	
A	237	G4822xG4000	NEGRO	OPACO	8	20	2	43	78	1	N	.	7	6	2	3	81-28	81
A	238	A23x (INT248xG3445) F1			3M	29	1	41	76	.	N	.	2	8	4	5	81-856	
A	239	INT248xG4453			6	22	2	42	78	.	N	.	7	8	3	7	81-162	
A	240	A30x (A23xG4000) F1	CARIOCA		3M	22	2	43	76	6	N	.	1	8	3	5	81-857	
A	241	A21xG4017			3R	22	3	42	78	3	N	.	3	9	4	7	81-662	
A	242	A21xG4017	CARIOCA		3R	24	3	40	78	1	N	.	3	9	1	5	81-663	83
A	243	A21xG4017	CARIOCA		3R	23	3	41	77	1	N	.	2	9	5	5	81-664	
A	244	A21xG4017			3R	30	3	42	76	3	N	.	7	9	5	5	81-665	
A	245	A21xG4017			3R	33	3	41	76	3	N	.	5	9	6	5	81-666	
A	246	G4017xBAT76			3R	21	2	42	74	1	N	.	5	9	3	3	81-667	
A	247	G4017xBAT76			3R	22	2	43	74	1	N	.	5	9	3	7	81-668	88
A	248	G4017xBAT76			3R	24	2	41	75	1	N	.	2	9	5	3	81-669	82
A	249	G4017xBAT76			2	26		40	72	2	N	7	4	9	6	3	81-29	83
A	250	G4017xBAT76	CARIOCA		3R	23	2	42	77	2	N	.	2	9	5	3	81-671	
A	251	G4017xBAT76			3R	23	2	41	78	2	N	.	4	9	3	7	81-672	
A	252	G4017xG2618			3R	23	3	42	79	1	N	.	1	7	8	7	81-673	
A	253	G4017xG2618			3R	25	3	42	79	2	N	.	2	8	7	7	81-674	
A	254	G4017xG2618			3R	21	3	42	76	1	N	.	2	8	8	7	81-675	
A	255	G4017xG2618			3R	23	3	42	79	1	N	.	2	7	7	7	81-676	
A	256	G4017xG2618			3R	27	3	43	79	1	N	.	3	7	8	9	81-677	
A	257	G4017xG2618			3R	28	3	44	80	1	N	.	3	7	8	9	81-678	
A	258	G4017xG2618			3R	28	3	44	80	1	N	.	2	7	8	9	81-679	
A	259	G4017xG2618	CARIOCA		3R	23	3	40	72	1	N	.	2	9	7	5	81-680	
A	260	G4017xG2618			3R	28	3	39	72	1	N	.	7	9	7	3	81-681	
A	261	G4017xG2618			3R	28	3	44	85	1	N	.	2	7	8	9	81-682	
A	262	G4017xG2618	CARIOCA		3R	34	3	40	85	1	N	.	1	8	8	5	81-683	83
A	263	G4017xG2618			3R	33	3	41	85	1	N	.	3	8	8	7	81-684	
A	264	G4017xG2618			3R	34	3	41	85	1	N	.	3	8	7	3	81-685	
A	265	G4017xG2618			3R	33	3	41	77	2	N	.	2	8	8	7	81-686	
A	266	G4017xG2618			3R	33	3	41	78	1	N	.	2	7	8	7	81-687	
A	267	G3807xG4017	CARIOCA		3R	29	3	43	78	2	N	.	1	9	7	7	81-688	83
A	268	G4000xG4017	CARIOCA		3R	28	3	43	76	1	N	.	5	9	6	7	81-689	81
A	269	G4000xG4017			3R	23	2	41	77	1	N	.	4	9	5	7	81-690	
A	270	G4000xG4017			3R	22	2	41	77	1	N	.	3	9	7	7	81-691	
A	271	G4017xG5066	CARIOCA		3R	25	3	43	80	1	N	.	2	9	4	7	81-692	82
A	272	G4017xG7148			3R	22	3	41	76	1	N	.	3	7	6	9	81-693	
A	273	G4017x (A23xG4000) F1			3R	26	3	43	80	4	N	.	3	9	5	7	81-694	
A	274	G4017x (A23xG4000) F1	CARIOCA		3R	26	3	44	80	1	N	.	1	9	8	5	81-695	
A	275	G2910xA19			3R	28	3	40	74	8	N	.	2	9	8	9	81-696	
A	276	G2910xA19			3R	27	3	42	80	4	N	.	2	9	8	9	81-697	
A	277	G2910xA19			3R	25	3	41	75	3	N	.	5	9	8	9	81-698	
A	278	G2910xA27			3R	28	2	40	73	4	N	.	3	9	6	7	81-699	
A	279	G2910xG3807	CARIOCA		3R	23	1	42	74	3	N	.	1	9	7	5	81-700	83
A	280	G2910xG3807			3R	24	1	41	71	3	N	.	2	9	7	7	81-701	

Line	Cross	Cult. type	Seed			Days to										VEF Yr Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust			
A	281	G4017xG4830	3R	23	3	42	79	1	N	.	5	9	8	5	81-702		
A	282	G4017xG4830	3R	22	3	42	79	1	N	.	4	9	4	7	81-703	81	
A	283	G4017xG4830	3R	19	2	43	76	1	N	.	4	9	7	7	81-704		
A	284	G4017xG4830	3R	21	2	43	77	1	N	.	3	9	6	7	81-705		
A	285	G4017xG4830	3R	23	3	44	79	1	N	.	5	9	4	7	81-706		
A	286	G4017xG4830	3R	23	3	42	81	1	N	.	7	7	4	5	81-707	81	
A	287	G4017xG4830	3R	22	2	43	79	1	N	.	7	8	3	5	81-708		
A	288	G4017xG4830	3R	21	2	44	80	4	N	.	7	9	3	7	81-709		
A	289	A5xG2618	3	21	3	41	75	1	N	.	1	7	8	5	81-710		
A	290	A5xG2618	3	22	3	37	75	3	N	.	7	8	4	3	81-711		
A	291	A5xG2618	3	23	3	37	75	8	N	.	5	8	8	3	81-712		
A	292	A5xG2618	3	23	3	38	75	6	N	.	7	8	3	3	81-713	83	
A	293	A23xG7148	3	23	2	45	77	4	N	.	2	9	8	7	81-714	81	
A	294	A30xG13497	3	22	2	41	78	6	N	.	3	8	5	3	81-715		
A	295	A30xG13497	3	23	2	42	78	7	N	.	1	9	3	3	81-716	86	
A	296	A30xG13497	3	22	2	41	77	5	N	.	1	9	3	3	81-717		
A	297	A30xG13497	3	21	2	41	77	5	N	.	5	7	4	9	81-718	83	
A	298	A30xG13497	3	22	2	41	78	.	N	.	7	8	3	7	81-719		
A	299	A30xG13497	3	22	2	42	78	8	N	.	8	7	2	9	81-720		
A	300	BAT332xG5201	3	19	2	42	78	2	N	.	7	7	5	3	81-721	81	
A	301	BAT332xG5201	3	16	2	42	80	4	N	.	5	9	2	3	81-722	83	
A	302	BAT332xG4821	3	16	2	42	78	5	N	.	8	9	4	5	81-723		
A	303	BAT332xG4821	3	17	2	40	77	4	N	.	8	9	8	5	81-724	81	
A	304	BAT561x(G879xG2337)	3	29	3	41	79	8	N	.	4	9	8	9	81-725	81	
A	305	BAT561x(G879xG2337)	3	26	3	41	77	8	N	.	1	9	8	9	81-726	83	
A	306	BAT561x(G879xG2337)	3	28	3	41	79	8	N	.	5	9	6	9	81-727		
A	307	BAT561x(G879xG2337)	3	25	3	41	78	6	N	.	5	8	8	9	81-728		
A	308	BAT561x(G879xG2337)	3	26	3	41	85	8	N	.	5	8	8	3	81-729		
A	309	BAT561x(G879xG2337)	3	21	3	41	76	8	N	.	5	8	7	7	81-730		
A	310	BAT561x(G879xG2337)	3	27	3	41	84	8	N	.	5	8	8	5	81-731		
A	311	BAT561x(G879xG2337)	3	22	3	40	76	4	N	.	7	7	5	7	81-732		
A	312	BAT561x(G879xG2337)	3	24	3	41	78	8	N	.	2	7	8	7	81-733		
A	313	BAT561x(G1805xG4453)	3	27	3	41	78	8	N	.	5	8	8	5	81-734		
A	314	BAT561x(G1805xG4453)	3	27	3	42	78	8	N	.	3	7	6	3	81-735		
A	315	BAT561x(G1805xG4453)	3	30	3	41	78	8	N	.	5	8	4	5	81-736	83	
A	316	BAT561x(G1805xG4453)	3	27	3	41	79	8	N	.	2	8	4	3	81-737		
A	317	BAT561x(G1805xG4453)	3	24	3	40	76	1	N	.	2	9	7	5	81-738		
A	318	BAT561x(G7474xG2618)	3	27	3	39	76	8	N	.	3	7	8	7	81-739		
A	319	BAT561x(G7474xG2618)	3	27	3	37	75	8	N	.	2	8	7	7	81-740		
A	320	BAT561x(G7474xG2618)	3	26	3	40	75	6	N	.	2	9	7	7	81-741		
A	321	BAT561x(G7474xG2618)	3	35	3	40	78	8	N	.	2	7	7	5	81-742	83	
A	322	BAT561x(G7474xG2618)	3	30	3	37	75	8	N	.	1	8	5	7	81-743		
A	323	BAT561x(G7474xG2618)	3	26	3	40	76	8	N	.	1	9	7	7	81-744		
A	324	BAT561x(G7474xG2618)	3	24	3	40	77	4	N	.	4	9	5	7	81-745		
A	325	BAT561x(G7474xG2618)	3	29	3	40	77	4	N	.	7	8	4	7	81-746		
A	326	BAT561x(G7474xG2618)	3	25	3	41	75	.	N	.	5	9	7	9	81-747		
A	327	BAT561x(G7474xG2618)	3	26	3	40	73	8	N	.	4	9	8	9	81-748	81	
A	328	BAT561x(G7474xG2618)	3	26	3	37	73	8	N	.	3	9	7	9	81-749	81	
A	329	BAT561x(G7474xG2618)	3	32	3	38	76	8	N	.	2	9	8	7	81-750		
A	330	BAT561x(G7474xG2618)	3	25	3	41	78	8	N	.	7	9	5	9	81-751		
A	331	BAT561x(G7474xG2618)	3	25	3	41	81	8	N	.	2	9	7	9	81-752		
A	332	BAT561x(G7474xG2618)	3	24	3	41	78	8	N	.	5	9	4	9	81-753		
A	333	G4017xG2618	3	25	3	40	80	8	N	.	5	9	3	9	81-754	81	
A	334	G3807xG4017	3	23	3	44	80	1	N	.	3	9	8	9	81-755	81	
A	335	G5019xBAT76	3	29	3	40	77	1	N	.	6	7	5	9	81-756		
A	336	G5019xG4000	3	25	3	40	79	1	N	.	2	9	8	7	81-757	82	

Line	Cross	Cult. type	Seed			Days to					VEF				IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
A	337	G2910xG3807	3	21	3	40	79	3	N	.	2	7	5	3	81-758	
A	338	G2910xG3807	3	22	3	40	78	3	N	.	3	8	5	3	81-759	
A	339	G2910xG3807	3	21	2	41	78	3	N	.	2	9	5	3	81-760	83
A	340	G2910xG3807	3	21	2	40	78	4	N	.	2	9	4	3	81-761	
A	341	G2910xG3807	3	28	3	42	78	4	N	.	2	9	8	9	81-762	81
A	342	G2910xG3807	3	25	3	42	76	3	N	.	3	9	7	9	81-763	81
A	343	G3807xG4017	3	24	3	42	78	1	N	.	1	9	5	9	81-764	81
A	344	G3807xG2618	3	23	2	41	80	1	N	.	2	9	8	5	81-765	81
A	345	(INT248xA30) F4x (INT249xG8072) F5	3	21	2	42	78	1	N	.	4	9	3	9	81-766	81
A	346	INT251xBAT332	3	21	2	43	78	4	N	.	6	9	5	3	81-767	
A	347	G11893xA5	3	24	3	42	80	1	N	.	5	9	5	5	81-768	81
A	348	G11893xA5	3	24	3	45	82	6	N	.	1	9	3	5	81-769	81
A	349	G11893xA5	3	23	3	42	82	1	N	.	5	9	8	5	81-770	
A	350	G11893xA5	3	25	3	42	78	1	N	.	4	9	7	5	81-771	81
A	351	G11983xA30	3	21	2	43	82	1	N	.	7	9	3	9	81-772	81
A	352	G11983xA30	3	22	2	43	82	1	N	.	7	9	5	9	81-773	
A	353	G11983xA30	3	18	2	45	82	1	N	.	7	8	3	7	81-774	
A	354	G11983xA30	3	19	2	43	82	1	N	.	5	9	3	7	81-775	83
A	355	INT248xG7460	3	16	1	42	76	2	N	.	8	9	1	7	81-776	
A	356	INT248xG7460	3	21	1	40	74	.	N	.	8	9	1	9	81-777	
A	357	G11983xA30	3	19	2	45	82	1	N	.	7	7	3	7	81-778	81
A	358	G11893xBAT93	3	22	2	42	76	1	N	.	4	6	4	5	81-779	81
A	359	G11893xBAT93	3	21	2	42	78	1	N	.	2	7	5	5	81-780	81
A	360	G3807xG4830	3	23	1	41	76	2	N	.	2	9	7	9	81-781	
A	361	V79039x(A28xINT248)	3	21	1	40	73	4	N	.	4	9	8	9	81-782	
A	362	(INT249xG8072) F5x (INT248xA30) F4	3	31	2	43	78	1	N	.	7	9	5	7	81-783	81
A	363	A5xG2618	4	27	3	38	76	4	N	.	3	9	5	5	81-784	
A	364	A5xG2618	4	24	3	38	76	4	N	.	2	8	4	3	81-785	83
A	365	A5xG2618	4	24	3	41	76	4	N	.	6	9	4	3	81-786	
A	366	A5xG2618	4	23	3	42	77	4	N	.	7	9	3	3	81-787	
A	367	A21xBAT527	4	22	3	42	76	4	N	.	7	9	5	7	81-788	
A	368	BAT561x(G1805xG4453)	4	25	3	42	79	8	N	.	2	8	8	9	81-789	
A	369	G4017xG2618	4	30	3	46	82	8	N	.	2	7	7	9	81-790	
A	370	G4017xG2618	4	29	3	46	87	.	N	.	3	8	5	9	81-791	
A	371	G4017xG2618	4	29	3	48	87	2	N	.	3	7	7	9	81-792	
A	372	G4017xG2618	4	30	3	44	82	2	N	.	2	7	8	9	81-793	
A	373	G4017xG2618	4	25	3	41	75	1	N	.	2	9	7	3	81-794	83
A	374	G4017xG2618	4	23	3	41	71	1	N	.	2	9	7	7	81-795	
A	375	G4017xG2618	4	39	3	41	79	8	N	.	2	7	7	5	81-796	
A	376	G1805xBAT527	4	30	3	41	76	1	N	.	7	7	3	5	81-797	
A	377	G4830xG2618	4	29	3	42	79	2	N	.	4	7	7	7	81-798	
A	378	G4830xG2618	4	23	3	43	79	1	N	.	5	8	7	7	81-799	
A	379	G4830xG2618	4	26	3	42	79	8	N	.	4	6	8	7	81-800	
A	380	G4830xG2618	4	23	3	41	76	2	N	.	7	5	5	7	81-801	
A	381	G4830xG2618	4	24	2	42	77	1	N	.	2	6	8	7	81-802	83
A	382	G4830xG2618	4	24	3	41	77	1	N	.	6	6	8	7	81-803	
A	383	G4822xBAT76	4	25	2	43	76	1	N	.	5	7	8	7	81-804	
A	384	G4822xBAT76	4	25	2	42	75	1	N	.	4	7	3	7	81-805	83
A	385	A5xG2618	4	24	3	40	76	3	N	.	2	7	8	3	81-806	
A	386	BAT448x(G1805xG4169)	2	27	3	39	76	1	N	.	6	7	3	3	81-807	
A	387	INT249xBAT93	3	23	2	43	78	1	N	.	4	7	4	7	81-808	
A	388	G4017xG2618	3	27	3	43	80	1	N	.	2	8	7	3	81-809	
A	389	A5xG2618	5	22	3	42	77	.	N	.	2	7	8	7	81-810	
A	390	BAT93xG122	4	25	2	38	77	.	N	.	2	9	7	3	81-811	
A	391	G4830xG2618	3	21	3	41	74	1	N	.	2	9	8	7	81-812	
A	392	BAT760x(A360xG2618)	8	25	2	42	78	.	N	.	5	7	5	7	81-813	

Line	Cross	Cult. type	Seed			Days to						VEF	IB				
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
A	393	G4822xG2618		3	32	3	41	82	.	N	.	2	8	8	7	81-814	
A	394	G4822xG2618		3	29	3	43	81	3	N	.	2	7	8	7	81-815	
A	395	INT249xBAT93	ROSINHA	3	23	2	43	77	1	N	.	2	9	4	3	81-816	83
A	396	(A35xINT248) F4x (G22147xA30) F4		3	36	1	41	75	3	N	.	2	9	8	5	81-817	
A	397	INT248xG6060		3	36	1	37	73	3	N	.	8	7	4	3	81-818	
A	398	INT248xG6060		3	34	1	38	74	3	N	.	5	8	4	3	81-819	
A	399	G6617xG2618		3	33	3	40	78	8	N	.	3	8	8	7	81-820	
A	400	G1771xG45		3J	26	3	40	77	8	N	.	7	8	2	7	81-596	
A	401	G1771xG45		3J	29	3	45	85	8	N	.	7	8	3	9	81-597	
A	402	G1771xG3807		3J	.	1	40	73	3	N	.	4	9	3	9	81-598	
A	403	G1771xINT248		3J	35	3	42	80	8	N	.	7	8	5	3	81-599	
A	404	G1771xINT248		3J	35	3	41	80	.	N	.	7	7	5	3	81-600	
A	405	G1771xINT267		3J	28	3	40	76	.	N	.	6	6	8	3	81-601	
A	406	G1771xG4017		3J	30	3	42	79	.	N	.	5	7	6	7	81-602	
A	407	G1771xG4017	GARBANCILLO	3J	27	3	44	85	1	N	.	3	7	5	3	81-603	
A	408	G1771xG4017		3J	29	3	42	78	.	N	.	3	7	7	7	81-604	
A	409	A30xG11041	FLOR DE MAYO	3J	25	3	42	79	8	N	.	5	5	6	9	81-605	83
A	410	G4017xG2618	CHUMBINHO	4	35	3	40	75	5	N	.	3	4	6	7	81-606	83
A	411	BAT561x(G879xG2337)	BAYO MEXICANO	3	32	3	42	81	8	N	.	2	7	7	9	81-607	83
A	412	AT93x(G2402xG879)	PINTO	3M	29	3	36	71	.	N	.	4	5	7	9	81-608	
A	413	BAT93x(G2402xG879)		3M	33	3	36	68	.	N	.	7	7	4	9	81-609	
A	414	BAT93x(G3393xG2402)	PINTO	3M	30	3	38	74	8	N	.	2	7	8	9	81-610	
A	415	BAT93x(G7164xG2402)		3M	31	3	38	74	.	N	.	2	7	7	9	81-611	
A	416	BAT93x(G7164xG2402)	PINTO	3M	32	3	38	75	8	N	.	2	7	7	9	81-612	
A	417	G2402xA5	PINTO	3M	27	3	42	74	8	N	.	4	7	6	5	81-613	83
A	418	G2402xA5		3M	29	3	42	77	.	N	.	2	7	7	9	81-614	
A	419	G2402xA5		3M	29	2	42	80	.	N	.	2	8	8	7	81-615	
A	420	G2402xA5	PINTO	3M	27	3	41	73	.	N	.	3	9	5	5	81-616	
A	421	G2402xA5		3M	30	3	38	75	.	N	.	2	8	7	9	81-617	
A	422	G2402xA5		3M	31	3	39	76	.	N	.	3	8	7	7	81-618	
A	423	G2402xA5		3M	29	3	39	76	.	N	.	2	9	8	9	81-619	
A	424	G2402xA5		3M	29	3	42	76	.	N	.	2	9	7	9	81-620	
A	425	G2402xA5		3M	29	3	40	76	.	N	.	2	9	7	9	81-621	
A	426	G2402xA5		3M	28	3	38	74	.	N	.	7	7	6	9	81-622	
A	427	G2402xA5		3M	28	3	41	77	.	N	.	3	8	7	9	81-623	
A	428	G2402xA5		3M	28	3	40	77	.	N	.	2	9	3	7	81-624	
A	429	G2402xA23	PINTO	3M	26	2B	42	76	8	N	.	2	9	7	7	81-625	83
A	430	G2402xA23		3M	26	2B	43	77	8	N	.	2	9	8	9	81-626	
A	431	G2402xA23		3M	26	2	43	76	.	N	.	7	9	8	7	81-627	
A	432	G2402xA23		3M	26	2B	43	76	.	N	.	7	9	8	7	81-628	
A	433	G2402xA23		3M	26	2	43	76	8	N	.	7	9	8	7	81-629	
A	434	G2402xA23		3M	25	2	43	76	.	N	.	6	9	8	7	81-630	
A	435	G2858xBAT93		3M	28	3	36	76	.	N	.	2	7	7	9	81-631	
A	436	G2858xBAT93	PINTO	3M	28	2	36	72	4	N	.	2	7	7	9	81-632	83
A	437	G2910xA19		3R	33	3	40	71	.	N	.	7	9	7	9	81-633	
A	438	G2910xA27		3M	35	2	40	71	.	N	.	7	9	7	9	81-634	
A	439	G4017xG2618	OJO DE CABRA	3M	33	2	37	75	8	N	.	3	9	3	7	81-635	83
A	440	G4017xG2618		3M	31	2	40	75	.	N	.	3	9	5	9	81-636	
A	441	G4017xG2618		3M	30	3	37	69	.	N	.	3	9	7	7	81-637	
A	442	G4017xG2618	OJO DE CABRA	3M	30	3	41	77	1	N	.	2	7	5	7	81-638	83
A	443	G4017xG2618		3M	32	3	42	77	.	N	.	3	7	7	7	81-639	
A	444	G4017xG2618		3M	32	3	42	77	.	N	.	3	7	6	7	81-640	
A	445	G4017xG2618	OJO DE CABRA	3M	31	3	42	77	8	N	.	3	7	5	7	81-641	83
A	446	BAT93x(G2402xG879)		3M	33	3	40	73	.	N	.	7	7	1	7	81-642	
A	447	G2910xA19		3M	33	2	38	71	.	N	.	2	9	8	9	81-643	
A	448	G2910xA19		5R	33	2	38	71	.	N	.	2	9	6	9	81-644	

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Vr	VBF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV									Yr	Ent	YAN
A	449	G2910xA19	3R	31	3	37	70	.	N	.	8	9	1	9	81-645		
A	450	G2910xA19	3M	34	2	41	71	.	N	.	2	9	7	9	81-646		
A	451	G2910xA19	3M	32	3	40	71	.	N	.	7	9	8	9	81-647		
A	452	G2910xA19	3M	34	3	41	71	.	N	.	3	9	7	9	81-648		
A	453	G2910xA19	3M	33		40	71	.	N	.	7	9	7	9	81-649		
A	454	G2910xA27	3M	41	2B	40	71	.	N	.	3	9	8	9	81-650		
A	455	G2910xA27	3M	41	3	41	71	.	N	.	3	9	7	9	81-651		
A	456	G2910xA27	3R	39	2	42	76	.	N	.	7	9	5	5	81-652		
A	457	G2910xA27	3M	44	2B	42	75	4	N	.	5	9	3	7	81-653		
A	458	G2910xA27	3M	43	2B	41	75	.	N	.	7	9	3	5	81-654		
A	459	G2910xA27	3M	42	3	41	75	.	N	.	7	9	1	5	81-655		
A	460	G2910xA27	3M	39	2E	41	73	.	N	.	7	9	5	9	81-656		
A	461	G2910xA27	3M	43	2	42	76	.	N	.	8	9	5	5	81-657		
A	462	G2910xA27	3M	43	2	42	74	8	N	.	8	9	6	5	81-658		
A	463	A30xG6474	ESTRADA	5M	32	1	36	64	3	N	.	2	8	2	7	81-353	83
A	464	G4004xA27	ESTRADA	5M	29	1	38	68	4	N	.	2	9	1	7	81-354	
A	465	A30xG1853	CALIMA	7M	32	2	38	74	3	N	.	7	7	5	5	81-355	
A	466	G1853xINT248	MWEZI MOJA	7M	42	1	37	74	5	N	.	5	7	1	7	81-356	
A	467	G1853xINT248	MWEZI MOJA	7M	40	1	38	76	.	N	.	7	7	3		81-357	
A	468	G13922x((A23xINT248)x(S25071x...	CALIMA	7M	37	1	39	76	8	N	.	8	9	1	7	81-358	
A	469	INT248xG4453	MWEZI MOJA	7M	38	1	39	77	4	N	.	8	9	3	7	81-359	83
A	470	INT248xG4453	MWEZI MOJA	7M	35	1	42	78	8	N	.	7	9	2	7	81-360	
A	471	INT248xG4453	MWEZI MOJA	7M	36	1	42	77	8	N	.	7	9	1	7	81-361	84
A	472	INT248xG4453	MWEZI MOJA	7M	34	1	41	73	.	N	.	8	9	2	7	81-362	
A	473	INT248xG677	MWEZI MOJA	7M	30	1	43	77	.	N	.	7	9	3	7	81-363	
A	474	INT248xG677	MWEZI MOJA	7M	29	1	43	77	8	N	.	6	9	1	7	81-364	
A	475	INT248xG677	MWEZI MOJA	7M	31	1	43	77	8	N	.	3	9	4	5	81-365	
A	476	INT248xG677	MWEZI MOJA	7M	32	1	43	78	8	N	.	2	9	1	5	81-366	84
A	477	INT248xG677	POMPADOUR	7M	40	1	39	78	8	N	.	8	9	1	7	81-367	
A	478	G5132xBAT93	POMPADOUR	5M	29	2	36	68	.	N	.	3	7	5	5	81-368	
A	479	(G6474xA5)x(S25084xG2402)	URIBE	6M	29	2A	38	72	5	N	.	7	9	7	5	81-369	
A	480	(G6474xA5)x(S25084xG2402)	POMPADOUR	6M	33	2	38	74	6	N	.	7	9	8	5	81-370	83
A	481	(G6474xA5)x(S25084xG2402)	POMPADOUR	6M	32	3	36	71	7	N	.	5	7	5	5	81-371	
A	482	(G22147xA30)F1x(G21721xG6474)F1	RED MEXICAN	5	29	2, 1	38	74	4	N	.	1	7	3	7	81-372	
A	483	(G22147xA30)F1x(G21721xG6474)F1	RED MEXICAN	7M	34	3	39	74	5	N	.	2	9	6	5	81-373	
A	484	(G22147xA30)F1x(G21721xG6474)F1	RED MEXICAN	7M	26	1	39	71	7	N	.	2	7	3	3	81-374	
A	485	(G22147xA30)F1x(G21721xG6474)F1	MWEZI MOJA	7M	28	1	39	64	4	N	.	2	9	1	7	81-375	
A	486	G22147xG6533	ESTRADA	5M	35	1	36	64	4	N	.	7	9	1	5	81-376	
A	487	G22147xG6533	SANGRETORO	7	45	1	36	74	4	N	.	2	9	2	5	81-377	
A	488	G6617xG2618	POMPADOUR	6M	27	3	37	76	8	N	.	5	7	7	9	81-378	
A	489	G6617xG2618	ESTRADA	5M	32	3	37	76	6	N	.	5	8	6	9	81-379	
A	490	A43xG159	GREAT NORTHERN	1	39	3	37	76	1	N	.	2	8	2	7	81-511	83
A	491	A43xG159	GREAT NORTHERN	1	35	3	36	74	1	N	.	3	9	7	9	81-512	
A	492	G7929xA27	GREAT NORTHERN	1	34	1	37	74	3	N	.	3	8	4	9	81-513	
A	493	G7929xBAT93	GREAT NORTHERN	1	27		39	86	4	N	8	5	8	7	3	81-14	83
A	494	G7929xG45	GREAT NORTHERN	1	45	1	37	86	4	M	8	9	8	5	5	81-1	85
A	495	G7929xG45	GREAT NORTHERN	1	43	1	36	68	.	N	.	8	8	5	5	81-516	
A	496	G7929xG45	CABALLERO	1	40	1	37	68	5	N	.	8	9	4	7	81-517	
A	497	BAT1113xG1471	CABALLERO	1	36	1	38	70	2	N	.	7	8	3	7	81-518	
A	498	BAT1113xG1471	GREAT NORTHERN	1	35	1	40	76	1	N	.	4	8	3	7	81-519	
A	499	BAT1113xG1471	GREAT NORTHERN	1	.	1	.	.	.	N	.	6	2	3	7	81-520	
A	500	BAT1113xG1471	GREAT NORTHERN	1	.	1	.	.	.	N	.	3	8	6	7	81-521	
A	501	BAT1113xG1471	GREAT NORTHERN	1	33	1	40	70	3	N	.	7	8	4	7	81-522	83
A	502	G7929xBAT93	GREAT NORTHERN	1	23	2	41	75	4	N	.	3	8	5	3	81-462	
A	503	G7929xBAT93	GREAT NORTHERN	1	22	2	39	76	4	N	.	2	8	6	3	81-463	82
A	504	BAT1145xG7391	GREAT NORTHERN	1	24	1	39	74	.	N	.	8	9	2	3	81-464	

Line	Cross	Cult. type	Seed			Days to										Yr	VBF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust				
A	505	BAT1145xG7391	1	21	1	38	74	.	N	.	8	8	2	3	81-465			
A	506	BAT1145xG7391	1	22	1	37	74	.	N	.	8	9	1	3	81-466			
A	507	INT248xG7460	1	11	1	43	76	.	N	.	8	9	1	7	81-467			
A	508	INT248xG7460	1	11	1	43	76	.	N	.	8	9	2	7	81-468			
A	509	INT248xG7460	1	20	1	42	74	.	N	.	7	9	5	7	81-469			
A	510	INT248xG7460	1	23	1	41	76	.	N	.	7	9	5	7	81-470			
A	511	INT248xG7460	1	25	1	43	77	.	N	.	8	9	3	7	81-471			
A	512	(INT249xG8072) F5x(INT248xA30) F4	1	19	2	41	76	.	N	.	5	8	3	7	81-472			
A	513	G7460xA34	3M	12	2	42	76	.	N	.	3	8	4	9	81-858			
A	514	G7460xA34	3M	12	2	42	76	.	N	.	5	8	8	9	81-859			
A	515	G3807x(G2858xBAT1127) F1	2	32	2B	33	72	.	N	9	5	6	7	7	86-782			
A	516	A114x(G22034xG12727) F1	2	25	3	43	76	8	M	9	2	6	7	6	86-624			
A	517	A140x(G3038xG1274) F1	2	21	2B	42	73	.	M	9	3	7	7	7	86-813			
A	518	A140x(G3038xG1274) F1	2	25	2B	43	75	.	M	9	2	5	5	7	86-816			
A	519	A175x(G2333xA62) F1	3	23	2B	38	74	1	N	9	2	6	6	6	86-819			
A	520	A175x(G2333xA62) F1	3	18	2B	.	78	8	N	9	2	7	6	4	86-820			
A	521	G5059x(G3393xA175) F1	2	18	3	44	74	8	N	9	2	6	6	5	86-912			
A	522	G5059x(G3393xA175) F1	2	20	3	45	75	4	N	9	7	6	6	6	86-919			
A	523	A51xG11890	2	19	2A	39	67	.	N	9	6	8	7	6	86-798			
A	524	A154xG1502	2J	30	2A	35	65	3	N	9	6	7	6	5	86-629			
A	525	A56x(A156xA132) F1	2	18	2A	41	72	3	N	9	6	6	7	5	86-802			
A	526	A56x(A156xA132) F1	2	19	2B	40	71	.	N	9	2	7	6	4	86-803			
A	527	A140xBAT332	2	19	2A	37	69	.	N	9	4	8	6	6	86-807			
A	528	G1764xA162	2	27	3	44	76	1	N	9	3	7	5	5	86-674			
A	529	A56x(A154xG568) F1	2	20	2A	39	73	.	N	9	5	8	7	5	86-800			
A	530	G13646x(A156xA136) F1	2	25	3	40	75	.	N-M	9	3	5	7	7	86-692			
A	531	A97x(G14915x(A69xINT221) F1) F1	2	27	2B	41	71	1	N	9	8	7	6	7	86-623			
A	532	G7602x(A54x(A54xG1759) F1) F1	2	25	2B	36	70	.	N	9	.	7	6	7	86-676			
A	533	G7602x(A54x(A54xG1759) F1) F1	2	32	2B	33	66	.	N	9	2	7	6	7	86-678			
A	534	G7602x(A54x(A54xG1759) F1) F1	2	33	2B	36	69	.	N	9	2	7	6	6	86-679			
A	535	G7602x(A54x(A54xG1759) F1) F1	2	29	2B	35	71	.	N	9	1	7	6	4	86-680			
A	536	G9759x(A175x(APN18xG1759) F1) F1	3	19	2B	37	72	.	N	9	1	7	7	7	86-920			
A	537	G13612x(G14915x(A140xBAT332) F1) F1	2	29	3	33	70	8	N	9	6	8	5	7	86-687			
A	538	G13612x(G14915x(A140xBAT332) F1) F1	2	31	3	34	71	.	N	9	5	7	6	4	86-688			
A	539	G13612x(G14915x(A140xBAT332) F1) F1	2	35	3	33	70	.	N	9	5	7	6	7	86-689			
A	540	G13612x(G14915x(A140xBAT332) F1) F1	2	35	2B	35	66	.	N	9	3	7	6	4	86-690			
A	541	G18445xA411	2	39	3	35	71	.	N	9	4	7	7	5	86-669			
A	542	G18445xA411	2	31	3	41	74	.	N	9	1	7	6	7	86-670			
A	543	A70x(G11402xA327) F1	2J	30	3	38	69	8	N	9	2	8	6	7	86-615			
A	544	A70x(G11402xA327) F1	2J	35	3	38	72	8	N	9	2	8	6	7	86-616			
A	545	A70x(G11402xA327) F1	2J	34	3	40	71	.	N	9	5	7	6	4	86-617			
A	546	A70x(G11402xA327) F1	2J	29	3	40	74	.	N	9	1	7	6	7	86-618			
A	547	A70x(G11402xA327) F1	2J	31	3	39	70	8	N	9	4	8	6	7	86-619			
A	548	A70x(G11402xA327) F1	2	31	3	41	73	1	N	9	2	7	6	6	86-620			
A	549	A70x(G11402xA327) F1	2	30	3	38	70	J	N	9	3	7	6	4	86-621			
A	550	A149x(G22004xA319) F1	2	32	3	42	77	.	N	9	2	5	6	7	86-628			
A	551	A176x(G43226xXAN40) F1	3	17	2B	38	71	.	N	9	5	7	6	4	86-823			
A	552	A360x(A140xG4847) F1	2	17	2B	39	71	.	N	9	1	7	4	7	86-857			
A	553	A395x(G17702xXAN87) F1	2	24	2B	39	73	2	N	8	6	6	6	7	86-651	88		
A	554	DOR41x(G21712xEMP110) F1	2	16	2A	39	70	.	N	9	5	7	6	7	86-899			
A	555	EMP110x(A83xXAN40) F1	2	18	2B	40	72	3	N	9	4	6	6	7	86-900	88		
A	556	EMP110x(A83xXAN40) F1	2	15	2B	42	73	.	N	8	3	7	5	6	86-902			
A	557	EMP110x(A83xXAN40) F1	2	15	2B	42	72	.	N	9	1	7	6	8	86-904			
A	558	EMP110x(A83xXAN40) F1	2	15	2A	41	74	.	N	9	2	7	6	5	86-905			
A	559	EMP110x(A83xXAN40) F1	2	17	2B	39	72	.	N	9	1	6	7	6	86-907			
A	560	G11010x(A161xA67) F3	2	33	3	35	70	.	N	9	2	7	6	4	86-681			

Line	Cross	Cult. type	Seed			Days to							Yr Ent	VEF	IB		
			col.	Wt	Hab	F1	Mt	Fot	BCMV	Emp	Ant	CBB				ALS	Rust
A	561	G12730x(XAN68xG1764)F1	BAYO ANDINO	2	35	2B	34	70	1	N	9	2	8	6	5	86-682	
A	562	G12730x(XAN68xG1764)F1	BAYO ANDINO	2	31	2B	36	71	.	N	9	3	7	5	7	86-684	
A	563	A411x(VCB81002xXAN40)F1	BAYO ANDINO	2	28	2B	40	72	5	N	9	8	7	6	4	86-653	80
A	564	A156xA445	BICO DE OURO	2	20	2B	43	73	8	N	9	3	7	7	5	86-630	
A	565	A156xA445	BICO DE OURO	2	28	2A	43	73	8	N	9	1	7	6	4	86-631	
A	566	A411x(G15820xXAN6)F1	BAYO ANDINO	2J	33	2B	40	71	8	N	9	5	8	7	5	86-777	
A	567	A411x(VCB81002xXAN40)F1	MULATINHO	2	20	3	39	73	7	N	9	6	7	7	6	86-867	
A	568	A411x(VCB81002xXAN40)F1	BAYO ANDINO	2	25	3	42	75	8	N	7	7	8	6	4	86-654	
A	569	G13922x(G18445xA411)F1	BICO DE OURO	2	22	2B	37	73	.	N	9	4	7	5	5	86-923	
A	570	G13922x(G18445xA411)F1	MULATINHO	2	22	2B	.	73	.	N	9	7	7	6	4	86-924	
A	571	G13922x(G18445xA411)F1	BICO DE OURO	2	22	2B	37	75	.	N	8	6	7	6	4	86-925	
A	572	A321x(G3982x(G10945xA161)F1)F1	BAYO ANDINO	2J	30	2B	36	70	1	N	9	6	6	6	5	86-638	
A	573	A321x(G3982x(G10945xA161)F1)F1	BAYO ANDINO	2J	25	2B	41	73	8	N	9	1	7	7	5	86-639	
A	574	A321x(G3982x(G10945xA161)F1)F1	BAYO ANDINO	2J	29	2B	42	72	8	N	9	4	7	6	4	86-640	
A	575	A321x(G3982x(G10945xA161)F1)F1	BAYO ANDINO	2	30	3	37	78	4	N	9	5	7	6	7	86-641	
A	576	A321x(G3982x(G10945xA161)F1)F1	BAYO ANDINO	2	28	2B	33	72	8	N	9	5	8	5	5	86-776	
A	577	A410x(G22004x(XAN76xG2378)F1)F1	MULATINHO	2	27	3	43	74	.	N	7	4	6	7	7	86-652	
A	578	A411x(G18446x(G1502xA240)F1)F1	BAYO ANDINO	2	35	1	36	69	.	N	7	2	7	6	4	86-778	
A	579	A445x(G18446x(G1502xA240)F1)F1	BAYO ANDINO	2	26	3	41	75	.	N	9	4	7	6	5	86-656	
A	580	BAT85x(G22006x(G3425xA290)F1)F1	BAYO ANDINO	2	29	2B	36	69	1	N	9	5	8	6	6	86-781	
A	581	(A249x(G18446x(G1502xA240)F1)F1)F1x(...	BAYO ANDINO	2J	26	2B	42	69	.	N	9	2	6	6	8	86-634	
A	582	(A249x(G18446x(G1502xA240)F1)F1)F1x(...	BAYO ANDINO	2J	31	2B	36	66	.	N	9	3	7	6	7	86-635	
A	583	(G18446x(A13x(G13713xA343)F1)F1)F1x(...	BAYO ANDINO	2J	29	2B	43	72	8	N	9	2	7	6	4	86-666	
A	584	(G18446x(A13x(G13713xA343)F1)F1)F1x(...	BAYO ANDINO	2J	28	2B	42	72	.	N	9	3	7	5	4	86-667	
A	585	(G18446x(A13x(G13713xA343)F1)F1)F1x(...	BAYO ANDINO	2J	26	2B	42	73	8	N	9	2	7	6	4	86-668	
A	586	(G802x(APN6xVCB81005)F1)F1x(G11269x(...	BAYO ANDINO	2	27	2B	37	68	.	N	9	4	6	7	8	86-673	
A	587	G22006x(XAN148xA445)F1	BAYO ANDINO	2	23	2A	34	67	.	N	9	5	8	5	7	86-665	
A	588	A140xA375	MULATINHO	2	27	3	36	77	8	M	9	3	8	7	6	86-625	
A	589	A339xG3645	BICO DE OURO	2	23	2B	40	70	4	N	8	1	7	8	7	86-643	
A	590	A373xBAT477	BAYO ANDINO	2	29	2B	41	69	.	N	8	7	6	6	7	86-646	
A	591	A373xBAT477	BAYO ANDINO	2	27	2B	33	66	.	N	7	6	7	7	6	86-648	
A	592	A433xA354	BICO DE OURO	2	17	2A	41	74	1	N	9	5	8	5	6	86-868	
A	593	A462xXAN105	BAYO ANDINO	2	29	3	41	73	.	N	9	4	7	5	7	86-657	
A	594	EMP86x(G802xA454)F1	BAYO ANDINO	2J	32	3	36	72	.	N	9	1	7	7	7	86-671	
A	595	G2793x(A411xA240)F1	BAYO ANDINO	2	29	3	43	77	8	N	7	5	8	6	6	86-672	
A	596	A57xA359	BICO DE OURO	2	19	1	38	66	.	N	9	4	7	5	6	86-804	
A	597	A59xBAT477	MULATINHO	2J	25	2A	33	67	.	M	9	7	5	6	7	86-614	
A	598	A140xXAN40	MULATINHO	2	19	2B	37	67	.	N	9	4	7	6	4	86-817	
A	599	A140xXAN40	MULATINHO	2	18	2B	37	71	.	N	9	2	7	5	6	86-818	
A	600	A176xG15416	BICO DE OURO	2	23	2B	41	70	.	N	9	1	7	6	4	86-822	
A	601	A282xBAT1458	ROSIHA	5	20	2B	41	71	.	N	9	3	7	7	6	86-826	
A	602	A310xA213	BAYO ANDINO	2	24	3	41	74	.	N	9	2	7	6	7	86-636	
A	603	A310xA213	MULATINHO	2	24	3	43	75	8	N	9	6	8	6	6	86-637	
A	604	A310xA213	BICO DE OURO	2	22	3	44	78	8	N	9	6	7	6	7	86-828	
A	605	A310xBAT85	BICO DE OURO	2	27	3	44	78	8	N	9	6	7	6	7	86-829	
A	606	A348xG5773	MULATINHO	2	21	2B	43	72	.	N	9	8	6	6	6	86-849	
A	607	A373xA387	MULATINHO	2	23	2B	41	70	1	N	9	4	8	6	6	86-645	
A	608	A395xA367	CHUMBINHO	4	20	2A	38	73	.	N	9	4	7	5	4	86-860	
A	609	A395xBAT85	MULATINHO	2	19	2B	39	70	1	N	9	1	8	7	7	86-861	
A	610	A395xBAT85	MULATINHO	2	20	2B	42	72	.	N	9	6	7	5	6	86-866	
A	611	A395xBAT85	MULATINHO	2	21	2B	42	72	.	N	9	1	7	5	4	86-650	
A	612	A433xBAT1670	BICO DE OURO	2	19	2A	38	69	.	N	9	5	6	7	7	86-872	
A	613	G17704xA156	MULATINHO	2	22	2B	41	74	3	N	8	1	6	6	6	86-779	88
A	614	BAT304xBAT477	MULATINHO	2	22	2A	34	67	.	N	9	5	7	6	7	86-876	
A	615	BAT304xBAT477	MULATINHO	2	23	2A	32	65	.	N	9	7	7	6	7	86-877	
A	616	BAT841xA354	MULATINHO	2	19	3	34	75	5	N	9	6	8	6	7	86-886	

Line	Cross	Cult. type	Seed			Days to											IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	
A	617	BAT841xA354	MULATINHO	2	18	2B	36	69	.	N	9	7	7	6	5	86-959	
A	618	BAT841xBAT1670	CHUMBINHO	4	23	3	40	78	.	NN	9	3	7	7	7	86-662	
A	619	BAT1510xA354	BICO DE OURO	2	19	2B	41	71	4	N	9	4	7	5	5	86-887	
A	620	BAT1510xA354	BICO DE OURO	2	18	2A	42	71	.	N	9	4	7	6	6	86-889	
A	621	BAT1510xA354	BICO DE OURO	2	18	2B	38	68	.	N	9	2	6	6	7	86-890	
A	622	BAT1658xA293	BICO DE OURO	2	19	2B	41	72	.	N	9	2	7	7	6	86-896	
A	623	A69xG1759	OJO DE CABRA	2R	28	2B	31	66	8	N	9	6	6	6	4	86-698	
A	624	A113xG1805	CARIOCA	2R	25	3	44	79	4	N	9	6	7	6	4	86-938	
A	625	A113xG1805	CARIOCA	2R	22	3	37	74	4	N	9	6	8	5	7	86-939	
A	626	A113xG1805	CARIOCA	2R	23	3	45	78	8	N	8	3	7	4	5	86-711	
A	627	A62x(A77xG13224) F1	CARIOCA	2R	28	3	42	75	.	N	9	2	7	6	4	86-928	
A	628	A62x(A77xG13224) F1	OJO DE CABRA	2R	31	2B	38	70	.	N	9	1	7	5	5	86-696	
A	629	A69x(G22163xG2402) F1	OJO DE CABRA	2R	46	2B	32	66	.	N	9	1	7	7	5	86-699	
A	630	A69x(G22163xG2402) F1	OJO DE CABRA	2R	34	2B	32	67	.	N	9	1	7	7	5	86-700	
A	631	A69x(G22163xG2402) F1	OJO DE CABRA	2R	32	2B	32	67	.	N	9	3	7	7	4	86-701	
A	632	A62x(G14915xA177) F1	CARIOCA	2R	25	1	32	62	1	N	9	6	7	5	5	86-697	
A	633	A83xG5773	CARIOCA	2R	22	2A	37	68	.	M-N	9	5	7	6	7	86-935	
A	634	G2839xA441	CARIOCA	2R	28	3	33	71	.	N	9	5	7	4	4	86-956	
A	635	G2839xA441	OJO DE CABRA	2R	30	3	43	.	.	N	9	4	7	5	3	86-763	
A	636	A70x(G11402xA327) F1	OJO DE CABRA	2R	32	3	38	71	5	N	9	4	7	6	4	86-702	
A	637	A70x(G11402xA327) F1	OJO DE CABRA	2R	27	3	38	73	8	N	9	6	7	6	7	86-703	
A	638	A70x(G11402xA327) F1	OJO DE CABRA	2R	32	3	78	71	.	N	9	2	7	6	7	86-704	
A	639	A70x(G11402xA327) F1	OJO DE CABRA	2R	28	3	39	74	7	N	9	3	6	7	7	86-705	
A	640	A70x(G11402xA327) F1	CARIOCA	2R	22	2B	34	63	.	N	9	1	7	5	7	86-706	
A	641	A441x(G845xA349) F1	OJO DE CABRA	2R	30	2B	33	69	1	N	9	1	7	6	7	86-722	
A	642	DOR41x(G2929xA395) F1	CARIOCA	2R	19	2B	44	72	.	N	9	2	6	5	7	86-957	
A	643	EMP110x(A83xXAN40) F1	CARIOCA	2R	15	2B	40	72	4	N	9	2	7	6	7	86-950	
A	644	EMP110x(A83xXAN40) F1	CARIOCA	2R	16	2B	43	75	.	N	9	2	6	5	7	86-951	
A	645	EMP110x(A83xXAN40) F1	CARIOCA	2R	16	2A	42	70	.	N	9	2	7	6	6	86-953	
A	646	EMP110x(A83xXAN40) F1	CARIOCA	2R	17	2B	42	72	.	N	9	3	7	4	7	86-954	
A	647	EMP110x(A83xXAN40) F1	CARIOCA	2R	17	2B	42	72	.	N	9	1	7	4	7	86-955	
A	648	A439xG22023	OJO DE CABRA	2R	35	2B	42	73	8	N	8	5	5	5	4	86-720	
A	649	A83x(A359xG3410) F1	CARIOCA	2R	23	2B	37	73	1	N	9	6	8	5	8	86-708	
A	650	A445x(A411xG11269) F1	OJO DE CABRA	2R	26	3	43	77	8	N	8	6	7	7	7	86-734	
A	651	A445x(G398x(G22067xEMP86) F1) F1	OJO DE CABRA	2R	27	3	37	71	1	N	9	6	7	6	4	86-736	
A	652	A439xXAN112	OJO DE CABRA	2R	29	2B	33	71	4	N	9	6	5	7	6	86-721	
A	653	A441x(G15821xA266) F1	OJO DE CABRA	2R	35	2B	33	71	.	N	9	1	7	6	4	86-723	
A	654	A445x(A411x(G3645xG18446) F1) F1	OJO DE CABRA	2R	29	2B	41	74	.	N	9	2	5	6	7	86-735	
A	655	A445xA246	CARIOCA	2R	25	2B	41	71	4	N	7	6	6	5	6	86-724	
A	656	A445xA246	OJO DE CABRA	2R	29	3	42	72	.	N	9	6	7	5	7	86-726	
A	657	A445xA246	OJO DE CABRA	2R	27	2B	40	71	.	N	7	6	7	4	5	86-728	
A	658	A445xA246	CARIOCA	2R	23	2B	42	72	1	N	9	7	7	5	6	86-729	
A	659	A445xA246	OJO DE CABRA	2R	28	2B	41	72	.	N	7	6	7	5	6	86-730	
A	660	A457xA246	OJO DE CABRA	2R	31	2B	37	67	1	N	8	5	7	6	6	86-758	
A	661	A462xA156	OJO DE CABRA	2R	27	2B	37	67	1	N	9	2	7	6	4	86-759	
A	662	A252xA375	OJO DE CABRA	2R	30	2B	39	75	1	N	9	1	5	5	4	86-714	
A	663	A252xA375	OJO DE CABRA	2R	30	2B	32	69	1	N	9	2	7	6	4	86-715	
A	664	A252xA375	OJO DE CABRA	2R	30	2B	39	71	1	N	9	2	6	6	4	86-716	
A	665	A252xA375		2R	29	3	42	75	3	N	7	2	7	5	3	86-717	
A	666	A252xA375	OJO DE CABRA	2R	29	3	43	76	2	N	9	3	6	5	4	86-718	
A	667	A282xA387	CARIOCA	2R	25	2A	38	69	.	N	9	6	8	6	6	86-942	
A	668	A282xBAT477	CARIOCA	2R	23	2B	37	69	.	N	9	6	7	7	7	86-945	
A	669	A287xA156	CARIOCA	2R	18	2B	40	69	.	N	9	6	8	7	6	86-946	
A	670	A287xA156	CARIOCA	2R	18	2A	40	68	.	N	9	2	7	7	6	86-947	
A	671	A445xBAT1407	OJO DE CABRA	2R	28	2B	40	73	8	N	9	3	6	5	7	86-732	
A	672	A445xG4017	OJO DE CABRA	2R	29	3	39	73	4	N	8	5	5	6	4	86-737	

Line	Cross	Cult. type	Seed			Days to						VEF	IB				
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant			CBB	ALS	Rust	Yr	Ent	YAN
A	673	A445xG4017	OJO DE CABRA	2R	30	3	41	73	8	N	8	4	6	6	6	86-738	
A	674	A445xG4017	OJO DE CABRA	2R	29	2B	43	71	8	N	9	4	6	6	5	86-739	
A	675	A445xG4017	OJO DE CABRA	2R	29	3	42	74	8	N	9	4	6	6	5	86-740	
A	676	A445xG4017	OJO DE CABRA	2R	28	3	43	75	8	N	7	4	6	6	5	86-741	
A	677	A445xG4017	OJO DE CABRA	2R	28	3	37	71	1	N	9	4	6	6	6	86-742	
A	678	A445xG4017	OJO DE CABRA	2R	27	3	42	72	8	N	9	4	6	6	6	86-743	
A	679	A445xG4017	OJO DE CABRA	2R	27	3	43	75	1	N	9	3	6	6	6	86-744	
A	680	A445xG4017	OJO DE CABRA	2R	29	3	41	74	2	N	8	6	5	6	5	86-745	
A	681	A445xG4017	OJO DE CABRA	2R	29	3	38	69	1	N	8	4	7	6	6	86-746	
A	682	A445xG4017	OJO DE CABRA	2R	26	2B	38	68	8	N	8	6	7	6	5	86-747	
A	683	A445xG4017	OJO DE CABRA	2R	27	3	41	74	1	N	8	5	5	6	4	86-748	
A	684	A445xG4017	OJO DE CABRA	2R	30	3	42	73	8	N	8	5	6	6	5	86-749	
A	685	A445xG4017	OJO DE CABRA	2R	30	3	42	75	1	N	8	5	6	6	6	86-750	
A	686	A445xEMP117	OJO DE CABRA	2R	26	2A	43	72	8	N	7	7	6	4	5	86-751	88
A	687	A445xEMP117	OJO DE CABRA	2R	26	2A	42	71	6	N	7	7	6	5	4	86-752	
A	688	A445xEMP117	OJO DE CABRA	2R	26	2B	43	74	7	N	8	4	7	7	4	86-753	
A	689	A445xEMP117	OJO DE CABRA	2R	27	2B	42	75	8	N	8	1	6	6	5	86-754	88
A	690	A445xEMP117	OJO DE CABRA	2R	27	2B	41	72	8	N	9	5	7	5	5	86-755	
A	691	A445xEMP117	CARIOCA	2R	25	2B	42	71	8	N	8	2	7	6	4	86-783	
A	692	A445xEMP117	OJO DE CABRA	2R	27	2B	42	75	.	N	8	1	7	6	4	86-757	
A	693	A471xA246	CARIOCA	2R	20	1	37	71	.	N	8	6	7	6	5	86-760	
A	694	A471xA246	CARIOCA	2R	19	1	37	74	.	N	9	6	7	6	5	86-948	
A	695	G11487xR1Z11	OJO DE CABRA	2R	26	2B	35	69	.	N-M	8	1	7	4	7	86-762	
A	696	A106xA63	CARIOCA	2R	22	2A	38	69	.	N	9	2	7	7	7	86-937	
A	697	A83x(APN18x(A156xA132)F1)F1								N	.	.	.	.	.
A	698	A176xG3353	NEGRO SEMIBRILLA	8	20	2B	36	69	.	N	9	4	8	6	8	86-36	
A	699	A176xG3353	NEGRO SEMIBRILLA	8	20	2B	37	69	.	N	9	2	8	7	8	86-37	
A	700	A176xG3353	NEGRO SEMIBRILLA	8	21	2B	37	70	.	N	9	2	8	7	7	86-38	
A	701	A176xG3353	NEGRO SEMIBRILLA	8	21	2A	38	70	.	N	8	3	8	7	7	86-39	
A	702	A176xG3353	NEGRO SEMIBRILLA	8	19	2B	40	70	.	N	8	2	8	8	8	86-40	
A	703	BAT527xA176	NEGRO OPACO	8	24	2A	40	72	1	N	9	2	7	7	5	86-41	
A	704	BAT527xA176	NEGRO SEMIBRILLA	8	23	2B	39	71	.	N	9	7	7	7	7	86-42	
A	705	A175xXAN41	NEGRO SEMIBRILLA	8	21	2B	35	67	3	N	9	2	7	6	4	86-43	
A	706	A57xRIZ11	NEGRO OPACO	8	19	2	41	71	.	N	9	5	7	6	5	86-1	
A	707	A310xA213	NEGRO SEMIBRILLA	8	27	2	40	71	.	N	9	6	7	5	8	86-2	
A	708	A310xG5773	NEGRO SEMIBRILLA	8	20	2	40	70	.	N	7	4	7	5	5	86-3	
A	709	A348xG5773	NEGRO SEMIBRILLA	8	19	2	41	71	.	N	6	6	6	6	6	86-4	89
A	710	A348xG5773	NEGRO SEMIBRILLA	8	18	2	40	69	.	N	9	3	7	6	4	86-5	
A	711	A348xG5773	NEGRO OPACO	8	24	2	39	70	.	N	9	6	7	6	7	86-6	
A	712	A348xG5773	NEGRO SEMIBRILLA	8	22	2	40	71	.	N	8	4	7	6	7	86-7	
A	713	A348xG5773	NEGRO SEMIBRILLA	8	21	2	43	72	3	N	8	5	7	7	8	86-8	
A	714	A395xG5773	NEGRO SEMIBRILLA	8	22	2	40	72	.	N	8	2	7	6	5	86-9	
A	715	XAN87xBAT85	NEGRO OPACO	8	23	2	41	71	.	N	7	7	7	6	7	86-10	
A	716	XAN87xBAT85	NEGRO SEMIBRILLA	8	20		40	75	1	N	9	7	6	7	7	86-11	
A	717	XAN87xG5773	NEGRO OPACO	8	18		39	75	J	N	7	8	7	6	7	86-12	
A	718	XAN87xG5773	NEGRO OPACO	8	23	2B	38	70	1	N	9	8	6	8	6	86-13	88
A	719	XAN87xG5773	NEGRO OPACO	8	22	2B	39	72	.	N	9	8	7	6	5	86-14	
A	720	BAT58xG17706	NEGRO SEMIBRILLA	8	20	2A	40	71	.	N	9	3	7	6	7	86-15	
A	721	BAT58xBAT477	NEGRO SEMIBRILLA	8	23	2A	31	65	1	N	9	8	7	7	8	86-16	
A	722	BAT58xBAT477	NEGRO SEMIBRILLA	8	24	2B	32	65	1	N	9	8	8	7	8	86-17	
A	723	BAT58xBAT477	NEGRO SEMIBRILLA	8	18	2A	39	71	.	N	9	7	6	6	8	86-18	
A	724	BAT304xBAT477	NEGRO OPACO	8	20	2B	33	67	.	N	8	7	7	7	8	86-19	
A	725	BAT304xBAT477	NEGRO SEMIBRILLA	8	22	2B	36	68	.	N	9	8	7	6	9	86-20	
A	726	EMP84xA375	NEGRO SEMIBRILLA	8	22	3	42	74	.	N	9	8	7	6	4	86-21	
A	727	EMP84xBAT1301	NEGRO OPACO	8	21	2B	40	72	.	N	8	2	8	6	7	86-22	
A	728	EMP84xBAT1301	NEGRO OPACO	8	23	2B	39	69	.	N	8	8	7	6	7	86-23	

Line	Cross	Cult. type	Seed			Days to										VEF Yr Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust				
A	729	EMP84xBAT1301	NEGRO	OPACO	8	19	2B	39	72	.	N	7	8	7	6	6	86-24	
A	730	EMP84xBAT1301	NEGRO	OPACO	8	20	2B	39	71	.	N	9	6	7	6	7	86-25	
A	731	EMP84xG4495	NEGRO	SEMIBRILLA	8	20	2A	39	71	.	N	9	7	7	7	7	86-26	
A	732	EMP84xG4495	NEGRO	SEMIBRILLA	8	22	2B	39	72	.	N	9	8	8	7	7	86-27	
A	733	EMP84xG4495	NEGRO	SEMIBRILLA	8	20	2B	38	72	.	N	9	6	8	7	6	86-28	
A	734	EMP84xG4495	NEGRO	SEMIBRILLA	8	20	2B	39	69	.	N	8	8	8	6	6	86-29	
A	735	EMP84xG4495	NEGRO	SEMIBRILLA	8	22	2B	39	75	.	N	9	3	7	7	7	86-30	
A	736	G17703xA132	NEGRO	SEMIBRILLA	8	20	2B	42	75	.	N	9	7	7	5	6	86-31	
A	737	G17703xDOR60	NEGRO	SEMIBRILLA	8	22	2B	40	72	.	N	9	3	8	7	7	86-32	
A	738	G17703xDOR60	NEGRO	SEMIBRILLA	8	20	2A	39	70	.	N	9	3	8	7	7	86-33	
A	739	G17703xDOR60	NEGRO	SEMIBRILLA	8	23	2A	38	68	.	N	7	3	8	6	8	86-34	
A	740	G17703xRIZ11	NEGRO	SEMIBRILLA	8	29	2B	33	67	.	N	9	2	8	8	8	86-35	
A	741	G4351xG22176				.	.	.	.	.	N	.	.	.	.	.
A	742	A175x(G2333xA62) F1	CHUMBINHO		4	21	2B	45	77	1	N	9	5	8	5	4	86-632	
A	743	A175x(G2333xA62) F1	CHUMBINHO		4	25	2B	42	71	8	N	9	2	6	6	4	86-821	
A	744	G5059x(G3393xA175) F1	CHUMBINHO		3	24	3	38	78	2	N	9	2	6	6	4	86-914	
A	745	A246xXAN17	CHUMBINHO		4	20	2B	38	67	.	N	9	3	7	5	6	86-824	
A	746	DOR41x(G18446x(G22023xXAN40) F1) F1	CHUMBINHO		4	29	3	32	71	5	N	9	5	7	7	7	86-786	
A	747	A13x(G13713xA343) F1	PINTO		2J	25	2B	32	70	.	N	9	3	6	6	7	86-765	
A	748	A433xA354	PINTO		2J	23	2A	38	71	.	N	9	4	7	6	4	86-785	
A	749	A114x(BAT1256xG1771) F1	FLOR DE MAYO		2J	31	2B	40	71	.	N	9	8	5	6	4	86-766	
A	750	A114x(G22034xG12727) F1	FLOR DE MAYO		2J	23	3	.	83	8	N	9	6	7	6	7	86-767	
A	751	A114x(G22034xG12727) F1	FLOR DE MAYO		2J	28	3	47	78	8	N	9	4	8	7	4	86-768	
A	752	A114x(G22034xG12727) F1	FLOR DE MAYO		2J	30	3	44	78	8	N	9	6	7	7	3	86-769	
A	753	A114x(G22034xG12727) F1	FLOR DE MAYO		2J	23	3	45	82	8	N	7	5	6	6	7	86-770	
A	754	A114x(G22034xG12727) F1	FLOR DE MAYO		2J	31	3	42	77	.	N	8	4	7	6	4	86-771	
A	755	BAT1671xA367	FLOR DE MAYO		2J	20	2B	41	71	.	N	7	5	7	6	7	86-772	
A	756	BAT1671xA367	FLOR DE MAYO		2J	20	2A	41	72	.	N	8	6	7	6	7	86-773	
A	757	BAT1671xA367	FLOR DE MAYO		2J	21	2A	42	72	.	N	7	3	7	6	7	86-774	
A	758	G5059x(G3393xA175) F1	MULATINHO		2	23	2B	38	68	.	N	9	1	7	6	6	86-911	
A	759	G5059x(G3393xA175) F1	MULATINHO		2	26	3	44	73	.	N	9	4	7	6	7	86-913	
A	760	G5059x(G3393xA175) F1	MULATINHO		2	23	3	43	73	.	N	9	1	7	7	7	86-916	
A	761	G5059x(G3393xA175) F1	MULATINHO		2	20	2B	35	68	.	N	9	2	7	7	4	86-917	
A	762	G5059x(G3393xA175) F1	MULATINHO		2	24	2B	39	68	.	N	9	7	7	6	8	86-918	
A	763	G5059x(A97xG7951) F1	BICO DE OURO		2	19	3	46	76	.	N	9	1	6	7	7	86-908	
A	764	G5059x(A97xG7951) F1	BICO DE OURO		2	20	3	45	75	.	N	9	2	7	7	7	86-910	
A	765	XAN93x(G5059x(A333xA279) F1) F1	BICO DE OURO		2	17	2B	.	75	.	N	.	7	.	4	6	89-35	
A	766	A320xG9511	MULATINHO		2	27	3	35	62	.	N	.	6	.	6	5	89-116	
A	767	A249xXAN87	CARIOCA		2R	21	2A	35	62	.	N	.	4	6	5	5	89-68	
A	768	A249xXAN87	CARIOCA		2R	22	2B	.	62	.	N	.	2	4	6	6	89-69	
A	769	A249xXAN87	CARIOCA		2R	22	2A	35	62	.	N	.	2	5	5	7	89-70	
A	770	A319xG4830	MULATINHO		2	22	3	39	67	.	N	.	5	5	5	8	89-117	
A	771	G21752xXAN112	MULATINHO		2	23	2B	40	67	.	N	.	6	5	6	7	89-118	
A	772	(G21747xBAT256) F1x(G21744xBAT67) F1	MULATINHO		2	22	2B	40	71	.	N	.	4	6	4	2	89-107	
A	773	(G4017xS28454) F1x(A156x(BAT85x...	CARIOCA		2R	24	2B	40	67	.	N	.	4	6	5	5	89-71	
A	774	BAT85x(A375xG17702) F1x(A445x...	MULATINHO		2	25	2B	35	61	1	N	.	7	5	7	8	89-119	
A	775	BAT85x(A375xG17702) F1x(A445x...	MULATINHO		2	25	2B	38	62	.	N	.	7	4	5	7	89-120	
A	776	(BAT477xG5019) F1x(G4017xXAN40) F1	BICO DE OURO		2	28	2B	38	65	.	N	.	5	6	5	7	89-36	
A	777	(BAT477xG5019) F1x(G4017xXAN40) F1	MULATINHO		2	27	3	38	67	.	N	.	3	4	5	7	89-121	
A	778	A247xXAN87	CARIOCA		2R	21	2A	35	61	.	N	.	8	7	5	7	89-72	
A	779	(A338xG5054) F1x(G11893x(A303x...	BICO DE OURO		2	25	2B	39	65	.	N	.	6	6	6	7	89-37	
A	780	(BAT85xXAN160) F1x(A321x(G5059x...	MULATINHO		2	21	2B	37	65	.	N	.	8	4	6	7	89-122	
A	781	(BAT85xXAN160) F1x(A321x(G5059x...	MULATINHO		2	28	3	35	62	.	N	.	2	6	6	7	89-123	
A	782	(BAT85xXAN160) F1x(A321x(G5059x...	MULATINHO		2	22	3	38	65	.	N	.	7	6	6	7	89-124	
A	783	(BAT85xXAN160) F1x(A321x(G5059x...	MULATINHO		2	23	3	38	65	.	N	.	5	6	5	7	89-125	
A	784	(A249xXAN87) F1x(BAT336x(BAT1376x...	MULATINHO		2	23	2B	38	62	.	N	.	6	.	5	5	89-126	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to Fl	Mt	Fot	ECMV	Emp	Ant	CBB	ALS	Rust	Yr	VEP Ent	IB YAN
A	785	(A373xXAN93) F1x(BAT477xA213) F1) F1x((...	8	27	2B	38	65	.	N	.	6	.	7	8		89-519	
A	786	(A445xBAT76) F1x(BAT85x(A83x...	2	31	2B	39	65	.	N	.	6	5	5	8		89-127	
A	787	G17705x(XAN112x(A286x(A107x...	2R	24	2B	38	62	.	N	.	5	6	6	7		89-73	
A	788	(BAT85x(A338xG5054) F1) F1x(A252x...	2	27	2B	38	62	.	N	.	5	5	7	8		89-128	
A	789	(BAT85x(A338xG5054) F1) F1x(A252x...	2	29	2B	35	61	.	N	.	6	4	7	4		89-129	
A	790	A252xXAN112	2R	24	2B	38	62	.	N	.	7	7	5	6		89-74	
A	791	(A301x(A156xRIZ17) F1) F1x(G4495x...	2	22	2A	39	71	.	N	.	4	7	4	7		89-38	
A	792	(XAN116xA249) F1x(BAT477x(G11893x...	2	23	B	35	64	.	N	.	6	4	5	7		89-39	
A	793	(XAN116xA249) F1x(BAT477x(G11893x...	2	25	2A	35	60	.	N	.	6	4	7	4		89-130	
A	794	G11893x((BAT477xA283) F1x(A253x(...	2	22	2B	40	70	.	N	.	6	5	6	7		89-40	
A	795	G11893x((BAT477xA283) F1x(A253x(...	2	25	2B	38	63	.	N	.	5	4	5	5		89-131	
A	796	G6475x((BAT477xA283) F1x(A253x(...	2	21	2B	38	61	.	N	.	5	5	7	7		89-132	
A	797	(RAO30xA59) F1x(G2793x(A252x...	3	34	2B	38	71	1	N	.	2	7	7	7		91-77	
A	798	(A375xG15821) F1x(G2793x(A457x...	2	38	3	37	83	8	N	.	1	7	7	6		90-24	
A	799	A375x(BAT1297xA235) F1	2	30	3	36	83	8	N	.	1	7	5	7		90-54	
A	800	(MAM13xG2923) F1x(A321x(BAT85x...	8	37	3	29	66	3	N-M	.	1	7	7	7		90-435	
ABA	1	A494x(A179x(BAT1252xG4391) F1) F1	1	.	.	.	.	.	M	.	.	.	.	.	.	.	.
ABA	2	G7930x(BAT1274xG7602) F1	1	38	.	36	77	4	N	.	7	2	7	6	3	85-4	85
ABA	3	A187xG10176	1	25	1	31	61	1	N	.	9	3	7	7	4	87-6	
ABA	4	A494x(G10030xG76) F1	1	33	1	32	61	3	N	.	7	7	6	3		87-7	
ABA	5	A494x(G10030xG76) F1	1	31	1	32	61	3	N	.	8	8	7	3		87-8	
ABA	6	A492x(A494x(G7930xDOR60) F1) F1	1	29	1	33	61	.	N	.	9	8	7	3		87-9	
ABA	7	A492x(A494x(G7930xDOR60) F1) F1	1	22	1	33	64	.	N	.	9	8	8	5		87-10	
ABA	8	A494x(G22169x(A156xG7930) F1) F1	1	44	1	30	68	.	N	.	8	9	6	4		88-1	
ABA	9	A494x(G22169x(A156xG7930) F1) F1	1	44	1	31	68	.	N	.	8	7	7	4		88-2	
ABA	10	A494x(G22169x(A156xG7930) F1) F1	1	37	1	32	67	.	N	.	8	7	8	3		87-11	
ABA	11	A494x(G22169x(A156xG7930) F1) F1	1	34	1	31	65	.	N	.	8	8	7	3		87-12	
ABA	12	A494x(G13131xA197) F1	1	30	1	34	67	.	N	.	8	8	7	3		87-13	
ABA	13	G13145x(A491xA195) F1	1	36	1	35	66	.	N	.	5	7	6	3		87-14	
ABA	14	G7930x(EMP93x(A494x(S28544x...	1	30	1	36	67	.	N	.	1	8	6	3		87-15	
ABA	15	A493x(A494x(A208xG1853) F1) F4	1	29	1	33	64	.	N	.	3	7	7	4		87-16	
ABA	16	A493x(A494x(A208xG1853) F1) F4	1	40	1	35	67	3	N	.	9	5	6	7	5	87-17	89
ABA	17	G13922x(G7930x(A156xA494) F1) F5	1	40	1	33	75	4	N	.	9	7	6	6	4	88-3	
ABA	18	(A494x(A208xG1853) F1) F5x(A124x...	1	29	1	34	62	.	N	.	6	7	7	3		87-18	
ABA	19	(A494x(A208xG1853) F1) F5x(XAN77x...	1	37	1	33	64	.	N	.	7	7	6	3		87-19	
ABA	20	G76x(A494x(A208xG1853) F1) F7	1	28	1	32	65	3	N	.	9	8	7	5	4	87-20	
ABA	21	G76x(A494x(A208xG1853) F1) F7	1	32	1	32	62	3	N	.	8	6	5	4		87-21	
ABA	22	G3954x(A494x(A208xG1853) F1) F7	1	30	1	35	69	.	N	.	5	7	6	2		87-22	
ABA	23	G3954x(A494x(A208xG1853) F1) F7	1	35	1	35	66	3	N	.	5	7	5	6		87-23	
ABA	24	G3710x(A494x(G10030xG76) F1) F7	1	47	1	32	72	5	N	.	9	8	7	6	4	88-4	
ABA	25	G3710x(A494x(G10030xG76) F1) F7	1	49	1	33	75	5	N	.	8	8	7	3		88-5	
ABA	26	G3710x(A494x(G10030xG76) F1) F7	1	48	1	31	74	4	N	.	9	8	7	6	3	88-6	
ABA	27	G3710x(A494x(G10030xG76) F1) F7	1	32	1	32	65	1	N	.	8	7	6	3		87-24	
ABA	28	WAF7xG3954	1	38	1	33	65	2	N	.	9	6	7	6	5	87-25	
ABA	29	(A494x(A208xG1853) F1) F6x(A493x...	1	38	1	33	67	4	N	.	6	7	7	7		87-26	
ABA	30	(A494x(A208xG1853) F1) F6x(A493x...	1	42	2	33	75	.	N	.	9	8	7	5	5	88-7	
ABA	31	(A494x(A208xG1853) F1) F6x(A493x...	1	34	1	33	65	.	N	.	4	7	7	7		89-1	
ABA	32	(A494x(A208xG1853) F1) F6x((A494x(...	1	33	1	32	66	.	N	.	7	8	6	4		87-27	
ABA	33	(A494x(A208xG1853) F1) F7x(XAN125x(...	1	35	1	33	68	3	N	.	9	8	6	5	7	87-28	89
ABA	34	(A494x(A208xG1853) F1) F7x(XAN125x(...	1	32	1	34	65	2	N	.	8	3	7	6	7	87-29	
ABA	35	(A494x(S28544x(A156xG7930) F1) F6) F1x...	1	30	1	31	64	.	N	.	6	8	6	3		87-30	
ABA	36	G21910x(G1633xA195) F5	1	42	1	34	67	4	N	.	9	8	6	7	5	87-31	87
ABA	37	((A494x(G10030xG76) F1) F7xG6415) F1x...	1	31	1	33	61	4	N	.	7	7	7	3		87-32	
ABA	38	(A494x(A208xG1853) F1) F7x(G13097x...	1	50	1	33	74	4	N	.	9	7	5	6	5	88-8	
ABA	39	(A494x(A208xG1853) F1) F7x(G13097x...	1	33	1	33	65	.	N	.	6	5	7	6		89-2	
ABA	40	(A494x(A208xG1853) F1) F7x(G13097x...	1	35	1	33	66	1	N	.	7	6	6	5		87-33	

Line	Cross	Cult. type	Seed			Days to					VEF					IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr		Ent	YAN
ACV 24	V79117xV79018	HONDURAS 46	6	27	4A	49	94	.	N-M	.	2	7	5	5	84-595	
ACV 25	V79117xV79018	HONDURAS 46	6	27	4B	46	93	.	N-M	.	4	8	6	3	84-596	
ACV 26	V79117xV79018	HONDURAS 46	6	25	4B	47	90	.	N	.	5	6	6	3	84-597	
ACV 27	G5653xV79020	MEXICO 80	6	28	4A	47	90	.	M-N	.	2	7	6	3	84-598	
ACV 28	V79116xV79020	MEXICO 80	6	32	4A	47	93	.	N-M	.	2	7	6	5	84-599	
ACV 29	V79116xV79020	MEXICO 80	6	36	1B	52	96	.	M-N	.	1	8	6	5	84-600	
ACV 30	V79116xV79020	MEXICO 80	6	40	4A	46	93	8	N	.	3	8	4	7	84-601	
ACV 31	V79116xV79020	MEXICO 80	6	37	4A	52	96	.	N	.	3	8	6	3	84-602	
ACV 32	V79116xV79020	MEXICO 80	6	38	4B	54	97	.	N-M	.	2	7	5	5	84-603	
ACV 33	V79117xV79018	MEXICO 80	6	30	4A	49	93	.	M-N	.	3	8	6	3	84-604	
ACV 34	V79117xV79018	MEXICO 80	6	35	4B	49	95	8	N-M	.	3	8	6	7	84-605	
ACV 35	V79117xV79018	MEXICO 80	6	30	4B	47	90	.	M-N	.	2	7	6	3	84-606	
ACV 36	V79117xV79018	MEXICO 80	6	29	4B	47	95	6	N-M	.	3	7	6	7	84-607	
ACV 37	G2371xV79020	ZAMORANO	6	37	4A	47	97	.	M	.	3	8	6	5	84-608	
ACV 38	G7128xV79020	MEXICO 80	6	32	4A	47	90	.	M	.	3	8	6	5	84-609	
ACV 39	G2016xV79018	HONDURAS 46	6	29	4A	49	92	.	M-N	.	1	6	6	7	84-610	
ACV 40	G2016xV79020	HONDURAS 46	6	36	4B	49	93	.	M-N	.	2	5	7	3	84-611	
ACV 41	G2016xV79020	MEXICO 80	6	31	4B	55	93	.	M	.	3	8	7	3	84-612	
ACV 42	G2016xV79020	MEXICO 80	6	32	4A	55	94	.	M	.	3	7	7	5	84-613	
ACV 43	G7908xV79018	ZAMORANO	6	29	4A	49	90	.	M	.	3	8	6	7	84-614	
ACV 44	G7908xV79018	HONDURAS 46	6	36	4A	47	93	.	M-N	.	3	7	7	3	84-615	
ACV 45	G7908xV79018	HONDURAS 46	6	29	4A	47	87	.	M-N	.	1	7	6	3	84-616	
ACV 46	G7908xV79018	ZAMORANO	6	32	3B	51	94	.	M	.	3	8	6	3	84-617	
ACV 47	G7908xV79018	ZAMORANO	6	28	4A	52	97	.	M-N	.	3	8	6	3	84-618	
ACV 48	V79115xV79018	HONDURAS 46	6	27	4A	46	90	.	M-N	.	2	7	6	3	84-619	
ACV 49	V79115xV79018	HONDURAS 46	6	35	4A	44	89	.	M-N	.	2	7	5	3	84-620	
ACV 50	V79116xV79018	HONDURAS 46	6	36	4A	52	90	.	N-M	.	2	8	6	3	84-621	
ACV 51	V79116xV79018	HONDURAS 46	6	30	4A	47	94	.	M-N	.	2	7	6	5	84-622	
ACV 52	V79116xV79018	MEXICO 80	6	30	4A	45	93	.	M	.	3	8	6	3	84-623	
ACV 53	V79116xV79020	ZAMORANO	6	34	4B	51	97	.	M	.	3	7	6	3	84-624	
ACV 54	V79116xV79020	ZAMORANO	6	32	4B	53	97	.	M	.	3	8	5	3	84-625	
ACV 55	V79116xV79020	HONDURAS 46	6	34	4B	47	97	8	N	.	4	8	6	3	84-626	
ACV 56	V79116xV79020	ZAMORANO	6	38	4A	53	97	.	M	.	1	8	5	3	84-627	
ACV 57	V79116xV79020	HONDURAS 46	6	37	4A	47	96	.	M-N	.	2	8	6	3	84-628	
ACV 58	V79116xV79020	ZAMORANO	6	35	4A	46	89	.	M	.	4	7	4	5	84-629	
ACV 59	V79116xV79020	ZAMORANO	6	39	4B	50	94	.	M	.	3	8	6	5	84-630	
ACV 60	V79117xV79018	HONDURAS 46	6	34	4B	47	90	.	M-N	.	4	7	6	5	84-631	
ACV 61	V79117xV79018	ZAMORANO	6	29	4B	52	94	.	M-N	.	3	7	6	5	84-632	
ACV 62	V79117xV79018	HONDURAS 46	6	30	4B	47	90	.	M	.	4	7	6	3	84-633	
ACV 63	V79116xV79020	MEXICO 80	6	30	4A	52	97	.	M-N	.	2	7	6	5	84-634	
ACV 8301	G2525xG2016		6	22	3B	39	86	.	N	.	9	2	7	4	5	83-1196
ACV 8302	G5653xG5694		.	.	.	.	.	.	N	.	.	.	.	.	.
ACV 8303	G5653xG5694		.	.	.	.	.	.	N	.	.	.	.	.	.
ACV 8304	G2525xG2333		6	19	4A	36	77	.	N	.	9	2	7	6	1	83-1197
ACV 8305	G5653xG2006		.	.	.	.	.	.	N	.	.	.	.	.	.
ACV 8306	G5653xG2006		.	.	.	.	.	.	N	.	.	.	.	.	.
ACV 8307	G2327xG5004		6	23	4A	39	83	.	N	.	9	4	6	6	1	83-1198
ACV 8308	G2839xG3872		.	.	.	.	.	.	N	.	.	.	.	.	.
ACV 8309	G2839xG3872		.	.	.	.	.	.	N	.	.	.	.	.	.
ACV 8310	G5701xG2006		6	29	4A	36	75	.	N	.	9	3	7	5	5	83-1199
ACV 8311	G3913xG2540		6	21	4A	37	79	5	N	.	9	4	6	5	1	83-1200
ACV 8312	G5653xG3872		6	22	4A	37	85	8	N	.	9	3	7	5	1	83-1201
ACV 8313	G5653xG3872		.	.	.	.	.	.	N	.	.	.	.	.	.
ACV 8314	G5653xG3872		6	21	4A	37	85	.	N	.	9	5	7	6	5	83-1202
ACV 8315	G5653xG3872		6	19	4A	38	85	.	N	.	9	6	7	5	1	83-1203
ACV 8316	G5653xG3872		6	23	4A	40	85	8	N	.	9	4	7	5	1	83-1204

Line	Cross	Cult. type	Seed			Days to										VBF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr			Ent	YAN
ACV 8317	G5653xG3872		6	21	4A	39	85	.	N	9	6	7	5	1	83-1205		
ACV 8318	G5653xG2006		6	22	4A	41	79	.	N	9	4	7	4	1	83-1206		
ACV 8319	G5653xG2006		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8320	G5653xG2006		6	23	4A	36	79	.	N	9	3	8	4	1	83-1207		
ACV 8321	G5653xG2006		6	23	4A	40	86	.	N	9	2	7	2	1	83-1208		
ACV 8322	G5653xG2006		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8323	G3913xG3872		6	24	4A	42	77	.	N	9	3	8	6	1	83-1209		
ACV 8324	G3910xV79020		6	25	4A	40	79	.	N	9	2	8	6	1	83-1210		
ACV 8325	G7128xV79018		6	20	4A	36	79	.	N	9	6	7	7	5	83-1211		
ACV 8326	G7128xV79018		6	23	4A	36	77	3	N	9	2	7	6	1	83-1180		
ACV 8327	G7128xV79020		6	24	4A	39	77	5	N	9	2	7	4	1	83-1181		
ACV 8328	G7908xV79018		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8329	G7908xV79018		6	24	4A	44	88	8	N	9	4	7	6	1	83-1182		
ACV 8330	G7908xV79018		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8331	V79115xV79018		6	24	4A	36	77	8	N	9	2	7	6	1	83-1183		
ACV 8332	V79115xV79018		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8333	V79116xV79018		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8334	V79116xV79018		6	29	4A	38	77	.	N	9	6	7	4	1	83-1184		
ACV 8335	V79116xV79018		6	20	4B	37	79	.	N	9	4	7	5	1	83-1185		
ACV 8336	V79116xV79018		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8337	V79116xV79018		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8338	V79116xV79018		6	25	4A	39	77	.	N	9	4	7	5	1	83-1186		
ACV 8339	V79116xV79018		6	25	4A	39	77	.	N	9	4	7	4	1	83-1187		
ACV 8340	V79116xV79018		6	23	4A	36	77	8	N	9	4	7	6	1	83-1188		
ACV 8341	V79116xV79018		6	27	4A	40	77	.	N	9	3	6	3	1	83-1189		
ACV 8342	V79116xV79018		6	26	4A	39	77	8	N	9	1	6	8	1	83-1190		
ACV 8343	V79116xV79020		6	26	4A	36	75	.	N	9	3	6	5	1	83-1191		
ACV 8344	V79116xV79020		6	32	4A	35	77	.	N	9	3	7	4	1	83-1192		
ACV 8345	V79116xV79020		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8346	V79116xV79020		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8347	V79116xV79020		6	32	4A	34	75	.	N	9	4	7	5	1	83-1193		
ACV 8348	V79116xV79020		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8349	V79117xV79018		6	21	4B	41	77	8	N	9	3	7	4	5	83-1194		
ACV 8350	V79117xV79018		6	21	4A	36	77	.	N	9	4	6	5	5	83-1195		
ACV 8351	V79117xV79018		6	23	4A	37	79	.	N	9	1	7	6	1	83-1167		
ACV 8352	V79117xV79018		6	21	4A	37	79	.	N	9	2	8	7	1	83-1168		
ACV 8353	V79117xV79018		6	21	4B	37	88	.	N	9	2	7	6	1	83-1169		
ACV 8354	V79117xV79018		6	23	4B	36	88	.	N	9	2	7	6	1	83-1170		
ACV 8355	V79117xV79018		6	22	4A	36	76	.	N	9	2	7	7	1	83-1171		
ACV 8356	G5653xV79020		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8357	V79116xV79020		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8358	V79116xV79020		6	26	4A	36	79	.	N	9	4	7	6	1	83-1172		
ACV 8359	V79116xV79020		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8360	V79117xV79018		6	25	4A	42	79	.	N	9	2	8	6	1	83-1173		
ACV 8361	V79117xV79018		6	24	4A	37	77	1	N	9	2	7	4	5	83-1174		
ACV 8362	V79117xV79018		6	25	4A	36	77	.	N	9	3	7	6	5	83-1175		
ACV 8363	V79117xV79018		6	25	4A	38	77	8	N	9	2	7	5	1	83-1176		
ACV 8364	V79117xV79018		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8365	V79117xV79018		6	24	4A	36	77	.	N	9	2	7	5	5	83-1177		
ACV 8366	V79117xV79018		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8367	V79117xV79018		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8368	V79117xV79018		6	24	4A	39	77	8	N	9	4	7	6	1	83-1178		
ACV 8369	V79117xV79018		.	.	.	.	.	.	N	.	.	.	.	.	.	.
ACV 8370	V79117xV79018		6	26	4A	36	77	.	N	9	2	7	6	1	83-1179		
ACV 8371	G5653xG3872		6	.	4B	.	.	.	N	9	1	7	3	1	83-1381		
ACV 8372	G5653xG3872		6	.	4A	.	.	.	M	9	2	7	5	1	83-1382		

Line	Cross	Cult. type	Seed			Days to								VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
ACV 8373	G5653xG3872		6	. 4A	.	.	.	M	9	2	8	5	1	83-1383	
ACV 8374	G5653xG3872		6	. 4A	.	.	.	M	9	1	7	6	1	83-1384	
ACV 8375	G5653xG2006		6	. 4A	.	.	.	M	9	2	7	7	1	83-1385	
AFR 1	G5702xG12727		6	36 4A	.	128	.	M	.	2	9	7	5	85-5	
AFR 2	G3910xV79020		6	26 3A	.	123	.	M	.	1	9	7	5	85-6	
AFR 3	G2016xG13936	ZAMORANO	6	21 3B	36	68	.	M	6	3	9	4	5	85-7	
AFR 4	G2016xG13936	ZAMORANO	6	22 3B	36	68	.	M	7	2	9	3	5	85-8	
AFR 5	G2016xG13936	ZAMORANO	6	23 3B	36	66	.	M	8	5	9	4	7	85-9	
AFR 6	G2016xG13936	ZAMORANO	6	27 3B	35	64	.	M	8	4	9	5	5	85-10	
AFR 7	G2016xG13936	ZAMORANO	6	23 3B	36	67	.	M	7	3	9	5	5	85-11	
AFR 8	G2016xG13936	ZAMORANO	6	19 3B	36	64	.	M	8	2	9	5	5	85-12	
AFR 9	G2016xG13936	ZAMORANO	6	20 3B	37	67	.	M	8	2	9	4	5	85-13	
AFR 10	G2016xG13936	ZAMORANO	6	20 3B	36	67	.	M	8	3	9	5	7	85-14	
AFR 11	G2016xG13936	ZAMORANO	6	23 3B	38	67	.	M	7	2	9	4	6	85-15	
AFR 12	G2016xG13936	ZAMORANO	6	22 3B	37	68	.	M	8	2	9	4	5	85-16	
AFR 13	G2016xG13936	ZAMORANO	6	22 3B	37	68	.	M	7	3	9	4	7	85-17	
AFR 14	G2016xG13936	ZAMORANO	6	20 3B	37	68	.	M	8	2	9	4	5	85-18	
AFR 15	G2016xG13936	ZAMORANO	6	23 3B	37	70	.	M	8	2	9	4	5	85-19	
AFR 16	G2016xG13936	ZAMORANO	6	22 3B	37	70	.	M	7	3	9	4	7	85-20	
AFR 17	G2016xG13936	ZAMORANO	6	22 3	37	70	.	M	7	2	9	4	7	85-21	
AFR 18	G2016xG13936		6	29 3B	.	123	.	M	.	1	9	7	5	85-22	
AFR 19	G2016xG13936	ZAMORANO	6	23 3B	36	70	.	M	7	5	9	4	5	85-23	
AFR 20	G2025xG13936	ZAMORANO	6	22 3	38	71	.	M	7	2	9	4	5	85-24	
AFR 21	G2025xG13936	ZAMORANO	6	24 3	38	71	.	M	7	4	9	5	7	85-25	
AFR 22	G2025xG13936	ZAMORANO	6	22 3	39	72	.	M	7	1	8	6	7	85-26	
AFR 23	G2025xG13936	ZAMORANO	6	21 3	39	69	.	M	7	4	7	4	5	85-27	
AFR 24	G2025xG13936	ZAMORANO	6	20 3	37	68	.	M	7	1	9	3	5	85-28	
AFR 25	G2025xG13936	ZAMORANO	6	20 3A	39	68	.	M	7	3	9	4	5	85-29	
AFR 26	G2025xG13936	ZAMORANO	6	19 3	38	68	.	M	7	2	8	4	5	85-30	
AFR 27	G2025xG13936	ZAMORANO	6	18 3	37	67	.	M	7	2	8	5	7	85-31	
AFR 28	G2025xG13936	ZAMORANO	6	22 3	38	68	.	M	7	1	8	6	5	85-32	
AFR 29	G2025xG13936	ZAMORANO	6	22 3	37	68	.	M	7	2	8	5	7	85-33	
AFR 30	G2025xG13936	ZAMORANO	6	22 3	40	70	.	M	7	1	9	5	5	85-34	
AFR 31	G2025xG13936	ZAMORANO	6	23 3	39	70	.	M	7	3	9	5	5	85-35	
AFR 32	G2025xG13936	ZAMORANO	6	23 3	37	70	.	M	7	2	9	5	5	85-36	
AFR 33	G2025xG13936	ZAMORANO	6	22 3	38	71	.	M	7	1	8	4	7	85-37	
AFR 34	G2025xG13936		6	29 3B	.	123	8	M	.	2	7	7	6	85-38	
AFR 35	G2025xG13936		6	29 3B	.	118	.	M	.	1	9	7	3	85-39	
AFR 36	G2025xG13936		6	27 3B	.	118	.	M	.	2	9	7	3	85-40	
AFR 37	G2035xV79018		6	27 3B	.	118	.	M	.	1	9	8	3	85-41	
AFR 38	G7128xV79018		6	24 3B	.	118	.	M	.	3	9	7	3	85-42	
AFR 39	G7128xV79018	MEXICO 80	6	23 3B	38	79	.	M	7	2	9	6	5	85-43	
AFR 40	G12727xV79020		6	29 3B	.	118	.	M	.	2	8	7	6	85-44	
AFR 41	G12727xV79119		6	27 4A	.	123	8	M	.	1	9	7	6	85-45	
AFR 42	G12727xV79119		6	24 4A	.	123	8	M	.	2	9	7	4	85-46	
AFR 43	G12727xV79119		6	27 4A	.	123	8	M	.	1	9	6	6	85-47	
AFR 44	G12727xV79119		6	24 4A	.	118	8	M	.	1	9	7	4	85-48	
AFR 45	G12727xV79119		6	25 4A	.	118	8	M	.	2	9	7	5	85-49	
AFR 46	G12727xV79119		6	22 3B	.	118	.	M	.	3	9	7	5	85-50	
AFR 47	G12727xV79119		6	24 3B	.	118	8	M	.	2	9	7	5	85-51	
AFR 48	G12727xV79119		6	27 3B	.	118	.	M	.	2	9	7	3	85-52	
AFR 49	G12727xV79119		6	26 3B	.	118	8	M	.	2	9	7	6	85-53	
AFR 50	G12727xV79119		6	26 4A	.	118	8	M	.	2	9	7	5	85-54	
AFR 51	G12727xV79119		6	25 4A	.	118	8	M	.	2	8	7	6	85-55	
AFR 52	G12727xV79119		6	28 4A	.	118	8	M	.	2	9	8	5	85-56	
AFR 53	G12727xV79119		6	27 4A	.	118	8	M	.	2	9	7	6	85-57	

Line	Cross	Cult. type	Seed			Days to										VEF Yr Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust			
AFR 54	G12727xV79119		6	26	3B	.	118	8	M	.	2	9	7	4	85-58		
AFR 55	G12727xV79119		6	28	3B	.	118	8	M	.	2	9	7	7	85-59		
AFR 56	G12727xV79119		6	26	3B	.	118	8	M	.	2	9	7	6	85-60		
AFR 57	G12727xV79119		6	24	3B	.	118	8	M	.	2	9	7	6	85-61		
AFR 58	G12727xV79119		6	27	3B	.	118	8	M	.	2	9	7	6	85-62		
AFR 59	G12727xV79119		6	27	3B	.	118	8	M	.	2	9	7	6	85-63		
AFR 60	G12727xV79119		6	24	3B	.	118	.	M	.	1	9	7	3	85-64		
AFR 61	G12727xV79119		6	25	3B	.	118	8	M	.	2	9	7	6	85-65		
AFR 62	G12727xV79119		6	26	4A	.	118	8	M	.	2	9	7	5	85-66		
AFR 63	G12727xV79119		6	27	4A	.	118	8	M	.	3	9	7	5	85-67		
AFR 64	G12727xV79119		6	30	3B	.	118	8	M	.	1	9	7	6	85-68		
AFR 65	G12727xV79119		6	27	3B	.	118	8	M	.	2	9	7	5	85-69		
AFR 66	G12727xV79119		6	25	3B	.	118	.	M	.	1	9	7	5	85-70		
AFR 67	G12727xV79119		6	24	3B	.	118	.	M	.	1	9	8	5	85-71		
AFR 68	G12727xV79119		6	26	3B	.	118	.	M	.	3	9	8	3	85-72		
AFR 69	G12727xV79119		6	26	3B	.	118	6	M	.	2	9	7	6	85-73		
AFR 70	G12727xV79119		6	27	3B	.	118	8	M	.	2	9	7	5	85-74		
AFR 71	G12727xV79119		6	26	3B	.	118	8	M	.	2	9	7	6	85-75		
AFR 72	V79115xV78044		6	25	3B	.	118	.	M	.	2	9	8	5	85-76		
AFR 73	G3910x (V79018x4A)		6	.	3B	.	118	.	M	.	2	9	8	5	85-77		
AFR 74	G3910x (V79018x4A)		6	30	3B	.	118	.	M	.	3	9	8	3	85-78		
AFR 75	G3910x (V79018x4A)		6	30	3B	.	123	6	M	.	3	8	7	7	85-79		
AFR 76	G2371xV79018		6	25	3B	.	128	.	M	.	2	8	8	3	85-80		
AFR 77	G2025xG13936		6	29	3B	.	128	.	M	.	1	9	7	5	85-81		
AFR 78	G11487xBAT832	CARIOCA	2R	21	3A	40	73	.	N	6	3	8	6	7	85-82	87	
AFR 79	G11487xBAT832	CARIOCA	2R	22	2	40	73	.	N	5	2	9	6	7	85-83	87	
AFR 80	G11487xBAT832	CARIOCA	2R	21	2	40	71	1	N	8	5	9	6	5	85-84	87	
AFR 81	G11487xBAT832	CARIOCA	2R	20	3	40	71	1	N	7	1	8	6	7	85-85	87	
AFR 82	G515xG22090	SUGAR	2M	35	2	36	66	6	M	5	4	7	4	5	85-86		
AFR 83	G515xG22090	SUGAR	2M	36	2	36	66	7	M	9	3	7	5	5	85-87		
AFR 84	G515xG22090	SUGAR	2M	35	2	36	66	6	M	4	3	7	4	3	85-88		
AFR 85	G515xG22090	SUGAR	2M	34	2	35	66	8	M	5	3	8	6	3	85-89		
AFR 86	G4026xA117	ARGENTINO	7	38	2	36	71	8	N	6	4	5	4	5	85-90	87	
AFR 87	G4026xA117	ZAMORANO	6	37	1	36	68	.	M	5	.	8	.	5	85-91		
AFR 88	G515xBAT1387	SUGAR	2M	37	2	36	72	6	M	9	3	7	6	4	85-92		
AFR 89	G6500xA487	SUGAR	2M	36	2	36	68	8	M	9	7	7	6	4	85-93		
AFR 90	G6500xA487	SUGAR	2M	37	2	36	70	8	M	9	7	6	6	5	85-94		
AFR 91	G5147xBAT1367	SUGAR	2M	42	2	36	68	6	N	5	8	6	4	3	85-95	87	
AFR 92	A56xA179	MULATINHO	2	26	1	33	66	3	N	7	4	8	6	7	85-96	87	
AFR 93	G2025xV7920	MEXICO 80	6	27	.	43	.	.	M	.	3	9	.	5	85-97		
AFR 94	G2025xV7920	HUETAR	6	26	.	43	81	6	N	.	4	9	7	5	85-98		
AFR 95	G3913xV79020	HONDURAS 46	6	28	.	40	81	.	N	.	3	9	7	5	85-99		
AFR 96	G3913xV79020		4	31	.	40	81	.	N-M	.	2	9	8	3	85-100		
AFR 97	BAT64xEMP90	NEGRO OPACO	8	20	3B	39	76	.	N	6	5	4	6	5	85-101		
AFR 98	BAT64xEMP90	NEGRO OPACO	8	17	3A	40	75	1	N	6	7	7	5	5	85-102		
AFR 99	BAT64xBOR62	NEGRO OPACO	8	18	2A	41	73	.	N	6	6	6	4	3	85-103		
AFR 100	BAT64xBOR62	NEGRO OPACO	8	20	2A	41	71	1	N	9	6	8	7	5	85-104		
AFR 101	A57xA55	MULATINHO	2	24	1	39	75	3	N	9	9	9	8	5	85-105		
AFR 102	A57xA55	MULATINHO	2	23	1	39	75	1	N	9	6	9	6	7	85-106	87	
AFR 103	BAT64xEMP90	NEGRO OPACO	8	18	3B	40	73	.	N	6	5	7	6	3	85-107		
AFR 104	BAT64xEMP90	NEGRO OPACO	8	18	2	41	76	3	N	8	6	8	8	4	85-108	87	
AFR 105	BAT448xG14023	NEGRO OPACO	8	17	3	38	72	.	N	6	7	7	6	7	85-109		
AFR 106	BAT448xG14023	NEGRO OPACO	8	20	3	40	68	.	N	6	6	7	6	7	85-110		
AFR 107	G2025xV7920	MEXICO 80	6	27	.	49	.	8	M	.	2	9	7	5	85-111		
AFR 108	G2025xV7920	MEXICO 80	6	23	.	47	.	.	M	.	2	9	7	5	85-112		
AFR 109	G685xV79119		6	22	.	42	82	8	N-M	.	2	9	7	5	85-113		

Line	Cross	Cult. type	Seed			Days to										VBF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr			Ent	YAN
AFR 110	G685xV79119	DARK RED KIDNEY	6	24		42	.	8	M	.	5	9	6	5	85-114		
AFR 111	A57x(A156xA132)	BICO DE OURO	2	22	1	39	68	3	N	9	4	9	7	6	85-115		
AFR 112	A57x(A156xA132)	MULATINHO	2	21	1	41	69	.	N	6	3	9	7	5	85-116		
AFR 113	A126xA117	BICO DE OURO	2	31	1	35	75	.	N	6	4	8	6	5	85-117		
AFR 114	BAT84xFB5875	HONDURAS 46	6	21	3B	43	81	.	N	7	5	8	4	5	85-118		
AFR 115	BAT64xEMP90	NEGRO OPACO	8	17	2A	40	73	1	N	9	8	8	7	6	85-119	87	
AFR 116	BAT64xEMP90	CHUMBINHO	4	25	3B	39	75	.	N	6	4	8	7	3	85-120		
AFR 117	G2025xV7920	HUETAR	6	26		42	81	.	N	.	3	9	7	3	85-121		
AFR 118	G2025xV7920	MEXICO 80	6	22		48	.	.	M-N	.	2	9	6	5	85-122		
AFR 119	G3913xV79020	HONDURAS 46	6	33		39	81	.	N-M	.	3	9	7	3	85-123		
AFR 120	A56xA129	MULATINHO	4	19	1	38	73	8	N	9	5	9	6	6	85-124	87	
AFR 121	G3913xV79020	MEXICO 80	4	26		.	.	.	N	.	.	9	.	3	85-125		
AFR 122	G3913xV79020	HONDURAS 46	4	31		39	81	.	N	.	1	9	7	5	85-126		
AFR 123	G2025xV7920	MEXICO 80	6	24		43	83	.	M-N	.	1	9	6	5	85-127		
AFR 124	G2025xV7920	MEXICO 80	4	21		.	.	.	M	.	.	9	6	5	85-128		
AFR 125	BAT64xEMP90	NEGRO OPACO	8	20	2A	39	73	2	N	9	8	8	7	8	85-129		
AFR 126	BAT448xG14023	NEGRO OPACO	8	20	2A	40	75	1	N	9	7	8	7	9	85-130		
AFR 127	BAT448xG14023	NEGRO OPACO	8	19	2	42	73	.	N	7	.	5	7	7	85-131		
AFR 128	A56x(A156xA132)		4	22	1	37	73	8	N	6	3	8	6	6	85-132		
AFR 129	A56x(A156xA132)	CHUMBINHO	4	22	3B	37	82	.	N	5	4	8	6	5	85-133	87	
AFR 130	G3913xV79020	HONDURAS 46	6	29		40	85	.	M-N	.	.	9	8	3	85-134		
AFR 131	G2025xV7920		4	27		39	85	.	N-M	.	3	9	6	5	85-135		
AFR 132	G2025xV7920	MEXICO 80	6	22		43	87	.	M	.	2	9	7	5	85-136		
AFR 133	BAT64xEMP90	NEGRO OPACO	8	19	3B	39	75	.	N	7	6	8	8	3	85-137		
AFR 134	BAT64xBOR62	NEGRO OPACO	8	20	2	39	66	.	N	7	4	8	7	7	85-138		
AFR 135	BAT64xBOR62	NEGRO OPACO	8	17	2	41	73	.	N	7	4	8	5	5	85-139		
AFR 136	A57x(A156xA132)		4	20	1	40	73	4	N	8	3	8	6	7	85-140		
AFR 137	A57x(A156xA132)	CHUMBINHO	4	20	1	40	73	5	N	9	8	9	6	6	85-141		
AFR 138	BAT64xEMP90	NEGRO OPACO	8	18	3B	40	75	.	N	7	5	8	6	3	85-142		
AFR 139	BAT84xFB5875	HONDURAS 46	6	20	3B	47	81	.	N	6	2	8	4	7	85-143		
AFR 140	G3913xV79020	HONDURAS 46	6	31		39	82	.	N	.	3	8	8	3	85-144		
AFR 141	G2025xV7920		6	28		41	81	.	M-N	.	2	8	7	3	85-145		
AFR 142	G2025xV7920	HONDURAS 46	6	27		42	81	8	N	.	4	8	8	5	85-146		
AFR 143	A57xA55	MULATINHO	4	23	1	36	73	3	N	9	5	9	7	6	85-147	87	
AFR 144	BAT64xEMP90	NEGRO OPACO	8	21	3	40	75	.	N	7	4	8	5	5	85-148		
AFR 145	BAT64xEMP90	HUETAR	4	22	3	37	75	.	N	7	2	7	5	3	85-149		
AFR 146	BAT448xG14023	NEGRO OPACO	8	20	3	43	75	.	N	6	5	7	5	9	85-150		
AFR 147	BAT488xG14023	NEGRO OPACO	8	19	2	43	73	.	N	7	5	8	6	5	85-151		
AFR 148	G685xV79119	ROSINHA	4	21		41	81	.	M	.	2	8	7	3	85-152		
AFR 149	G2025xV7920	HONDURAS 46	6	29		42	81	.	N	.	3	8	6	5	85-153		
AFR 150	G3913xV79020	ZAMORANO	6	25		45	.	.	M	.	3	9	7	5	85-154		
AFR 151	G2025xV7920	MEXICO 80	4	26		45	.	.	M	.	2	9	6	5	85-155		
AFR 152	BAT448xG14023	NEGRO OPACO	8	19	2	42	75	.	N	6	2	6	7	5	85-156		
AFR 153	A56xA179	CHUMBINHO	4	25	1	36	75	.	N	6	4	9	6	5	85-157	87	
AFR 154	A56xA122	CHUMBINHO	4	20	1	40	73	3	N	9	8	9	7	6	85-158	87	
AFR 155	A56xA122	CHUMBINHO	4	20	1	39	73	8	N	9	5	9	7	6	85-159	87	
AFR 156	G8047xBAT1386	TUNDAMA	6M	36	1	35	66	.	M	4	5	6	7	5	85-160		
AFR 157	G14466xBAT1387	RED KIDNEY	5	44	1	32	71	3	N-M	9	3	6	6	3	85-161		
AFR 158	G14466xBAT1387	RED KIDNEY	5	43	1	34	75	5	M	9	3	6	6	4	85-162		
AFR 159	BAT1274xG6592	DARK RED KIDNEY	6	51	1	36	77	6	M	9	3	6	6	3	85-163		
AFR 160	G13936xG6416	TUNDAMA	6M	32	1	35	68	.	M	6	5	6	5	5	85-164		
AFR 161	G13936xG6416	NIMA	6M	33	1	36	68	.	M	6	4	7	5	5	85-165		
AFR 162	BAT1312xG6592	BAYO MEXICANO	2	39	1	36	77	3	N	9	3	8	6	5	85-166		
AFR 163	G6592xG13922	TUNDAMA	6M	40	1	35	73	.	M	5	4	6	6	3	85-167		
AFR 164	G6592xBAT1272	DUVA	6	35	1	38	77	.	M	.	5	6	4	5	85-168		
AFR 165	G7323xBAT1276	CALIMA	6M	38		38	71	.	M	5	4	6	5	5	85-169		

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS			Rust	Yr	Ent	YAN
AFR 166	G14466xA487	SUGAR	2M	48	2	36	75	8	M	7	7	8	4	3	85-170	
AFR 167	G14466xA487	SUGAR	2M	52	2	36	75	6	M	5	7	7	5	3	85-171	
AFR 168	ZM-80-G185xA487	SUGAR	2M	60	2	36	71	5	M	6	4	7	4	3	85-172	
AFR 169	BAT1312xG6592	RED KIDNEY	5	36	2	35	73	6	N	9	4	7	5	4	85-173	87
AFR 170	BAT1333xG6592	HONDURAS 46	6	28	3	37	68	.	M	6	5	7	4	3	85-174	
AFR 171	BAT1333xG6592	HONDURAS 46	4J	22	3	43	76	3	N	9	4	7	6	8	85-175	
AFR 172	BAT1333xG6592	HONDURAS 46	4J	22	3	43	76	3	N	9	3	7	6	8	85-176	
AFR 173	BAT1333xG6592	HONDURAS 46	6	22	3	37	71	.	N	7	6	8	5	3	85-177	
AFR 174	BAT1333xG6592	HONDURAS 46	6	23	3	37	71	.	N	7	4	7	5	3	85-178	
AFR 175	G6592xG8108	SMALL WHITE	1	22	1	33	66	.	N	7	7	9	4	3	85-179	
AFR 176	G4450xG8108	CALIMA	6M	46	1	33	68	.	M	5	7	9	6	3	85-180	
AFR 177	G4450xG8108	CALIMA	6M	48	1	34	67	.	M	5	9	9	3	5	85-181	
AFR 178	G4450xG8108	GUALI	7M	37	1	35	67	.	N	6	4	6	6	3	85-182	
AFR 179	G4450xG8108	GUALI	7M	37	1	36	68	.	N	5	3	6	5	3	85-183	
AFR 180	G4450xG6416	DARK RED KIDNEY	6	49	1	31	64	.	N	.	8	7	3	5	85-184	87
AFR 181	G8106xYC-2	MWEZI MOJA	7M	46	1	34	66	.	N	5	7	6	4	3	85-185	
AFR 182	G8106xYC-2	CALIMA	6M	47	1	34	67	.	M	5	6	7	5	3	85-186	
AFR 183	G7323xBAT1276	FRIJOLICA P11	6M	45	1	35	75	8	N	9	5	6	5	3	85-187	
AFR 184	G14307xBAT1345	GUALI	7M	42	2	33	76	.	M-N	6	4	7	5	3	85-188	
AFR 185	G6533xBAT1235	DUVA	6	53	1	31	73	2	M	8	7	8	6	5	85-189	
AFR 186	G13567xV79119	DORE	3	22	3B	36	75	.	M	6	.	7	.	3	85-190	
AFR 187	G6636xA117	POMPADOUR	6M	42	1	35	68	.	M	6	6	6	4	5	85-191	
AFR 188	G6636xA117	ZAMORANO	6	34	1	33	73	4	M	9	4	8	4	5	85-192	
AFR 189	G6592xA487	SANGRETORO	6	46	1	32	71	5	M	9	8	6	6	5	85-193	
AFR 190	G6592xA487	DARK RED KIDNEY	6	48	1	30	67	.	M	5	7	6	5	3	85-194	
AFR 191	G6592xA487	DARK RED KIDNEY	6	47	1	36	73	6	M	9	7	7	7	4	85-195	
AFR 192	G6592xA487	DARK RED KIDNEY	6	56	1	36	75	3	M	9	6	7	6	5	85-196	
AFR 193	G6592xBAT1386	RED KIDNEY	6	40	1	35	73	.	M	5	5	7	4	3	85-197	
AFR 194	G14466xBAT1387		2M	39	3A	36	75	.	M	.	7	8	7	5	85-198	
AFR 195	G14466xBAT1387	RED KIDNEY	5	44	1	33	68	3	N-M	9	6	6	6	5	85-199	
AFR 196	BAT1274xG6592	RED KIDNEY	5	48	1	35	80	8	M	8	4	6	6	3	85-200	
AFR 197	G8043xG6415	CALIMA	6M	53	1	36	68	.	M	5	9	7	5	5	85-201	
AFR 198	G7323xBAT1276	POMPADOUR	6M	38		36	71	.	M	6	5	5	5	5	85-202	
AFR 199	ZM-80-0185xA487	SUGAR	2M	61	2	36	71	5	M	6	5	7	5	3	85-203	
AFR 200	BAT1312xG6592	BAYO MEXICANO	2	39	2B	33	75	4	M-N	9	6	8	6	5	85-204	
AFR 201	BAT1312xG6592	RED KIDNEY	5	35	2	36	73	8	N	9	5	9	4	4	85-205	
AFR 202	G4450xG8108	CALIMA	6M	47	1	35	66	.	M	5	9	9	6	3	85-206	
AFR 203	G4450xG8106	GUALI	7M	41	1	36	67	.	N	6	3	7	5	3	85-207	
AFR 204	G8106xYC-2	FRIJOLICA P11	6M	38	1	33	64	8	N	9	2	6	6	4	85-208	
AFR 205	G8106xYC-2	MWEZI MOJA	7M	47	1	33	67	1	N	9	9	7	6	4	85-209	
AFR 206	G8106xYC-2	CALIMA	6M	46	1	35	67	.	M	5	9	7	5	3	85-210	
AFR 207	G8106xYC-2	CALIMA	6M	42	1	35	67	.	M	5	5	8	6	5	85-211	
AFR 208	G8106xYC-2	CALIMA	6M	46	1	35	67	.	M	5	9	8	6	5	85-212	
AFR 209	G8106xYC-2	GUALI	7M	45	1	33	66	1	N	9	8	6	6	5	85-213	
AFR 210	G8106xYC-2	GUALI	7M	47	1	34	67	.	N	7	8	6	5	3	85-214	
AFR 211	G8106xYC-2	GUALI	7M	40	1	34	67	.	N	6	3	7	7	3	85-215	
AFR 212	G8106xYC-2	GUALI	7M	45	1	34	68	.	N	6	3	7	5	3	85-216	
AFR 213	G8106xYC-2	CALIMA	6M	43	1	36	67	.	M	5	6	7	6	3	85-217	
AFR 214	G8106xYC-2	GUALI	6M	36	1	34	68	1	N	9	3	6	5	4	85-218	
AFR 215	G685xV79119	MEXICO 80	6	27		46	.	3	M	.	5	9	7	5	85-219	
AFR 216	G685xV79119	HONDURAS 46	6	24		40	82	8	M	.	4	9	6	6	85-220	
AFR 217	G685xV79119	HONDURAS 46	6	23		40	85	8	M	.	4	9	5	5	85-221	
AFR 218	G685xV79119	HONDURAS 46	6	26		49	.	8	M	.	2	6	6	6	85-222	
AFR 219	G2025xV7918	ZAMORANO	6	25		45	.	3	M	.	2	9	7	4	85-223	
AFR 220	G2025xV7920	MEXICO 80	6	28		40	82	8	M	.	2	9	8	4	85-224	
AFR 221	G2025xV79033	HONDURAS 46	6	30		39	83	8	N	.	6	9	7	7	85-225	

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust	Yr	Ent	YAN
AFR 278	G21720xBAT1386		6	23	4A	43	77	.	M	.	2	6	7	5	86-980	
AFR 279	G21720xBAT1386		6	22	4A	43	72	.	M	.	2	6	6	7	86-981	
AFR 280	G21720xBAT1386		6	20	4A	43	77	.	M	.	3	6	7	6	86-982	
AFR 281	G21720xBAT1386		6	23	4A	44	73	.	M-N	.	2	7	7	7	86-983	
AFR 282	G21720xBAT1386		6	26	4A	44	72	.	M	.	2	7	7	4	86-984	
AFR 283	G21720xBAT1386		6	24	4A	33	72	.	M	.	2	7	6	6	86-985	
AFR 284	G4004xG4494	CRANBERRY	2M	49	1	31	65	.	M	9	2	6	7	4	86-333	
AFR 285	G6415xXAN43	LIGHT RED KIDNEY	5	42	1	33	67	4	N	8	6	7	7	4	86-334	88
AFR 286	G6415xXAN43	RED KIDNEY	5	44	1	33	67	5	N	9	5	8	6	4	86-335	88
AFR 287	G6533xBAT1235	DARK RED KIDNEY	6	55	1	33	70	.	M	9	7	8	6	4	86-336	
AFR 288	G6533xBAT1235	DARK RED KIDNEY	6	51	1	32	72	3	M	9	7	7	6	4	86-337	
AFR 289	G6533xBAT1235		6	51	1	32	71	.	M	9	7	7	4	3	86-338	
AFR 290	G6636xA117	MWEZI MOJA	7M	42	1	35	70	5	N	8	3	6	5	4	86-339	
AFR 291	G6636xA117	RADICAL	6	40	1	33	69	5	M	9	3	6	5	4	86-340	
AFR 292	G6592xA487		6	45	1	32	69	.	M	9	8	7	5	3	86-341	
AFR 293	G6592xA487	DARK RED KIDNEY	6	45	1	32	69	.	M	9	8	7	6	4	86-342	
AFR 294	G6592xA487		6	42	1	31	69	.	M	9	9	6	5	3	86-343	
AFR 295	G6592xA487		6	44	1	32	69	.	M	8	8	6	4	3	86-344	
AFR 296	G6592xA487	DARK RED KIDNEY	6	46	1	32	69	.	M	8	8	7	5	4	86-345	
AFR 297	G6592xA487	DARK RED KIDNEY	6	52	1	33	70	.	M	9	2	7	5	4	86-346	
AFR 298	G6592xA487	DARK RED KIDNEY	6	47	1	33	70	.	M	9	3	7	5	4	86-347	
AFR 299	G8043xBAT1222		6M	53	1	34	67	.	M	5	4	6	6	3	86-348	
AFR 300	G8043xBAT1222	CALIMA	6M	56	1	34	68	3	M	6	6	5	6	4	86-349	89
AFR 301	G8043xBAT1222	CALIMA	6M	51	1	33	67	.	M	6	6	5	6	4	86-350	
AFR 302	G8043xBAT1222		6M	53	1	33	71	.	M	6	7	5	6	4	86-351	
AFR 303	G8043xBAT1222	CALIMA	6M	48	1	36	71	.	M	9	7	5	5	3	86-352	
AFR 304	G8043xBAT1222	CALIMA	6M	50	1	34	68	.	M	9	7	5	7	3	86-353	
AFR 305	G8043xBAT1222	CALIMA	6M	49	1	33	66	.	M	9	7	5	7	4	86-354	
AFR 306	G8043xBAT1222	CALIMA	6M	47	1	34	68	.	M	9	6	5	6	3	86-355	
AFR 307	G8043xBAT1222	CALIMA	6M	40	1	35	68	.	M	9	6	5	6	4	86-356	
AFR 308	G8043xBAT1222	CALIMA	6M	52	1	34	68	.	M	9	6	4	6	3	86-357	
AFR 309	G8043xBAT1222	LIGHT RED KIDNEY	5	46	1	33	69	4	N	8	5	7	5	4	86-358	88
AFR 310	G8043xBAT1222	CALIMA	6M	51	1	32	68	.	M	9	7	4	6	3	86-359	
AFR 311	G404xXAN43	ESTRADA	5M	44	2B	37	69	8	N	9	7	7	5	4	86-360	89
AFR 312	G404xXAN43	ESTRADA	5M	43	2B	36	70	5	N	8	8	7	5	4	86-361	89
AFR 313	G13831xXAN43	ESTRADA	5M	51	2B	37	72	6	N	9	5	7	6	4	86-362	89
AFR 314	G13922xG6592	GUALI	6M	41	1	37	72	6	N	9	4	5	5	3	86-363	
AFR 315	G13922xG6592	GUALI	6M	45	2B	38	72	8	N	9	2	7	5	3	86-364	
AFR 316	G13922xG6592	GUALI	6M	38	1	37	72	8	N	9	3	6	6	3	86-365	
AFR 317	G13922xG6592	GUALI	6M	44	1	37	73	8	N	9	6	5	6	3	86-366	
AFR 318	G13922xG6592	GUALI	6M	42	1	35	71	3	N	9	2	6	6	3	86-367	
AFR 319	G13922xG6592	GUALI	6M	42	1	35	73	8	N	9	3	7	6	3	86-368	
AFR 320	G13922xG6592	GUALI	6M	42	1	36	73	8	N	9	4	5	6	4	86-369	
AFR 321	G13922xG6592	TUNDAMA	6M	41	1	36	73	8	N	9	4	6	6	4	86-370	
AFR 322	G13922xG6592	TUNDAMA	6M	40	1	37	73	8	N	9	4	5	6	4	86-371	
AFR 323	G13922xG6592	TUNDAMA	6M	43	1	37	74	3	N	9	3	6	6	4	86-372	
AFR 324	G13922xG6592	GUALI	6M	40	1	37	73	8	N	9	2	7	6	4	86-373	
AFR 325	G6592xBAT1272	TUNDAMA	6M	38	1	37	73	.	M-N	9	4	5	5	6	86-374	
AFR 326	G4450xG8108	GUALI	7M	46	1	33	65	.	N	9	7	5	5	4	86-375	
AFR 327	G13936xA487	BAT 1297	6M	26	2B	36	70	1	N	9	7	5	7	5	86-376	
AFR 328	PVA1032xG4450	ESTRADA	5M	38	2	32	63	.	N	.	.	7	6	5	87-359	
AFR 329	G515xXAN43	ESTRADA	5M	40	2B	34	67	4	N	8	8	6	6	4	87-360	89
AFR 330	G515xXAN43	ESTRADA	5M	40	2B	34	67	.	N	.	7	7	7	3	87-361	
AFR 331	G515xXAN43	ESTRADA	5M	40	2B	34	67	.	N	.	6	8	6	5	87-362	89
AFR 332	G515xXAN43	ESTRADA	5M	42	2A	34	67	.	N	.	5	7	7	5	87-363	89
AFR 333	G515xXAN43	ESTRADA	5M	43	2A	35	67	3	N	8	5	5	6	4	87-364	89

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Pot	BCMV								
AFR 334	G515xXAN43	ESTRADA	5M	44	2	35	67	3	N	8	5	6	6	4	87-365	89	
AFR 335	BAT1769xG11254	ESTRADA	5M	43	2	31	67	.	N-M	.	7	7	6	3	87-366		
AFR 336	PVA1025xXAN42	ESTRADA	5M	40	22	35	70	.	N	.	6	7	6	2	87-367		
AFR 337	G4823xG4017	CARIOCA	2R	24	2	37	67	.	N	.	3	7	5	4	87-254		
AFR 338	G5167xG76	BAYO ANDINO	2	36	2	34	66	.	N	.	7	6	7	4	87-255		
AFR 339	G24218xEMP86	MULATINHO	2	19	2	35	61	.	M-N	.	3	6	6	5	87-256		
AFR 340	G76xZAA55	DUVA	6	61	1	33	74	4	N	8	4	6	6	4	88-478		
AFR 341	G23411xA36	NIMA	6M	46	1	33	76	.	M	8	8	6	6	4	88-594		
AFR 342	PVA992xPVA340	FRIJOLICA P11	6M	46	1	32	74	.	N	8	5	6	5	4	88-553		
AFR 343	PVA1028xPVA1117	BAYO ANDINO	2	46	1	34	76	6	N	8	6	5	6	4	88-177		
AFR 344	G4523xPAI11	POMPADOUR	6	45	1	33	77	.	M	8	8	5	7	4	88-607		
AFR 345	PVA1028xPVA1117	BAYO ANDINO	2	42	1	34	76	8	N	8	7	6	6	5	88-178		
AFR 346	G515xPVA555		6	45	2B	37	76	6	M	8	3	6	7	3	88-602		
AFR 347	G20554xZAA55	LIBORINO	3R	57	2	38	91	8	N-M	9	7	6	7	4	88-388		
AFR 348	G11525xPVA992	CRANBERRY	2M	46	1	33	76	.	N-M	8	6	5	6	5	88-230		
AFR 349	PVA1028xPVA1117	CRANBERRY	2M	48	1	34	78	.	N	8	7	6	7	5	88-231		
AFR 350	G6515xG11826	POMPADOUR	6M	41	2B	37	77	.	M	8	7	5	7	4	88-608		
AFR 351	G76xZAA55	BAYO ANDINO	2	55	1	31	75	6	N	8	8	7	7	3	88-179		
AFR 352	(G8108xG24216)x(G8108xA485)	NIMA	6M	39	1	33	72	8	M-N	8	6	7	5	4	88-595		
AFR 353	G21715xG76	AMARILLO GRANDE	3	55	1	32	75	1	M	9	4	6	7	3	88-268		
AFR 354	G21715xG76	AMARILLO GRANDE	3	53	1	32	74	1	M	9	5	6	7	3	88-269		
AFR 355	G21715xG76	AMARILLO GRANDE	3	52	1	30	73	1	M	9	6	5	8	3	88-270		
AFR 356	(G8108xG24216)x(G8108xBAT1641)	NIMA	6M	39	1	33	74	.	M	8	8	6	7	4	88-596		
AFR 357	G20555xBAT1715	POMPADOUR	6M	46	2B	36	76	.	M	8	8	5	7	4	88-609		
AFR 358	G11300xA487	ESTRADA	5M	46	2B	36	78	3	N	8	9	4	6	5	88-397		
AFR 359	G20555xBAT1715	POMPADOUR	6M	38	2B	33	76	.	M	8	7	5	7	5	88-610		
AFR 360	G4826xXAN42	CRANBERRY	2M	48	2B	34	76	.	N	9	8	6	6	4	88-232		
AFR 361	G21715xXAN43	LIBORINO	3R	46	2B	38	78	8	N	8	5	5	7	3	88-389		
AFR 362	(G8108xG24216)x(S24952xXAN122)	ESTRADA	5M	51	2B	33	80	1	N	8	7	4	7	5	88-398		
AFR 363	VRB81064xBAT1641	HONDURAS 46	6	26	2B	37	74	.	N	8	2	7	7	3	88-548		
AFR 364	VRB81064xBAT1641	HONDURAS 46	6	26	2B	37	74	1	N	8	2	7	7	4	88-549		
AFR 365	G14466xG6384	CRANBERRY	2M	38	2B	32	76	.	N	8	7	5	5	5	88-233		
AFR 366	G5167xG13921		6	44	2B	37	77	.	N	8	7	5	7	4	88-603		
AFR 367	G515xXAN43	CRANBERRY	2M	42	3	36	79	.	N	8	5	4	5	5	88-221		
AFR 368	G5167xG13921	ESTRADA	5	38	1	37	78	8	M	8	2	5	6	5	88-399		
AFR 369	PVA1025xXAN42	ESTRADA	5M	48	2B	33	76	.	N	8	8	6	4	3	88-400		
AFR 370	G21715xXAN43	CRANBERRY	2M	45	2B	33	76	8	N	7	8	6	7	4	88-234		
AFR 371	G14016x(G14016xBAT1220)	POMPADOUR	6M	32	1	33	76	1	N	8	2	5	7	5	88-611		
AFR 372	PVA1225xA197	BAYO ANDINO	2	62	1	30	76	.	M	8	8	6	6	3	88-180		
AFR 373	BAT1769xLIMONE#0-3	GUALI	6M	45	1	33	74	4	N	9	2	5	6	4	88-496		
AFR 374	G15972xG4523	AMARILLO GRANDE	3	45	1	37	78	.	M	8	8	5	6	5	88-271		
AFR 375	G4453xBAT1253	GUALI	6M	51	1	33	74	.	N	9	8	6	6	2	88-497		
AFR 376	G21720xA117	FLOR DE MAYO	5J	37	2B	31	80	3	N	9	2	6	6	5	88-406		
AFR 377	G11300xA487	GUALI	6	47	1	34	74	5	N	9	1	5	6	4	88-498		
AFR 378	CALIMA-2xARGENTINO1	CALIMA	6M	55	1	32	67	.	M	9	7	7	5	3	88-452		
AFR 379	G14016x(G14016xG6415)	FRIJOLICA P11	6	43	1	36	76	8	N	8	4	5	6	5	88-554		
AFR 380	G21718xBAT1449	LIBORINO	3R	49	1	30	70	1	N	8	7	7	7	3	88-390		
AFR 381	(G8108xS24952)x(BAT1297xG12929)	RED KIDNEY	5	51	2B	34	76	8	N	9	7	5	5	4	88-414		
AFR 382	BAT1769xDUVA	DUVA	6	54	1	33	76	.	N	8	8	5	6	3	88-479		
AFR 383	G15972xG4523	AMARILLO GRANDE	3	46	1	37	80	8	M	8	7	5	6	4	88-272		
AFR 384	S25009xPVA1046	RADICAL	6	47	1	31	74	4	N	9	4	6	6	3	88-767		
AFR 385	G4723xBAT1222	CRANBERRY	2M	44	1	32	76	.	M	8	7	7	7	5	88-235		
AFR 386	PVA1225xA197	BAYO ANDINO	2	59	1	30	76	.	M	9	8	5	5	4	88-181		
AFR 387	PVA1426xG6730	ESTRADA	5M	42	1	32	80	6	M	8	9	7	7	4	88-401		
AFR 388	G15972xG4523	AMARILLO GRANDE	3	42	1	33	76	8	M	9	9	6	6	4	88-273		
AFR 389	BAT1769xDUVA	CRANBERRY	2M	53	1	33	80	.	N	8	7	7	7	5	88-236		

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV								
AFR 474	(G4523xA484) x (G4523xBAT1486)	NIMA	6M	41	1	35	62	.	M	.	7	.	6	4	89-354		
AFR 475	G20798xA140	BICO DE OURO	2	21	2A	38	68	.	N	.	7	5	7	5	89-58		
AFR 476	G24512xBAT37	FLOR DE MAYO	5J	31	2B	38	65	.	N	.	8	.	7	7	89-244		
AFR 477	G23412xBAT1220	NEGRO	8	35	3	34	69	.	N	.	5	.	5	6	89-531		
AFR 478	G24238xBAT1764	FLOR DE MAYO	5J	33	2B	39	65	.	N	.	8	.	7	7	89-245		
AFR 479	G8152xPVA1117	JALO/MANTECA	3	41	1	35	66	.	M	.	5	.	4	4	89-206		
AFR 480	G20554xA197	JALO/MANTECA	3	54	1	30	62	.	N-M	.	5	.	4	4	89-205		
AFR 481	G20798xA140	BICO DE OURO	2	21	2A	38	69	.	N	.	1	6	7	6	89-57		
AFR 482	G23411xA197	NIMA	6M	46	1	35	67	.	M	.	7	.	6	3	89-353		
AFR 483	S24990xRI223	OJO DE CABRA	2R	28	2A	40	66	.	N-M	.	1	.	7	7	89-160		
AFR 484	G20798xA140	BICO DE OURO	2	21	2A	38	71	.	N	.	7	4	7	7	89-56		
AFR 485	G20554xXAN122	LIBORINO	3R	44	1	40	69	.	M	.	5	6	3	7	89-224		
AFR 486	G8152xG916	LIBORINO	3R	39	1	39	66	.	M	.	6	7	4	7	89-220		
AFR 487	G23411xRI223	OJO DE CABRA	2R	29	3	39	67	.	N	.	4	3	7	3	89-159		
AFR 488	G12409xPVA773	JALO/MANTECA	3	48	1	35	62	.	N	.	6	8	4	8	89-204		
AFR 489	G4523xA197	POMPADOUR	6M	45	1	34	66	.	M	.	6	6	6	3	89-376		
AFR 490	(G8108xG22454) x (G6515xBAT1209)	POMPADOUR	6M	42	2B	34	66	.	M	.	5	6	5	6	89-377		
AFR 491	G21716xA163	BICO DE OURO	2	22	2B	35	66	.	N	.	2	.	6	7	89-53		
AFR 492	G6499xA189	ESTRADA	5M	43	2B	33	62	.	M	.	7	.	7	3	89-229		
AFR 493	G13051xBAT1225	ZAMORANO	6	25	3	39	63	.	M	.	2	.	5	5	89-491		
AFR 494	G8152xG916	LIBORINO	3R	41	1	37	66	.	M	.	6	8	4	8	89-221		
AFR 495	G20554xBAT1222	LIBORINO	3R	43	1	40	70	.	N	.	6	6	5	6	89-222		
AFR 496	G11239xG21715	ZAMORANO	6	30	3	34	67	.	M	.	5	.	7	4	89-492		
AFR 497	G23411xA154	BICO DE OURO	2	30	1	34	66	.	M	.	5	.	7	4	89-55		
AFR 498	G8152xG916	LIBORINO	3R	38	1	40	69	.	M	.	3	7	4	7	89-223		
AFR 499	S25002xG15972	CHUMBINHO	4	37	3	34	60	.	M	.	6	6	6	4	89-227		
AFR 500	(G24214xG1821) x (CANADIANWONDxXAN122)	ESTRADA	5M	38	2B	.	72	.	M	.	7	5	5	5	89-230		
AFR 501	G24230xA242	CARIOCA	2R	25	2B	41	70	.	M-N	.	5	.	6	4	89-91		
AFR 502	G13051xBAT1225	ZAMORANO	6	24	3	35	63	.	M	.	1	.	6	5	89-490		
AFR 503	G11516xA445	OJO DE CABRA	2R	43	1	35	66	.	N	.	7	5	6	7	89-158		
AFR 504	G20554xXAN122	SUGAR	2M	42	3	38	67	.	M	.	1	5	5	4	89-167		
AFR 505	G21716xA163	BICO DE OURO	2	23	2B	35	63	.	N-M	.	1	.	5	5	89-54		
AFR 506	G13051xBAT1225	ZAMORANO	6	25	3	38	67	.	M	.	2	.	7	6	89-493		
AFR 507	G20554xA154	JALO/MANTECA	3	40	1	34	62	.	M	.	5	.	7	3	89-203		
AFR 508	G4523xA21	POMPADOUR	6M	41	1	34	66	.	M	.	7	.	6	2	89-364		
AFR 509	S24990xBAT1373	POMPADOUR	6M	45	1	38	66	.	M	.	1	.	6	3	89-375		
AFR 510	G4523xPVA721	NIMA	6M	46	1	33	65	.	M	.	7	.	7	3	89-341		
AFR 511	G4523xPVA721	NIMA	6M	44	1	32	63	.	M	.	7	.	6	3	89-342		
AFR 512	S24990xPAD2	POMPADOUR	6M	45	1	32	63	.	N-M	.	6	.	6	3	89-365		
AFR 513	G4523xPAD2	POMPADOUR	6M	39	1	33	61	.	M	.	5	6	6	4	89-362		
AFR 514	G4523xPAD2	POMPADOUR	6M	38	1	34	61	.	N-M	.	6	.	6	3	89-361		
AFR 515	G4523xPAD2	POMPADOUR	6M	37	1	32	61	.	M	.	8	6	6	6	89-363		
AFR 516	G21717xA197	SUGAR	2M	43	1	33	61	.	M	.	3	5	6	5	89-176		
AFR 517	S24952xG23411	SANGRETORO	6	38	1	34	66	.	M	.	2	6	6	3	89-479		
AFR 518	S24990xBAT1222	GUALI	6M	49	1	34	66	.	N-M	.	4	.	7	3	89-305		
AFR 519	S24990xBAT1222	GUALI	6M	49	1	35	67	.	N	.	5	6	7	7	89-304		
AFR 520	G4523xBAT1222	NIMA	6M	44	1	34	66	.	M	.	7	.	5	3	89-340		
AFR 521	G4523xBAT1222	NIMA	6M	45	1	34	65	.	M	.	7	.	7	3	89-343		
AFR 522	G4523xBAT1222	NIMA	6M	45	1	33	65	.	M	.	7	4	7	4	89-344		
AFR 523	PAD29xLIMONE#O-1	POMPADOUR	6M	46	1	34	66	.	M	.	7	.	7	3	89-367		
AFR 524	PVA374xPAD29	ESTRADA	5M	43	1	34	65	.	M	.	1	5	7	6	89-236		
AFR 525	PVA109xPAD29	POMPADOUR	6M	42	1	38	66	.	M	.	7	.	6	3	89-368		
AFR 526	PVA109xPAD29	POMPADOUR	6M	46	1	39	66	.	M-N	.	7	.	6	3	89-372		
AFR 527	PVA109xPAD29	POMPADOUR	6M	44	1	37	66	.	M	.	7	.	7	5	89-373		
AFR 528	S25021xA486	ESTRADA	5M	45	1	31	62	.	M	.	2	6	7	5	89-234		
AFR 529	G4523xMCO251	POMPADOUR	6M	40	1	33	66	.	M	.	4	4	7	6	89-369		

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
AFR 530	G5381xBAT1373	BICO DE OURO	2	36	1	35	66	.	M	.	2	.	6	4	89-60	
AFR 531	S24990xBAT1373	BICO DE OURO	2	45	1	30	62	.	M	.	4	.	7	3	89-61	
AFR 532	G20554xPVA721	POMPADOUR	6M	41	1	34	62	.	M	.	4	6	7	4	89-374	
AFR 533	S25018xA442	NEGRO	8	23	2A	39	62	.	N	.	8	.	7	7	89-532	
AFR 534	S25018xA442	NEGRO	8	24	2A	39	62	.	N	.	8	.	7	7	89-533	
AFR 535	G20554xA252	CARIOCA	2R	26	3	39	66	.	N	.	5	5	5	6	89-93	
AFR 536	G21717xA197	BAYO ANDINO	2	38	1	35	67	.	N	.	3	8	7	7	89-24	
AFR 537	G15416xG76	BICO DE OURO	2	21	2A	38	61	.	N	.	6	.	7	6	89-63	
AFR 538	(MORMAZONxXAN43)x(G6515xXAN43)	ESTRADA	5M	37	2B	34	62	.	N	.	6	8	7	8	89-235	
AFR 539	G4017xXAN160	CARIOCA	2R	28	3	40	66	.	N	.	6	4	5	7	89-94	
AFR 540	PVA1426xA197	BAYO ANDINO	2	43	1	35	67	.	N	.	7	.	6	3	89-23	
AFR 541	PVA1426xA197	BAYO ANDINO	2	43	1	35	67	.	N	.	6	7	7	8	89-25	
AFR 542	PVA880xBAT1426	PIRIRITA	2M	42	1	33	62	.	N	.	1	6	7	4	89-164	
AFR 543	A197xG4807	BAYO ANDINO	2	52	1	30	62	.	N	.	6	8	7	8	89-26	
AFR 544	A197xG4807	BAYO ANDINO	2	46	1	31	66	.	N	.	7	7	6	6	89-27	
AFR 545	PVA782xG4807	POMPADOUR	6M	40	1	34	62	.	N	.	4	6	7	7	89-371	
AFR 546	G24226xPVA993	SANGRETERO	6	48	1	33	66	.	N	.	8	4	7	5	89-480	
AFR 547	G20554xA154	BICO DE OURO	2	23	1	39	69	.	N	.	2	7	7	7	89-62	
AFR 548	(G23411xG17686)x(G23411xA129)	POMPADOUR	6M	39	1	35	70	4	M	.	4	7	7	4	90-313	
AFR 549	S25056xG13936	SUGAR	2M	29	1	31	66	8	M	.	3	7	6	6	90-144	
AFR 550	A197xG76	BAYO ANDINO	2	48	1	32	72	1	N	.	6	5	7	4	90-42	
AFR 551	PVA782xPVA1193	POMPADOUR	6M	44	1	35	75	8	N	.	1	5	5	7	90-314	
AFR 552	S24990xBAT1373	BAYO ANDINO	2	43	1	32	72	.	M	.	3	6	6	5	90-43	
AFR 553	G4523xXAN122	ESTRADA	5M	41	1	30	68	.	M	.	5	6	6	5	90-181	
AFR 554	S24990xPAD2	POMPADOUR	6M	42	1	34	75	4	N	.	3	4	6	3	90-315	
AFR 555	PVA1184x(BAT1386xG20554)	CALIMA	6M	44	1	35	79	8	M	.	1	6	6	7	90-221	
AFR 556	AFR205xG4523	POMPADOUR	6M	38	1	35	72	.	M	.	7	5	7	6	90-316	
AFR 557	AFR205xG23411	FRIJOLICA P11	6M	47	1	35	75	.	N	.	6	6	6	6	90-298	
AFR 558	PVA916xAND372	FRIJOLICA P11	6M	39	1	35	76	8	N	.	3	5	6	6	90-299	
AFR 559	G20841xAND364	FRIJOLICA P11	6M	41	1	35	75	8	N	.	5	7	6	6	90-300	
AFR 560	AFR199xAFR201	SUGAR	2M	50	2A	35	72	5	N-M	.	5	7	7	5	90-145	
AFR 561	AFR159xAFR83	RADICAL	6	30	1	33	72	6	M	.	2	5	7	4	90-361	
AFR 562	AFR185xAFR88	RADICAL	6	40	1	33	72	6	M	.	1	7	4	7	90-362	
AFR 563	G8053xBAT1386	CAFETERO	6M	38	3B	35	81	8	M	.	3	4	6	4	90-351	
AFR 564	T23xA484	CALIMA	6M	42	1	35	74	8	M	.	1	6	6	7	90-222	
AFR 565	T23xA484	CALIMA	6M	34	1	32	67	.	M	.	5	6	5	7	90-223	
AFR 566	PVA5xG12685	ARGENTINO	7	39	1	34	79	.	M	.	3	7	6	5	90-423	
AFR 567	(PVA1156xG76)x(PVA1426xA154)	BAYO ANDINO	2	43	2B	35	83	8	N	.	4	6	6	7	90-44	
AFR 568	S25018xBAT1763	FLOR DE MAYO	5M	31	2B	34	74	4	N	.	1	7	8	8	90-186	
AFR 569	(G23411xG14368)x(G23411xBAT1251)	CALIMA	6M	44	1	35	72	.	N	.	4	5	5	6	90-224	
AFR 570	A140xA240	BICO DE OURO	2	14	2A	37	78	.	N	.	2	6	7	6	90-55	
AFR 571	A484xA197	GUALI	7M	47	1	34	74	.	N-M	.	1	5	4	5	90-425	
AFR 572	T23xA484	CALIMA	6M	37	1	34	70	8	M	.	1	6	7	7	90-225	
AFR 573	S24990x(PAD2xS24990)	CALIMA	6M	46	1	34	69	4	M	.	2	6	5	4	90-226	
AFR 574	G20554x(PAD3xG20554)	CALIMA	6M	44	1	37	83	8	N	.	1	5	4	4	90-227	
AFR 575	(PVA1028xPVA1117)x(G21720xZAA55)	BAYO ANDINO	2	38	1	32	67	5	N	.	3	6	7	6	90-45	
AFR 576	AFR185xAFR82	RADICAL	6	45	1	32	70	3	M	.	1	7	6	5	90-363	
AFR 577	AFR185xAFR82	RADICAL	6	47	1	32	70	.	M	.	8	6	7	5	90-369	
AFR 578	AFR185xAFR88	RADICAL	6	33	1	31	68	3	M	.	1	7	5	4	90-364	
AFR 579	G23411xA486	CALIMA	6M	43	1	35	70	.	M	.	6	5	6	7	90-228	
AFR 580	G4523xA21	POMPADOUR	6M	40	1	34	76	.	M	.	6	6	7	5	90-317	
AFR 581	G4523xPVA721	CALIMA	6M	44	1	32	71	.	M	.	8	5	6	5	90-229	
AFR 582	S24990xPAD2	POMPADOUR	6M	45	1	34	72	4	N	.	4	5	5	2	90-318	
AFR 583	G4523xPAD2	POMPADOUR	6M	40	1	35	78	7	M-N	.	1	6	7	7	90-319	
AFR 584	G4523xPAD2	POMPADOUR	6M	37	1	33	69	6	M	.	4	6	7	6	90-320	
AFR 585	S24990xA197	BAYO ANDINO	2	49	1	33	74	6	N	.	4	6	7	5	90-46	

Line	Cross	Cult. type	Seed			Days to							VEP	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
AFR 642	AFR84xCAL82	SUGAR	2M	39	2A	34	67	5	N	.	1	7	7	3	92-267	
AFR 643	AFR242xAFR169	GUALI	7M	35	2B	35	70	4	N	.	1	5	6	3	92-630	
AFR 644	AND260xA445	OJO DE CABRA	2R	36	2A	35	71	8	N	.	1	6	4	3	92-242	
AFR 645	AND628xA415	OJO DE CABRA	2R	30	2B	39	78	4	N	.	1	5	3	5	92-243	
AFR 646	AFR84xCAL71	PIRIRITA	2R	39	2B	33	69	5	N	.	1	6	5	2	92-261	
AFR 647	G2333x(G2333xMCD2004)	HONDURAS 46	6	.	.	.	.	.	M-N	.	1	8	7	5	92-989	
AFR 648	BAT1373x(PVA563xRUBONA5)	POMPADOUR	6M	42	1	34	71	8	M	.	1	6	6	3	92-489	
AFR 649	BAT1373x(PVA563xRUBONA5)	POMPADOUR	6M	40	1	32	70	8	M	.	1	6	6	3	92-490	
AFR 650	G6592x(G6592xMCM251-1)	SANGRETORO	6	38	1	30	67	4	M	.	1	8	7	3	92-544	
AFR 651	RUBONA5xBAT1373	POMPADOUR	6M	41	1	30	68	4	M	.	1	7	7	3	92-491	
AFR 652	RUBONA5xBAT1373	POMPADOUR	6M	51	1	30	68	4	M	.	1	7	6	3	92-492	
AFR 653	ZPV292xBAT1373	MWEZI MOJA	7M	42	2B	32	71	1	M	.	1	7	6	3	92-639	
AFR 654	CALIMAxG5253	POMPADOUR	6M	33	2B	34	68	4	M	.	1	6	3	2	92-493	
AFR 655	(MUTIKI2x(MUTIKI2x(MCR2516xMUTIKI2)))	CALIMA	6M	44	1	34	71	.	M	.	1	7	4	3	92-388	
AFR 656	(MUTIKI2x(MUTIKI2x(MCR2516xMUTIKI2)))	CALIMA	6M	50	1	34	72	.	M	.	1	7	6	2	92-389	
AFR 657	MUTIKI2x((MUTIKI2xMCR22011)xMUTIKI2)	CALIMA	6M	54	1	32	69	.	M	.	1	7	6	3	92-390	
AFR 658	TM0101x(TM0101xA484)	SANGRETORO	6	38	1	33	69	8	M	.	1	6	7	3	92-545	
AFR 659	G8053xBAT1386	ARGENTINO	7	29	1	31	70	4	M	.	1	6	6	3	92-628	
AFR 660	G21716x(PMX1535xG21716)	PIRIRITA	2R	33	3B	33	76	8	M	.	1	6	7	4	92-262	
AFR 661	NANUMYEREDxMCM2002	ZAMORANO	6	22	2A	34	74	4	O-N	.	2	7	7	6	92-590	
AFR 662	MUTIKIREDxAFR291	SANGRETORO	6	34	3	34	80	.	M	.	1	5	5	3	93-453	
AFR 663	MUTIKIREDxAFR291	RADICAL	6	40	2B	34	80	.	M	.	1	5	5	4	93-428	
AFR 664	A321x((A321xMCM2515)xA321)	CARIOCA	2R	24	3	37	81	.	N	.	1	7	7	6	93-106	
AFR 665	A321x((A321xMCM2515)xA321)	BICO DE OURO	2	32	3	38	88	.	N	.	1	6	6	5	93-84	
AFR 666	EMP81x(A176xG5253)	MULATINHO	2	.	.	55	96	.	N	.	6	7	7	6	93-706	
AFR 667	SUG53x(ZPV292xARGENTINO)	ARGENTINO	7	.	.	49	96	.	M	.	6	5	5	4	93-749	
AFR 668	AND683x(BAT1373xSHIKASHIKE)	SANGRETORO	6	.	.	54	96	.	M	.	7	5	5	3	93-741	
AFR 669	AND683x(BAT1373xSHIKASHIKE)	SANGRETORO	6	.	.	54	96	.	M	.	8	6	6	3	93-742	
AFR 670	AND683x(BAT1373xSHIKASHIKE)	SANGRETORO	6	.	.	54	96	.	M	.	8	5	6	3	93-743	
AFR 671	AND683x(BAT1373xSHIKASHIKE)	SANGRETORO	6	.	.	54	96	.	M	.	7	6	7	3	93-744	
AFR 672	AFR311xA629	OJO DE CABRA	2R	.	.	53	95	.	N	.	1	5	4	7	93-707	
AFR 673	AFR311xA629	OJO DE CABRA	2R	.	.	49	90	.	N	.	1	6	7	7	93-708	
AND 1	G5702xG3366	CRANBERRY	2M	36	4A	.	133	.	M	.	2	8	6	5	85-245	
AND 2	G5702xG3366	CARGAMANTO	2M	36	4A	.	133	.	M	.	2	8	7	5	85-246	
AND 3	G5702xG3445		6	51	4A	.	138	8	M	.	3	9	6	6	85-247	
AND 4	G5702xG2337		2M	50	4A	.	143	.	M-N	.	2	8	6	5	85-248	
AND 5	G5702xG2337	LLANOGRANDE	2M	52	4A	.	143	8	M	.	3	8	7	5	85-249	
AND 6	G5702xG3366	CARGAMANTO	2M	57	4A	.	143	8	M	.	2	9	7	4	85-250	
AND 7	G5702xG3366	CARGAMANTO	2M	53	4A	.	138	.	M	.	1	8	6	5	85-251	
AND 8	G11821xG12488		7	53	4A	.	.	8	M	.	3	9	7	5	85-252	
AND 9	G5702xG12488	CARGAMANTO	2M	56	4A	.	133	8	M	.	2	8	6	4	85-253	
AND 10	G5702xG12488	CARGAMANTO	2M	50	4A	.	.	.	M	.	2	7	6	3	85-254	
AND 11	G5702xG12488	CARGAMANTO	2M	54	3B	.	128	.	M	.	1	8	6	3	85-255	
AND 12	G5702xG12488	CARGAMANTO	2M	50	3B	.	133	.	M	.	1	7	6	3	85-256	
AND 13	G5702xG12488	CARGAMANTO	2M	56	3B	.	133	8	M	.	3	9	7	4	85-257	
AND 14	G5702xG12488	CARGAMANTO	2M	56	3B	.	133	8	M	.	4	7	7	4	85-258	
AND 15	G5702xG12488	CARGAMANTO	2M	53	3B	.	133	8	M	.	4	8	7	4	85-259	
AND 16	G5702xG12488		2M	.	4B	.	.	.	M	.	3	9	.	3	85-260	
AND 17	G5702xG12488		2M	.	4B	.	.	.	M	.	4	8	6	3	85-261	
AND 18	G5702xG12488		2M	.	4B	.	.	.	M	.	4	8	6	3	85-262	
AND 19	G11820xG8216		6	.	4B	.	.	.	M	.	1	9	.	5	85-263	
AND 20	G11820xG8216		6	.	4B	.	.	.	M	.	1	7	.	5	85-264	
AND 21	G11820xG8216		6	.	4B	.	.	.	M	.	2	7	.	5	85-265	
AND 22	G11820xG8216		6	.	4B	.	.	.	M	.	3	9	.	3	85-266	
AND 23	G11820xG8216		6	.	4B	.	.	.	M	.	3	9	.	3	85-267	
AND 24	G11820xG8216		6	.	4B	.	.	.	M	.	1	9	.	3	85-268	

Line	Cross	Cult. type	Seed			Days to					VEF		IB YAN			
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB		ALS	Rust	Yr	Ent
AND 25	G11820xG8216		6		4B				M		3	8		3	85-269	
AND 26	G11820xG12273		6		4B				M		1	9		3	85-270	
AND 27	G11820xG12273		6		4B				M		1	9		3	85-271	
AND 28	G11820xG12273		6		4B				M		1	9		3	85-272	
AND 29	G11820xG12273		6		4B				M		1	8		3	85-273	
AND 30	G11820xG12273		6		4B				M		1	9		5	85-274	
AND 31	G11820xG12273		6		4B				M		1	4		5	85-275	
AND 32	G11820xG12273		6		4B				M		1	3		5	85-276	
AND 33	G11820xG12273		6		4B				M		1	9		5	85-277	
AND 34	G11820xG12273		6		4B				M		2	9		3	85-278	
AND 35	G11820xG12273		6		4B				M		1	7		5	85-279	
AND 36	G11820xG12273		6		4B				M		1	9		3	85-280	
AND 37	G11820xG12273		6		4B				M		1	9		5	85-281	
AND 38	G11820xG12273		6		4B				M		1	9		3	85-282	
AND 39	G11820xG12273		6		4B				M		2	9		5	85-283	
AND 40	G11820xG12273		6		4B				M		1	9		5	85-284	
AND 41	G8171xV79020	CABALLERO	1	40	4B				M		3	9	7	3	85-285	
AND 42	G8171xV79020	CABALLERO	1	42	4A				M		6	9	7	4	85-286	
AND 43	G8171xV79020		1		4B				M		3	9		3	85-287	
AND 44	G8171xV79020		1		4B				M		3	7		5	85-288	
AND 45	G12310xG12379		2						M		2	8		5	85-289	
AND 46	G12310xG12379		2J						M		4	9		3	85-290	
AND 47	G12310xG12379		2J						M		3	9		3	85-291	
AND 48	G12310xG12379		2						M		3	9		3	85-292	
AND 49	G12310xG12379		2M						M		4	9		5	85-293	
AND 50	G12310xG12379		2						M		4	9		3	85-294	
AND 51	G12310xG12379		2						M		4	9		3	85-295	
AND 52	G12443xG12325		6	25	4B				M		6	8	5	6	85-296	
AND 53	G12443xG12325		6		4B				M		3	9		3	85-297	
AND 54	G12443xG12325		3						M		2	9		3	85-298	
AND 55	G12443xG12325		3						M		2	6		5	85-299	
AND 56	G12443xG12325		3						M		2	9		5	85-300	
AND 57	G11820xG12275		6		4B				M		2	9		3	85-301	
AND 58	G11820xG12275		6		4B				M		2	9	8	3	85-302	
AND 59	G11820xG12275		6		4B				M		1	9	7	3	85-303	
AND 60	G11820xG12275		6		4B				M		1	9		5	85-304	
AND 61	G11820xG12275		6		4B				M		1	9		3	85-305	
AND 62	G11820xG12275		6		4B				M		1	7		3	85-306	
AND 63	G11820xG12275		6		4B				M		1	9		3	85-307	
AND 64	G11820xG12275		6		4B				M		3	9		3	85-308	
AND 65	G11820xG12275		6		4B				M		3	9		5	85-309	
AND 66	G11821xG12275		6		4B				M		1	8		3	85-310	
AND 67	G11821xG12275		6	24	4B				M		3	9	7	5	85-311	
AND 68	G15819xG12488		2M		4B				M		3	8		5	85-312	
AND 69	G15819xG12488		2M		4B				M		3	8	5	5	85-313	
AND 70	G15819xG12488		2M		4B				M		4	9	6	5	85-314	
AND 71	G12709xG12488		2M		4B				M		4	9		5	85-315	
AND 72	G12709xG12488		2M		4B				M		5	9		3	85-316	
AND 73	G12709xG12488		2M		4B				M		2	8		3	85-317	
AND 74	G12709xG12488		2M		4B				M		2	9		5	85-318	
AND 75	G12709xG12488		6M		4B				M		5	9		5	85-319	
AND 76	G12709xG12488		4M		4B				M		4	9		5	85-320	
AND 77	G12709xG12488		7M		4B				M		3	8	6	3	85-321	
AND 78	G15819xG12724		1		4B				M		4	8		5	85-322	
AND 79	G11821xG12727		4M	33	3B		128		M		1	9	6	5	85-323	
AND 80	G11821xG3910		6	31	3B		133		M		2	9	6	5	85-324	

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
AND 81	G5702xG2302		6	46	4A		128		M		3	8	6	4	85-325	
AND 82	G5702xG2302		6	44	4A		128		M		2	9	7	4	85-326	
AND 83	G5702xG2302		6	37	4A		128		M		2	9	7	4	85-327	
AND 84	G5702xG3910	CRANBERRY	2M	35	3B		123		M		3	7	7	5	85-328	
AND 85	G5702xG2331	DORE	3	33	4A				M			4	8	3	85-329	
AND 86	G5702xG2331	DORE	3	38	4A				M			4			85-330	
AND 87	G5702xG2331	DORE	4	38	4B				M		5	9	7	5	85-331	
AND 88	G12216xG6435		1						M			5	7	3	85-332	
AND 89	G12216xG6435		1						M-N		1	6	7	5	85-333	
AND 90	G5702xG811	CARGAMANTO	2M	46	3B		123		M		2	7	7	5	85-334	
AND 91	G5702xG811	CARGAMANTO	2M	42	3B		123		M		2	8	6		85-335	
AND 92	G5702xG2331		2M	31	4A				M			4	7	3	85-336	
AND 93	G5702xG2331		2	35	3B		133		M		1	4	6		85-337	
AND 94	G5702xG2331		2	35	3B		128		M-N		1	9	7	7	85-338	
AND 95	G5702xG2331		2	43	3B		128		M		2	8	7	3	85-339	
AND 96	G5702xG2331	LIBORINO	2R	39	3B		128		M		1	8	7		85-340	
AND 97	G5702xG2331	LIBORINO	2R	38	3B		123		M		1	9	7		85-341	
AND 98	G5702xG2331		4M	35	3B		128		M		1	8	6	5	85-342	
AND 99	G5702xG2331	AMARILLO GRANDE	4	40	3B		123		M		2	7	7	7	85-343	
AND 100	G5702xG3366	CARGAMANTO	2M	37	3B		123		M		2	9	7	3	85-344	
AND 101	G5702xG3366	CARGAMANTO	2M	39	3B		123		M		2	9	7	3	85-345	
AND 102	G5702xG3366	CRANBERRY	2M	35	3B		123		M		3	8	6	3	85-346	
AND 103	G5702xG3366	CRANBERRY	2M	34	3B		133		M		1	8	7	5	85-347	
AND 104	G5702xG1098	CRANBERRY	2M	37	3B		123		M		2	8	5	5	85-348	
AND 105	G5702xG1098	CRANBERRY	2M	33	3B		128		M		2	8		3	85-349	
AND 106	G5702xG2337	CARGAMANTO	2M	40	4B				M			9		7	85-350	
AND 107	G952xG8245	SMALL WHITE	1	23	3B		143		M		2	7	6	5	85-351	
AND 108	G5702xG3366	CARGAMANTO	2M	45	3B		123		M		2	9		3	85-352	
AND 109	G5702xG3366	CARGAMANTO	2M		3B		123		M		5	6	5	5	85-353	
AND 110	G5702xG3366	LLANOGRANDE	2M	43	3B		128		M		3	8	7	3	85-354	
AND 111	G5702xG3366	CARGAMANTO	2M	37	4B				M		4	9		3	85-355	
AND 112	G952xG4356	DORE	4	30	3B		128		M		1	6	8	3	85-356	
AND 113	G11817xG4032	CARGAMANTO	2M	52	4A				M		3	8	7	5	85-357	
AND 114	G5702xG3871	CRANBERRY	2M	41	3B		128		M		2	9	6	5	85-358	
AND 115	G5702xG3871	CARGAMANTO	2M	41	3B		118		M		3	7	7	5	85-359	
AND 116	G952xG8245	SMALL WHITE	1	19	3B		133		M		3	7	7	7	85-360	
AND 117	G5702xG12488	CRANBERRY	2M	58	4A		133		M		2	8	6	3	85-361	
AND 118	G5702xG12488	CRANBERRY	2M	57	4A		143		M		6	9	6	3	85-362	
AND 119	G5702xG12488	CRANBERRY	2M	58	4A		143		M		6	8		5	85-363	
AND 120	G5702xG12488		2M		3B				M			8		5	85-364	
AND 121	G5702xG12488	CARGAMANTO	2M	53	3B				M		3	7	6	3	85-365	
AND 122	G5702xG12488	CARGAMANTO	2M	54	3B		133		M		3	7	5	3	85-366	
AND 123	G5702xG12488	CRANBERRY	2M	53	3B		133		M		8	8	6	5	85-367	
AND 124	G5702xG12488	CARGAMANTO	2M	44	3B		133		M		6	7	5	3	85-368	
AND 125	G5702xG12488	CARGAMANTO	2M	51	3B		128		M		4	7	6	7	85-369	
AND 126	G5702xG12488	LLANOGRANDE	2M	64	3B		128	8	M		6	8	6	4	85-370	
AND 127	G5702xG12488	CRANBERRY	2M	53	3B		128	8	M		2	7	7	5	85-371	
AND 128	G5702xG12488	LLANOGRANDE	2M	45	4A		138		M		3	8	7	4	85-372	
AND 129	G5702x(G5702xG5694)		6	43	4A				M		2	8	6	4	85-373	
AND 130	G5702x(G5702xG5694)		2M	42	3B		128		M		2	7	6	5	85-374	
AND 131	G5702x(G5702xG5694)	LLANOGRANDE	2M	49	3B		128		M		1	7	5		85-375	
AND 132	G5702x(G5702xG5694)		4M						M			4			85-376	
AND 133	G5702xG3279	CARGAMANTO	2M	43	3B		118		M		4	7	6	4	85-377	
AND 134	G12720-SELECCION		6M	41	3B		123		M		4	8	7	4	85-378	
AND 135	G5702x(G5702xG5694)		6	42	4A		148		M		2	7	5	6	85-379	
AND 136	G5702x(G5702xG5694)	CRANBERRY	2M	39	4A		128		M		3	9	7	5	85-380	

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Pot	BCMV								
AND 137	G5702xG2641		6	45	4A	.	.	.	M	.	1	9	5	5	85-381		
AND 138	G12727xG7320		6	30	4A	.	138	.	M-N	.	1	8	6	3	85-382		
AND 139	G11817xG5653		6	28	3B	.	.	.	M	.	1	8	6	5	85-383		
AND 140	G5701xG3872		6	.	.	.	.	.	M	.	.	5	.	5	85-384	
AND 141	G5701xG3872		6	26	3B	.	138	.	M	.	1	8	4	3	85-385		
AND 142	G11817xG5653		6	36	4A	.	148	.	M	.	2	7	6	5	85-386		
AND 143	G12727xG7320		6	25	3B	.	128	.	M	.	2	9	6	5	85-387		
AND 144	G11819xG5694		4M	30	4B	.	.	.	N	.	.	8	.	5	85-388		
AND 145	G11817xG2545		6	40	4A	.	143	.	M	.	6	4	6	5	85-389		
AND 146	G11817xG5653		6	36	4A	.	.	.	M	.	1	8	6	3	85-390		
AND 147	G11817xG5653		6	48	4B	.	.	.	M	.	1	9	6	3	85-391		
AND 148	G5702xG2412	CRANBERRY	2M	26	4A	.	133	.	M	.	2	9	6	5	85-392		
AND 149	G5702xG1060	CRANBERRY	2M	39	4A	.	130	.	M	.	2	9	5	4	85-393		
AND 150	G5702xG5653	CRANBERRY	2M	32	3B	.	120	.	M	.	1	8	5	5	85-394		
AND 151	G11817xG5653		6	40	4A	.	.	.	M	.	2	9	6	3	85-395		
AND 152	G11817xG2540	GREAT NORTHERN	1	30	3B	.	133	.	M	.	2	7	.	.	85-396		
AND 153	G11817xG2540		6	50	4A	.	133	8	M	.	2	8	6	5	85-397		
AND 154	G5702x(G5702xG5694)	LLANOGRANDE	2M	45	3B	.	128	.	N	.	1	8	7	5	85-398		
AND 155	G5702x(G5702xG5694)	CARGAMANTO	2M	46	3B	.	.	.	M-N	.	1	8	5	3	85-399		
AND 156	G5702x(G5702xG5694)	CARGAMANTO	2M	42	3B	.	128	.	N	.	2	9	5	5	85-400		
AND 157	G5653xG5694		6	25	3B	.	138	.	N-M	.	2	9	5	3	85-401		
AND 158	G2525xG2641	CHUMBINHO	4	25	3B	.	128	.	N-M	.	1	9	7	5	85-402		
AND 159	G731xG3872	BICO DE OURO	2	22	3B	.	123	.	N	.	2	9	6	3	85-403		
AND 160	G5702xG3366	CRANBERRY	2M	35	3B	.	128	.	M	.	2	8	6	4	85-404		
AND 161	G5702xG3366	CARGAMANTO	2M	36	3B	.	128	.	M	.	2	8	5	3	85-405		
AND 162	G952xG8245	SMALL WHITE	1	18	3B	.	143	.	M	.	1	8	7	5	85-406		
AND 163	G5653xG3872		6	25	4A	.	128	.	M	.	1	9	5	3	85-407		
AND 164	G11821xG12727		6	38	4A	.	133	.	M	.	2	9	7	4	85-408		
AND 165	G11821xG12727		6	32	4A	.	133	.	M	.	3	8	6	3	85-409		
AND 166	G5702xG12727		6	31	4A	.	133	.	M	.	1	9	7	5	85-410		
AND 167	G5702xG12727		6	35	3B	.	128	.	M	.	3	9	7	5	85-411		
AND 168	G5702xG2371	CARGAMANTO	2M	38	4A	.	138	.	M	.	2	7	5	5	85-412		
AND 169	G5702xG2371	CARGAMANTO	2M	47	3B	.	133	.	M	.	3	7	7	5	85-413		
AND 170	G5702xG3912		6	35	4A	.	128	.	M	.	3	9	7	6	85-414		
AND 171	G5702xG3912		6	38	4A	.	128	.	M	.	4	7	7	7	85-415		
AND 172	G5702xG3912		6	35	3B	.	133	.	M	.	1	9	7	5	85-416		
AND 173	G2371xV79018		6	30	4A	.	133	8	M	.	7	9	7	6	85-417		
AND 174	G2371xV79018		6	29	4A	.	128	8	M	.	7	9	7	5	85-418		
AND 175	G2371xV79018		6	28	4A	.	128	7	M	.	7	9	7	6	85-419		
AND 176	G3910xV79020		6	24	3A	.	128	.	M	.	2	9	7	7	85-420		
AND 177	G3910xV79020	MEXICO 80	6	23	3B	36	68	.	M	7	2	9	7	3	85-421		
AND 178	G3910xV79020	MEXICO 80	6	23	3B	38	71	.	M	7	1	9	6	3	85-422		
AND 179	G3910xV79020	MEXICO 80	6	22	3B	40	76	.	M	8	1	9	5	3	85-423		
AND 180	G7230xG2016		6	33	3B	.	133	.	M	.	2	7	8	3	85-424		
AND 181	G7230xG2016		6	29	3B	.	133	.	M	.	3	9	8	5	85-425		
AND 182	G2016xG13936	ZAMORANO	6	23	3	36	68	.	M	7	1	9	6	5	85-426		
AND 183	G7230xG2016	ZAMORANO	6	25	3	37	68	.	M	8	2	9	6	5	85-427		
AND 184	G7230xG2016	ZAMORANO	6	26	3	36	68	.	M	8	2	8	6	5	85-428		
AND 185	G7230xG2016	ZAMORANO	6	27	3	36	68	.	M	8	2	8	6	5	85-429		
AND 186	G7230xG2016		6	31	3B	.	128	.	M	.	1	9	8	5	85-430		
AND 187	G2016xV79018		6	28	3B	.	128	.	M	.	2	9	7	5	85-431		
AND 188	G2016xV79018		6	26	3B	.	128	.	M	.	2	9	7	3	85-432		
AND 189	G2025xG13936		6	26	3B	.	128	.	M	.	2	9	7	3	85-433		
AND 190	G2025xG13936	ROJO DE SEDA	6	24	4	40	73	.	M	8	1	9	6	5	85-434		
AND 191	G2025xG13936	ZAMORANO	6	23	3B	39	73	.	M	8	1	9	7	5	85-435		
AND 192	G7128xV79018		6	26	3B	.	128	.	M	.	2	9	7	5	85-436		

Line	Cross	Cult. type	Seed			Days to					VRF	IB				
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
AND 193	G12727xV7917		6	29	3B	.	128	8	M	.	1	9	8	5	85-437	
AND 194	G12727xV7917		6	30	3B	.	128	8	M	.	2	9	8	5	85-438	
AND 195	G12727xV79018		6	27	3B	.	128	8	M	.	2	9	7	5	85-439	
AND 196	G12727xV79020		6	26	4A	.	128	8	M	.	2	9	7	5	85-440	
AND 197	G12727xV79020		6	24	4A	.	128	.	M	.	2	9	8	3	85-441	
AND 198	G12727xV79020		2	27	3B	.	123	.	N	.	1	6	7	5	85-442	
AND 199	G3910x(V79018x4A)		6	33	3B	.	128	8	M	.	2	7	8	6	85-443	
AND 200	G3910x(V79018x4A)		6	31	3B	.	128	8	M	.	1	8	8	8	85-444	
AND 201	G2371xV79018		6	28	3B	.	133	.	M	.	2	9	8	3	85-445	
AND 202	G7233xV79018		6	29	4A	.	128	.	M	.	1	9	5	5	85-446	
AND 203	G7233xV79018	CALIMA	6M	34	3B	.	.	.	M	.	3	9	7	3	85-447	
AND 204	G12488xV79018		5M	28	3B	.	113	.	M-N	.	2	9	7	5	85-448	
AND 205	G12727xV7917	CRANBERRY	2M	27	3B	.	118	.	N	.	2	9	7	3	85-449	
AND 206	G12727xV7917	CRANBERRY	2M	26	3B	.	118	.	M	.	2	9	7	3	85-450	
AND 207	G12727xV7917	CRANBERRY	2M	24	3B	.	118	.	M	.	2	8	7	3	85-451	
AND 208	G12727xV7917		6	25	3B	.	128	.	N	.	2	9	7	5	85-452	
AND 209	G12727xV7917	CRANBERRY	2M	23	3B	.	118	.	M	.	1	9	7	5	85-453	
AND 210	G5702xG12727	CARGAMANTO	2M	46	4A	.	123	.	M	.	2	9	5	3	85-454	
AND 211	G5702xG12727	CRANBERRY	2M	31	3B	.	113	.	M	.	2	9	5	3	85-455	
AND 212	G5702xG811	CARGAMANTO	2M	44	4A	.	128	.	M	.	2	8	6	5	85-456	
AND 213	G5702xG811		2M	.	4A	.	153	.	M	.	2	8	5	5	85-457	
AND 214	G5702xG811	CARGAMANTO	2M	43	4A	.	133	.	M	.	1	8	5	3	85-458	
AND 215	G5702xG811	LLANOGRANDE	2M	64	4A	.	138	8	M	.	3	9	5	3	85-459	
AND 216	G5702xG12488	CARGAMANTO	2M	55	3B	.	128	8	M	.	4	8	6	5	85-460	
AND 217	G5702xG12488	LLANOGRANDE	2M	69	3B	.	128	8	M	.	5	7	6	4	85-461	
AND 218	G5702xG12488	CRANBERRY	2M	54	3B	.	128	.	M	.	5	7	6	3	85-462	
AND 219	G5702xG12488	CARGAMANTO	2M	54	4B	.	.	.	M	.	1	7	5	5	85-463	
AND 220	G5702xG12488	CRANBERRY	2M	52	4A	.	148	8	M	.	4	7	6	5	85-464	
AND 221	G5702xG12488	CRANBERRY	2M	50	4A	.	153	8	M	.	4	8	6	5	85-465	
AND 222	G5702xG12488	CRANBERRY	2M	51	4A	.	138	8	M	.	4	8	5	4	85-466	
AND 223	G5702xG12488	LLANOGRANDE	2M	45	3B	.	133	.	M	.	3	8	6	3	85-467	
AND 224	G5702xG12488	CARGAMANTO	2M	52	3B	.	133	8	M	.	6	8	6	4	85-468	
AND 225	G5702xG12488	CARGAMANTO	2M	50	4A	.	153	8	M	.	7	8	5	4	85-469	
AND 226	G5702xG12488	CARGAMANTO	2M	56	4B	.	.	7	M	.	7	8	6	5	85-470	
AND 227	G5702xG12488	CARGAMANTO	2M	61	4A	.	133	8	M	.	7	8	7	5	85-471	
AND 228	G5702xG12488	CARGAMANTO	2M	52	4A	.	133	8	M	.	2	8	7	3	85-472	
AND 229	G5702xG12488	CARGAMANTO	2M	55	4A	.	153	8	M	.	4	9	7	5	85-473	
AND 230	G5702xG12488	LLANOGRANDE	2M	69	4B	.	.	.	M	.	5	8	6	3	85-474	
AND 231	G5702xG12488	LLANOGRANDE	2M	54	4A	.	133	8	M	.	6	7	7	4	85-475	
AND 232	G5702xG12488	LLANOGRANDE	2M	49	4A	.	128	.	M	.	4	6	7	5	85-476	
AND 233	G5702xG2641	CRANBERRY	2M	34	3B	.	128	.	M	.	3	7	6	3	85-477	
AND 234	G5702xG2641	CRANBERRY	2M	35	3B	.	153	.	M	.	2	7	6	3	85-478	
AND 235	G5702xG3910	CRANBERRY	2M	34	3B	.	118	.	M	.	2	8	7	5	85-479	
AND 236	G811xG714	PINTO	2M	32	3B	.	128	.	M	.	2	9	6	7	85-480	
AND 237	G811xG714	PINTO	2M	30	3B	.	113	.	M	.	2	9	5	7	85-481	
AND 238	G811xG714	PINTO	2M	32	3B	.	113	.	N-M	.	1	8	6	5	85-482	
AND 239	G7230xG2641		6	37	4A	.	133	.	M	.	8	9	6	5	85-483	
AND 240	G7230xG2641		6	36	4A	.	143	.	M	.	7	9	6	4	85-484	
AND 241	G7230xG2641		6	34	4A	.	143	.	M	.	4	9	6	5	85-485	
AND 242	G2371xG13936	PINTO	2M	27	3B	.	113	.	M	.	2	9	7	5	85-486	
AND 243	G5702xG2331	DORE	3	44	4A	.	153	.	M	.	4	8	8	5	85-487	
AND 244	G5702xG2331	DORE	3	44	4A	.	148	.	M	.	3	9	8	5	85-488	
AND 245	G5702xG6435	DORE	3	36	4B	.	148	.	M	.	2	6	7	4	85-489	
AND 246	G12216xG12488	DORE	3	31	3B	.	148	.	M	.	1	6	7	3	85-490	
AND 247	G5702xG2331		3M	35	4A	.	148	.	M	.	1	6	7	5	85-491	
AND 248	G2016xG13936		6	26	3B	.	128	.	M	.	3	9	7	5	85-492	

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
AND 249	G2025xG13936		6	25	3B	.	123	.	M	.	1	9	6	3	85-493	
AND 250	G12727xV7917		6	34	3B	.	123	.	M	.	3	9	6	6	85-494	
AND 251	G12727xV7917		6	28	3B	.	123	.	M	.	2	9	7	3	85-495	
AND 252	G12727xV7917		6	36	3B	.	123	.	M	.	4	9	7	4	85-496	
AND 253	G2371xV79018		6	24	3B	.	128	8	M	.	3	9	7	7	85-497	
AND 254	G2371xV79018		6	24	3B	.	128	8	M	.	2	9	7	6	85-498	
AND 255	G3410xB79018	CANARIO	2	33	3B	.	113	.	M	.	1	9	8	3	85-499	
AND 256	G7233xV79018	CARGAMANTO	2M	53	4A	.	138	8	M	.	5	7	7	7	85-500	
AND 257	G12488xV79018	CRANBERRY	2M	33	4A	.	153	.	M	.	2	8	7	6	85-501	
AND 258	G12727xV7917	CRANBERRY	2M	36	3B	.	128	.	M	.	2	9	6	5	85-502	
AND 259	G21720xA117	ARGENTINO	7	41	1	35	71	.	N	5	5	9	3	5	85-503	
AND 260	G11300xA487	ESTRADA	5M	45	2	35	68	6	N	9	5	6	4	5	85-504	
AND 261	G11300xA487	DARK RED KIDNEY	6	45	1	33	73	4	M	9	3	6	5	4	85-505	
AND 262	G11300xA487	DARK RED KIDNEY	6	45	1	33	73	3	M	8	6	6	6	4	85-506	
AND 263	G12280xBAT1209	RED KIDNEY	5	44	1	31	67	.	N	5	3	7	4	3	85-507	87
AND 264	G12280xBAT1209		4M	39	1	33	68	.	N	6	1	6	4	5	85-508	
AND 265	G4453xG4717	CALIMA	6M	41	2	38	77	6	M	9	7	6	5	5	85-509	
AND 266	G4453xG4717	NIMA	6M	30	1	35	67	.	M	7	6	8	4	3	85-510	
AND 267	G4453xG4717	CALIMA	6M	40	2	38	77	8	M-N	9	7	7	6	3	85-511	
AND 268	G4453xBAT1386	CALIMA	6M	33	1	36	68	.	M	5	8	7	6	3	85-512	
AND 269	G4453xBAT1386	NIMA	6M	40	1	36	71	.	M	5	8	6	5	5	85-513	
AND 270	G4453xBAT1386	CALIMA	6M	41	1	36	68	.	M	5	7	7	5	3	85-514	
AND 271	G4453xBAT1386	CALIMA	6M	36	1	36	71	.	M	5	9	7	6	3	85-515	
AND 272	G13922xBAT1581	FRIJOLICA P11	6M	41	1	38	77	8	N	9	6	7	5	5	85-516	87
AND 273	G13922xBAT1581	FRIJOLICA P11	6M	42	1	37	76	6	N	9	5	7	5	5	85-517	87
AND 274	G21720xBAT1386	NIMA	6M	36	1	34	68	.	M	6	4	7	5	3	85-518	
AND 275	G21720xBAT1386	NIMA	6M	36	1	35	66	.	M	6	6	7	4	3	85-519	
AND 276	G4452xBAT1386	FRIJOLICA P11	6M	49	1	36	75	.	M	9	4	8	7	5	85-520	
AND 277	G21720xBAT1386	CALIMA	6M	43	1	36	75	6	M	9	4	6	6	3	85-521	
AND 278	G21720xBAT1386	CALIMA	6M	46	1	36	71	8	M	9	4	5	5	5	85-522	
AND 279	G21720xBAT1386	CALIMA	6M	46	1	37	73	8	M	9	6	5	6	4	85-523	
AND 280	G21720xBAT1386	CALIMA	6M	46	1	36	74	8	M	9	4	7	6	4	85-524	
AND 281	G21720xBAT1386	CALIMA	6M	47	1	37	73	.	M	4	4	7	5	3	85-525	
AND 282	G21720xBAT1386	NIMA	6M	34	1	40	73	.	M	5	3	6	4	5	85-526	
AND 283	G21720xBAT1386	NIMA	6M	33	1	40	71	.	M	6	4	6	4	3	85-527	
AND 284	G21720xBAT1386	NIMA	6M	31	1	37	71	.	M	6	3	7	4	5	85-528	
AND 285	G4453xBAT1386	TUNDAMA	6M	34	1	37	73	.	M	6	8	6	6	5	85-529	
AND 286	G4453xBAT1386	CALIMA	6M	46	1	36	71	8	M	9	3	6	7	3	85-530	
AND 287	G4453xBAT1386	CALIMA	6M	33	1	37	75	.	M	5	7	7	5	5	85-531	
AND 288	G4453xBAT1386	POMPADOUR	6M	37	1	36	75	.	M	6	7	7	5	3	85-532	
AND 289	G13922xBAT1581	FRIJOLICA P11	6M	39	1	37	75	3	N	9	5	7	5	4	85-533	
AND 290	G13922xBAT1581	FRIJOLICA P11	6M	30	1	37	73	.	N	5	4	4	5	3	85-534	
AND 291	G4452xBAT1386	CALIMA	6M	49	1	35	73	6	M	9	3	6	6	3	85-535	
AND 292	G4452xBAT1386	TUNDAMA	6M	50	1	36	73	1	M	5	4	7	6	3	85-536	
AND 293	G4452xBAT1386	TUNDAMA	6M	45	1	35	82	J	M	5	4	6	6	5	85-537	
AND 294	G12531xBAT1274	TUNDAMA	6M	43	1	35	71	8	M	9	3	6	6	4	85-538	
AND 295	G4494xBAT1582	GUALI	7M	40	1	34	75	.	N	6	7	6	5	3	85-539	
AND 296	G4494xBAT1582	MWEZI MOJA	7M	45	1	33	76	6	N	9	8	7	5	4	85-540	
AND 297	G4494xBAT1582	GUALI	6M	42	1	37	77	8	N	9	7	7	5	4	85-541	
AND 298	G4494xBAT1582	GUALI	7M	40	1	35	75	6	N	9	4	6	6	4	85-542	
AND 299	G22147xG6415	BAYO MEXICANO	2	50	1	33	68	3	N	9	8	8	6	5	85-543	
AND 300	ICA10009xG3710	BAYO MEXICANO	2	43	1	33	68	3	N	9	3	7	5	5	85-544	
AND 301	ICA10009xG3710	BAYO MEXICANO	2	45	1	33	67	.	N	6	3	7	6	5	85-545	
AND 302	G6379xG6415	BAT 1297	7J	38	2	41	75	3	N	5	2	9	6	5	85-546	
AND 303	G4453xG14013	CALIMA	6M	43	1	36	73	8	M	9	4	6	4	4	85-547	
AND 304	G4453xG14013	CALIMA	6M	46	1	36	73	6	M	9	3	5	6	7	85-548	

Line	Cross	Cult. type	Seed			Days to										VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr			Ent	YAN
AND 305	G4453xG14013	CALIMA	6M	46	1	36	75	6	M	9	3	5	6	5	85-549		
AND 306	G4494xG14013	CALIMA	6M	45	1	36	81	.	N	5	3	5	6	5	85-550		
AND 307	G4494xG14013	GUALI	6M	50	1	37	80	8	N	9	3	6	6	4	85-551		
AND 308	G4494xG14013	GUALI	6M	47	1	36	75	8	N	9	5	6	6	3	85-552	87	
AND 309	G4494xG14013	GUALI	6M	44	1	36	73	3	N	9	7	6	6	5	85-553		
AND 310	G4494xG14013	GUALI	6M	45	1	36	75	.	N	5	3	6	7	5	85-554		
AND 311	G4453xG14013	GUALI	6M	43	1	38	75	8	N	9	4	5	7	3	85-555		
AND 312	G4453xG14013	FRIJOLICA P11	6M	47	1	37	73	6	N	9	3	5	5	4	85-556	87	
AND 313	G4453xBAT1276	CALIMA	6M	49	1	38	73	8	M	9	6	6	5	5	85-557		
AND 314	G4453xBAT1276	CALIMA	6M	47	1	38	73	6	M	9	7	7	5	4	85-558		
AND 315	G4453xBAT1276	CALIMA	6M	48	1	37	73	7	M	8	8	6	4	4	85-559		
AND 316	G4453xBAT1276		6M	48	1	37	73	7	M	9	7	5	5	4	85-560		
AND 317	G4453xBAT1276	GUALI	6M	45	1	37	75	8	N	9	6	5	5	4	85-561		
AND 318	G4453xBAT1276	FRIJOLICA P11	6M	44	1	36	75	.	N	5	7	5	5	5	85-562		
AND 319	G4453xBAT1276	GUALI	6M	46	1	36	77	6	N	9	7	6	5	4	85-563	87	
AND 320	G4453xBAT1276	GUALI	6M	45	1	37	79	6	N	9	7	6	5	4	85-564	87	
AND 321	PVA556xBAT1715	TUNDAMA	6M	41	1	34	68	.	M	6	5	5	5	5	85-565		
AND 322	PVA556xBAT1715	FRIJOLICA P11	6M	43	1	36	79	8	N	9	4	4	5	4	85-566		
AND 323	PVA556xBAT1715	FRIJOLICA P11	6M	40	1	36	75	8	N	9	3	6	5	4	85-567		
AND 324	PVA556xBAT1715	FRIJOLICA P11	6M	41	1	41	77	.	N	5	3	4	5	3	85-568	87	
AND 325	ICA154441-SELECCION	GUALI	6M	40	1	36	75	.	N	5	4	4	6	3	85-569	87	
AND 326	ICA154562-SELECCION	FRIJOLICA P11	6M	44	1	34	68	8	N	9	3	6	6	5	85-570	87	
AND 327	ICA154412-SELECCION	FRIJOLICA P11	6M	44	1	36	73	8	N	9	2	6	5	5	85-571		
AND 328	ICA154412-SELECCION	FRIJOLICA P11	6M	44	1	36	75	8	N	9	3	4	6	5	85-572	87	
AND 329	ICA154412-SELECCION	FRIJOLICA P11	6M	32	1	36	73	.	N	4	2	5	5	5	85-573		
AND 330	ICA154461-SELECCION	FRIJOLICA P11	6M	39	1	36	77	.	N	4	3	6	6	3	85-574		
AND 331	ICA154461-SELECCION	FRIJOLICA P11	6M	42	1	36	77	8	N	9	4	6	6	3	85-575		
AND 332	ICA151901-SELECCION	NAVY	1	20	2	42	75	1	N	9	6	8	6	5	85-576		
AND 333	ICA151901-SELECCION	NAVY	1	19	2	41	75	1	N	9	5	8	7	8	85-577		
AND 334	G13922xG6592	DARK RED KIDNEY	6	38	1	33	66	.	M	5	3	5	5	3	85-578		
AND 335	G21720xBAT1386	CALIMA	6M	41	1	36	72	.	M	4	3	5	6	3	85-579		
AND 336	G4453xG3710	GUALI	6M	47	1	36	73	6	N	9	3	5	6	4	85-580		
AND 337	G4453xG14013	GUALI	6M	44	1	36	71	6	N	9	7	6	6	3	85-581		
AND 338	G4453xG14013	GUALI	6M	42	1	37	73	.	N	4	5	5	7	3	85-582		
AND 339	G4453xBAT1276	FRIJOLICA P11	6M	47	1	37	73	.	N	4	3	6	6	3	85-583		
AND 340	G4453xBAT1276	CALIMA	6M	45	1	37	73	6	N	9	3	6	6	5	85-584		
AND 341	G4453xBAT1276		7M	49	1	36	73	6	N	9	7	7	5	5	85-585	87	
AND 342	G4453xBAT1276	FRIJOLICA P11	6M	47	1	36	75	6	N	9	3	6	7	5	85-586		
AND 343	G12666xBAT1274	FRIJOLICA P11	6M	41	1	37	75	8	N	9	3	6	7	3	85-587		
AND 344	G12670xBAT1276	FRIJOLICA P11	6M	43	1	35	73	.	N	4	6	7	3	3	85-588		
AND 345	BAT1276xG12666		5M	37	1	36	77	.	N	4	7	8	4	5	85-589		
AND 346	G14016xBAT1276	FRIJOLICA P11	6M	40	1	36	77	6	N	9	6	7	5	5	85-590		
AND 347	G7179xBAT1222	GUALI	7M	43	1	33	73	.	N	6	7	6	6	5	85-591		
AND 348	G7179xBAT1222	MWEZI MOJA	7M	44	1	34	76	.	N	5	6	7	3	5	85-592		
AND 349	G4453xG4717	CALIMA	6M	44	2	38	77	8	M	9	8	6	7	3	85-593		
AND 350	G21720xBAT1386	CALIMA	6M	40	1	35	68	.	M	5	4	8	6	5	85-594		
AND 351	G21720xBAT1386	NIMA	6M	35	1	35	68	6	M	9	5	6	6	4	85-595		
AND 352	G21720xBAT1386	CALIMA	6M	47	1	36	73	8	M	9	5	6	6	4	85-596		
AND 353	G21720xBAT1386	TUNDAMA	6M	37	1	38	71	.	M	5	4	7	4	5	85-597		
AND 354	G21720xBAT1386	TUNDAMA	6M	40	1	34	67	.	M	6	7	7	5	3	85-598		
AND 355	G4453xBAT1386	TUNDAMA	6M	33	1	35	67	.	M	6	7	6	5	3	85-599		
AND 356	G4453xBAT1386	CALIMA	6M	42	1	36	68	.	M	5	8	6	4	3	85-600		
AND 357	G4453xBAT1386	TUNDAMA	6M	41	1	35	73	.	M	6	4	6	6	3	85-601		
AND 358	G4453xBAT1386	POMPADOUR	6M	39	1	36	73	.	M	4	8	6	5	3	85-602		
AND 359	G13922xBAT1581	FRIJOLICA P11	6M	43	1	37	75	8	N	9	3	6	5	3	85-603		
AND 360	G4452xBAT1386	FRIJOLICA P11	6M	42	1	36	73	.	M	6	3	7	7	3	85-604		

Line	Cross	Cult. type	Seed			Days to										VEF	IB
			col.	Wt	Hab	F1	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr			Ent	YAN
AND 361	G4452xBAT1386	CALIMA	6M	49	1	35	75	3	M	9	4	6	7	5	85-605		
AND 362	G4452xBAT1386	TUNDAMA	6M	43	1	35	77	.	M	5	6	6	5	5	85-606		
AND 363	G4453xG4017	CARLOCA	4R	37	1	44	75	8	N-M	9	3	9	5	7	85-607		
AND 364	G4494xBAT1582	CALIMA	6M	45	1	38	77	8	N	9	5	5	4	4	85-608		
AND 365	G4494xBAT1582	FRIJOLICA P11	7M	38	1	36	73	.	N	5	3	6	6	5	85-609		
AND 366	G22147xG6415	LIGHT RED KIDNEY	5	55	1	32	67	.	N	6	7	6	5	5	85-610	87	
AND 367	G22147xG6415		7	54	1	33	73	.	N	5	4	6	3	3	85-611	87	
AND 368	G6379xG6415		7J	34	2	38	71	.	N	5	4	9	7	5	85-612		
AND 369	G4453xG14013	CALIMA	6M	48	1	36	75	3	M	9	3	6	5	3	85-613		
AND 370	G4494xG14013	GUALI	6M	44	1	36	73	4	N	9	2	5	5	4	85-614		
AND 371	G12670xG13922	GUALI	6M	43	1	36	68	.	N	5	7	5	6	3	85-615		
AND 372	G4453xG14013	GUALI	6M	42	1	36	73	.	N	5	7	4	7	3	85-616		
AND 373	G4453xBAT1276	GUALI	6M	19	1	36	68	.	N	5	7	7	6	3	85-617		
AND 374	G21720xA117	CALIMA	6M	49	1	38	73	.	M	9	8	5	5	4	85-618		
AND 375	PVA556xBAT1715	TUNDAMA	6M	40	1	35	68	.	M	5	4	6	5	5	85-619		
AND 376	G21720xA117	CALIMA	6M	48	1	32	67	.	M	9	2	6	5	3	86-247		
AND 377	G11300xA487	DARK RED KIDNEY	6	48	1	34	72	.	M	9	.	5	5	3	86-248		
AND 378	G11300xA487	ESTRADA	5M	45	2B	35	69	8	N	9	3	7	5	5	86-249		
AND 379	V78044-11xVIII7007-1-11	HONDURAS 46	6	24	2B	34	69	.	N	9	1	8	7	7	86-118		
AND 380	G4897xER5033-4	ZAMORANO	6	26	3	33	71	.	M	9	7	7	6	6	86-119		
AND 381	G4897xER5033-4	ZAMORANO	6	24	2B	37	72	.	M	8	6	7	6	4	86-120		
AND 382	V79020-12xVIII7004-1-12	ZAMORANO	6	25	3	38	74	8	N	8	3	7	6	7	86-121	88	
AND 383	V79020-12xVIII7004-1-12		6	24	4A	42	76	.	M	.	2	6	3	6	86-986		
AND 384	G12488xV79018	CRANBERRY	2M	29	3A	73	135	.	N-M	.	2	6	6	5	86-992		
AND 385	G5702xG12488	CRANBERRY	2M	52	4A	70	135	8	M	.	6	6	6	4	86-993		
AND 386	G5702xG729	GREAT NORTHERN	1	31	4A	63	135	.	M	.	2	7	5	4	86-994		
AND 387	G952xG8245		1	27	4A	66	135	8	M	.	2	7	6	3	86-995		
AND 388	G952xG8245	SMALL WHITE	1	23	4A	66	135	.	M	.	2	6	6	4	86-996		
AND 389	G952xG8245	SMALL WHITE	1	22	4A	70	135	.	M	.	2	6	6	4	86-997		
AND 390	G952xG8245	SMALL WHITE	1	24	4A	66	135	.	M	.	2	6	6	4	86-998		
AND 391	G952xG8245	SMALL WHITE	1	25	4A	66	135	.	M	.	2	6	6	4	86-999		
AND 392	G952xG8245	SMALL WHITE	1	22	4A	73	135	.	M	.	2	7	6	4	86-1000		
AND 393	G952xG8245	SMALL WHITE	1	24	4A	73	135	.	M	.	1	6	7	3	86-1001		
AND 394	G952xG8245	SMALL WHITE	1	24	4A	76	135	.	M	.	1	7	6	7	86-1002		
AND 395	G952xG8245	GREAT NORTHERN	1	27	4A	73	135	.	M	.	1	6	5	6	86-1003		
AND 396	G952xG8245	SMALL WHITE	1	24	4A	73	135	.	M	.	3	7	4	7	86-1004		
AND 397	G952xG8245	GREAT NORTHERN	1	27	3A	70	135	.	M	.	1	7	5	6	86-1005		
AND 398	G952xG8245	SMALL WHITE	1	23	3A	73	135	.	M	.	1	6	5	6	86-1006		
AND 399	G952xG8245	SMALL WHITE	1	20	4A	76	135	.	M	.	1	7	4	7	86-1007		
AND 400	G952xG4356	CANARIO	3	30	4A	63	135	.	M	.	1	7	5	6	86-1008		
AND 401	G952xG4356	CANARIO	3	30	4A	63	135	.	M	.	2	6	6	5	86-1009		
AND 402	G952xG4356	CANARIO	3	33	4A	63	135	8	M	.	4	6	6	5	86-1010		
AND 403	G952xG4356	CANARIO	3	37	4A	63	135	.	M	.	3	7	5	5	86-1011		
AND 404	G952xG8245	SMALL WHITE	1	22	4A	73	135	.	M	.	2	7	6	7	86-1012		
AND 405	G952xG8245	SMALL WHITE	1	20	4A	73	135	.	M	.	2	6	5	6	86-1013		
AND 406	G952xG8245	SMALL WHITE	1	21	4A	70	135	.	M	.	2	6	6	6	86-1014		
AND 407	G952xG8245	SMALL WHITE	1	21	4A	70	135	.	M	.	2	6	6	7	86-1015		
AND 408	(G11820xG4727) x (G12488xV79020)		6	22	3	44	.	.	M	9	1	6	6	3	86-250		
AND 409	(G11820xG4727) x (G12488xV79020)	RADICAL	6	37	4A	66	135	.	M	.	2	7	5	5	86-1016		
AND 410	(G11820xG4727) x (G12488xV79020)	CRANBERRY	2M	46	4A	63	135	.	M-N	.	2	7	5	5	86-1017		
AND 411	(G11820xG7908) x (G12488xV79020)	SANGRETORO	7	32	4A	66	135	.	M	.	2	6	4	4	86-1018		
AND 412	(G11820xG7908) x (G12488xV79020)	CARGAMANTO	2M	40	4A	66	135	.	M	.	3	6	6	5	86-1019		
AND 413	(G12488xG8160) x (G12488xV79020)	LLANOGRANDE	2M	51	4A	63	135	.	M-N	.	2	8	6	4	86-1020		
AND 414	(G12488xG8171) x (G12488xV79020)	LLANOGRANDE	2M	48	4A	70	143	.	M	.	2	7	5	4	86-1021		
AND 415	G12666xBAT1276	CRANBERRY	2M	32	2B	.	.	.	N	9	1	4	5	3	86-251		
AND 416	G12666xBAT1276	TUNDAMA	6M	32	2B	.	82	8	N	9	2	6	5	4	86-252		

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
AND 529	G11819xG12488	CARGAMANTO	2M	64	4B	66	143	.	M	.	1	7	7	5	86-1128	
AND 530	G11819xG12488	CARGAMANTO	2M	70	4B	86	143	.	M	.	1	7	6	5	86-1129	
AND 531	G11819xG12488	CARGAMANTO	2M	64	4B	70	143	.	M	.	1	7	7	5	86-1130	
AND 532	G11819xG12488	CARGAMANTO	2M	54	4A	70	135	.	M	.	1	6	7	5	86-1131	
AND 533	G11819xG12488	LLANOGRANDE	2M	65	4A	73	135	.	M	.	1	7	2	5	86-1132	
AND 534	G11819xG12488	CRANBERRY	2M	65	4A	73	143	.	M	.	1	6	5	4	86-1133	
AND 535	G11819xG12488	CARGAMANTO	2M	67	4B	70	143	8	M	.	2	7	6	4	86-1134	
AND 536	G11819xG12488	CRANBERRY	2M	58	4B	86	143	.	M	.	1	7	6	4	86-1135	
AND 537	G11819xG12488	CRANBERRY	2M	60	4B	80	143	.	M	.	1	7	6	4	86-1136	
AND 538	G11819xG4727	CRANBERRY	2M	61	4A	70	135	.	M	.	1	6	5	4	86-1137	
AND 539	G11819xG4727	LLANOGRANDE	2M	65	4A	66	143	.	M	.	1	7	7	3	86-1138	
AND 540	G11819xG4727	CANARIO	3	76	4B	76	143	8	M	.	2	7	5	4	86-1139	
AND 541	G12722xV79018	RADICAL	6	40	4B	73	143	.	M	.	1	6	7	6	86-1140	
AND 542	G12722xV79018		7	50	4B	73	143	.	M	.	1	5	6	6	86-1141	
AND 543	G12722xV79018	RADICAL	6	50	4B	73	143	.	M	.	1	6	7	5	86-1142	
AND 544	G12722xV79018		7	39	4A	73	135	.	M	.	1	6	7	4	86-1143	
AND 545	G12722xV79018		7	40	4A	70	135	.	M	.	1	6	7	4	86-1144	
AND 546	G12722xV79018	RADICAL	6	40	4A	66	135	.	M	.	1	6	4	4	86-1145	
AND 547	G12722xV79018	RADICAL	6	45	4A	63	135	.	M	.	1	6	6	5	86-1146	
AND 548	G12670xV79017	RADICAL	6	60	4A	66	143	.	M	.	2	6	6	5	86-1147	
AND 549	G12670xV79017	RADICAL	6	52	4B	80	143	.	M	.	2	6	7	4	86-1148	
AND 550	G12670xV79017	RADICAL	6	60	4A	63	135	.	M	.	2	6	6	4	86-1149	
AND 551	G12670xV79017	RADICAL	6	65	4A	63	135	8	M	.	2	7	6	5	86-1150	
AND 552	G11819xV80045	LIBORINO	3M	45	4A	66	135	.	M	.	2	7	7	5	86-1151	
AND 553	G11819xV80045	LIBORINO	3M	56	4A	73	135	.	M	.	2	6	7	6	86-1152	
AND 554	G11819xV80045	LIBORINO	3M	48	4A	66	135	.	M	.	2	6	6	5	86-1153	
AND 555	G11821xV79018		7	37	4A	66	135	.	M	.	2	6	7	4	86-1154	
AND 556	G2025xV79119	ZAMORANO	6	24	3	38	71	.	M	9	1	7	7	7	86-122	
AND 557	G2025xV79119	ZAMORANO	6	22	3	41	71	.	M	9	2	7	7	7	86-123	
AND 558	G2025xV79119	ZAMORANO	6	23	3	40	71	.	M	9	3	6	7	7	86-124	
AND 559	G2025xV79119	ZAMORANO	6	22	3	41	72	.	M	9	2	7	7	7	86-125	
AND 560	G2025xV79119	ZAMORANO	6	23	3	38	70	.	M	9	1	7	7	7	86-126	
AND 561	G2025xV79119	ZAMORANO	6	24	3	38	75	.	M	9	1	7	7	7	86-127	
AND 562	G2025xV79119	ZAMORANO	6	23	3	38	72	.	M	9	1	7	7	7	86-128	
AND 563	G2025xV79119	ZAMORANO	6	24	3	39	70	.	M	9	1	7	7	7	86-129	
AND 564	G8171xV80045	MWEZI MOJA	7M	40	4A	66	143	.	N-M	.	2	6	5	6	86-1155	
AND 565	G8171xV80045	MWEZI MOJA	7M	40	4A	66	143	6	N	.	2	6	3	6	86-1156	
AND 566	G12380xV79018		7	41	4A	66	143	8	M	.	4	6	6	4	86-1157	
AND 567	G12417xV80045	LLANOGRANDE	2M	55	4A	66	143	.	M	.	4	7	5	4	86-1158	
AND 568	G12417xV80045		2M	59	4A	70	143	.	M	.	3	6	6	4	86-1159	
AND 569	(G11820xG4727)x(G12488xV79020)	CARGAMANTO	2M	49	4A	70	143	8	N-M	.	4	6	6	5	86-1160	
AND 570	(G11820xG7908)x(G12488xV79020)		7	63	4A	70	143	.	M-N	.	2	7	6	4	86-1161	
AND 571	(G11820xG7908)x(G12488xV79020)		7	45	4A	70	143	.	M-N	.	4	7	5	5	86-1162	
AND 572	(G11820xG7908)x(G12488xV79020)	RADICAL	6	38	4A	70	135	8	M	.	2	6	4	4	86-1163	
AND 573	(G11820xG7908)x(G12488xV79020)	RADICAL	6	48	4A	70	135	.	M	.	2	7	6	4	86-1164	
AND 574	(G11820xG7908)x(G12488xV79020)	RADICAL	6	46	4A	70	135	.	M	.	2	7	6	4	86-1165	
AND 575	(G11820xG7908)x(G12488xV79020)	RADICAL	6	48	4B	70	143	.	M	.	2	6	6	4	86-1166	
AND 576	(G12488xG8160)x(G12488xV79020)	CRANBERRY	2M	48	4A	70	135	.	M	.	2	7	4	4	86-1167	
AND 577	(G12488xG8160)x(G12488xV79020)	CRANBERRY	2M	39	4A	70	143	.	M	.	3	7	5	4	86-1168	
AND 578	(G12488xG8160)x(G12488xV79020)	LLANOGRANDE	2M	46	4B	70	143	.	M	.	2	7	4	4	86-1169	
AND 579	(G12488xG8171)x(G12488xV79020)	LLANOGRANDE	2M	50	4A	63	135	.	M	.	3	7	5	4	86-1170	
AND 580	(G12488xG8171)x(G12488xV79020)	CRANBERRY	2M	51	4A	63	143	8	M	.	3	6	4	4	86-1171	
AND 581	(G12488xG8171)x(G12488xV79020)	LLANOGRANDE	2M	50	4A	63	135	.	M	.	2	6	5	4	86-1172	
AND 582	(G12488xG8171)x(G12488xV79020)	LLANOGRANDE	2M	42	4A	63	135	.	M	.	3	6	5	4	86-1173	
AND 583	(G12488xG8171)x(G12488xV79020)	LLANOGRANDE	2M	44	4A	63	135	.	M	.	3	6	6	6	86-1174	
AND 584	(G12488xG8171)x(G12488xV79020)	LLANOGRANDE	2M	43	4A	70	143	.	M	.	3	6	6	5	86-1175	

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
AND 809	G10516xG5767	NEGRO	8	29	4B	45	116	.	M	9	.	.	3	2	88-1248	
AND 810	G10516xG5767	NEGRO	8	30	4B	42	116	8	M	9	.	4	7	3	88-1249	
AND 811	G6435xV79018	SMALL WHITE	1	28	4B	38	116	8	M	9	.	6	6	3	88-963	
AND 812	G11820xG4727	RED MEXICAN	6	32	4B	45	116	.	M	9	.	5	7	2	88-1126	
AND 813	S1428xG4727	NIMA	6M	46	2B	41	116	.	M	9	1	6	5	2	88-1071	
AND 814	S1428xG4727	NIMA	6M	48	2B	36	111	8	M	9	2	5	5	2	88-1072	
AND 815	S1428xG4727	NIMA	6M	46	2B	36	116	8	M	8	2	5	5	2	88-1073	
AND 816	G14016xG12666	TUNDAMA	6M	45	3B	36	106	.	M	8	2	6	5	4	88-1062	
AND 817	G14016xG12666	TUNDAMA	6M	47	3B	36	106	8	M	8	2	5	5	2	88-1063	
AND 818	G14016xG12666	NIMA	6M	41	3B	36	97	.	M	8	1	7	7	2	88-1074	
AND 819	G14016xG12666	NIMA	6M	43	3B	36	97	.	M	8	2	6	6	4	88-1075	
AND 820	BAT1276xG12666	FRIJOLICA P11	6M	51	2B	38	106	8	N	9	3	6	5	2	88-1067	
AND 821	S1428xG4727	NIMA	6M	46	3B	36	116	.	M	8	2	6	5	2	88-1076	
AND 822	G14016xG12666	TUNDAMA	6M	49	3B	36	111	8	M	8	1	7	4	2	88-1064	
AND 823	BAT1276xG12666	FRIJOLICA P11	6M	48	3B	36	111	8	N	9	1	5	5	2	88-1068	
AND 824	BAT1276xG12666	FRIJOLICA P11	6M	50	3B	35	106	8	N	9	3	5	5	2	88-1069	
AND 825	BAT1276xG12666	FRIJOLICA P11	6M	49	3B	35	108	8	N	9	1	6	6	2	88-1070	
AND 826	G20554xG3954		6	52	1	34	76	.	M	8	6	6	5	2	88-552	
AND 827	(G14016xG6415)x(G76xG89)	FRIJOLICA P11	6M	47	1	33	74	8	N	8	4	5	6	4	88-579	
AND 828	(G24214xG1821)x(G8108xA485)	CANARIO	3	20	2A	37	76	.	M-N	8	4	7	6	5	88-277	
AND 829	(S25086xARGENTINO2)x(BAT1769xS25086)	POMPADOUR	6M	35	1	34	62	.	N	.	7	.	3	2	89-381	
AND 830	(S25087xARGENTINO2)x(G14013xS25087)	POMPADOUR	6M	39	1	38	68	.	M	.	5	.	6	2	89-382	
AND 831	G7385xG8152	POMPADOUR	6M	38	1	33	67	.	N	.	7	.	5	2	89-383	
AND 832	G12720x(G12720xV79020)	SANGRETORO	6	55		81	.	.	N	.	2	.	7	3	89-907	
AND 833	G12666xG4727	SUGAR	2M	47		81	.	.	M	.	1	6	6	4	89-849	
AND 834	G12307xG12720	MWEZI MOJA	7M	51		83	.	.	M	.	1	.	4	4	89-887	
AND 835	A322xG12275	BOLA ROJA	6	55		90	.	.	M	.	2	.	7	3	89-884	
AND 836	G7126xG6858	DORE	3	31		78	.	.	M	.	1	5	7	6	89-860	
AND 837	G7126xG6858	RED MEXICAN	6	33		76	.	.	N-M	.	1	.	7	6	89-903	
AND 838	G7126xG6858	DORE	3	23		86	.	.	M	.	1	6	7	7	89-861	
AND 839	G7126xG6858	DORE	3	35		78	.	.	M-N	.	1	.	6	5	89-859	
AND 840	VR81054xG12275	RED MEXICAN	6	31		81	.	.	M	.	1	.	6	7	89-904	
AND 841	G12488xG12273	BOLA ROJA	6	46		88	.	.	M	.	1	.	6	3	89-883	
AND 842	G5772xG12666	TUNDAMA	6M	54		83	.	.	M	.	2	.	3	3	89-911	
AND 843	G6040xG12488		6	39		81	.	.	M	.	1	.	6	4	89-889	
AND 844	G12670xBAT1274	TUNDAMA	6M	54		88	.	.	N	.	5	.	5	4	89-910	
AND 845	G12670xBAT1274	TUNDAMA	6M	56		93	.	.	N	.	4	.	6	4	89-909	
AND 846	G12666xG13922	SUGAR	2M	46		81	.	.	M	.	1	6	6	4	89-844	
AND 847	G12666xG13922	SUGAR	2M	46		81	.	.	M	.	1	.	6	2	89-850	
AND 848	G12666xG13922	SUGAR	2M	47		81	.	.	M	.	4	4	7	7	89-848	
AND 849	A322xG12275	SUGAR	2M	40		90	.	.	M	.	1	5	6	5	89-847	
AND 850	SHAYA x G12666	SUGAR	2M	42		86	.	.	M	.	1	6	6	4	89-846	
AND 851	G4523xA117	CARGAMANTO	2M	48		86	.	.	M	.	1	3	4	7	89-837	
AND 852	A322xG12275	CARGAMANTO	2M	44		78	.	.	N	.	1	4	5	7	89-836	
AND 853	G12666xG5772	CARGAMANTO	2M	49		78	.	.	M	.	3	4	7	7	89-835	
AND 854	G5772xG7385	CARGAMANTO	2M	53		81	.	.	M	.	1	6	7	4	89-830	
AND 855	(G12047xG4727)x(G12047xG12666)	BAYO ANDINO	2	55		78	.	.	M	.	1	6	6	3	89-824	
AND 856	G6040xG12722		6	44		81	.	.	M-N	.	5	.	7	3	89-890	
AND 857	(G11586xS25083)x(G11586xG4452)		6	36		75	.	.	M	.	3	8	6	8	89-685	
AND 858	G12685xPVA1408	RED MEXICAN	6	41	1	34	67	.	M	.	6	.	6	3	89-425	
AND 859	PVA1438xA486	SUGAR	2M	50	1	35	62	.	M	.	4	5	7	3	89-170	
AND 860	PG100xBAT1257	NAVY	1	21	3	35	67	.	N	.	8	.	5	6	89-12	
AND 861	PG100xBAT1715	NAVY	1	18	2B	40	70	.	N	.	8	5	7	7	89-13	
AND 862	G4523xPAD29	ESTRADA	5M	39	1	34	63	.	M	.	7	.	6	4	89-231	
AND 863	LIMONE#0-1xPVA773	CALIMA	6M	43	1	33	62	.	M	.	7	.	7	2	89-290	
AND 864	(S25086xARGENTINO2)x(BAT1769xS25086)	CALIMA	6M	46	1	37	66	.	M	.	7	.	7	3	89-288	

Line	Cross	Cult. type	Seed			Days to										VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
AND 865	(LIMONE#O-3xARGENTINO1)x(BAT1769xLIMONE#O-3	CALIMA	6M	45	1	35	62	.	M	.	7	.	7	3	89-285		
AND 866	(LIMONE#O-3xARGENTINO1)x(BAT1769xLIMONE#O-3	CALIMA	6M	42	1	35	62	.	M	.	5	7	7	5	89-286		
AND 867	G4453xPAD29	POMPADOUR	6M	44	1	35	68	.	N	.	7	.	6	3	89-380		
AND 868	LIMONE#O-1xPVA773	CALIMA	6M	44	1	38	67	.	M	.	5	6	5	6	89-291		
AND 869	PVA374xPAD29	CALIMA	6M	43	1	38	62	.	M	.	6	.	7	3	89-287		
AND 870	S25087xPVA1193	CALIMA	6M	44	1	36	66	.	M	.	8	.	7	2	89-284		
AND 871	(G4523xBAT1412)x(G4523xA197)	CALIMA	6M	41	1	35	66	.	M	.	6	.	7	3	89-289		
AND 872	(CALIMA-1xARGENTINO2)x(G14013xG5683)	GUALI	6M	56	1	34	68	.	M	.	5	.	7	3	89-307		
AND 873	PAD29xLIMONE#O-1	NIMA	6M	49	1	32	66	.	M	.	7	.	7	4	89-357		
AND 874	(S25087xARGENTINO2)x(BAT1769xS25087)	SANGRETORO	6	48	1	30	66	.	M	.	8	.	6	3	89-482		
AND 875	G4494xG14013	GUALI	6M	47	1	35	66	.	N	.	4	6	8	5	89-308		
AND 876	LIMONE#O-1xPVA773	NIMA	6M	47	1	36	66	.	M	.	6	7	6	3	89-358		
AND 877	LIMONE#O-1xPVA773	NIMA	6M	41	1	35	62	.	M	.	2	7	6	5	89-359		
AND 878	PVA374xPAD29	ESTRADA	5M	42	1	34	66	.	M	.	8	.	6	5	89-232		
AND 879	G12722xG21720	GUALI	7M	37	1	39	71	.	M	.	3	.	5	3	89-518		
AND 880	G12722xG21720	POMPADOUR	6M	38	1	40	66	.	M	.	6	6	6	7	89-378		
AND 881	(S25087xARGENTINO2)x(G14013xS25087)	POMPADOUR	6M	38	1	40	71	.	M	.	5	7	6	3	89-379		
AND 882	PVA1025xA483	GUALI	7M	46	2A	34	66	.	N	.	5	6	4	5	89-517		
AND 883	G12722xG21720	CALIMA	6M	41	2A	40	71	.	M-N	.	2	.	5	2	89-283		
AND 884	PG100xBAT1198	SMALL WHITE	1	22	2B	40	66	.	N	.	8	.	5	5	89-19		
AND 885	CALIMA-2xG13922	POMPADOUR	6M	43	1	32	63	.	N	.	8	6	6	6	89-366		
AND 886	CALIMA-2xG13922	CALIMA	6M	45	1	34	67	.	N	.	7	.	6	3	89-281		
AND 887	(CALIMA-1xARGENTINO2)x(G14013xG5683)	SANGRETORO	6	49	1	35	68	.	M	.	8	.	7	4	89-481		
AND 888	PVA1438xA486	ESTRADA	5M	46	1	34	62	.	M	.	6	6	7	5	89-233		
AND 889	CALIMA-2xG13922	POMPADOUR	6M	39	1	34	66	.	N	.	8	6	6	6	89-370		
AND 890	AND276xAND354	CAFETERO	6M	42	1	34	70	4	M	.	2	6	6	4	90-353		
AND 891	PVA563xAFR190	CALIMA	6M	42	1	32	73	4	M	.	3	7	6	7	90-242		
AND 892	PVA800-BxZAA39	POMPADOUR	6M	30	1	32	66	3	M	.	3	6	4	7	90-326		
AND 893	S25086xBAT1386	CAFETERO	6M	42	1	33	69	.	M	.	6	7	5	3	90-354		
AND 894	PVA800-BxZAA39	POMPADOUR	6M	42	2B	37	75	8	N	.	3	6	3	7	90-327		
AND 895	PATSxZAA39	CALIMA	6M	28	2B	35	73	.	N-M	.	3	7	6	7	90-243		
AND 896	PVA800-BxZAA39	CITARA	6M	41	2B	35	69	.	N	.	4	6	4	5	90-349		
AND 897	AND277xAFR260	ESTRADA	5M	38	3B	33	69	.	M	.	2	5	4	5	90-184		
AND 898	PAD2xICA10204	POMPADOUR	6M	33	1	34	72	6	N	.	4	6	4	4	90-328		
AND 899	TIB33341xPVA1197	MEXICO 80	6	29	2B	42	81	.	N	.	4	5	6	6	90-306		
AND 900	G6396xA484	RADICAL	6	37	1	32	75	8	M	.	3	5	5	5	90-366		
AND 901	G8152xG10229	FLOR DE MAYO	5M	20	2B	38	76	8	N	.	4	5	7	7	90-187		
AND 902	SANGRETOROx(SANGRETOROxBAT1386)	CALIMA	6M	35	1	35	69	.	M	.	8	7	7	3	90-244		
AND 903	AND678x(AND663xAND628)	GUALI	7M	39	1	32	72	.	N	.	6	5	7	6	90-426		
AND 904	G12409xPVA773	DARK RED KIDNEY	3	43	1	35	68	5	N	.	5	4	4	7	90-167		
AND 905	PAD29xNIMA	CALIMA	6M	40	1	32	77	8	M	.	5	7	5	5	90-245		
AND 906	PVA374xPAD29	CAFETERO	6M	43	1	34	75	5	M	.	2	5	6	5	90-355		
AND 907	PVA109xPAD29	CITARA	6M	42	1	35	72	.	M	.	7	4	4	6	90-350		
AND 908	PVA109xPAD29	POMPADOUR	6M	45	1	35	76	8	M	.	.	5	6	7	90-329		
AND 909	PVA109xPAD29	POMPADOUR	6M	40	1	35	77	8	M	.	5	5	6	7	90-330		
AND 910	CALIMA-2xG13922	POMPADOUR	6M	43	1	34	73	6	N	.	3	5	6	7	90-331		
AND 911	PVA1438xA486	ESTRADA	5M	42	1	33	67	.	M	.	3	6	7	5	90-185		
AND 912	PVA109xPAD29	POMPADOUR	6M	42	1	34	75	8	M-N	.	5	6	6	7	90-332		
AND 913	CALIMA-2xG13922	POMPADOUR	6M	37	1	33	76	8	N	.	3	5	5	7	90-333		
AND 914	(XAN105x(XAN105x(XAN105xG13016)))	BICO DE OURO	2	22	2A	38	76	8	N-M	.	3	5	7	7	90-56		
AND 915	(XAN105x(XAN105x(XAN105xG13016)))	BICO DE OURO	2	23	2B	38	78	8	N	.	2	4	7	7	90-57		
AND 916	(BAT477x(BAT477x(BAT477xG13016)))	MULATINHO	2	22	2A	35	75	.	N	.	8	7	8	3	90-109		
AND 917	(BAT1297x(BAT1297x(BAT1297xG10019)))	BAT 1297	6M	25	2B	34	75	1	N	.	7	7	8	7	90-213		
AND 918	PVA916x(PVA916x(PVA916xG10007)))	CAFETERO	6M	37	1	34	73	6	M	.	1	6	6	7	90-356		
AND 919	AND361x(AND361xPAI130)	POMPADOUR	6M	36	2B	34	80	4	N	.	5	7	5	7	90-334		
AND 920	AND276xAND327	CALIMA	6M	43	1	34	71	5	M	.	1	6	6	4	90-246		

Line	Cross	Cult. type	Seed			Days to						VEF		IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS		Rust	Yr	Ent	YAN
AND 921	AND276xAND327	CALIMA	6M	45	1	34	69	5	M	.	3	6	6	6	90-247	
AND 922	AND276xAND327	CALIMA	6M	43	1	34	70	4	M	.	5	5	7	7	90-248	
AND 923	AND276xAND354	CAFETERO	6M	48	1	34	73	5	M	.	5	7	6	2	90-357	
AND 924	BAT1222xCAL-HAB2-Q	GUALI	7M	46	1	31	70	4	N	.	1	4	7	6	90-427	
AND 925	S25086xBAT1386	CAFETERO	6M	47	1	34	66	4	M	.	4	7	5	3	90-358	
AND 926	PVA800-BxZAA39	CALIMA	6M	38	2B	37	75	.	N	.	1	4	6	6	90-249	
AND 927	PAT5xZAA39	POMPADOUR	6M	27	2B	36	71	.	N	.	1	6	6	7	90-335	
AND 928	PAT5xZAA39	CALIMA	6M	29	2B	35	74	.	M-N	.	1	5	6	7	90-250	
AND 929	PVA800-BxG20554	BAT 1297	6M	25	2A	35	81	3	N	.	8	6	7	7	90-214	
AND 930	AND279xAND635	POMPADOUR	6M	42	2B	38	79	0	N	.	3	5	3	6	90-336	
AND 931	ZAA54xG4807	ROJO DE SEDA	6	50	1	33	72	3	M	.	1	6	5	5	90-343	
AND 932	(PVA782xA242) x (PVA1438xMCD251)	CALIMA	6M	39	1	35	76	0	M	.	1	4	7	7	90-251	
AND 933	PVA5xG12685	ARGENTINO	7	36	1	34	79	.	M	.	3	6	7	6	90-424	
AND 934	PAD2xICA10204	POMPADOUR	6M	33	1	35	74	8	N	.	4	6	4	4	90-337	
AND 935	G6396xA484	RADICAL	6	37	1	32	77	0	M	.	4	7	6	5	90-367	
AND 936	G8152xG10229	FLOR DE MAYO	5M	28	2B	38	76	8	N	.	5	6	7	7	90-188	
AND 937	TIB33341xPVA1197	RADICAL	6	39	2B	46	80	4	N	.	1	7	6	3	90-368	
AND 938	PVA800-BxG20554	BAT 1297	6M	22	2A	36	77	3	N	.	6	6	7	8	90-215	
AND 939	PAD29xNIMA	CALIMA	6M	43	1	35	83	.	M	.	8	6	7	6	90-252	
AND 940	PAD29xLIMONE#O-3	CAFETERO	6M	43	1	35	72	.	M	.	7	7	6	7	90-359	
AND 941	A36xPA161	POMPADOUR	6M	37	1	35	74	.	M	.	7	7	5	6	90-338	
AND 942	LIMONE#O-1xPVA773	CALIMA	6M	48	1	35	79	8	M	.	1	5	6	7	90-253	
AND 943	LIMONE#O-1xPVA773	CALIMA	6M	44	1	37	79	8	M	.	3	5	7	7	90-254	
AND 944	PVA1426xA179	FRIJOLICA P11	6M	37	1	37	77	.	N	.	6	6	5	5	90-301	
AND 945	G4453xBAT1769	CALIMA	6M	45	1	37	77	0	M	.	5	6	7	7	90-255	
AND 946	PVA374xPAD29	CALIMA	6M	40	1	38	79	8	M	.	3	5	6	6	90-256	
AND 947	G12666xA36	CALIMA	6M	42	2	54	115	.	M	.	1	7	6	7	90-611	
AND 948	V83044xVCA81018		2	29	4B	67	137	8	M	.	.	6	7	4	90-634	
AND 949	V83044xVCA81018		3	26	4A	52	119	8	M	.	1	7	7	8	90-648	
AND 950	V83044xVCA81018		2	30	4B	52	119	8	M	.	1	6	6	4	90-635	
AND 951	ICA-LS-1xVIII5778-3-1-	CARGAMANTO	2M	51	4B	57	122	.	N	.	1	6	7	7	90-638	
AND 952	A36xZAV83059	ZAMORANO	6	34	3B	72	147	.	M	.	1	7	6	7	90-665	
AND 953	G6435xA240	SMALL WHITE	1	27	4A	57	140	.	N-M	.	1	6	7	7	90-624	
AND 954	ACV83034xACV83047	ZAMORANO	6	31	4A	57	117	8	N	.	1	7	7	2	90-658	
AND 955	ACV83034xACV83047	ZAMORANO	6	30	4A	57	117	.	N	.	1	6	7	2	90-659	
AND 956	ACV83034xACV83047	ZAMORANO	6	29	4A	52	117	.	N	.	1	5	7	3	90-660	
AND 957	(CABALLEROLCxG10889) x (CABALLEROLCxG6040)	SMALL WHITE	1	27	4A	57	137	8	N	.	5	7	7	7	90-625	
AND 958	VR81058xV79116	ZAMORANO	6	28	4A	72	140	8	M	.	7	7	7	7	90-661	
AND 959	BOLACANARIOxV83037	MWEZI MOJA	7M	50	4A	62	157	.	N	.	1	7	7	7	90-667	
AND 960	DRK5xZAA3	DUVA	6	46	1	35	68	.	M	.	4	8	8	3	91-205	
AND 961	CARGASELHix (CARGASELHixA484)	NIMA	6M	43	1	38	71	.	M	.	7	6	5	2	91-236	
AND 962	AND376x (AND663xAND628)	NIMA	6M	52	1	35	67	.	M	.	7	6	8	3	91-237	
AND 963	AND663x (AND663xG12949)	FRIJOLICA P11	6M	49	1	38	71	.	N	.	2	6	5	2	91-189	
AND 964	PVA1384xCAL22	CITARA	6M	50	2A	38	69	.	M	.	2	5	8	3	91-266	
AND 965	APR243xAND628	DUVA	6	39	2B	38	71	.	M	.	3	5	6	3	91-206	
AND 966	AFR84xPVA800A	POMPADOUR	6M	40	2A	35	69	.	N	.	2	7	7	3	91-333	
AND 967	AFR332xDRK16	ESTRADA	5M	51	2A	34	64	.	M	.	2	6	8	2	91-96	
AND 968	DRK14xPVA800		6M	49	2	35	67	.	N	.	7	7	5	3	91-157	
AND 969	AFR332xDRK16	ESTRADA	5M	43	2A	35	66	.	N-M	.	1	6	8	3	91-97	
AND 970	PVA1384xCAL22	CAFETERO	6M	53	2A	38	70	.	M	.	6	7	7	2	91-275	
AND 971	AFR84xPVA800A	POMPADOUR	7M	41	3	35	71	.	N	.	2	7	7	4	91-334	
AND 972	AFR332xDRK16	ESTRADA	5M	48	2A	33	65	.	M	.	1	7	6	3	91-98	
AND 973	AFR243xAND628	ARGENTINO	7	46	2A	36	70	.	N	.	1	4	5	3	91-323	
AND 974	AND378xAFR83	ESTRADA	5M	38	2B	35	65	.	M	.	5	7	7	4	91-99	
AND 975	DRK14xA483	DUVA	6	40	1	34	71	.	M	.	6	6	8	3	91-207	
AND 976	AFR311xPVA68	GUALI	7M	44	2B	35	67	.	M	.	4	6	7	3	91-320	

Line	Cross	Cult. type	Seed			Days to						VEF	IB			
			col.	Wt	Hab	Fl	Mt	Fot	ECMV	Emp	Ant			CBB	ALS	Rust	Yr	Ent	YAN
AND 977	AFR243xZAAS3	DUVA	6	42	2A	35	67	.	M	.	1	5	8	3	91-208	
AND 978	AFR242xPVA1384	CITARA	6M	45	2B	35	70	.	M	.	2	6	6	4	91-267	
AND 979	SUG26xPVA1384	DUVA	6	48	2A	32	70	.	M	.	5	7	8	4	91-209	
AND 980	SUG12xDRK16	DUVA	6	48	2A	32	70	.	M	.	7	6	8	4	91-210	
AND 981	DRK14xPVA800	RED MEXICAN	6	41	2A	35	67	.	N	.	5	7	5	3	91-290	
AND 982	DRK14xCAL82	DUVA	6	53	2A	38	69	.	M	.	7	5	7	2	91-211	
AND 983	AFR242xAFR275	CAFETERO	6M	48	2A	36	69	.	M	.	6	4	6	4	91-276	
AND 984	AFR332xDRK16	ESTRADA	5M	45	2A	35	64	.	N	.	3	7	6	4	91-100	
AND 985	AND376x(AND663xAND628)	NIMA	6M	49	1	35	68	.	M	.	8	6	7	4	91-238	
AND 986	AND376x(AND663xAND628)	CITARA	6M	45	1	33	66	.	M	.	5	6	7	4	91-268	
AND 987	AND376x(AND663xAND628)	CITARA	6M	43	1	33	63	.	M	.	6	5	6	5	91-269	
AND 988	CALIMAHABITOx(G13922xCALIMAHABITO)	POMPADOUR	7M	56	1	35	70	.	M	.	1	8	7	3	91-340	
AND 989	G6396xBAT1386	POMPADOUR	7M	44	1	33	69	.	M	.	1	7	7	2	91-335	
AND 990	CALIMA-2xG13922	CITARA	6M	40	1	37	69	.	N	.	1	6	6	3	91-270	
AND 991	CALIMAHABITOx(G13922xCALIMAHABITO)	POMPADOUR	7M	48	1	35	69	.	N	.	2	6	7	4	91-259	
AND 992	BOLAx4484	CITARA	6M	43	1	35	69	.	M	.	2	6	5	5	91-341	
AND 993	PVA916x(PVA916x(PVA916xG10007))	CAFETERO	6M	49	1	38	69	.	M	.	2	7	5	3	91-277	
AND 994	AFR84xPVA800A	POMPADOUR	7M	42	2A	35	68	.	N	.	3	7	7	3	91-336	
AND 995	AFR84xPVA800A	POMPADOUR	6M	40	2A	36	69	.	N	.	1	7	8	5	91-260	
AND 996	DRK14xPVA800	RED MEXICAN	6	41	2A	34	68	.	N	.	2	7	5	4	91-291	
AND 997	DRK14xPVA800	POMPADOUR	7M	51	2A	35	71	.	N	.	5	7	7	3	91-327	
AND 998	AFR332xDRK16	DUVA	6	52	2A	34	68	.	M	.	2	7	7	3	91-212	
AND 999	AFR311xAND683	ESTRADA	5M	49	2B	38	71	.	M-N	.	6	7	7	3	91-101	
AND 1000	AFR311xAND683	ESTRADA	5M	40	2B	38	68	.	M	.	7	7	8	2	91-91	
AND 1001	AFR242xPVA1384	ESTRADA	5M	47	2B	35	67	.	M	.	5	6	8	3	91-92	
AND 1002	SUG12xDRK16	ESTRADA	5M	48	2A	33	64	.	M	.	1	7	8	5	91-93	
AND 1003	SUG12xDRK16	DUVA	6	54	2A	34	71	.	M	.	1	6	8	4	91-204	
AND 1004	AFR84xPVA800A	POMPADOUR	7M	37	2A	35	70	.	N	.	3	7	7	3	91-332	
AND 1005	SUG26xCAL82	POMPADOUR	7M	44	2A	35	68	.	M	.	2	6	5	3	91-326	
AND 1006	DRK14xPVA800	RED MEXICAN	6	46	2A	34	68	4	N	.	4	7	4	3	91-288	
AND 1007	DRK14xPVA800	RED MEXICAN	6	41	2A	35	68	4	N	.	6	8	7	3	91-289	
AND 1008	DRK14xA483	CAFETERO	6M	40	2A	38	72	.	M	.	7	7	7	4	91-274	
AND 1009	AFR332xDRK16	ESTRADA	5M	47	2A	34	65	.	M	.	2	7	8	2	91-94	
AND 1010	AND378xDRK14	ESTRADA	5M	46	2B	34	68	.	M	.	6	6	8	2	91-95	
AND 1011	AFR242xAFR275	NIMA	6M	40	2A	38	70	.	M	.	5	7	8	3	91-250	
AND 1012	G8152xPVA1117	DORE	3	45	1	41	74	.	M	.	2	7	6	2	91-80	
AND 1013	CAJAMARCA35xANCASH-66	DORE	3	44	2B	55	107	.	M	.	2	6	7	3	91-511	
AND 1014	DRK14xPVA800	POMPADOUR	6M	42	2B	33	70	5	N	.	1	6	3	3	92-494	
AND 1015	G12953xBAT1281	NEGRO	8	.	.	.	.	.	N	.	1	7	7	4	92-1041	
AND 1016	BLANCOxOBOV2	DUVA	6	48	1	29	68	.	M	.	1	6	5	3	92-476	
AND 1017	RADSANGILx(DRK7xAFR169)	SANGRETORO	6	43	1	31	69	8	M	.	1	7	6	3	92-546	
AND 1018	RADSANGILx(AFR180xPVA7)	SANGRETORO	6	43	1	31	68	4	M	.	1	6	5	3	92-547	
AND 1019	RADSANGILx(AFR180xPVA7)	SANGRETORO	6	44	1	32	68	8	M	.	1	6	6	3	92-548	
AND 1020	RADICRESTRx(DRK5xZAA111)	SANGRETORO	6	49	1	32	68	5	M	.	1	6	7	3	92-549	
AND 1021	DRK11x(WAF109xDRK11)	CAFETERO	6M	40	2B	33	69	5	M	.	1	6	4	3	92-515	
AND 1022	AFR242x(WAF22xAFR242)	CAFETERO	6M	39	2B	34	66	8	M	.	1	6	6	3	92-516	
AND 1023	DRK11x(CALIMAxDNTIMOT317)	SANGRETORO	6	35	2B	32	71	2	M	.	1	7	5	3	92-550	
AND 1024	WAF22xRADSANGIL	GREAT NORTHERN	1	44	2	35	69	5	M	.	1	6	7	3	92-27	
AND 1025	WAF22xSANGTORBIT	ALUBIA	1	47	1	34	69	4	N	.	1	4	7	3	92-5	
AND 1026	WAF109xDRK11	GREAT NORTHERN	1	48	2B	34	72	5	N	.	1	6	7	3	92-28	
AND 1027	WAF109xAFR242	GREAT NORTHERN	1	50	2B	35	76	4	M	.	1	6	7	2	92-29	
AND 1028	DRK5x(AFR192xPVA3047)	SANGRETORO	6	35	1	31	69	4	M	.	1	6	7	2	92-551	
AND 1029	DRK13xAFR461	CAFETERO	6M	36	2B	34	68	5	N	.	1	6	3	3	92-517	
AND 1030	AFR301xAND772	POMPADOUR	6M	32	1	31	67	6	N	.	1	6	6	3	92-495	
AND 1031	DRK5xRAD6	SANGRETORO	6	.	.	59	99	.	M	.	1	6	3	3	93-839	
AND 1032	DRK5xRAD6	SANGRETORO	6	.	.	65	102	.	M	.	1	6	4	2	93-840	

Line	Cross	Cult. type	Seed			Days to					VEF	IB				
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
AND 1033	LAS220xSAN10	SANGRETORO	6	.	.	64	114	.	M	.	1	6	6	3	93-841	
AND 1034	ABA73xCAR9	WHITE KIDNEY	1	.	.	65	106	.	N	.	1	6	6	7	93-774	
AND 1035	LAS220xCAL10	CARGAMANTO	6M	.	.	54	104	.	M	.	1	5	7	5	93-807	
AND 1036	AND450xAND385	SANGRETORO	6	.	.	55	110	.	M	.	1	6	7	4	93-842	
AND 1037	LICA34221-SELECCION	SANGRETORO	6	47	1	33	77	.	N	.	5	6	4	4	93-463	
AND 1038	LICA12221-SELECCION	SANGRETORO	6	46	1	34	77	.	M	.	2	6	4	4	93-465	
AND 1039	AFR291x(DRK4xPVA1151)	RED KIDNEY	6	.	.	42	90	.	M	.	1	6	5	4	93-735	
AND 1040	AFR291x(DRK4xPVA1151)	SANGRETORO	6	.	.	42	91	.	M	.	1	7	5	3	93-747	
AND 1041	CIFAC87076x(BAN53xG5708)	JALO/MANTECA	2	.	.	47	.	.	M	.	7	6	5	4	93-705	
AND 1042	CAL85x(DRK14xDUVA)	SANGRETORO	6	.	.	47	91	.	M	.	4	6	5	4	93-748	
AND 1043	LAS220xCAL10	CARGAMANTO	6M	.	.	54	104	.	M	.	1	6	8	3	93-808	
AND 1044	LAS220xCAL10	CARGAMANTO	6M	.	.	54	100	.	M	.	1	6	7	4	93-809	
AND 1045	LAS220xCAL10	CARGAMANTO	6M	.	.	54	104	.	M	.	1	7	7	3	93-810	
AND 1046	LAS220xCAL10	CARGAMANTO	6M	.	.	57	106	.	M	.	1	7	7	4	93-811	
AND 1047	DRK13xCAL104	SANGRETORO	6	52	2B	34	77	.	M	.	1	5	4	4	93-464	
AND 1048	DRK16xAND719	CAFETERO	6M	53	2B	38	82	.	M	.	8	5	6	4	93-380	
AND 1049	AFR372xCIFAC87005	JALO/MANTECA	3	36	1	32	79	.	M	.	1	5	5	5	93-187	
AND 1050	PAD96xCAL77	MISS KELLY	6M	34	1	33	77	.	N	.	1	5	6	4	93-216	
AND 1051	PAD96xCAL77	MISS KELLY	6M	34	2B	34	79	.	N	.	1	5	6	4	93-217	
AND 1052	AND628x(AND628xA629)	ESTRADA	6M	41	2B	34	77	.	M	.	1	6	5	4	93-215	
AND 1053	AFR242x(AFR242xA445)	CITARA	6M	44	2B	34	77	.	M	.	1	6	7	4	93-389	
AND 1054	AFR242x(AFR242xA445)	CALIMA	6M	50	3	34	79	.	M	.	6	6	4	4	93-238	
ANT 1	BAT1386xG4523	POMPADOUR	6M	31	1	48	109	.	M	.	2	6	6	7	90-616	
ANT 2	BAT1386xG23411	CALIMA	6M	40	1	45	111	.	M	.	2	7	3	7	90-612	
ANT 3	BAT1386xG23411	POMPADOUR	6M	37	1	48	110	.	M	.	1	7	6	5	90-617	
ANT 4	BAT1386xG18460	CALIMA	6M	35	2	45	110	.	M	.	1	5	2	3	90-613	
ANT 5	BAT1386xG18460	POMPADOUR	6M	39	1	48	109	.	M	.	1	7	5	3	90-618	
ANT 6	A483xS25011		7	28	2B	47	107	.	M	.	1	7	7	3	90-666	
ANT 7	A252xS25009	ZAMORANO	6	26	3B	52	119	.	N	.	1	7	6	7	90-662	
ANT 8	BAN6x(VRA81018xG2333)	GARBANCILLO	3	16	3	39	70	.	M	.	1	7	4	6	91-82	
ANT 9	G21717x(A252xG21717)	SUGAR	2M	35	3	36	66	.	M	.	2	7	7	5	91-65	
ANT 10	CAROLINAx(A252xCAROLINA)	ZAMORANO	6	22	3	38	66	.	M	.	1	7	7	7	91-295	
ANT 11	G21716x(A483xG21716)	PIRIRITA	2M	32	3	34	66	.	M	.	2	7	8	7	91-59	
ANT 12	CAJAMARCA35xANCASH-66	DORE	3	40	2B	55	107	.	M	.	1	7	6	3	91-512	
ANT 13	G20798x(PMX1535xG20798)	BAYO ANDINO	3	.	.	.	.	.	M	.	1	7	6	4	92-964	
ANT 14	G21716x(PMX1535xG21716)	PIRIRITA	2R	.	.	.	.	.	M	.	1	7	7	3	92-959	
ANT 15	S25012x(A252xS25012)	CHUMBINHO	4	.	.	.	.	.	N	.	1	7	7	3	92-965	
ANT 16	CAROLINAx(A475xCAROLINA)	HONDURAS 46	6	.	.	.	.	.	N	.	3	7	7	4	92-990	
ANT 17	CAROLINAx(A475xCAROLINA)	HONDURAS 46	6	.	.	.	.	.	N	.	1	7	5	4	92-991	
ANT 18	CAROLINAx(A475xCAROLINA)	ZAMORANO	6	.	.	.	.	.	M	.	1	7	7	5	92-1013	
ANT 19	S25017x(A252xS25017)	LIBORINO	3M	.	.	.	.	.	M	.	1	7	7	3	92-968	
ANT 20	S25009x(A483xS25009)	SANGRETORO	6	.	.	34	84	.	M	.	5	6	5	4	93-745	
ANT 21	S24965xBAT1386	SANGRETORO	6	.	.	42	84	.	M	.	1	7	5	4	93-746	
ANT 22	CAL-HAB2-QxBAT1386	CALIMA	6M	.	.	42	89	.	N	.	1	6	6	3	93-712	
ANT 23	G4435xBAT1386	CALIMA	6M	.	.	41	89	.	M	.	1	5	4	3	93-713	
ANT 24	PVA1184x(BAT1386xG20554)	CITARA	6M	.	.	42	90	.	M	.	1	5	5	4	93-717	
ANT 25	S25086xBAT1386	CITARA	6M	.	.	42	90	.	M	.	5	6	5	3	93-718	
ANT 26	BAT1386xG18460	CITARA	6M	.	.	43	91	.	M	.	5	6	5	3	93-719	
ANT 27	BAT1386xG18460	CITARA	6M	.	.	42	90	.	M	.	2	5	4	3	93-720	
ANT 28	BAT1386xG18460	CITARA	6M	.	.	42	90	.	M	.	1	5	5	3	93-721	
ANT 29	DRK22xKID22	ROJO DE SEDA	6	.	.	42	82	.	N	.	2	5	5	5	93-724	
ANT 30	DRK22xKID22	ROJO DE SEDA	6	.	.	42	82	.	N	.	1	5	3	3	93-723	
ANT 31	DRK22xKID22	RED KIDNEY	6	.	.	43	82	.	M	.	5	5	3	3	93-733	
ANT 32	DRK22xKID22	RED KIDNEY	6	.	.	43	82	.	M	.	1	6	5	3	93-734	
ANT 33	URUBONOBONox((A483xURUBONOBONO)xURUBONOBONO)	PIRIRITA	2M	.	.	44	89	.	M	.	1	7	8	7	93-796	
ANT 34	URUBONOBONox((A483xURUBONOBONO)xURUBONOBONO)	PIRIRITA	2M	.	.	46	89	.	M	.	1	7	7	7	93-797	

Line	Cross	Cult. type	Seed			Days to							VEF	IB			
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
ANT	35	URUBONOBONOx{(A30xURUBONOBONO)xURUBONOBONO}	PIRIRITA	2M	.	.	44	89	.	M	.	6	7	7	7	93-798	
ANT	36	KIBUNGO2x{(G2333xKIBUNGO2)xKIBUNGO2}	CALIMA	6M	.	.	50	94	.	M	.	1	5	5	4	93-714	
ANT	37	KIBUNGO2x{(G2333xKIBUNGO2)xKIBUNGO2}	CALIMA	6M	.	.	50	95	.	M	.	1	5	4	4	93-715	
ANT	38	KIBUNGO2x{(G2333xKIBUNGO2)xKIBUNGO2}	CALIMA	6M	.	.	50	94	.	M	.	1	5	5	4	93-716	
ANT	39	RADICALSANGIx(RADICALSANGIxBAT1386)	RADICAL	6	.	.	40	84	.	M	.	1	5	5	4	93-727	
ANT	40	RADICALSANGIx(RADICALSANGIxBAT1386)	RADICAL	6	.	.	41	84	.	M	.	1	6	6	4	93-728	
ANT	41	G6396x{(G6396xG2333)xRADISANGIL}	RADICAL	6	.	.	43	96	.	M	.	1	5	6	3	93-729	
ANT	42	G6396x{(G6396xG2333)xRADISANGIL}	RADICAL	6	.	.	47	96	.	M	.	1	6	6	3	93-730	
ANT	43	G6396x{(G6396xG2333)xRADISANGIL}	RADICAL	6	.	.	47	96	.	M	.	1	5	7	4	93-731	
ANT	44	G6396x{(G6396xG2333)xRADISANGIL}	RADICAL	6	.	.	47	96	.	M	.	1	5	7	3	93-732	
ANT	45	RADSANGILx(RADSANGILx(RADSANGILxBAT1386))	MISS KELLY	6M	.	.	42	83	.	M	.	1	5	7	4	93-709	
ANT	46	G6396x{(G6396xG2333)xRADICAL}	MISS KELLY	6M	.	.	41	83	.	M	.	1	5	7	5	93-710	
ANT	47	A197x(A197xCYUNYU)	BAYO ANDINO	2	.	.	41	83	.	N	.	1	5	3	4	93-703	
ANT	48	RADSANGILx(RADSANGILx(RADSANGILxBAT1386))	POMPADOUR	6M	.	.	42	83	.	M	.	1	5	6	4	93-722	
APN	1	G4421xG5709	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	2	G3627xG3353	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	3	G4421xG3353	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	4	G4421xG4454	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	5	G4421xG4454	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	6	G4421xG4454	NEGRO OFACO	8	18	2	39	.	.	N	5	7	9	1	7	80-174	81
APN	7	G4421xG4454	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	8	G4421xG4454	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	9	G4421xG4454	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	10	G4421xG4454	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	11	G4421xG4454	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	12	(G4525xG3353)x(G2115xG5476)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	13	(G3627xG3353)x(G1741xG5478)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	14	(G4122xG3353)x(G2005xG5477)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	15	(G4122xG3353)x(G3645xG5478)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	16	(G4495xG3353)x(G2539xG5476)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	17	(G4495xG3353)x(G2115xG5477)	.	.	.	.	.	.	.	N	9	9	7	1	7	80-175	
APN	18	(G3645xG1320)x(G3353xG5477)	.	.	.	.	.	.	.	N	9	1	3	1	7	80-176	
APN	19	(G3627xG1320)x(G3353xG5477)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	20	G4142xG4509	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	21	G4495xG4792	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	22	G4459xG4792	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	23	G4421xG4523	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	24	G4421xG4523	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	25	G4421xG4523	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	26	G4421xG4523	.	.	.	.	.	.	.	N	3	26	35	.	.	.	.
APN	27	G4421xG1540	.	.	.	.	.	.	.	N	4	30	1	40	.	.	.
APN	28	G4122xG4446	.	.	.	.	.	.	.	N	9	5	7	1	7	80-177	
APN	29	G4792xG4446	.	.	.	.	.	.	.	N	9	5	7	1	7	80-178	
APN	30	G4792xG4446	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	31	G3807xG4421	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	32	G3807xG4421	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	33	G3807xG4421	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	34	G4445xG4421	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	35	G4445xG4421	.	.	.	.	.	.	.	N	1	15	2	39	.	.	.
APN	36	G4445xG4421	.	.	.	.	.	.	.	N	1	15	2	38	.	.	.
APN	37	G4445xG4421	.	.	.	.	.	.	.	N	8	7	5	1	9	80-179	
APN	38	G4445xG4459	.	.	.	.	.	.	.	N	8	9	7	1	7	80-180	
APN	39	G4445xG4459	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	40	G76xG4459	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN	41	G4446xG3128	.	.	.	.	.	.	.	N	4	22	3	39	.	.	.
APN	42	G3353xG3657	NEGRO	8	21	2B	46	81	.	N	8	5	7	1	7	80-181	
											7	6	8	4	5	83-28	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
APN 43	G3353xG3657								N								
APN 44	G3353xG3657								N								
APN 45	G3353xG3657								N								
APN 46	G3353xG3657								N								
APN 47	G3597xG3657								N								
APN 48	G3597xG3657								N								
APN 49	G4494xG3657								N								
APN 50	G4494xG3657								N								
APN 51	G4494xG3657								N								
APN 52	G4494xG3657								N								
APN 53	G4791xG3657								N								
APN 54	G4791xG3657								N								
APN 55	G4791xG3657								N								
APN 56	G4470xG3657								N								
APN 57	G4470xG3657								N								
APN 58	G4460xG3657								N								
APN 59	G4460xG3657								N								
APN 60	G76xG3657		3	21	1	35			N	9	5	7	1	5	80-182		
APN 61	G76xG3657								N								
APN 62	G7136xG3657								N								
APN 63	BAT1155xG11496								N								
APN 64	BAT1155xG11496								N								
APN 65	G4837xG4421								N								
APN 66	BAT916xG3982								N								
APN 67	BAT1155xG11496								N								
APN 68	BAT1155xG11496								N								
APN 69	BAT1155xG11496		6	22	2A	36	70		N	9	8	8	7	5	83-116		
APN 70	BAT1155xG11496		6	22	3A	39	81		N	9	8	7	6	5	83-268		
APN 71	BAT1155xG11496								N								
APN 72	BAT1155xG11496								N								
APN 73	BAT1155xG11496								N								
APN 74	A25xG3982		2M	26	3A	39	73		N	9	6	9	7	5	83-865		
APN 75	A25xG3982		2M	25	3A	38	73		N	9	6	9	7	5	83-866		
APN 76	G18237xG11496								N								
APN 77	APN64xAPN18	ZAMORANO	6	22	2B	33	63		N	9	1	7	7	5	86-155		
APN 78	APN64xAPN18								N								
APN 79	APN64xAPN18								N								
APN 80	APN64xAPN18								N								
APN 81	APN64xAPN18								N								
APN 82	APN64xAPN18	HONDURAS 46	6	21	2B	33	67	1	N	9	6	8	7	7	86-156		
APN 83	APN64xAPN18								N								
APN 84	APN64xAPN18	ROSADO	6	23	2B	34	70		N	8	1	7	6	7	86-157		
APN 85	APN64xAPN18								N								
APN 86	APN18xG4421								N								
APN 87	APN64xAPN18								N								
APN 88	APN64xAPN18	ZAMORANO	6	22	3	34	72		N	9	1	7	6	7	86-158		
APN 89	APN18xBAT340								N								
APN 90	APN64xG4421	NEGRO OPACO	8	22	3	34	70		N	9	7	7	6	4	86-49		
APN 91	APN64xG4421								N								
APN 92	APN18xBAT340	NEGRO OPACO	8	19	2B	33	70		N	9	1	8	7	7	86-50		
APN 93	APN18xBAT340	NEGRO BRILLANTE	8	19	2B	33	68	1	N	9	6	6	7	7	86-51	89	
APN 94	APN18xBAT340	NEGRO OPACO	8	19	2A	34	67	1	N	9	2	7	7	7	86-52		
APN 95	BAT1310xDOR177								N								
APN 96	RAB56xG3578								N								
APN 97	RAB56xG3578								N								
APN 98	RAB56xG3578								N								

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBE	ALS	Rust	Yr	Ent	YAN
APN 99	RAB56xG3578	ZAMORANO	6	15	3	32	66	.	N	.	8	7	8	2	90-415	
APN 100	RAB56xG8142		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 101	RAB56xG8142	ZAMORANO	6	24	3	35	72	.	N-M	.	5	7	4	2	90-373	
APN 102	RAB56xG8142	ZAMORANO	6	25	3	32	74	1	N	.	6	7	7	2	90-411	
APN 103	RAB56xG8142	ZAMORANO	6	26	3	32	72	1	N	.	6	7	7	6	90-412	
APN 104	RAB56xG8142	ZAMORANO	6	29	3	30	72	1	N	.	6	7	7	7	90-413	
APN 105	RAB56xG8142		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 106	RAB56xG8142	ZAMORANO	6	25	3	34	72	8	N	.	6	7	8	6	90-414	
APN 107	RAO30xG13614	ZAMORANO	6	24	3	34	74	1	N	.	4	6	7	7	90-374	
APN 108	RAO30xG13614	ZAMORANO	6	25	3	34	72	6	N	.	6	7	7	3	90-375	
APN 109	RAB49xG13614		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 110	RAB49xG13614		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 111	RAB56xG13614		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 112	RAB56xG13614		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 113	RAB56xG13614		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 114	RAB56xG13614		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 115	RAB56xG13614		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 116	RAB56xG13614		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 117	RAB56xG13602		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 118	SEL839xSEL841		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 119	SEL839xSEL841		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 120	SEL839xSEL838		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 121	SEL839xSEL838		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 122	SEL839xSEL838		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 123	SEL839xSEL838		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 124	SEL839xAPN83		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 125	SEL839xAPN83		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 126	SEL839xAPN83		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 127	SEL839xAPN83		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 128	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 129	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 130	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 131	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 132	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 133	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 134	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 135	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 136	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 137	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 138	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 139	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 140	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 141	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 142	SEL839xAPN18		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 143	RAB205xSEL839		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 144	RAB205xSEL839		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 145	RAB205xSEL839		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 146	RAB205xSEL839		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 147	RAB205xSEL839		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 148	RAB205xSEL839		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 149	RAB205xSEL839		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 150	RAB205xSEL839		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 151	RAB205xSEL841		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 152	RAB205xSEL841		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 153	RAB205xSEL841		.	.	.	.	.	.	N	.	.	.	.	.	.	.
APN 154	RAB205xSEL841		.	.	.	.	.	.	N	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed col.	Wt	Hab	Fl	Mt	Fot	RCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
APN 155	RAB205xSEL841																
APN 156	RAB205xSEL841																
APN 157	MCD2004xAPN83																
APN 158	MCD2004xAPN83																
APN 159	RAB205x (SEL839xSEL841)																
APN 160	(G14027x(G14027x(G14027xRAB49)))x...																
APN 161	(G14027x(G14027x(G14027xRAB49)))x...																
APN 162	(G14027x(G14027x(G14027xRAB49)))x...																
APN 163	(G14027x(G14027x(G14027xRAB49)))x...																
APN 164	(G14027x(G14027x(G14027xRAB49)))x...																
APN 165	(G14027x(G14027x(G14027xRAB49)))x...																
APN 166	(G14027x(G14027x(G14027xRAB49)))x...																
APN 167	(G17661x(G17661x(G17661xRAB49)))x...																
APN 168	(G18452x(G18452x(G18452xRAO33)))x...																
APN 169	(G18452x(G18452x(G18452xRAO33)))x...																
APN 170	(G18452x(G18452x(G18452xRAO33)))x...																
APN 171	(G18452x(G18452x(G18452xRAO33)))x...																
ARA 1	A113xG1805	CARIOCA	2R	25	2B	39	71	.	N	.	4	4	5	6	89-75		
ARA 2	G17702x(XAN76xG3991)F1	CARIOCA	2R	21	2A	39	63	.	N	.	5	4	5	7	89-76		
ARA 3	(A445x(A249xBAT1297)F1)F1x((G15416x...	OJO DE CABRA	2R	30	3	39	67	.	N	.	7	5	5	5	89-156		
ARA 4	(G12727xBAT304)F1x(A321xBAT477)F1	MULATINHO	2	29	3	35	67	.	N	.	5	6	7	5	89-133		
ARA 5	FAT5Bx(G12727xBAT304)F1	MULATINHO	2	25	3	38	76	3	N	.	4	5	4	7	90-110		
ARA 6	(A338xG5054)F1x(A252xXAN87)F1	MULATINHO	2	24	2B	38	61	.	N	.	5	6	6	3	89-134		
ARA 7	A321x(BAT76x(BAT477x(G18446x...	BICO DE OURO	2	32	3	35	68	.	N	.	7	.	7	3	89-41		
ARA 8	A321xG811	BICO DE OURO	2	38	3	36	86	8	N	.	4	5	5	8	90-58		
ARA 9	A252x(RAO12xG1796)F1	ZAMORANO	6	26	3	39	76	.	N	.	1	4	7	5	90-416		
ARA 10	A252x(RAO12xG1796)F1	ROSNHA	5	28	3	38	73	3	N	.	3	4	7	2	90-197		
ARA 11	A252x(RAO12xG1796)F1	BAYO ANDINO	2	24	3	38	86	7	N	.	1	6	7	6	90-25		
ARA 12	(A59xG18446)F1x(MAM4xG2858)F1	BAYO ANDINO	2	42	3	32	79	8	N	.	1	7	8	6	90-26		
ARA 13	(A375xG802)F1x(S28440x(G2333x(...	NEGRO OPACO	8	40	3	35	87	8	N	.	1	4	7	7	90-450		
ARA 14	G2402x((A321xG18350)F1x(BAT336x(...	PINTO	2P	31	3	32	68	2	N	.	1	7	9	8	90-131		
ARA 15	G15821x(MAM11x(G2793x(A252x...	JALO/MANTECA	2	35	3	35	78	8	N	.	1	6	7	7	90-106		
ARA 16	(MAM13xG15821)F1x((A410xG1764)F1x(...	BAYO ANDINO	2	45	3	35	79	8	N	.	1	5	7	8	90-27		
ARA 17	(XAN40x(MAM4xG2858)F1)F1x((A321x...	PINTO	2P	36	3	32	80	8	N	.	1	7	8	8	90-132		
ARA 18	MAM13xG4017	JALINHO	3	25	3	37	75	1	N	.	2	4	7	7	90-173		
ARA 19	A227xG2333	NEGRO OPACO	8	24	3	31	90	.	N	.	1	5	7	4	90-451		
ARA 21	(A375xG802)F1x(S28440x(G2333x(...	NEGRO OPACO	4	42	3	36	76	.	N	.	1	7	7	7	90-176		
ASC 1	G5702xG3366	NEGRO	8	17	4A	.	148	8	M	.	2	9	7	4	85-620		
ASC 2	G6074xVII1623-14	NEGRO	8	25	4A	.	143	6	N	.	6	9	6	5	85-621		
ASC 3	G6074xVII1623-14	NEGRO	8	18	4A	.	143	4	N	.	6	9	6	7	85-622		
ASC 4	G6074xVII1623-14	NEGRO	8	18	4A	.	143	7	N-M	.	6	7	7	7	85-623		
ASC 5	G6074xVII1623-14	NEGRO	8	20	4A	.	.	8	N	.	7	9	5	7	85-624		
ASC 6	G11817xG5653	NEGRO	8	21	4A	.	148	8	M	.	4	9	6	6	85-625		
ASC 7	G5653xG5694	NEGRO	8	20	4A	.	143	8	N	.	3	9	7	6	85-626		
ASC 8	G11629xG10655	NEGRO BRILLANTE	8	30	4A	63	135	8	N	.	2	6	6	4	86-1231		
ASC 9	G11917xG5960	NEGRO BRILLANTE	8	.	.	.	.	.	M	9	.	7	5	4	86-48	
ASC 10	G11917xG10801	NEGRO SEMIBRILLA	8	22	4A	66	135	.	M	.	2	6	5	4	86-1232		
ASC 11	G11917xG10801	NEGRO BRILLANTE	8	22	4A	66	143	.	M	.	2	6	6	4	86-1233		
ASC 12	G11917xG10595	NEGRO BRILLANTE	8	26	4A	66	135	.	M	.	.	6	4	4	86-1234		
ASC 13	G11917xG10595	NEGRO BRILLANTE	8	26	4A	66	135	.	M	.	2	6	7	4	86-1235		
ASC 14	G11933xG10655	NEGRO BRILLANTE	8	19	4A	66	135	.	M	.	2	6	7	4	86-1236		
ASC 15	G11933xG10801	NEGRO BRILLANTE	8	21	4A	63	135	.	M	.	2	6	7	5	86-1237		
ASC 16	G11933xG10801	NEGRO BRILLANTE	8	22	4A	63	135	.	M	.	2	6	7	4	86-1238		
ASC 17	G11933xG10801	NEGRO BRILLANTE	8	22	4A	66	135	.	M	.	2	6	7	4	86-1239		
ASC 18	G11933xV80030	NEGRO BRILLANTE	8	25	4A	63	135	8	N	.	2	7	7	7	86-1240		
ASC 19	G10747xG5960	NEGRO BRILLANTE	8	24	4A	66	135	6	M-N	.	2	7	7	5	86-1241		

Line	Cross	Cult. type	Seed			Days to							VEF	IB				
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN	
ASC	20	G10747xG10595	NEGRO	BRILLANTE	8	30	4A	63	143	.	M	.	2	6	7	5	86-1242	
ASC	21	G10774xG10595	NEGRO	BRILLANTE	8	27	4A	63	135	.	M	.	3	6	7	4	86-1243	
ASC	22	G6040xV80017	NEGRO	SEMIBRILLA	8	28	4A	66	135	.	M	.	3	7	6	5	86-1244	
ASC	23	G5926xG10595	NEGRO	SEMIBRILLA	8	33	4A	63	135	.	M-N	.	2	7	7	5	86-1245	
ASC	24	G6339xG6074	NEGRO	SEMIBRILLA	8	27	4A	56	114	8	N-M	9	4	7	7	4	87-665	
ASC	25	G6342xG5960	NEGRO	BRILLANTE	8	25	4A	59	120	8	N	9	2	7	7	3	87-666	
ASC	26	G6342xG5960	NEGRO	SEMIBRILLA	8	28	4A	55	115	8	N	9	5	7	7	3	87-667	
ASC	27	G5926xV80010	NEGRO	SEMIBRILLA	8	35	4A	55	109	.	N	.	7	6	4	3	87-668	
ASC	28	G5926xV80010	NEGRO	SEMIBRILLA	8	33	4A	55	109	.	N	.	7	7	3	3	87-669	
ASC	29	G5927xG5960	NEGRO	BRILLANTE	8	37	4A	56	124	8	N	9	4	7	6	3	87-670	
ASC	30	G6342xV80010	NEGRO	SEMIBRILLA	8	48	4A	58	115	8	M-N	9	5	7	7	4	87-671	
ASC	31	G6040xG5960	NEGRO	BRILLANTE	8	30	4A	58	125	8	N	8	3	6	7	3	87-672	
ASC	32	G6040xG5960	NEGRO	SEMIBRILLA	8	27	4A	62	125	8	N	9	5	7	6	3	87-673	
ASC	33	G6040xG5960	NEGRO	SEMIBRILLA	8	24	4A	62	114	8	N	9	6	7	7	4	87-674	
ASC	34	G6040xV80010	NEGRO	SEMIBRILLA	8	28	4A	62	121	7	N-M	9	5	7	8	3	87-675	
ASC	35	G4201xV80010	NEGRO	SEMIBRILLA	8	29	4A	56	114	4	N	9	5	7	7	4	87-676	
ASC	36	G5926xG5960	NEGRO	BRILLANTE	8	28	4A	64	134	8	N	9	2	7	7	3	87-677	
ASC	37	G5926xG5960	NEGRO	BRILLANTE	8	26	4A	59	134	8	N	9	4	7	5	4	87-678	
ASC	38	G5971xV80010	NEGRO	OPACO	8	33	4A	62	114	8	N	9	2	7	7	3	87-679	
ASC	39	G10889xV79018	SMALL	WHITE	1	27	4A	56	119	.	N	.	1	7	7	3	87-578	
ASC	40	G10889xV79018	SMALL	WHITE	1	36	4A	60	139	8	N	9	6	7	8	7	87-579	
ASC	41	G10889xV79018	SMALL	WHITE	1	34	4A	62	138	8	N-M	9	6	7	8	7	87-580	
ASC	42	G10889xV79018	SMALL	WHITE	1	37	4A	60	129	8	N	9	5	7	8	5	87-581	
ASC	43	G10889xV79018	SMALL	WHITE	1	33	4A	60	129	.	N	.	7	5	5	3	87-582	
ASC	44	CHIMAL80-4xG5767	NEGRO		8	27	4A	42	106	8	M	9	1	5	7	2	88-1250	
ASC	45	CHIMAL80-4xG5767	NEGRO		8	28	4A	42	104	8	M	9	1	6	7	3	88-1251	
ASC	46	G10516xG5767	NEGRO		8	24	4A	41	116	8	M	9	2	6	7	2	88-1252	
ASC	47	G10747xG5767	NEGRO		8	28	4A	42	116	8	M	9	1	5	3	2	88-1253	
ASC	48	G10747xG5767	NEGRO		8	29	4A	35	106	.	M	9	1	5	7	2	88-1254	
ASC	49	G11820xV79018			5	36	4A	35	116	8	M	9	1	4	5	5	88-1061	
ASC	50	G12292xV79018			2	34	4A	38	116	.	M	9	.	.	5	3	88-1040	
ASC	51	G6074xG35182			2	24	4B	38	116	.	M	9	.	.	5	2	88-1041	
ASC	52	G14288xVRA81059	RED MEXICAN		6	29		76	.	.	M	.	1	.	7	7	89-902	
ASC	53	G11682xVRA81059	RED MEXICAN		6	26		88	.	.	M	.	1	.	7	7	89-901	
ASC	54	G14016xVRA81059	NIMA		6M	35		86	.	.	M	.	1	.	7	3	89-888	
ASC	55	G10820xVRA81003	WHITE KIDNEY		1	48		78	.	.	M	.	1	.	6	3	89-823	
ASC	56	G10820xVRA81003			1	35		86	.	.	N	.	3	7	5	4	89-814	
ASC	57	G12666xG13922	SUGAR		2M	45		81	.	.	M	.	1	4	7	6	89-851	
ASC	58	G12666xVRA81059	AZUFRAO		3	33		81	.	.	M	.	1	6	7	7	89-852	
ASC	59	EMP81xA411	MULATINHO		2	26	2B	42	74	.	N	.	1	7	7	2	91-55	
ASC	60	EMP81xBAT93	BICO DE OURO		2	21	2A	41	70	.	N	.	6	7	7	6	91-25	
ASC	61	BAT1215xA411	BICO DE OURO		2	32	2A	41	71	.	N	.	1	7	8	4	91-26	
ASC	62	BAT1569xBAT1215	ZAMORANO		6	20	2A	41	71	.	N	.	8	6	8	7	91-175	
ASC	63	G6040xVRA81058	NEGRO		8	.	.	.	.	.	N	.	4	6	7	2	92-1042	
ASC	64	G6040xVRA81058	NEGRO		8	.	.	.	.	.	M	.	1	7	7	2	92-1043	
ASC	65	G6040xVRA81058	NEGRO		8	.	.	.	.	.	M	.	1	6	7	4	92-1044	
ASC	66	G6040xVRA81058	NEGRO		8	.	.	.	.	.	M	.	1	7	7	2	92-1045	
ASC	67	G6040xZAV83030	NEGRO		8	.	.	.	.	.	M	.	2	7	4	2	92-1046	
ASC	68	S27312xG10889	NAVY		1	.	.	.	.	.	N	.	1	7	6	3	92-920	
ASC	69	S27312xG10889	NAVY		1	.	.	.	.	.	N	.	1	7	5	3	92-921	
ASC	70	S27312xG10889	NAVY		1	.	.	.	.	.	N	.	1	6	7	3	92-923	
ASC	71	S27312xG10889	NAVY		1	.	.	.	.	.	N	.	1	7	.	3	92-924	
BAG	1	APR403x (ABAS3xBAN53)	ALUBIA		1	44	1	35	84	.	N	.	5	6	5	4	93-1	
BAN	1	BAT755xG76			2	31	1	36	73	.	N	9	8	7	4	1	83-870	
BAN	2	BAT755xG76			2	34	1	36	73	1	N	9	8	7	6	1	83-871	
BAN	3	BAT883xG5707			3	16	2A	41	81	.	N	9	8	8	8	1	83-893	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
BAN 4	BAT883xG5707		3	17	1	41	81	.	N	9	8	7	3	1		83-884	
BAN 5	G14013x(G5897xSEL106)		.	.	.	.	.	.	N	.	.	.	.	.
BAN 6	BAT1235xBAT93		3	20	3A	37	70	.	N	9	6	7	5	5		83-921	
BAN 7	BAT1225xG76		2	34	1	34	82	.	N	9	6	7	6	1		83-873	
BAN 8	BAT93xBAT1230		3	18	3A	40	73	.	N	9	8	7	6	5		83-922	
BAN 9	BAT841xBAT1230		3	23	3B	35	81	.	N	9	6	6	8	5		83-998	
BAN 10	BAT93x(G4523xSEL122)		3	17	2A	42	88	.	N	9	6	6	5	1		83-892	
BAN 11	BAT93x(G6401xSEL143)		4	22	1	32	70	.	N	9	8	6	8	5		83-876	
BAN 12	BAT1235xBAT93		2	21	3B	36	70	.	N	9	6	7	5	1		83-932	
BAN 13	BAT1235xBAT93		2	21	3B	40	73	.	N	9	6	7	5	1		83-931	
BAN 14	BAT271xBAT1320		4	20	2B	40	70	.	N	7	7	8	3	1		83-901	
BAN 15	BAT883xG5707		2	17	2A	46	85	.	N	9	8	7	3	1		83-886	
BAN 16	G5704x(G5704xSEL103)		4	25	1	39	85	.	N	9	7	7	6	1		83-877	
BAN 17	BAT883xG5707		3	21	1	40	85	.	N	9	8	7	5	1		83-885	
BAN 18	A62xBAT1225		4	23	2B	35	70	.	N	9	8	7	6	5		83-900	
BAN 19	BAT1225xG76		4	30	2B	35	75	.	N	9	6	7	7	5		83-899	
BAN 20	G6402xG4473	BAYO ANDINO	2	25	1	42	86	.	N	7	9	8	4	3		84-491	
BAN 21	BAT755xG76	BAYO ANDINO	2	43	1	42	79	1	N	7	9	8	5	5		84-492	86
BAN 22	BAT883xG5707	BAYO ANDINO	2	26	1	49	87	3	N	8	8	8	6	5		84-493	86
BAN 23	G14013x(G5897xSEL106)		2	40	1	47	83	.	N	6	7	8	4	5		84-494	86
BAN 24	BAT1250xBAT1320	BICO DE OURO	2	25	2	46	80	.	N	6	5	7	5	7		84-495	
BAN 25	G13922xA195		2	51	1	44	87	5	N	7	6	7	5	3		84-496	86
BAN 26	G13922xA195	BAYO ANDINO	2	51	1	43	80	4	N	7	6	9	3	5		84-497	86
BAN 27	BAT1555xG5707		2	33	1	53	94	3	N	8	9	8	4	5		84-498	86
BAN 28	BAT1223xG5896	BAYO ANDINO	2	55	1	42	89	3	N	7	7	7	7	3		84-499	86
BAN 29	BAT1223xG1271	BAYO ANDINO	2	54	1	42	80	3	N	8	8	8	6	5		84-500	86
BAN 30	BAT1372xA195	BAYO ANDINO	2	54	1	42	83	3	N	7	6	7	5	5		84-501	86
BAN 31	BAT1372xA195	BAYO ANDINO	2	51	1	42	78	2	N	7	6	6	5	3		84-502	86
BAN 32	BAT1696xBAT1704	BAYO ANDINO	2	35	1	42	80	.	N	7	8	5	5	3		84-503	
BAN 33	BAT1696xBAT1586	BAYO ANDINO	2	51	1	49	84	4	N	7	8	8	6	3		84-504	86
BAN 34	BAT1696xBAT1586	BAYO ANDINO	2	43	1	42	77	.	N	8	8	7	4	3		84-505	
BAN 35	BAT1584xBAT1326	BAYO ANDINO	2	32		43	80	.	N	8	8	8	6	3		84-506	
BAN 36	BAT1690xBAT1344	BAYO ANDINO	2	38	1	43	81	.	N	8	9	7	4	3		84-507	
BAN 37	BAT1690xBAT1705	BAYO ANDINO	2	36	1	43	77	.	N	8	9	8	4	3		84-508	
BAN 38	BAT1690xBAT1705	BAYO ANDINO	2	29	1	41	73	.	N	7	9	9	4	5		84-509	
BAN 39	G4452xA57	BAYO ANDINO	2	37	1	46	81	.	N	7	7	8	6	5		84-510	
BAN 40	SEL174xA195	BAYO ANDINO	2	36	1	44	87	.	N	7	6	8	4	3		84-511	
BAN 41	BAT1223xA195		.	.	.	.	.	.	N	.	.	.	.	.
BAN 42	BAT1225xG76	BAYO ANDINO	3	23	2	41	68	7	N	9	7	9	7	5		85-627	
BAN 43	BAT1464xG17713	BAYO ANDINO	3	33	1	36	70	8	N	7	8	7	7	6		85-628	
BAN 44	BAT1758xA157	BAYO ANDINO	3	27	2	36	73	4	N	8	5	6	6	5		85-629	
BAN 45	BAT1696xBAT1584	BAYO ANDINO	3	35	1	35	73	7	N	9	9	8	6	5		85-630	
BAN 46	BAT1746xBAT1388	BAYO ANDINO	3	29	1	40	75	8	N	9	6	8	7	5		85-631	
BAN 47	BAT1223xG5896		2J	41	1	31	71	4	N-M	9	7	7	6	4		86-793	
BAN 48	BAT1223xG6402	BAYO ANDINO	2	46	1	32	70	J	M-N	9	7	6	4	4		86-794	
BAN 49	BAT883xG5707		.	.	.	.	.	.	M-N	.	.	.	.	.
BAN 50	G6402xG4473		.	.	.	.	.	.	M-N	.	.	.	.	.
BAN 51	BAT1250xBAT1320		.	.	.	.	.	.	M-N	.	.	.	.	.
BAN 52	BAT1693xBAT1327		.	.	.	.	.	.	M-N	.	.	.	.	.
BAN 53	G11891xMOC2	BAYO ANDINO	2	43	1	31	61	.	N	.	7	8	7	2		87-294	
BAN 54	G17713xMOC3	BAYO ANDINO	2	37	1	31	58	.	N	.	8	7	8	3		87-295	
BAN 55	A126xG17715	MULATINHO	2	19	2B	35	67	.	N	.	7	7	8	5		87-296	
BAN 56	BAT1696xBAT1584	BAYO ANDINO	2	34	1	33	68	.	N	.	8	7	7	2		87-297	
BAN 57	MOC2xG17713	BICO DE OURO	2	26	2	37	69	.	N	.	2	7	6	4		87-298	
BAN 58	A126xG5724	MULATINHO	2	31	2A	37	71	.	N	.	8	7	7	3		87-299	
BAN 59	A126xG17715	BICO DE OURO	2	27	2	38	71	.	N	.	8	7	6	3		87-300	

Line	Cross	Cult. type	Seed			Days to							VRF	IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
BAN 60	G18348xBAT1232		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
BAN 61	G18411xBAT1388		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
BAN 62	G18255xBAT1258		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
BAN 63	A485xSEL267		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
BAN 64	A485xSEL267		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
BAN 65	G76xG13094		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
BAN 66	G18258xPAD2	BAYO MEXICANO	2	40	1	32	62	.	N	.	6	7	7	7	89-33		
BAN 67	BAT1373xG17331	BAYO ANDINO	2	42	1	30	63	.	N	.	6	.	6	5	89-28		
BAN 68	G18258xPAD2		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
BAN 69	G22248xSEL972	BAYO ANDINO	2	37	3	34	71	4	N	.	5	7	5	3	92-170		
BAN 70	G5167xSEL972	BAYO ANDINO	2	34	2A	33	68	1	N	.	5	8	7	4	92-171		
BAT 1	(G3645xG2005) x (G3645xG1741)	NEGRO	8	.	.	.	.	1	N	.	.	.	.	.	.	.	.
BAT 2	(G4495xG3645) x (G3645xG5479)	NEGRO	8	.	.	.	.	1	N	.	.	.	.	.	.	.	.
BAT 3	(G3645xG2056) x (G2056xG5479)	NEGRO	8	21	2	47	.	1	N-M	7	8	7	.	2	78-1348	78	
BAT 4	G4495xG5479	NEGRO	8	21	2	42	.	3	N	7	8	7	.	8	78-1331	78	
BAT 5	(G4495xG3645) x (G4495xG5479)	NEGRO	8	21	2	40	.	2	N-M	7	8	7	.	8	78-1345	78	
BAT 6	(G3645xG5479) x (G2056xG5478)	NEGRO	8	21	2	43	.	1	M-N	6	8	7	.	8	78-1347	78	
BAT 7	G3645xG2005	NEGRO	8	21	2	41	.	1	N	6	8	7	.	8	78-1328	78	
BAT 8	(G3645xG5479) x (G2056xG5479)	NEGRO	8	21	2	41	.	1	N-M	6	8	7	.	8	78-1346	78	
BAT 9	G4495xG3736	NEGRO	8	21	2	43	.	3	N	7	8	7	.	8	78-1349	78	
BAT 10	G3627xG1741	NEGRO	8	21	2	42	.	3	N	7	8	7	.	8	78-1350	78	
BAT 11	(G3709xG2045) x (G3664xG5694)	NEGRO	8	21	2	.	.	1	N	7	8	7	.	8	78-1353	78	
BAT 12	G4495xG3645	NEGRO	8	21	2	42	.	2	N	7	8	7	.	8	78-1330	78	
BAT 13	G2084xG832	NEGRO	8	21	2	.	.	1	N	7	8	7	.	8	78-1351	78	
BAT 14	(G4495xG5479) x (G3645xG5479)	NEGRO	8	21	2	39	.	2	N	7	8	7	.	8	78-1343	78	
BAT 15	(G3645xG5479) x (G4142xG5479)	NEGRO	8	21	2	41	.	1	N-M	7	8	7	.	5	78-1344	78	
BAT 16	G3645xG5479	NEGRO	8	21	2	42	.	2	N-M	7	8	7	.	8	78-1329	78	
BAT 17	G4495xG4485	NEGRO	8	21	2	.	.	3	N	6	8	7	.	8	78-1352	78	
BAT 18	(G3645xG4142) x (G3645xG5479)	NEGRO	8	21	2	38	.	2	N-M	7	8	7	.	8	78-1342	78	
BAT 19	G4495xG2115		4	21	2	39	.	8	M-N	7	8	7	.	8	78-1340	78	
BAT 20	G4495xG2115	NEGRO	8	.	.	.	.	8	M-N	.	.	.	.	.	.	.	.
BAT 21	G3645xG5478		1	21	2	39	.	1	N	8	8	9	.	8	78-1332	78	
BAT 22	G4495xG2115		4	21	2	40	.	8	N	5	8	7	.	8	78-1341	78	
BAT 23	G3645xG2115		3	21	2	40	.	1	N	6	2	7	.	8	78-1333	78	
BAT 24	G3645xG2115	HONDURAS 46	6	22	3	52	86	4	N	7	6	7	7	5	84-42	78	
BAT 25	G3645xG2115		4	21	2	40	.	4	N-M	6	8	7	.	8	78-1335	78	
BAT 26	G3645xG2115		5	21	2	40	.	4	M	7	8	7	.	8	78-1334	78	
BAT 27	G3645xG2115		6	21	2	45	.	8	N	6	8	7	.	8	78-1339	78	
BAT 28	G3645xG2056	NEGRO	8	.	.	.	.	2	N	.	.	.	.	.	.	.	.
BAT 29	G3645xG2115		6	21	2	44	.	8	N	7	8	7	.	8	78-1338	78	
BAT 30	G3645xG2115		6	21	2	41	.	1	N-M	6	8	7	.	8	78-1336	78	
BAT 31	G3645xG2115		6	21	2	42	.	8	N	7	8	7	.	8	78-1337	78	
BAT 32	G3645xG2115	NEGRO	8	.	.	.	.	8	N	.	.	.	.	.	.	.	.
BAT 33	G3645xG2115	NEGRO	8	.	.	.	.	1	N	.	.	.	.	.	.	.	.
BAT 34	G3645xG2115	NEGRO	8	.	.	.	.	1	N	.	.	.	.	.	.	.	.
BAT 35	G3645xG2115	NEGRO	8	.	.	.	.	1	N	.	.	.	.	.	.	.	.
BAT 36	G3645xG2056		6	21	3A	37	70	.	N	4	8	7	3	8	79-99		
BAT 37	G3645xG2056		6	21	3A	37	70	4	N	4	8	7	3	8	79-100	80	
BAT 38	G3645xG2056		6	21	3A	37	71	4	N	4	8	7	3	8	79-101		
BAT 39	G3645xG2056		6	21	3A	37	71	.	N	4	8	7	5	8	79-102		
BAT 40	G4122xG1320		5	21	2	38	.	3	N	8	8	9	.	8	78-878		
BAT 41	G4122xG3988		6	19	.	37	78	1	N	9	9	8	7	5	78-3	79	
BAT 42	G4122xG3988		7	21	2	38	.	1	N	8	8	7	.	8	78-880	79	
BAT 43	G3834xG3988		6	21	2	42	.	3	N	6	8	7	.	8	78-751		
BAT 44	G4122xG5653		5	21	3	38	.	2	N	4	2	7	5	2	78-881	79	
BAT 45	(G3974xG5481) x (G4525xG4485)		5	21	2	40	.	4	N-M	7	8	7	.	2	78-882		

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			ccl.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
BAT	46	G2006xG5653	7	21	3	38	.	.	N-M	6	2	7	.	2	78-883	
BAT	47	G3597xG5694	6	21	2	40	.	6	N-M	7	8	7	.	2	78-884	79
BAT	48	(G3664xG4215) x (G4525xG4485)	7	21	2	41	.	1	N	7	2	7	1	2	78-1203	79
BAT	49	G4495xG5652	8	21	2	40	.	2	N	7	8	7	5	2	78-1204	
BAT	50	G4495xG5652	8	21	2	41	.	2	N	7	8	7	5	2	78-1205	
BAT	51	G4495xG5652	8	21	2	39	.	4	N	7	8	7	5	2	78-1206	
BAT	52	G4454xG5711	8	21	2	40	.	3	N	7	8	7	7	2	78-1207	79
BAT	53	G4454xG5711	8	21	3	39	.	6	N	7	8	7	9	2	78-1208	79
BAT	54	G4454xG5711	8	21	3	40	.	3	N	7	8	7	5	2	78-1209	
BAT	55	G4495xG5711	8	21	2	38	.	3	N	7	8	7	5	2	78-1210	79
BAT	56	G4495xG5711	8	21	3	38	.	3	N	5	8	7	7	5	78-1211	
BAT	57	(G3664xG4215) x (G4525xG4485)	8	21	2	39	.	1	N	6	8	7	7	8	78-1212	
BAT	58	(G3664xG4215) x (G4525xG4485)	8	21	2	38	.	1	N	6	8	7	9	2	78-1213	79
BAT	59	(G3664xG4215) x (G4525xG4485)	8	21	2	43	.	1	N	7	8	7	.	8	78-1214	
BAT	60	(G3664xG4215) x (G4525xG4485)	8	21	2	40	.	3	N	6	8	7	.	2	78-1215	
BAT	61	(G3664xG4215) x (G4525xG4485)	8	21	2	40	.	1	N	5	8	7	5	8	78-1216	
BAT	62	(G3664xG4215) x (G4525xG4485)	8	21	2	39	.	1	N	7	8	7	.	8	78-1217	
BAT	63	(G3664xG4215) x (G4525xG4485)	8	21	2	38	.	2	N	7	5	9	.	2	78-1218	
BAT	64	(G3627xG4525) x (G3834xG5694)	8	21	2	39	.	1	N	7	5	7	.	2	78-1219	79
BAT	65	(G3627xG4525) x (G3834xG5694)	8	21	2	39	.	1	N	7	5	7	.	2	78-1220	79
BAT	66	(G3627xG4525) x (G3834xG5694)	8	21	2	39	.	1	N	7	5	9	3	2	78-1221	
BAT	67	(G3664xG2045) x (G4792xG5694)	8	21	2	44	.	1	N	6	5	9	.	2	78-1222	79
BAT	68	(G3664xG2045) x (G4792xG5694)	8	21	2	44	.	2	N	7	5	7	.	2	78-1223	79
BAT	69	(G3664xG2045) x (G4792xG5694)	8	21	2	41	.	1	N	7	8	7	.	8	78-1224	
BAT	70	(G3664xG2045) x (G4792xG5694)	7	21	2	40	.	1	N	7	8	7	.	2	78-1225	79
BAT	71	(G3664xG2045) x (G4792xG5694)	8	21	2	39	.	1	N	6	8	7	.	8	78-1226	
BAT	72	(G3664xG2045) x (G4792xG5694)	8	21	2	42	.	1	N	6	2	7	1	2	78-1227	79
BAT	73	(G3664xG2045) x (G4792xG5694)	8	21	2	40	.	.	N	7	2	7	.	2	78-1228	
BAT	74	(G1741xG2045) x (G4792xG5694)	8	21	2	40	.	1	N	6	8	7	.	8	78-1229	
BAT	75	(G1741xG2045) x (G4792xG5694)	8	21	2	38	.	1	N	6	8	7	.	2	78-1230	79
BAT	76	(G1741xG2045) x (G4792xG5694)	8	19	2	41	.	2	N	9	3	9	1	2	78-1231	79
BAT	77	G3696xG5652	8	21	2	40	.	1	N	6	8	7	.	8	78-1232	
BAT	78	G3696xG5652	8	21	.	46	.	1	N	7	8	7	.	8	78-1233	79
BAT	79	G4525xG4977	8	21	.	42	.	1	N	6	8	7	.	8	78-1234	79
BAT	80	G4525xG4977	8	21	2	40	.	1	N	6	8	7	.	8	78-1235	
BAT	81	G4525xG4977	8	21	2	40	.	1	N	7	8	7	.	8	78-1236	
BAT	82	G4792xG5476	1	21	2	37	.	3	N	8	8	7	.	2	78-855	79
BAT	83	G4792xG5481	1	21	3	40	.	1	N	6	8	7	.	2	78-856	79
BAT	84	(G3834xG5481) x (G4792xG2045)	2M	21	3/2	45	.	.	N	7	8	7	5	2	78-891	
BAT	85	(G3834xG4493) x (G4792xG5694)	2	21	2	41	.	2	N	6	8	7	.	2	78-932	79
BAT	86	G4421xG5652	2	21	2	40	.	1	N	7	8	7	5	8	78-922	
BAT	87	G2539xG4465	2	21	2	43	.	.	N-M	7	8	7	.	2	78-933	
BAT	88	(G4454xG1320) x (G4122xG5478)	3	21	2	43	.	3	N	7	8	7	.	8	78-939	
BAT	89	(G3834xG5481) x (G4792xG2045)	2M	21	3	38	.	3	N	9	2	7	.	2	78-893	
BAT	90	(G3834xG5481) x (G4792xG2045)	2M	21	2	38	.	1	N	8	.	7	.	8	78-892	
BAT	91	(G3709xG1320) x (G3645xG5478)	3	21	2	38	.	3	N	7	8	7	.	8	78-950	
BAT	92	G4792xG5476	2M	21	3	36	.	2	N	8	8	7	.	2	78-894	
BAT	93	(G3709xG1320) x (G3645xG5478)	2	19	2	39	.	8	N	8	2	3	1	3	78-543	79
BAT	94	G3128xG3988	7	21	2	39	.	1	N	7	8	9	.	2	78-1010	
BAT	95	G4495xG5481	4	21	2	40	.	.	N	7	8	9	3	8	78-1011	
BAT	96	G4495xG5481	4	21	2	39	.	3	N	7	8	7	.	8	78-1012	
BAT	97	G4495xG5481	4	21	2	40	.	3	N	8	8	7	.	8	78-1013	
BAT	98	(G4495xG5694) x (G3974xG2045)	4	21	2	41	.	1	N	6	8	7	.	8	78-1014	
BAT	99	(G3974xG4215) x (G3834xG4485)	4	21	2	42	.	4	N	8	8	7	.	2	78-936	79
BAT	100	(G3974xG4493) x (G3709xG4489)	4	21	2	39	.	1	N	7	5	7	.	2	78-1015	79
BAT	101	G3974xG4465	4	21	2	41	.	3	N	8	8	7	5	8	78-1016	

Line	Cross	Cult. type	Seed			Days to								VEF Yr Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust
BAT 102	G3834xG3988		4	21	2	40	.	.	N	8	8	7	.	8	78-1017	
BAT 103	G3834xG3988	NEGRO	8	21	2	42	.	4	N	8	8	7	.	2	78-1018	
BAT 104	(G4792xG1320) x (G3645xG5478)		4	21	2	36	.	1	N	8	8	7	5	2	78-1019	79
BAT 105	G4122xG3988		6	21	2	43	.	.	N-M	7	8	7	7	2	78-752	
BAT 106	G4122xG3988		5	21	3	42	.	8	N	8	8	7	5	8	78-885	79
BAT 107	G2539xG4465		2	21	2	43	.	1	N-M	7	2	7	.	2	78-934	
BAT 108	(G3709xG1320) x (G4525xG5478)		2	21	2	37	.	8	N	7	2	7	.	5	78-941	79
BAT 109	G4495xG5481		7	21	2	38	.	.	N	8	2	7	.	8	78-895	
BAT 110	(G4792xG1320) x (G3645xG5478)		7	21	2/3	38	.	1	N	8	8	7	5	2	78-1020	
BAT 111	G3128xG3988		4	21	2	38	.	.	N	6	8	7	.	8	78-1021	
BAT 112	G4792xG4489	NEGRO	8	21	2	40	.	3	N	7	8	7	.	2	78-1237	
BAT 113	(G1741xG2045) x (G4792xG5694)	NEGRO	8	21	2	42	.	.	N	7	5	7	.	2	78-1238	
BAT 114	G3834xG5711	NEGRO	8	21	2	40	.	3	N	7	8	7	.	2	78-1239	79
BAT 115	G4525xG4977	NEGRO	8	21	2	40	.	1	N	7	8	7	.	8	78-1240	
BAT 116	G3645xG5479	NEGRO	8	21	2	43	.	.	N	5	8	7	.	2	78-1	
BAT 117	G3645xG5479	NEGRO	8	21	2	43	.	.	N	5	8	7	.	2	78-2	
BAT 118	G3645xG2115		5	21	2	46	.	.	N-M	6	8	7	.	8	78-3	
BAT 119	G4495xG2115		3	21	2/3	46	.	.	N	5	8	5	.	8	78-4	
BAT 120	G3645xG5481		2M	21	2	43	.	.	N	8	8	7	.	8	78-5	
BAT 121	G4495xG5481		2M	21	2	40	.	.	N-M	5	8	5	.	8	78-6	
BAT 122	G4495xG5481		4	21	3	41	.	.	N	7	8	7	.	5	78-7	
BAT 123	G4495xG5481		4	21	2	41	.	.	N	7	8	9	.	5	78-8	
BAT 124	(G3645xG5478) x (G2056xG5478)		1	21	2	41	.	.	N	8	8	7	.	8	78-9	
BAT 125	(G4495xG5481) x (G3645xG5481)		4M	21	2	43	.	4	N	6	8	7	.	8	78-10	
BAT 126	(G4495xG3645) x (G4495xG5481)		3	21	2	43	.	.	N	7	8	7	.	8	78-11	
BAT 127	G4792xG1996	NEGRO	8	21	3	41	.	.	N	7	8	7	.	2	78-12	
BAT 128	G3834xG3736	NEGRO	8	21	2	41	.	3	N	7	8	5	.	8	78-13	
BAT 129	G3154xG5709		7	21	3	40	.	.	N	8	8	7	.	2	78-14	
BAT 130	G4792xG5476		7	32	3	37	.	.	N	9	8	3	.	2	78-18	
BAT 131	G4792xG5476		1	21	3	39	.	4	N	8	8	7	.	2	78-19	
BAT 132	G2115xG3065		4	21	3	40	.	.	N	6	.	5	.	8	78-20	
BAT 133	G2056xG3065		7	21	3	34	.	.	N	9	8	7	.	8	78-21	
BAT 134	G4122xG3065	NEGRO	8	21	3	43	.	.	N	7	8	7	5	5	78-22	
BAT 135	G4122xG3065	NEGRO	8	21	3	41	.	.	N	7	8	7	5	8	78-23	
BAT 136	G4122xG3065	NEGRO	8	21	3	40	.	.	N	8	8	7	.	5	78-24	
BAT 137	G4122xG3065	NEGRO	8	21	2	41	.	6	N	6	8	7	.	2	78-25	
BAT 138	G4122xG3065	NEGRO	8	21	2	41	.	.	N	7	8	9	5	8	78-26	
BAT 139	G4792xG3065	NEGRO	8	21	2	41	.	.	N	5	8	7	5	2	78-27	
BAT 140	G4792xG3065	NEGRO	8	21	2	41	.	3	N	5	8	7	5	2	78-28	79
BAT 141	G4495xG3816		7	21	2/1	37	.	.	N	5	8	7	5	8	78-29	
BAT 142	G2115xG5477		1	32	3	34	.	.	N	8	8	9	3	5	78-30	
BAT 143	G2005xG5477		7	32	3	37	.	.	N	8	8	7	5	2	78-31	
BAT 144	G4122xG5477		2M	21	3	41	.	.	N	9	8	5	.	8	78-32	
BAT 145	G4122xG5477		1	21	2	37	.	.	N	9	8	7	5	2	78-33	
BAT 146	G3834xG3353	NEGRO	8	21	3	37	.	J	N	7	8	9	.	2	78-34	
BAT 147	G3834xG3353	NEGRO	8	21	2	41	.	8	N	6	5	9	.	2	78-35	
BAT 148	G3834xG3353	NEGRO	8	21	2	41	.	8	N	7	2	7	3	2	78-36	
BAT 149	G3834xG3353	NEGRO	8	21	2	41	.	8	N	7	5	7	3	2	78-37	
BAT 150	G3834xG3353	NEGRO	8	21	2	40	.	.	N	6	8	7	.	2	78-38	
BAT 151	G3834xG3353	NEGRO	8	21	3	38	.	.	N	7	8	7	5	8	78-39	
BAT 152	G4122xG1320		2	21	2	39	.	.	N	7	2	5	7	8	78-40	
BAT 153	G4122xG1320		2	21	3	37	.	.	N	8	2	7	.	5	78-41	
BAT 154	G4122xG1320	NEGRO	8	21	3	39	.	4	N	7	5	7	5	2	78-42	
BAT 155	G4122xG1320		2	21	3	37	.	.	N	7	8	7	.	8	78-43	
BAT 156	G4486xG1320	NEGRO	8	21	3	34	.	.	M-N	8	8	7	5	2	78-44	
BAT 157	G4122xG5478		1	21	3	34	.	.	N	9	8	5	.	8	78-45	

Line	Cross	Cult. type	Seed			Days to							VEF		IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent
BAT 158	G3627xG5478		7	21	3	40	.	.	N	2	8	7	.	8	78-46	
BAT 159	G4792xG5478		7	21	3	34	.	.	N	8	8	5	.	2	78-47	
BAT 160	G4421xG4505		7	21	2	43	.	1	N	4	8	5	.	8	78-51	79
BAT 161	G3696xG4505		7	21	2	41	.	.	N	8	8	7	.	8	78-52	
BAT 162	G3128xG4505	NEGRO	8	21	2/3	41	.	.	N	6	8	7	.	8	78-53	
BAT 163	G4486xG4485	NEGRO	8	21	2	40	.	.	N	4	8	7	5	8	78-54	
BAT 164	G4792xG4454	NEGRO	8	21	2	40	.	.	N	7	8	9	.	2	78-56	
BAT 165	G3974xG4454	NEGRO	8	21	2	43	.	1	N	6	8	7	.	2	78-57	
BAT 166	G3974xG4454	NEGRO	8	21	2	43	.	.	N	6	8	7	.	2	78-58	
BAT 167	G3974xG4454	NEGRO	8	21	2	41	.	.	N	6	8	7	.	2	78-59	
BAT 168	G3154xG1996	NEGRO	8	21	2/3	43	.	.	N-M	6	8	7	.	2	78-60	
BAT 169	G3974xG1741		5	21	3/2	41	.	.	N	6	8	7	5	8	78-61	
BAT 170	G3974xG1741		4	21	2	40	.	.	M-N	6	8	9	.	8	78-62	
BAT 171	G3974xG1741		2	21	2	41	.	.	N-M	5	8	7	5	8	78-63	
BAT 172	G4122xG1741	NEGRO	8	21	3	41	.	.	N	5	8	7	.	8	78-64	
BAT 173	G2115xG1741		7	21	2	41	.	.	N-M	6	8	7	.	8	78-65	
BAT 174	G4792xG3762	NEGRO	8	21	2	41	.	4	N	7	8	7	.	5	78-66	
BAT 175	G4792xG3762	NEGRO	8	21	2	41	.	.	N	7	8	7	.	2	78-67	
BAT 176	G4792xG3762	NEGRO	8	21	2	41	.	.	N	7	8	7	.	2	78-68	
BAT 177	G4122xG3762	NEGRO	8	21	3	41	.	.	N	7	8	7	5	8	78-69	
BAT 178	G4454xG3738		7	21	3	39	.	.	N-M	8	8	7	.	2	78-70	
BAT 179	G4792xG3738	NEGRO	8	21	3	41	.	4	N	5	8	7	.	2	78-71	79
BAT 180	G3834xG3738	NEGRO	8	21	3	40	.	.	N	7	8	7	5	2	78-72	
BAT 181	G4525xG3804		7	32	3	41	.	.	N	6	8	7	.	8	78-73	
BAT 182	G3696xG3804		2	21	2	41	.	.	N	6	8	9	.	5	78-74	
BAT 183	G3696xG3804		7	21	3	41	.	.	N	7	8	7	.	8	78-75	
BAT 184	G4122xG3804		7	21	3	40	.	.	N	7	8	7	.	8	78-76	
BAT 185	G4122xG3804		2	21	3	40	.	.	N	7	8	7	.	2	78-77	
BAT 186	G4122xG3804	NEGRO	8	21	3	41	.	4	N	6	8	7	.	2	78-78	
BAT 187	G4122xG3804	NEGRO	8	21	3	40	.	4	N	6	8	7	.	2	78-79	
BAT 188	G4122xG3804		2	21	3	40	.	.	N	8	8	7	.	8	78-80	
BAT 189	G4122xG3804		6	21	3	37	.	1	N	8	8	7	5	2	78-81	
BAT 190	G4122xG3804		2	21	3	39	.	.	N	8	8	7	5	2	78-82	
BAT 191	G4122xG3804		6	21	3	41	.	.	N	8	8	7	7	2	78-83	
BAT 192	G4122xG3804		2	21	3	40	.	.	N	7	8	7	5	2	78-84	
BAT 193	G4122xG3804		2	21	3	40	.	.	N	7	8	7	7	2	78-85	
BAT 194	G4122xG3804		2	21	3	41	.	.	N	6	8	7	3	8	78-86	
BAT 195	G4525xG3988		2	21	3	39	.	.	N	8	8	7	3	5	78-87	
BAT 196	G4792xG3988		7	21	3	40	.	.	N	8	8	7	.	2	78-88	
BAT 197	G4792xG3988		7	21	2	41	.	.	N	7	8	7	3	8	78-89	
BAT 198	G4792xG3988		6	21	2	43	.	.	N	8	8	7	5	8	78-90	
BAT 199	G4792xG3988		6	21	3	43	.	.	N	8	8	7	.	2	78-91	
BAT 200	G3627xG3988		7	21	2/3	41	.	.	N-M	7	8	5	.	2	78-92	
BAT 201	G3696xG3988		6	21	3	41	.	.	N	8	8	5	.	5	78-93	
BAT 202	G4122xG3988		6	21	2/3	37	.	8	N	9	8	3	5	2	78-94	79
BAT 203	G4122xG3988		6	21	2	39	.	.	N	9	8	7	.	2	78-95	
BAT 204	G4122xG3988		7	21	3	41	.	.	N	8	8	7	3	8	78-96	
BAT 205	G4122xG3988		6	21	3	41	.	.	N-M	8	8	7	3	2	78-97	
BAT 206	G4122xG3988		7	21	3	41	.	.	N	7	8	7	.	8	78-98	
BAT 207	G4122xG3988		3	21	3	41	.	.	N	8	8	7	3	2	78-99	
BAT 208	G4122xG3988		2	21	3	41	.	.	N	8	8	7	5	2	78-100	
BAT 209	G4122xG3988		4	21	3	38	.	.	N	7	8	7	5	2	78-101	
BAT 210	G4122xG3988		4	21	3	40	.	.	N	8	8	7	.	2	78-102	
BAT 211	G4122xG3988		7	21	3	40	.	.	N	8	8	7	.	2	78-103	
BAT 212	G3834xG3988		7	21	3	37	.	.	N	7	8	7	.	.	78-104	
BAT 213	G3834xG3988		7	21	3	41	.	.	N	7	8	9	.	8	78-105	

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
BAT 214	G3834xG3988		7	21	2	37	.	.	N	7	8	9	.	8	78-106	
BAT 215	G3834xG3988		7	21	3	40	.	4	N	7	8	7	.	2	78-107	
BAT 216	G3670xG3988		6	21	3	41	.	.	N	7	8	7	.	5	78-108	
BAT 217	G3128xG3988		7	21	2	37	.	.	N	7	8	7	.	8	78-109	
BAT 218	G3128xG3988		7	21	3/2	40	.	.	N	7	8	7	.	8	78-110	
BAT 219	G3128xG3988		2	21	3/2	41	.	.	N	5	8	7	.	2	78-111	
BAT 220	G3128xG3988		4	21	2	40	.	8	N	7	8	7	.	2	78-112	
BAT 221	G3128xG3988		2	21	2	37	.	.	N	7	8	7	.	8	78-113	
BAT 222	G3128xG3988		2	21	2	37	.	1	N	8	8	7	.	2	78-114	
BAT 223	G3128xG3988		2J	21	2	40	.	.	N	7	8	7	.	2	78-115	
BAT 224	G3128xG3988		7	21	2	34	.	.	N	6	8	7	.	2	78-116	
BAT 225	G3128xG3988		2	21	2	40	.	.	N	6	8	7	.	8	78-117	
BAT 226	G3128xG3988		4	21	2	42	.	.	N	7	8	7	.	8	78-118	
BAT 227	G3128xG3988		4	21	2	41	.	.	N	6	8	7	.	8	78-119	
BAT 228	G3128xG3988		7	21	2	42	.	.	N	6	8	7	.	8	78-120	
BAT 229	G3128xG3988		3J	21	2	41	.	.	N	7	8	9	.	8	78-121	
BAT 230	G3128xG3988		7	21	2	41	.	.	N	7	8	9	.	2	78-122	
BAT 231	G3128xG3988		4	21	2	37	.	.	N	7	8	7	.	2	78-123	
BAT 232	G3128xG3988		5	21	2	40	.	.	N	6	8	7	.	2	78-124	81
BAT 233	G3128xG3988		4	21	2	40	.	.	N	7	8	7	.	2	78-125	
BAT 234	G3128xG3988		7	21	2	37	.	.	N	7	8	7	.	2	78-126	
BAT 235	G3128xG3988	NEGRO	8	21	2	41	.	4	N	6	8	7	5	2	78-127	
BAT 236	G3128xG3988		2	21	2	41	.	.	N	7	8	7	.	2	78-128	
BAT 237	G1741xG3988		7	21	2	42	.	.	N-M	8	8	7	.	8	78-129	
BAT 238	G4122xG5479	NEGRO	8	21	2	42	.	.	N	5	8	7	3	2	78-130	
BAT 239	G4122xG5479	NEGRO	8	21	2/3	41	.	.	N	7	8	7	3	5	78-131	79
BAT 240	G4122xG5479	NEGRO	8	21	3	41	.	3	N	5	8	7	.	2	78-132	
BAT 241	G4495xG5479	NEGRO	8	21	3	41	.	4	N	6	8	7	5	5	78-133	
BAT 242	G4495xG5479	NEGRO	8	21	3	41	.	.	N	6	8	7	3	5	78-134	
BAT 243	G4495xG5479	NEGRO	8	21	2	41	.	.	N	6	8	7	.	5	78-135	
BAT 244	G4495xG5479	NEGRO	8	21	3	42	.	3	N	5	8	7	5	5	78-136	
BAT 245	G4495xG5479	NEGRO	8	21	3	42	.	4	N	4	8	7	5	5	78-137	
BAT 246	G4495xG5479	NEGRO	8	21	3/2	43	.	.	N	6	8	7	.	5	78-138	
BAT 247	G4495xG5479	NEGRO	8	21	3	43	.	3	N	6	8	7	.	5	78-139	
BAT 248	G4792xG5479	NEGRO	8	21	3/2	43	.	8	N	5	8	7	3	5	78-140	
BAT 249	G1741xG5481		7	21	1	34	.	.	N	8	8	7	.	8	78-141	
BAT 250	G2005xG5481		4J	21	1	38	.	.	N	8	2	7	.	2	78-142	
BAT 251	G2005xG5481		4J	21	1	38	.	.	N	8	2	7	.	5	78-143	
BAT 252	G3645xG5481		7	21	2	40	.	.	N	8	8	7	.	5	78-144	
BAT 253	G3645xG5481		7	21	2	43	.	.	N	6	8	5	1	8	78-145	
BAT 254	G4122xG5481		4	21	2	43	.	.	N	7	8	5	3	8	78-146	
BAT 255	G2115xG5653		5	21	2	41	.	.	M	7	2	7	7	5	78-147	
BAT 256	G4454xG5653		4	21	2	43	.	.	N	8	5	7	7	5	78-148	
BAT 257	G3834xG5653		4	21	2	37	.	.	N	8	8	9	3	8	78-149	
BAT 258	G3834xG5653		5	21	2	37	.	6	N	7	8	7	3	2	78-150	
BAT 259	G1741xG5652	NEGRO	8	21	2	43	.	.	N	7	8	7	.	8	78-151	
BAT 260	G1741xG5652	NEGRO	8	21	2	44	.	.	N	5	8	7	.	2	78-152	
BAT 261	G1741xG5652	NEGRO OPACO	8	21	2	43	.	3	N	7	5	7	1	3	78-153	79
BAT 262	G4122xG5652	NEGRO	8	21	2	40	.	.	N	7	8	7	.	2	78-154	
BAT 263	G4122xG5652	NEGRO	8	21	3	40	.	4	N	7	8	7	5	2	78-155	
BAT 264	G4122xG5652	NEGRO	8	21	3	34	.	.	N	7	8	7	.	2	78-156	
BAT 265	(G4122xG1320) x (G3645xG5478)		.	.	.	.	.	.	N	.	.	.	.	.	.
BAT 266	G3834xG5652	NEGRO	8	21	2	37	.	4	N	7	8	7	.	2	78-157	
BAT 267	G3834xG5652	NEGRO	8	21	2	39	.	.	N	7	8	7	.	2	78-158	
BAT 268	G3834xG5652	NEGRO	8	21	3	40	.	.	N	7	8	7	.	2	78-159	
BAT 269	G4495xG5652	NEGRO	8	21	3	41	.	.	N	7	8	7	3	2	78-160	

Line	Cross	Cult. type	Seed		Days to							VRF	IB		
			col.	Wt Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
BAT 270	G4495xG5652	NEGRO	8	21 3	41	.	3	N	7	8	7	.	2	78-161	
BAT 271	G4495xG5652	NEGRO	8	21 3	42	.	4	N	7	8	7	.	2	78-162	79
BAT 272	G4495xG5652	NEGRO	8	21 3	41	.	.	N	7	8	7	.	2	78-163	
BAT 273	G4495xG5652	NEGRO	8	21 3	43	.	.	N	7	8	7	5	2	78-164	
BAT 274	G4495xG5652	NEGRO	8	21 3	41	.	.	N	7	8	7	5	2	78-165	
BAT 275	G4495xG5652	NEGRO	8	21 3/2	43	.	.	N	8	8	7	5	2	78-166	
BAT 276	G4495xG5652	NEGRO	8	21 3	41	.	.	N	7	8	7	5	2	78-167	
BAT 277	G4495xG5652	NEGRO	8	21 3	40	.	.	N	7	8	7	.	2	78-168	
BAT 278	G4495xG5652	NEGRO	8	21 3	43	.	.	N	7	8	7	3	2	78-169	
BAT 279	G4495xG5652	NEGRO	8	21 3	41	.	3	N	7	8	7	5	2	78-170	
BAT 280	G4525xG5652	NEGRO	8	21 3	40	.	2	N	5	8	7	5	2	78-171	
BAT 281	G4525xG5652	NEGRO	8	21 2	43	.	.	N	7	8	7	3	2	78-172	
BAT 282	G4525xG5652	NEGRO	8	21 2	41	.	.	N	8	8	7	3	2	78-173	
BAT 283	G4525xG5652	NEGRO	8	21 3	43	.	.	N	7	8	7	.	2	78-174	
BAT 284	G4525xG5652	NEGRO	8	21 3/2	43	.	.	N	7	8	7	3	2	78-175	
BAT 285	G4792xG5652	NEGRO	8	21 3	39	.	.	N	8	8	7	.	2	78-176	
BAT 286	G4792xG5652	NEGRO	8	21 3	40	.	.	N	8	8	7	7	2	78-177	
BAT 287	G1741xG4465	NEGRO	8	21 2	42	.	.	N	7	5	7	5	2	78-178	
BAT 288	G4122xG4465	NEGRO	8	21 3	42	.	.	N	7	8	7	3	8	78-179	
BAT 289	G2056xG5711	NEGRO	8	21 2	42	.	.	N	6	8	7	3	8	78-180	
BAT 290	G2056xG5711	NEGRO	8	21 2	43	.	.	N	6	8	7	5	8	78-181	
BAT 291	G4454xG5711	NEGRO	8	21 3	37	.	.	N	7	8	7	7	2	78-182	
BAT 292	G4454xG5711	NEGRO	8	21 3	42	.	.	N	7	8	7	7	5	78-183	
BAT 293	G4454xG5711	NEGRO	8	21 3	41	.	.	N	7	8	7	.	5	78-184	
BAT 294	G4454xG5711	NEGRO	8	21 3/2	41	.	.	N	7	8	7	7	8	78-185	
BAT 295	G4454xG5711	NEGRO	8	21 3	42	.	.	N	7	8	7	7	2	78-186	
BAT 296	G4454xG5711	NEGRO	8	21 3	41	.	.	N	6	8	7	3	2	78-187	
BAT 297	G4454xG5711	NEGRO	8	21 3	41	.	.	N	7	8	7	7	5	78-188	
BAT 298	G4454xG5711	NEGRO	8	21 3	41	.	.	N	9	8	7	5	5	78-189	
BAT 299	G4454xG5711	NEGRO	8	21 3	37	.	.	N	8	8	9	5	2	78-190	
BAT 300	G4454xG5711	NEGRO	8	21 3	37	.	.	N	7	8	9	5	5	78-191	
BAT 301	G4454xG5711	NEGRO	8	21 3	37	.	.	N	8	8	7	5	5	78-192	
BAT 302	G4454xG5711	NEGRO	8	21 3	37	.	.	N	7	8	7	5	2	78-193	
BAT 303	G4454xG5711	NEGRO	8	21 3	42	.	.	N	7	8	7	5	5	78-194	
BAT 304	G4495xG5711	NEGRO	8	23	38	72	3	N	7	8	9	7	7	78-10	79
BAT 305	G4495xG5711	NEGRO	8	21 2	43	.	.	N	7	8	7	7	2	78-196	
BAT 306	G4495xG5711	NEGRO	8	21 2	42	.	.	N	6	8	7	.	8	78-197	
BAT 307	G4495xG5711	NEGRO	8	21 2	41	.	.	N	6	8	7	.	5	78-198	
BAT 308	G4495xG5711	NEGRO	8	21 3	40	.	.	N	6	8	7	7	5	78-199	
BAT 309	G4495xG5711	NEGRO	8	21 3	37	.	3	N	6	8	7	7	5	78-200	
BAT 310	G2005xG4122	NEGRO	8	21 3	40	.	4	N	5	8	7	5	2	78-201	
BAT 311	G2084xG4194	NEGRO	8	21 2	.	.	.	N	6	8	7	3	8	78-209	
BAT 312	G4122xG3834		7J	21 2	.	.	.	N	5	8	7	5	8	78-216	
BAT 313	G1813xG4489		3	21 2	41	.	.	N-M	8	2	9	7	2	78-232	
BAT 314	G1813xG4489		3	21 2	41	.	.	N	6	8	7	5	2	78-233	
BAT 315	G1813xG4489		3	21 2	42	.	.	N	7	5	9	.	2	78-234	
BAT 316	G1813xG4489		3	21 2	43	.	4	N	7	8	7	3	2	78-235	
BAT 317	G1813xG4489		3	21 2	43	.	5	N	7	2	7	3	2	78-236	79
BAT 318	G3974xG4489		3	21 2	43	.	.	N	7	5	9	.	2	78-237	
BAT 319	G4122xG2045	NEGRO	8	21 2	43	.	.	N	7	8	7	.	8	78-240	
BAT 320	G4122xG2045	NEGRO	8	21 2	43	.	.	N	6	8	7	.	5	78-241	
BAT 321	G4122xG2045	NEGRO	8	21 2	43	.	.	N	7	8	7	3	8	78-242	
BAT 322	G4122xG5694	NEGRO	8	21 2	43	.	.	N	7	8	7	.	8	78-244	
BAT 323	G4122xG5694	NEGRO	8	21 2	43	.	.	N	7	8	7	.	2	78-245	
BAT 324	G4122xG5694	NEGRO	8	21 2	41	.	.	N	7	8	7	.	2	78-246	
BAT 325	G3834xG4493		1	21 2	37	.	.	N	7	8	7	5	2	78-247	

Line	Cross	Cult. type	Seed			Days to						Rust	Yr Ent	VEF	IB	
			col.	Wt	Hab	F1	Mt	Fot	BCMV	Emp	Ant					CBB	ALS	Yr
BAT 326	G3834xG4485		7	21	2	40	.	.	N	7	8	9	.	8	78-250	
BAT 327	G3834xG4485	NEGRO	8	21		37	.	.	N	7	8	7	.	8	78-251	
BAT 328	G3834xG4485	NEGRO	8	21	2	40	.	.	N	7	2	9	.	2	78-252	
BAT 329	G3834xG4485	NEGRO	8	21	2	40	.	.	N	6	8	9	.	8	78-253	
BAT 330	G4525xG4485	NEGRO	8	21	2	41	.	1	N	4	8	7	.	8	78-256	
BAT 331	G4525xG4485		2	21	2	43	.	6	N	6	8	5	5	8	78-257	80
BAT 332	G4525xG4485		3	18	2	41	.	4	N	8	5	7	1	3	78-258	80
BAT 333	G4525xG4485		2	21	2	40	.	.	N	7	8	9	.	2	78-259	
BAT 334	G4525xG4485	NEGRO	8	21	2	40	.	.	N	6	.	9	.	2	78-260	
BAT 335	G4792xG5481		1	21	2	37	.	.	N	7	8	9	5	2	78-261	
BAT 336	G4792xG5481		7	21	2	40	.	4	N	5	8	7	.	2	78-262	79
BAT 337	G4792xG5481		1	21	3	40	.	5	N	7	8	7	5	2	78-263	
BAT 338	G4792xG5481		1	21	3	41	.	1	N	5	8	5	5	2	78-264	79
BAT 339	G4792xG5481		1	21	3	41	.	2	N	7	8	7	5	2	78-265	
BAT 340	G4792xG5481		1	21	2	41	.	1	N	6	.	7	.	2	78-266	79
BAT 341	G4792xG2045	NEGRO	8	21	2/3	41	.	6	N	6	2	7	3	2	78-267	
BAT 342	G4792xG2045	NEGRO	8	21	2	43	.	.	N	6	8	7	5	2	78-268	
BAT 343	G4792xG4215	NEGRO	8	21	2	43	.	.	N	7	8	9	.	2	78-269	
BAT 344	(G3834xG2045) x (G3627xG5481)		4	21	2	43	.	.	N	7	8	9	.	8	78-270	
BAT 345	(G4792xG5694) x (G2539xG4493)		1	21	2	43	.	.	N	6	8	7	5	8	78-271	
BAT 346	(G3834xG2045) x (G3974xG4493)		3	21	3	41	.	3	N	6	8	7	.	2	78-272	
BAT 347	(G3834xG2045) x (G3974xG4493)		3	21	2	41	.	.	N	6	2	9	.	2	78-273	
BAT 348	(G4495xG5694) x (G3974xG2045)		4	21	2	41	.	.	N-M	6	8	7	.	8	78-274	
BAT 349	(G4495xG5694) x (G3974xG2045)		4	21	2	41	.	.	N	6	8	7	.	8	78-275	
BAT 350	(G4495xG5694) x (G3974xG2045)		2	21	2	41	.	.	N-M	8	8	7	.	8	78-276	
BAT 351	(G4495xG5694) x (G3974xG2045)		4	21	2	41	.	.	N	6	8	7	5	8	78-277	
BAT 352	(G3834xG5481) x (G4792xG2045)		2M	21	3	41	.	.	N	6	8	7	.	2	78-278	
BAT 353	(G3834xG5481) x (G4792xG2045)		2M	21	3/2	41	.	.	N	8	8	7	7	2	78-279	
BAT 354	(G3834xG5481) x (G4792xG2045)		2M	21	2	41	.	.	N	8	2	9	5	2	78-280	
BAT 355	(G3834xG5481) x (G4792xG2045)		2M	21	3	37	.	.	N	9	2	7	.	2	78-281	
BAT 356	(G3834xG5481) x (G4792xG2045)		2M	21	2	40	.	.	N	8	8	7	5	2	78-282	
BAT 357	(G3834xG5481) x (G4792xG2045)		2M	21	3	42	.	.	N	7	2	7	5	2	78-283	
BAT 358	(G3664xG4485) x (G4122xG1248)		7	21	2	42	.	.	N	6	8	7	3	8	78-284	
BAT 359	(G2539xG5481) x (G4454xG4215)		2M	21	2	43	.	.	N	6	8	9	.	8	78-285	
BAT 360	(G4122xG5481) x (G3709xG4215)		3	32	1	39	.	1	N	8	8	5	.	8	78-286	
BAT 361	(G2056xG5481) x (G2539xG4485)		7	21	2	42	.	1	N	8	8	7	3	8	78-287	79
BAT 362	(G2056xG5481) x (G2539xG4485)		1	21	3/2	40	.	.	N	6	8	7	3	8	78-288	
BAT 363	(G2056xG5481) x (G2539xG4485)		5	21	2	41	.	3	N	5	8	7	5	8	78-289	79
BAT 364	(G2115xG5481) x (G4122xG4485)		7	21	2	37	.	.	N	7	8	7	.	8	78-290	
BAT 365	(G2056xG2045) x (G4122xG4485)		4	21	2	37	.	1	N	7	8	7	.	5	78-291	
BAT 366	(G2539xG4215) x (G4122xG4485)		2	21	3	42	.	.	N	7	8	7	.	8	78-292	
BAT 367	(G2539xG4215) x (G4122xG4485)		2	21	3	42	.	.	N	6	8	7	.	8	78-293	
BAT 368	(G3974xG4215) x (G3834xG4485)		4	21	3	41	.	.	N	7	8	9	.	8	78-294	
BAT 369	(G3974xG4215) x (G3834xG4485)		4	21	3	41	.	4	N	8	2	9	.	2	78-295	
BAT 370	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2	42	.	.	N	7	8	7	.	8	78-296	
BAT 371	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2	43	.	.	N	6	8	7	.	8	78-297	
BAT 372	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2	43	.	.	N	6	8	7	.	8	78-298	
BAT 373	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2	43	.	.	N	6	8	7	.	8	78-299	
BAT 374	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2	44	.	.	N	6	8	7	.	8	78-300	
BAT 375	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2	43	.	.	N	5	8	9	.	8	78-301	
BAT 376	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2	43	.	.	N	6	8	9	.	8	78-302	
BAT 377	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2	.	.	.	N	6	8	9	.	8	78-303	
BAT 378	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2	.	.	.	N	7	8	9	.	8	78-304	
BAT 379	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2	.	.	.	N	6	8	9	.	8	78-305	
BAT 380	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2	44	.	.	N	6	8	9	.	8	78-306	
BAT 381	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2	44	.	.	N	6	8	9	.	8	78-307	

Line	Cross	Cult. type	Seed		Days to						VRF		IB		
			col.	Wt Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS		Rust	Yr Ent	YAN
BAT 382	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	.	N	5	8	9	3	8	78-308	
BAT 383	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	.	N	5	8	9	.	8	78-309	
BAT 384	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	.	N	6	8	7	5	8	78-310	
BAT 385	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	.	N	6	8	7	.	8	78-311	
BAT 386	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	42	.	.	N	6	8	7	.	8	78-312	
BAT 387	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	41	.	.	N	6	8	7	.	8	78-313	
BAT 388	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	41	.	.	N	6	8	9	.	8	78-314	
BAT 389	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	42	.	.	N	6	8	7	.	8	78-315	
BAT 390	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 3	41	.	.	N	5	8	7	5	5	78-316	
BAT 391	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	41	.	1	N	4	8	7	.	8	78-317	
BAT 392	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	42	.	.	N	6	8	7	5	8	78-318	
BAT 393	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	41	.	.	N	5	8	7	5	8	78-319	
BAT 394	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	41	.	1	N	5	8	7	5	8	78-320	
BAT 395	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	1	N	6	8	7	5	8	78-321	
BAT 396	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	1	N	5	8	7	5	8	78-322	
BAT 397	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	.	N	4	8	7	.	8	78-323	
BAT 398	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	.	N	5	8	7	.	8	78-324	
BAT 399	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	44	.	.	N	5	8	7	5	8	78-325	
BAT 400	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	.	.	.	N	5	8	7	5	8	78-326	
BAT 401	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	.	.	.	N	6	8	7	7	8	78-327	
BAT 402	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	.	N	6	8	9	5	8	78-328	
BAT 403	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	.	N	6	8	7	.	8	78-329	
BAT 404	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	.	N	6	8	7	5	8	78-330	
BAT 405	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	.	N	6	8	7	3	8	78-331	
BAT 406	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	42	.	.	N	6	8	9	5	8	78-332	
BAT 407	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	.	.	.	N	5	8	7	5	8	78-333	
BAT 408	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	.	N	6	8	7	5	8	78-334	
BAT 409	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	43	.	.	N	6	8	7	3	8	78-335	
BAT 410	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	41	.	.	N	7	8	7	3	8	78-336	
BAT 411	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	41	.	.	N	7	8	9	.	8	78-337	
BAT 412	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21 2	41	.	.	N	6	8	7	.	8	78-338	
BAT 413	(G1741xG4493) x (G4525xG4485)		2	21 2	40	.	.	N	7	8	9	.	8	78-339	
BAT 414	(G3974xG5481) x (G4525xG4485)		7	21 2	40	.	.	N	6	8	7	.	8	78-340	
BAT 415	(G3974xG5481) x (G4525xG4485)		7	21 3	40	.	.	N-M	6	8	9	5	2	78-341	
BAT 416	(G3974xG5481) x (G4525xG4485)		4	21 3	40	.	.	N	5	8	7	.	2	78-342	
BAT 417	(G3974xG5481) x (G4525xG4485)		3	21 2	40	.	3	N	7	8	7	.	2	78-343	
BAT 418	(G3974xG5481) x (G4525xG4485)		7	21 2	40	.	.	N	6	8	7	.	2	78-344	
BAT 419	(G3974xG5481) x (G4525xG4485)		4M	21 2	40	.	1	N	6	8	7	5	2	78-345	79
BAT 420	(G3974xG5481) x (G4525xG4485)		4M	21 2	41	.	.	N	6	8	9	.	2	78-346	
BAT 421	(G3974xG5481) x (G4525xG4485)		4M	21 2	41	.	.	N	6	8	7	.	2	78-347	
BAT 422	(G3974xG5481) x (G4525xG4485)		4M	21 3	40	.	.	N	5	8	9	5	2	78-348	
BAT 423	(G4122xG5481) x (G3664xG5694)	NEGRO	8	21 2	40	.	.	N	6	.	9	5	2	78-349	
BAT 424	(G3627xG4525) x (G3834xG5694)	NEGRO	8	21 2	41	.	1	N	7	5	9	.	2	78-350	
BAT 425	(G3627xG4525) x (G3834xG5694)	NEGRO	8	21 2	39	.	1	N	8	8	5	.	8	78-351	
BAT 426	(G3627xG4525) x (G3834xG5694)	NEGRO	8	21 2	40	.	.	N	7	8	7	.	2	78-352	
BAT 427	(G2539xG5481) x (G4525xG5694)		4	21 2	41	.	.	N	8	8	7	.	8	78-353	
BAT 428	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21 2	40	.	.	N	6	8	7	5	2	78-354	
BAT 429	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21 2	42	.	.	N	6	5	9	.	2	78-355	
BAT 430	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21 2	40	.	.	N	8	8	9	.	2	78-356	
BAT 431	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21 2	40	.	1	N	7	5	7	.	2	78-357	
BAT 432	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21 2	41	.	.	N	7	8	9	.	2	78-358	
BAT 433	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21 2	43	.	.	N	6	8	7	.	2	78-359	
BAT 434	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21 2	43	.	1	N	7	2	7	.	2	78-360	
BAT 435	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21 2	43	.	3	N	7	5	7	.	2	78-361	
BAT 436	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21 2	41	.	.	N	8	8	9	.	2	78-362	
BAT 437	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21 2	42	.	3	N	6	8	7	.	2	78-363	

Line	Cross	Cult. type	Seed			Days to							VRF Yr Ent	IB YAN		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust
BAT 438	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	42	.	.	N	7	5	9	.	2	78-364	
BAT 439	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	41	.	.	N	7	8	9	.	2	78-365	
BAT 440	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	42	.	1	N	6	5	9	.	2	78-366	
BAT 441	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	40	.	.	N	7	8	9	.	2	78-367	
BAT 442	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	42	.	.	N	7	8	7	.	2	78-368	
BAT 443	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	3	42	.	.	N	7	2	7	.	2	78-369	
BAT 444	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	42	.	.	N	6	8	7	.	2	78-370	
BAT 445	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	41	.	1	N	6	8	7	.	5	78-371	79
HAT 446	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	41	.	.	N	6	8	7	5	2	78-372	
BAT 447	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	41	.	.	N	6	8	9	.	5	78-373	
BAT 448	(G3664xG2045) x (G4792xG5694)	NEGRO OPACO	8	19	2	43	.	2	N	7	7	7	1	5	78-374	79
BAT 449	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	43	.	1	N	7	2	7	.	5	78-375	
BAT 450	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	42	.	1	N	6	2	5	.	5	78-376	79
BAT 451	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	3	42	.	4	N	6	2	7	.	2	78-377	
BAT 452	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	42	.	3	N	6	2	7	.	2	78-378	
BAT 453	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	3	43	.	.	N	7	.	7	.	2	78-379	
BAT 454	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	42	.	.	N	7	2	7	.	2	78-380	
BAT 455	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	41	.	1	N	7	2	7	.	2	78-381	
BAT 456	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	41	.	1	N	6	2	7	.	2	78-382	
BAT 457	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	42	.	1	N	7	2	7	.	2	78-383	
BAT 458	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	42	.	1	N	7	2	7	.	2	78-384	
BAT 459	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	42	.	1	N	7	2	7	.	2	78-385	
BAT 460	(G3664xG2045) x (G4792xG5694)	NEGRO	8	21	2	41	.	1	N	7	8	7	.	5	78-386	
BAT 461	(G1741xG2045) x (G4792xG5694)	NEGRO	8	21	2	43	.	.	N	7	8	7	.	2	78-387	
BAT 462	(G1741xG2045) x (G4792xG5694)	NEGRO	8	21	2	.	.	.	N	8	8	7	.	2	78-388	
BAT 463	(G1741xG2045) x (G4792xG5694)	NEGRO	8	21	2	43	.	.	N	7	8	7	.	2	78-389	
BAT 464	(G1741xG2045) x (G4792xG5694)	NEGRO	8	21	2	43	.	.	N	5	2	7	.	2	78-390	
BAT 465	(G1741xG2045) x (G4792xG5694)	NEGRO	8	21	2	43	.	.	N	6	8	9	.	2	78-391	
BAT 466	(G1741xG2045) x (G4792xG5694)	NEGRO	8	21	2	42	.	.	N	6	8	7	.	2	78-392	
BAT 467	(G1741xG2045) x (G4792xG5694)	NEGRO	8	21	2	43	.	.	N	6	8	7	.	2	78-393	
BAT 468	(G1741xG2045) x (G4792xG5694)	NEGRO	8	21	2	43	.	.	N	6	8	7	.	2	78-394	
BAT 469	(G1741xG2045) x (G4792xG5694)	NEGRO	8	21	2	43	.	.	N	7	8	7	.	2	78-395	
BAT 470	(G1741xG2045) x (G4792xG5694)	NEGRO	7	21	2	43	.	1	N	6	.	7	.	2	78-396	
BAT 471	(G1741xG2045) x (G4792xG5694)	NEGRO	2	21	2	43	.	.	N	7	8	7	.	8	78-397	
BAT 472	(G1741xG2045) x (G4792xG5694)	NEGRO	2	21	2	43	.	.	N	6	8	7	.	8	78-398	
BAT 473	(G1741xG2045) x (G4792xG5694)	NEGRO	2	21	2	43	.	1	N	7	8	7	.	8	78-399	
BAT 474	(G3834xG4493) x (G4792xG5694)	NEGRO	2	21	2	42	.	.	N	7	8	7	.	2	78-400	
BAT 475	(G3834xG4493) x (G4792xG5694)	NEGRO	1	21	2	40	.	.	N	7	8	7	.	2	78-401	
BAT 476	(G3834xG4493) x (G4792xG5694)	NEGRO	2	21	2/3	41	.	.	N	6	8	7	.	2	78-402	
BAT 477	(G3834xG4493) x (G4792xG5694)	NEGRO	2	21	3	40	.	2	N	6	8	7	.	2	78-403	80
BAT 478	(G3834xG4493) x (G4792xG5694)	NEGRO	2	21	2	41	.	.	N	7	8	9	.	8	78-404	
BAT 479	(G3834xG4493) x (G4792xG5694)	NEGRO	2	21	3	41	.	.	N	6	8	7	.	2	78-405	
BAT 480	(G3974xG4215) x (G4122xG4489)	NEGRO	4	21	2	40	.	.	N	7	8	7	5	8	78-406	
BAT 481	(G3974xG4215) x (G4122xG4489)	NEGRO	4	21	3	40	.	.	N	7	8	5	.	8	78-407	
BAT 482	(G3974xG4493) x (G3709xG4489)	NEGRO	1	21	2	38	.	1	N	6	8	5	.	2	78-408	79
BAT 483	(G3974xG4493) x (G3709xG4489)	NEGRO	4	21	2	41	.	8	N	7	8	7	.	2	78-409	
BAT 484	(G3974xG4493) x (G3709xG4489)	NEGRO	1	21	2	41	.	.	N	8	8	9	5	8	78-410	
BAT 485	(G2005xG4493) x (G4792xG4489)	NEGRO	4	21	2	42	.	.	N	8	8	7	3	2	78-411	
BAT 486	(G2005xG4493) x (G4792xG4489)	NEGRO	8	21	2	43	.	.	N	7	8	7	.	2	78-412	
BAT 487	G3696xG5479	NEGRO	8	21	2	43	.	.	N	5	8	7	.	5	78-413	
BAT 488	G3670xG5479	NEGRO	2	21	2	41	.	.	N	7	8	7	.	2	78-414	
BAT 489	G3974xG5479	NEGRO	2	21	2	43	.	.	N	5	8	7	.	8	78-415	
BAT 490	G2146xG5479	NEGRO	8	21	2	43	.	.	N	5	8	7	.	8	78-416	
BAT 491	G2006xG5653	NEGRO	7	21	2	39	.	.	N-M	7	8	7	.	8	78-417	
BAT 492	G2006xG5653	NEGRO	7	21	2	42	.	.	N	7	8	5	.	8	78-418	
BAT 493	G2006xG5653	NEGRO	5	21	3	40	.	.	N	8	2	7	.	2	78-419	

Line	Cross	Cult. type	Seed		Days to							VEF		IB	
			col.	Wt Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
BAT 494	G2006xG5653		6	21 2	43	.	.	N	6	8	7	.	8	78-420	
BAT 495	G2006xG5653		2	21 2	40	.	.	N-M	6	5	9	3	2	78-421	
BAT 496	G2959xG5653	NEGRO	8	21 2	40	.	.	N	7	2	9	5	5	78-422	
BAT 497	G3696xG5652	NEGRO	8	21 2	43	.	.	N	7	8	9	.	2	78-423	
BAT 498	G3696xG5652	NEGRO	8	21 2	42	.	.	N	6	8	7	.	2	78-424	
BAT 499	G3696xG5652	NEGRO	8	21 2	43	.	1	N	7	8	7	.	2	78-425	
BAT 500	G3696xG5652	NEGRO	8	21 2	42	.	.	N	7	8	7	5	2	78-426	
BAT 501	G3696xG5652	NEGRO	8	21 2	42	.	.	N	7	8	7	7	2	78-427	
BAT 502	G3696xG5652	NEGRO	8	21 2	41	.	1	N	6	8	7	3	2	78-428	
BAT 503	G4421xG5652		2	21 2	41	.	.	N	6	8	7	7	8	78-429	
BAT 504	G3664xG5652	NEGRO	8	21 2	41	.	2	N	8	2	7	5	2	78-430	
BAT 505	G3664xG5652	NEGRO	8	21 2	39	.	.	N	6	8	7	.	2	78-431	
BAT 506	G2539xG4465		2	21 2	42	.	.	N	8	8	7	3	8	78-432	
BAT 507	G2539xG4465		2	21 2	42	.	.	N	7	8	7	.	2	78-433	
BAT 508	G2539xG4465		2	21 2	42	.	.	N	7	2	7	5	2	78-434	
BAT 509	G1813xG4465	NEGRO	8	21 2	42	.	.	N	7	8	7	.	2	78-435	
BAT 510	G1813xG4465	NEGRO	8	21 2	43	.	.	N	7	8	7	5	2	78-436	
BAT 511	G3696xG4465	NEGRO	8	21 2	40	.	.	N	7	5	9	.	8	78-437	
BAT 512	G3696xG4465	NEGRO	8	21 2	40	.	.	N	6	8	9	.	2	78-438	
BAT 513	G3128xG4465	NEGRO	8	21 2	39	.	.	N	7	8	7	.	2	78-439	
BAT 514	G3131xG4465	NEGRO	8	21 2	39	.	.	N	7	2	7	.	2	78-440	
BAT 515	G3131xG4465	NEGRO	8	21 2	42	.	.	N	7	8	7	.	8	78-441	
BAT 516	G3974xG4465		4	21 2	40	.	.	N-M	7	8	7	5	2	78-442	
BAT 517	G3154xG4465	NEGRO	8	21 2/3	39	.	.	N	8	8	7	.	2	78-443	
BAT 518	G1820xG4465	NEGRO	8	21 2	39	.	3	N	6	8	7	.	2	78-444	79
BAT 519	G1820xG4465	NEGRO	8	21 2	41	.	3	N	6	8	7	.	2	78-445	
BAT 520	G2959xG4465	NEGRO	8	21 2	39	.	1	N	6	5	7	.	2	78-446	
BAT 521	G2959xG4465	NEGRO	8	21 2	39	.	.	N	6	8	7	.	2	78-447	
BAT 522	G3627xG5711	NEGRO	8	21 2	40	.	1	N	6	5	7	5	5	78-448	
BAT 523	G3627xG5711	NEGRO	8	21 2	40	.	.	N	6	8	7	.	2	78-449	
BAT 524	G4525xG5711	NEGRO	8	21 2	42	.	.	N	7	8	7	5	2	78-450	
BAT 525	G4421xG5711		7	21 3	41	.	1	N	7	.	7	.	5	78-451	
BAT 526	G4421xG5711		7	21 2	42	.	.	N	6	8	7	.	8	78-452	
BAT 527	G4421xG5711	NEGRO	8	21 2	41	.	1	N	7	5	7	.	5	78-454	80
BAT 528	G4421xG5711		7	21 2	42	.	1	N	6	5	7	.	5	78-454	
BAT 529	G4421xG5711	NEGRO	8	21 2	41	.	.	N	7	5	7	.	8	78-455	
BAT 530	G3154xG5711		4	21 3	41	.	.	N	8	8	7	5	2	78-456	
BAT 531	G1820xG5711	NEGRO	8	21 2	41	.	.	N	7	8	7	3	8	78-457	
BAT 532	G1820xG5711	NEGRO	8	21 2	41	.	.	N	7	.	7	.	2	78-458	
BAT 533	G3696xG5481		2M	21 2	41	.	.	N	7	8	9	.	8	78-459	
BAT 534	G3128xG5481		2M	21 1	41	.	.	N	8	8	7	.	8	78-460	
BAT 535	G4486xG5481		2M	21 1	40	.	.	N	8	8	7	.	8	78-461	
BAT 536	G4829xG1248		5M	21 2	41	.	.	M	7	8	9	.	2	78-462	
BAT 537	G4829xG1248		7	21 2	41	.	.	N-M	8	8	7	.	2	78-463	
BAT 538	G3630xG2045		4	21 3	41	.	.	N	8	8	9	.	8	78-464	
BAT 539	G4823xG4215		7	21 2	42	.	.	N	6	8	7	3	8	78-465	
BAT 540	(G4495xG3645) x (G2005xG2084)	NEGRO	8	21 2	41	.	.	N	6	8	7	.	8	78-466	
BAT 541	(G3645xG1741) x (G2005xG4454)	NEGRO	8	21 2	40	.	.	N	6	8	7	.	8	78-467	
BAT 542	(G4454xG5054) x (G2005xG3627)		2	21 2	42	.	.	N	6	8	7	5	8	78-468	
BAT 543	(G4177xG4122) x (G2005xG5004)	NEGRO	8	21 3	41	.	.	N	4	8	7	.	2	78-469	
BAT 544	(G3834xG4194) x (G1349xG4454)	NEGRO	8	21 2	42	.	.	N-M	5	8	7	3	8	78-470	
BAT 545	(G2084xG4122) x (G1349xG5213)	NEGRO	8	21 2	42	.	.	N	7	8	7	3	8	78-471	
BAT 546	(G4495xG3645) x (G2084xG4454)	NEGRO	8	21 2	41	.	.	N	6	8	7	.	5	78-472	
BAT 547	(G3834xG5213) x (G2084xG3627)	NEGRO	8	21 2	40	.	.	N	6	8	7	.	8	78-473	
BAT 548	(G4454xG3627) x (G2084xG4122)		7	21 2	41	.	.	N	6	8	9	.	2	78-474	
BAT 549	(G4454xG3627) x (G2084xG4122)	NEGRO	8	21 2	42	.	1	N	5	8	7	3	2	78-475	

Line	Cross	Cult. type	Seed			Days to							VEP	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
BAT 550	(G4177xG5054) x (G2084xG3834)		3	21	2	42	.	.	N	7	8	7	.	2	78-476	
BAT 551	(G4177xG5054) x (G2084xG3834)		5	.	2	.	.	N	.	.	.	.	.	.
BAT 552	(G5054xG832) x (G2084xG5208)	NEGRO	8	21	2	42	.	.	N	6	8	9	.	5	78-477	
BAT 553	(G4454xG5213) x (G2084xG832)	NEGRO	8	21	2	44	.	.	N	5	8	7	5	8	78-478	
BAT 554	(G5208xG832) x (G4454xG4122)	NEGRO	8	21	2	43	.	.	N	6	8	9	7	5	78-479	
BAT 555	(G4122xG5213) x (G4454xG3834)	NEGRO	8	21	2	44	.	.	N	4	8	7	.	8	78-480	
BAT 556	(G4177xG4122) x (G4454xG5054)	NEGRO	8	21	2	43	.	.	N	6	8	7	5	8	78-481	
BAT 557	(G4177xG4122) x (G4454xG5054)	NEGRO	8	21	2	43	.	.	N	6	8	7	.	2	78-482	
BAT 558	(G3645xG4142) x (G4454xG5054)		2	21	2	42	.	.	N	6	8	9	7	8	78-483	
BAT 559	(G4122xG5213) x (G4454xG832)	NEGRO	8	21	2	42	.	.	N	5	8	7	.	5	78-484	
BAT 560	(G4122xG5054) x (G3627xG3834)		2	21	2	42	.	.	N	6	8	7	.	8	78-485	
BAT 561	(G4122xG5054) x (G3627xG3834)		2	25	.	41	73	3	N	6	7	7	6	8	78-1	79
BAT 562	(G4122xG3834) x (G3627xG5054)		2	21	2	43	.	.	N	5	8	7	.	8	78-487	
BAT 563	(G4122xG3834) x (G3627xG5054)		2	21	2	43	.	.	N	5	8	7	.	8	78-488	
BAT 564	(G5004xG5213) x (G4122xG5054)	NEGRO	8	21	2	44	.	2	N	6	8	7	.	2	78-489	
BAT 565	(G5054xG832) x (G3834xG5208)	NEGRO	8	21	2	44	.	.	N	6	8	7	.	8	78-490	
BAT 566	G4122xG310		4	21	2	43	.	.	N	8	8	7	.	5	78-491	
BAT 567	G4977xG4485	NEGRO	8	21	2	42	.	.	N	6	8	7	.	8	78-492	
BAT 568	G3759xG4485	NEGRO	8	21	2	41	.	.	N	6	8	7	.	8	78-493	
BAT 569	G4525xG4977	NEGRO	8	21	2	43	.	.	N	5	8	7	.	5	78-502	
BAT 570	G4525xG4977	NEGRO	8	21	2	44	.	.	N	6	8	7	.	8	78-503	
BAT 571	G4525xG4977	NEGRO	8	21	2	42	.	.	N	6	8	7	.	8	78-504	
BAT 572	G4525xG4977	NEGRO	8	21	2	41	.	.	N	6	8	7	.	8	78-505	
BAT 573	G4525xG4977	NEGRO	8	21	2	42	.	.	N	6	8	7	.	5	78-506	
BAT 574	G4525xG4977	NEGRO	8	21	2	43	.	.	N	6	8	7	.	8	78-507	
BAT 575	G4525xG4977	NEGRO	8	21	2	44	.	.	N	6	8	7	.	8	78-508	
BAT 576	G4525xG4977	NEGRO	8	21	2	42	.	.	N	7	8	7	.	8	78-509	
BAT 577	G4525xG4977	NEGRO	8	21	2	44	.	.	N	6	8	7	.	8	78-510	
BAT 578	G4525xG4977	NEGRO	8	21	2	44	.	.	N	6	8	9	.	8	78-511	
BAT 579	G4525xG4977	NEGRO	8	21	2	44	.	.	N	5	8	9	.	8	78-512	
BAT 580	G4525xG4977	NEGRO	8	21	2	44	.	.	N	6	8	7	.	8	78-513	
BAT 581	G4525xG4977	NEGRO	8	21	2	42	.	.	N	5	8	7	.	8	78-514	
BAT 582	G4525xG4977	NEGRO	8	21	2	42	.	.	N	6	8	7	.	8	78-515	
BAT 583	G4525xG4977	NEGRO	8	21	2	39	.	.	N	5	8	7	.	8	78-516	
BAT 584	G4525xG4977	NEGRO	8	21	2	41	.	.	N	7	8	7	.	8	78-517	
BAT 585	G4525xG4977	NEGRO	8	21	2	41	.	.	N	5	8	9	5	8	78-518	
BAT 586	G4495xG4525	NEGRO	8	21	2	43	.	.	N	6	8	7	5	8	78-521	
BAT 587	G4489xG1741	NEGRO	8	21	2	42	.	.	N	6	8	7	5	8	78-522	
BAT 588	G4495xG4489	NEGRO	8	21	2	42	.	.	N	7	8	7	.	8	78-523	
BAT 589	G4489xG3065	NEGRO	8	21	2	42	.	5	N	7	5	7	3	2	78-525	
BAT 590	G3988xG4489		7	21	2	42	.	4	N	7	8	9	.	2	78-525	
BAT 591	G5704xG5719		1	21	2	44	.	.	N	7	8	7	3	8	78-526	
BAT 592	G4791xG5719		7	21	2	40	.	.	N	6	8	7	5	8	78-527	
BAT 593	G4478xG5719		7	21	2	37	.	.	N	7	8	7	5	2	78-528	
BAT 594	G4452xG5749		7	21	2	40	.	.	N	8	8	7	.	2	78-529	
BAT 595	G5267xG5749		7	21	2	40	.	.	N	8	8	7	.	8	78-530	
BAT 596	G4791xG5749		7	21	2	40	.	.	N	7	8	9	5	8	78-531	
BAT 597	G4791xG5749		6	21	2	40	.	.	N	6	8	9	7	8	78-532	
BAT 598	G4791xG5749		4	21	2	40	.	.	N	7	8	9	.	8	78-533	
BAT 599	G4791xG5749		7	21	2	38	.	.	N	6	8	9	.	8	78-534	
BAT 600	G4791xG5749		4	21	2	42	.	.	N	5	8	7	.	8	78-535	
BAT 601	G4791xG5749		4	21	2	37	.	.	N	7	8	9	.	8	78-536	
BAT 602	G4791xG5749		4	21	2	40	.	.	N	6	8	9	.	8	78-537	
BAT 603	G4791xG5749		7	21	2	40	.	.	N	7	8	9	5	8	78-538	
BAT 604	G2959xG4485	NEGRO	8	21	2	40	.	.	N	7	8	7	.	8	78-539	
BAT 605	(G2005xG3353) x (G2115xG5476)		5	21	3	44	.	.	N	7	2	7	.	8	78-544	

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
BAT 606	(G4525xG3353)x(G2115xG5476)		7	21	3/2	40	.	.	N	6	2	7	.	8	78-545	
BAT 607	(G4122xG1320)x(G1741xG5478)		1	21	2	40	.	.	N	8	8	7	.	8	78-546	
BAT 608	(G4122xG1320)x(G1741xG5478)		4	21	2	40	.	.	N	7	8	9	.	8	78-547	
BAT 609	(G3709xG3353)x(G2005xG5477)		4	21	2	41	.	.	N	7	8	7	.	2	78-548	
BAT 610	(G4122xG1320)x(G2056xG5476)		4	21	2	37	.	.	N	6	8	7	.	2	78-549	
BAT 611	(G4122xG1320)x(G3645xG5478)		7	21	2	40	.	.	N	7	8	9	.	8	78-550	
BAT 612	(G4122xG1320)x(G3645xG5478)		2	21	2	41	.	.	N	7	8	7	.	8	78-551	
BAT 613	(G3709xG1320)x(G3645xG5478)		7	21	2	.	.	.	N-M	8	2	7	.	2	78-552	
BAT 614	(G3709xG1320)x(G3645xG5478)		3	21	2	37	.	8	N	7	8	5	.	8	78-553	79
BAT 615	(G4792xG1320)x(G3645xG5478)		4	21	2	37	.	.	N	8	8	7	.	2	78-554	
BAT 616	(G4792xG1320)x(G3645xG5478)		3	21	2	40	.	8	N	8	8	7	.	2	78-555	
BAT 617	(G4495xG3353)x(G2115xG5477)		4	21	2	43	.	.	N	8	8	7	.	8	78-556	
BAT 618	(G3627xG1320)x(G2115xG5477)		1	21	2	40	.	.	N	8	8	7	.	8	78-557	
BAT 619	(G4792xG1320)x(G2115xG5477)		4	21	2	40	.	.	N	8	8	7	3	2	78-558	
BAT 620	(G4122xG1320)x(G3353xG5477)		7	21	3	37	.	.	N	9	8	7	.	8	78-559	
BAT 621	(G3645xG1320)x(G3627xG5476)		4	21	2	37	.	.	N	7	8	7	.	8	78-560	
BAT 622	(G2005xG3353)x(G4122xG5478)		7	21	3	39	.	.	N	8	8	7	.	8	78-561	
BAT 623	(G3645xG3353)x(G4122xG5478)		7	21	2	37	.	.	N	7	8	7	.	8	78-562	
BAT 624	(G4792xG3353)x(G4122xG5478)	NEGRO	8	21	2	39	.	.	N	7	8	7	.	8	78-563	
BAT 625	(G3154xG3353)x(G4122xG5478)		2	21	2	43	.	.	N	8	8	7	.	8	78-564	
BAT 626	(G1741xG1320)x(G4122xG5478)		7	21	2	39	.	.	N	7	8	7	5	8	78-565	
BAT 627	(G1741xG1320)x(G4122xG5478)		2	21	2	40	.	.	N	8	2	7	.	5	78-566	
BAT 628	(G2539xG1320)x(G4122xG5478)		1	21	2	39	.	.	N	8	8	7	.	8	78-567	
BAT 629	(G4525xG1320)x(G4122xG5478)		4	21	2	44	.	.	N	8	8	7	3	8	78-568	
BAT 630	(G4525xG1320)x(G4122xG5478)		2	21	2	44	.	.	N	9	8	7	.	8	78-569	
BAT 631	(G4525xG1320)x(G4122xG5478)		4	21	2	44	.	.	N	7	8	7	5	8	78-570	
BAT 632	(G4525xG1320)x(G4122xG5478)		3	21	2	43	.	.	N	7	8	7	3	8	78-571	
BAT 633	(G4525xG1320)x(G4122xG5478)		2	21	2	43	.	.	N	7	8	7	5	8	78-572	
BAT 634	(G4792xG1320)x(G4122xG5478)		3	21	2	42	.	.	N	8	8	9	7	8	78-573	
BAT 635	G4796xG5701		7	21	2	34	.	.	N	8	8	7	.	8	78-574	
BAT 636	G5652xG4142	NEGRO	8	21	2	43	.	.	N	7	8	7	5	2	78-575	
BAT 637	G3645xG4509		7	21	2	44	.	.	N	8	2	9	.	8	78-576	
BAT 638	G3645xG4509		4	21	2	39	.	.	N	9	8	7	.	8	78-577	
BAT 639	G4142xG2997	NEGRO	8	21	2	44	.	.	N	9	8	7	.	8	78-578	
BAT 640	G2005xG2997	NEGRO	8	21	2	37	.	.	N-M	7	8	9	.	8	78-579	
BAT 641	G2005xG2997	NEGRO	8	21	2	43	.	.	N	7	8	9	.	8	78-580	
BAT 642	G2005xG2997		1	21	2	44	.	.	N	6	5	7	.	8	78-581	
BAT 643	G4525xG2997	NEGRO	8	21	2	37	.	.	N	7	8	9	.	8	78-582	
BAT 644	G2540xG5653		1	21	3	37	.	.	N	8	8	7	5	8	78-583	
BAT 645	G2540xG5653		1	21	3	37	.	.	N-M	9	8	7	.	8	78-584	
BAT 646	G2540xG5653		1	21	3	37	.	.	M	9	8	9	.	8	78-585	
BAT 647	G2540xG5653		1	21	3	34	.	.	M	9	8	9	.	8	78-586	
BAT 648	G2540xG5653		5	21	2	37	.	.	N	8	8	7	.	8	78-587	
BAT 649	G4493xG5653		2	21	3	41	.	.	N	8	8	7	.	5	78-588	
BAT 650	G4831xG5653	NEGRO	8	21	2	42	.	1	N	7	8	7	.	2	78-589	
BAT 651	G3913xG5711	NEGRO	8	21	2	41	.	.	N	7	8	7	.	8	78-590	
BAT 652	G4493xG5711	NEGRO	8	21	3/2	43	.	2	N	6	8	7	3	5	78-591	
BAT 653	G4789xG5694	NEGRO	8	21	2	43	.	.	N	7	8	7	.	8	78-592	
BAT 654	G4421xG4194		2	21	2	43	.	.	N	6	8	9	.	8	78-594	
BAT 655	G5141xG3834		2	21	2	44	.	.	N	7	8	7	.	8	78-601	
BAT 656	G5141xG3834		7	21	2	44	.	.	N	5	8	7	.	8	78-602	
BAT 657	G5141xG3834		2	21	2	44	.	.	N	6	8	7	.	8	78-603	
BAT 658	G5141xG3834		2	21	2	45	.	.	N	6	8	7	.	8	78-604	
BAT 659	G5141xG3834		2	21	2	42	.	.	N	6	8	7	.	8	78-605	
PAT 660	G3607xG832		7	21	2	40	.	.	N	5	8	7	.	8	78-625	
BAT 661	G4454xG4494		7	32	1/2	34	.	.	N-M	8	2	7	.	8	78-626	

Line	Cross	Cult. type	Seed		Days to		F1	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEP Rnt	IB YAN
			col.	Wt Hab	Fl	Fot												
BAT 662	G4454xG4494		7	32 2	42	.	.	.	N	8	2	7	5	8			78-627	
BAT 663	G4454xG4494		7	32 2	34	.	.	.	N	8	2	7	.	8			78-628	
BAT 664	G4454xG4494		7M	32 2	42	.	.	.	N	7	2	7	.	8			78-629	
BAT 665	G4177xG4494		7	32 1/2	34	.	.	.	N-M	8	8	7	.	5			78-630	
BAT 666	G4177xG4494		7	32 1/2	39	.	.	.	N	7	2	7	.	8			78-631	
BAT 667	G4194xG4494		7	32 1	34	.	.	.	N	8	2	7	.	8			78-632	
BAT 668	G4194xG4494		7	21 2	37	.	.	.	N	8	2	7	.	8			78-633	
BAT 669	G4194xG4494		7	32 1	39	.	.	.	N	9	2	7	.	5			78-634	
BAT 670	G5054xG4494		7	32 2	39	.	.	.	N	7	8	7	.	8			78-635	
BAT 671	G5208xG4494		7	32 1/2	34	.	.	.	N	8	2	7	.	8			78-636	
BAT 672	G5208xG4494		4M	21 1/2	34	.	.	.	N	9	2	7	.	8			78-637	
BAT 673	G5208xG4494		7	32 1/2	35	.	.	.	N	9	2	7	.	5			78-638	
BAT 674	G3607xG4494		7M	21 1/2	39	.	.	.	N	6	2	7	.	5			78-639	
BAT 675	G3607xG4494		7	32 2	38	.	.	.	N	6	2	7	.	5			78-640	
BAT 676	G3607xG4494		7	32 2	39	.	.	.	N	7	2	7	.	2			78-641	
BAT 677	G3607xG4494		7	32 2	39	.	.	.	N	6	2	7	.	8			78-642	
BAT 678	G5141xG4494		7	32 2	34	.	.	.	N	7	2	7	.	5			78-643	
BAT 679	G5141xG4494		7	32 2/1	34	.	.	.	N	7	2	7	.	5			78-644	
BAT 680	G5141xG4494		7	21 2	40	.	.	.	N	7	2	7	.	5			78-645	
BAT 681	G5141xG4494		7	21 1	40	.	.	.	N	7	2	7	.	5			78-646	
BAT 682	G2540xG4495		7	21 2	40	.	.	.	N	7	8	7	.	8			78-647	
BAT 683	(G2005xG5702)xG2005		3	21 2	39	.	.	.	N	6	8	7	.	8			78-648	
BAT 684	IN41xG5694		7	21 2	42	.	.	.	N-M	6	8	7	.	8			78-649	
BAT 685	IN41xG5694		7	21 2	41	.	.	.	N	6	8	9	.	8			78-650	
BAT 686	IN42xG5694		7	21 2	43	.	.	.	N	7	2	7	.	2			78-651	
BAT 687	IN42xG5694		7	32 2	41	.	.	.	N	7	2	7	.	8			78-652	
BAT 688	G5444xG5709		4	21 3/2	40	.	3	.	N	8	2	7	.	2			78-653	
BAT 689	G5444xG5709		7	21 2	41	.	.	.	N	8	8	9	.	2			78-654	
BAT 690	G4791xG5709		6	32 2	42	.	.	.	N-M	8	8	9	.	8			78-655	
BAT 691	G6615xG5709		7	32 2	43	.	.	.	N	9	2	7	.	2			78-656	
BAT 692	G6615xG5709		7	42 2	43	.	.	.	N	8	2	7	.	5			78-657	
BAT 693	G6615xG5709		7	32 2	.	.	.	.	N	8	2	7	.	2			78-658	
BAT 694	G6615xG5709		7	32 2	44	.	.	.	N	7	2	7	.	2			78-659	
BAT 695	G6615xG5709		7	32 2	45	.	.	.	N	7	2	7	.	8			78-660	
BAT 696	G6615xG5709		7	21 2	43	.	.	.	N	6	2	7	.	8			78-661	
BAT 697	G6615xG5709		6M	32 1/2	37	.	.	.	N	8	2	9	.	2			78-662	
BAT 698	G6615xG5709		5	32 2	43	.	.	.	N	9	2	9	.	8			78-663	
BAT 699	G6615xG5709		6M	32 2	41	.	.	.	N	6	2	7	.	8			78-664	
BAT 700	G6615xG5709		7	32 2	41	.	.	.	N	8	2	7	.	2			78-665	
BAT 701	G6615xG5709		7	32 2	45	.	.	.	N	8	2	7	.	8			78-666	
BAT 702	G6615xG5709		7	32 2	41	.	.	.	N	7	2	7	.	2			78-667	
BAT 703	G6615xG5709		6M	32 2	45	.	.	.	N	8	2	7	.	8			78-668	
BAT 704	G6615xG5709		7	32 2	45	.	.	.	N	8	8	7	.	8			78-669	
BAT 705	G6615xG5709		6M	32 2	45	.	.	.	N	7	8	7	.	5			78-670	
BAT 706	G6615xG5709		7M	21 1	34	.	.	.	N	8	8	7	.	2			78-671	
BAT 707	G4452xG5709		6	32 1/2	38	.	.	.	N	8	8	9	.	2			78-672	
BAT 708	G4452xG5709		6M	32 2	43	.	.	.	N	9	8	7	.	2			78-673	
BAT 709	G4452xG5709		7	21 2	41	.	.	.	N	9	2	7	.	2			78-674	
BAT 710	G4452xG5709		7	32 2	40	.	.	.	N	8	2	9	.	5			78-675	
BAT 711	G4452xG5709		7	32 2	34	.	.	.	N	8	8	7	.	5			78-676	
BAT 712	G4452xG5709		7M	32 2	40	.	.	.	N	8	2	7	.	2			78-677	
BAT 713	G4452xG5709		6M	32 2	41	.	.	.	N	8	2	7	.	2			78-678	
BAT 714	G4452xG5709		3M	32 2	41	.	.	.	N	8	8	7	.	5			78-679	
BAT 715	((G4495xG4142)x(G3645xG5479))x((...))		1	32 2	38	.	.	.	N	7	8	7	.	5			78-680	
BAT 716	((G4495xG4142)x(G3645xG5479))x((...))	NEGRO	8	21 2	45	.	.	.	N	6	8	7	.	5			78-681	
BAT 717	((G4495xG4142)x(G3645xG5479))x((...))	NEGRO	8	21 2	44	.	.	.	N	5	8	7	.	8			78-682	

Line	Cross	Cult. type	Seed		Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt Hab	Fl	Mt	Fot	BCMV								
BAT 718	((G4495xG3645)x(G4495xG5479))x((...	NEGRO	8	21 2	42	.	.	N	5	8	7	.	8	78-683		
BAT 719	((G4495xG3645)x(G4495xG5479))x((...	NEGRO	8	21 2	41	.	.	N	6	8	7	.	2	78-684		
BAT 720	((G4495xG5479)x(G3645xG4142))x((...	NEGRO	8	21 2	41	.	.	N	6	8	7	.	8	78-685		
BAT 721	((G4495xG3645)x(G3645xG2115))x((...	NEGRO	8	21 2	40	.	.	N	6	8	7	.	8	78-686		
BAT 722	((G4495xG3645)x(G3645xG2115))x((...		4	21 2	40	.	.	N	6	8	7	.	5	78-687		
BAT 723	((G4495xG3645)x(G3645xG2115))x((...	NEGRO	8	21 2	40	.	.	N	7	8	7	.	5	78-688		
BAT 724	((G4495xG3645)x(G4495xG5479))x((...		4	21 2	42	.	.	N	6	8	7	.	2	78-689		
BAT 725	((G4495xG3645)x(G4495xG5479))x((...		5	21 2	40	.	.	N	6	8	7	.	5	78-690		
BAT 726	((G3645xG5479)x(G4142xG5479))x((...	NEGRO	8	21 2	45	.	.	N	7	8	7	.	8	78-691		
BAT 727	G1509xG3645		4	21 2	45	.	.	N	7	8	9	.	8	78-692		
BAT 728	G2959x(G2959xG3736)	NEGRO	8	21 2	44	.	.	N	8	8	7	7	8	78-693		
BAT 729	G4978xG5704		2M	32 2	40	.	.	N	7	2	7	7	2	78-694		
BAT 730	G4978xG5704		2M	32 3	37	.	.	N	8	8	9	7	5	78-695		
BAT 731	G3353xG5702		2	21 2	40	.	1	N	7	2	7	.	2	78-696		
BAT 732	G5749xG2540		7	21 2	41	.	.	N	7	8	7	5	8	78-697		
BAT 733	G5719xG3353		1	21 2	41	.	.	N	7	8	7	.	8	78-698		
BAT 734	G5719xG2472	NEGRO	8	21 3	42	.	.	N	7	8	7	.	8	78-699		
BAT 735	G3974xG5709		6	21 2	43	.	.	N	7	8	.	.	8	78-1413		
BAT 736	G4421xG5481		7	21 2	38	.	.	N	7	2	.	.	8	78-1414		
BAT 737	G4421xG5481		7	21 2	41	.	.	N	6	2	.	.	8	78-1415		
BAT 738	G4458xG5694		7	21 2	38	.	.	N	6	2	.	.	8	78-1416		
BAT 739	G4477xG5694		4	21 2	38	.	.	N	6	8	.	.	8	78-1417		
BAT 740	G4477xG5694		6	22 3	36	.	.	N	9	8	7	1	7	78-1418		
BAT 741	IN40xG5694		7	21 2	35	.	.	N	7	8	.	.	8	78-1419		
BAT 742	G4791xG5709		4	21 2	41	.	.	N	7	8	.	.	8	78-1420		
BAT 743	G4791xG5709		7	21 2	41	.	.	N	8	8	.	.	8	78-1421		
BAT 744	G6615xG5709		6	21 2	38	.	.	N	8	2	.	.	8	78-1422		
BAT 745	G6615xG5709		7	21 2/1	38	.	.	N	6	2	.	.	8	78-1423		
BAT 746	G6615xG5709		7	21 1/2	36	.	.	N	7	8	.	.	8	78-1424		
BAT 747	G6615xG5709		7	21 2	38	.	.	N	7	2	.	.	8	78-1425		
BAT 748	G4452xG5709		7	32 2	38	.	.	N	8	8	.	.	8	78-1426		
BAT 749	G4452xG5709		7	21 2/1	38	.	.	N	8	2	.	.	8	78-1427		
BAT 750	G3696xG3834		7	21 2/1	42	.	.	N	5	2	.	.	8	78-1428		
BAT 751	G3696xG3834		3	21 2	42	.	.	N	5	2	.	.	8	78-1429		
BAT 752	G3696xG3834		4	21 3	41	.	.	N	6	2	.	.	8	78-1430		
BAT 753	G5481xG4473		6M	21 1	34	.	.	N	8	8	.	.	8	78-1431		
BAT 754	G5481xG4473		7	21 1	41	.	.	N	8	8	.	.	8	78-1432		
BAT 755	G5481xG4473		2M	32 1	34	.	.	N	8	8	.	.	8	78-1433		
BAT 756	G5481xG6038		2M	32 1	34	.	.	N	8	8	.	.	8	78-1434		
BAT 757	G5481xG6038		7	32 1	34	.	.	N	8	8	.	.	8	78-1435		
BAT 758	G4452xG4459		1	21 2/1	39	.	.	N	6	2	.	.	8	78-1436		
BAT 759	G4452xG4459		7	21 2/1	38	.	.	N	7	8	.	.	8	78-1437		
BAT 760	G4525xG4523		7	32 2	41	.	.	N	5	2	.	.	8	78-1438		
BAT 761	G4525xG4523		7	21 2	41	.	.	N	6	8	.	.	8	78-1439		
BAT 762	G4525xG4523		7	21 2/1	41	.	.	N	8	8	.	.	8	78-1440		
BAT 763	G4421xG4523		7	21 1	35	.	.	N	7	2	.	.	8	78-1441		
BAT 764	G4421xG4523		7	21 3	41	.	.	N	7	8	.	.	8	78-1442		
BAT 765	G1540xG4473		4	32 1	32	.	.	N	7	2	.	.	8	78-1443		
BAT 766	G1540xG4792		4	21 2	36	.	.	N	7	2	.	.	8	78-1444		
BAT 767	G1540xG4792		7	21 2/1	36	.	.	N	8	2	.	.	8	78-1445		
BAT 768	G4122xG948		7	21 3	43	.	.	N	7	8	.	.	5	78-1446		
BAT 769	G4122xG948		7	21 3	45	.	.	N-M	7	8	.	.	8	78-1447		
BAT 770	G4122xG1466		7	32 2	36	.	.	M-N	7	8	.	3	2	78-1448		
BAT 771	G4461xG4482		4	21 2	41	.	.	N	7	8	.	.	8	78-1449		
BAT 772	G4461xG4482		6	21 3	41	.	.	N	7	8	.	.	8	78-1450		
BAT 773	G4792xG4482		7	21 3	41	.	.	N	8	2	.	.	8	78-1451		

Line	Cross	Cult. type	Seed			Days to						VEF	IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
BAT 774	G4525xG4470		7	32	2	41	.	.	N-M	6	2	.	.	8	78-1452	
BAT 775	G4525xG4470		3	21	2	38	.	.	N	6	2	.	.	8	78-1453	
BAT 776	G4525xG4470		4	32	3	38	.	.	N	7	8	.	.	8	78-1454	
BAT 777	G4493xG4494		1	21	2	38	.	.	N	7	8	.	.	8	78-1455	
BAT 778	G4493xG4494		1	32	2/1	36	.	.	N	8	8	.	.	8	78-1456	
BAT 779	G4493xG4494		1	21	2	38	.	.	N	7	8	.	.	8	78-1457	
BAT 780	G5719xG5709		7	32	2	41	.	.	N	8	8	.	.	8	78-1458	
BAT 781	G5719xG5709		4	21	2	38	.	.	N	7	8	.	.	8	78-1459	
BAT 782	G5719xG5709		1	21	2	41	.	.	N	8	8	.	.	8	78-1460	
BAT 783	G4461xG4523		7	32	3/2	41	.	.	N	8	8	.	.	8	78-812	
BAT 784	(G4495xG3645) x (G4495xG5481)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 785	G3834xG3353		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 786	G1741xG5652		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 787	G4792xG2045		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 788	G4495xG2115		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 789	G4122xG3988		6	21	2	37	70	1	N	6	8	7	7	2	79-501	
BAT 790	G3645xG5481		3	32	2	40	77	1	N	3	8	7	5	8	79-502	
BAT 791	G1813xG4489		4	21	2A	39	72	8	N	3	8	7	5	2	79-503	
BAT 792	(G3709xG1320) x (G3645xG5478)		3	32	2	36	70	3	N	4	8	7	3	5	79-504	
BAT 793	G3645xG2115		2	21	2A	39	72	.	N	4	8	7	7	9	79-103	
BAT 794	G3645xG2115		2	21	3A	39	72	1	N	4	5	7	9	8	79-104	80
BAT 795	G3645xG2115		6	32	3B	40	83	6	N	4	2	7	9	8	79-105	80
BAT 796	G4495xG2115		4	21	3	44	77	.	N	4	5	7	9	8	79-106	
BAT 797	G4495xG2115		4	32	3A	39	75	.	N	4	5	7	5	8	79-107	
BAT 798	(G4495xG3645) x (G4495xG5479)	NEGRO	8	21	2	40	72	2	N	5	8	9	5	5	79-108	
BAT 799	(G3645xG5479) x (G3645xG2056)		2	21	2	40	75	1	N	4	8	7	5	5	79-109	
BAT 800	(G4495xG3645) x (G3645xG2115)		4	21	3A	37	71	.	N	5	8	7	5	8	79-110	
BAT 801	(G3645xG5481) x (G2115xG5481)		4	32	4A	36	83	.	N	4	8	7	5	8	79-111	
BAT 802	(G3645xG5481) x (G2115xG5481)		4	32	2	37	77	.	N	6	8	7	7	8	79-112	
BAT 803	(G4495xG5481) x (G3645xG5481)		4	32	2	40	77	.	N	4	8	7	5	8	79-113	
BAT 804	G4830xG3736	NEGRO	8	21	2A	40	77	1	N	3	5	9	9	8	79-114	80
BAT 805	G3645xG5709		4	21	2A	39	74	1	N	5	5	7	7	8	79-115	
BAT 806	G3645xG5709		4	32	2A	37	72	.	N	5	5	7	7	8	79-116	
BAT 807	G4454xG5709		4	32	2A	41	75	.	N	4	5	7	9	8	79-117	
BAT 808	G4454xG5709		4	21	2	39	75	.	N	3	5	9	7	8	79-118	
BAT 809	G3974xG5709		6	21	3A	39	75	.	N	5	5	7	9	8	79-119	
BAT 810	G4421xG5709		3	21	2A	39	75	.	N	4	8	7	9	8	79-120	
BAT 811	G4421xG5709		3	32	2A	39	75	.	N	4	8	7	9	8	79-121	
BAT 812	G3696xG5709		3	32	2A	41	77	.	N	5	5	7	9	8	79-122	
BAT 813	G3696xG5709		2	21	3A	40	77	.	N	5	8	7	9	8	79-123	
BAT 814	G3360xG5709		7	21	2B	39	75	.	N	5	5	9	9	8	79-124	
BAT 815	G3360xG5709		4	32	2A	37	75	.	N	4	5	7	9	8	79-125	
BAT 816	G3360xG5709		7	32	2A	39	72	.	N	5	5	7	9	8	79-126	
BAT 817	G3360xG5709		4	32	2A	40	72	.	N	5	8	7	9	8	79-127	
BAT 818	G3360xG5709		4	21	2A	39	72	.	N	5	8	9	7	8	79-128	
BAT 819	G3154xG5709		4	32	2B	41	75	.	N	5	8	9	5	2	79-129	
BAT 820	G4525xG5709		4	32	2A	40	75	.	N	6	8	7	9	8	79-130	
BAT 821	G4525xG5709		4	32	2A	39	73	.	N	5	2	7	9	8	79-131	
BAT 822	G4525xG5709		7	21	2A	40	72	.	N	7	8	7	9	8	79-132	
BAT 823	G4525xG5709		4	32	2A	41	74	.	N	5	8	7	9	8	79-133	
BAT 824	G4525xG5709		4	32	2A	41	75	.	N	4	5	7	9	8	79-134	
BAT 825	G4525xG5709		4	21	2A	39	72	.	N	4	5	7	5	8	79-135	
BAT 826	G4525xG5709		4	21	2A	39	72	.	N	5	8	7	9	8	79-136	
BAT 827	G2115xG3065		4	32	3B	39	75	.	N	6	2	7	9	8	79-143	
BAT 828	G4122xG3065	NEGRO	8	21	3B	39	75	3	N	4	8	7	9	5	79-144	
BAT 829	G3834xG3065	NEGRO	8	21	VA	39	75	.	N	3	8	7	7	8	79-145	

Line	Cross	Cult. type	Seed			Days to									VEF Yr Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	ECMV	Emp	Ant	CBB	ALS	Rust		
BAT 830	G3834xG3065	NEGRO	8	21	2A	40	75	.	N	3	8	9	7	8	79-146	
BAT 831	G3834xG3065	NEGRO	8	32	2	41	77	.	N	4	8	7	7	2	79-147	
BAT 832	G3834xG3065	NEGRO	8	32	2B	43	77	8	N	3	5	7	7	8	79-148	81
BAT 833	G3834xG5477		4	32	2A	39	72	.	N	6	8	5	7	8	79-149	
BAT 834	G4792xG5477		1	21	2A	39	75	.	M	6	8	5	7	8	79-150	
BAT 835	G4525xG5477		6	32	2	39	71	.	N	4	8	7	9	8	79-151	
BAT 836	G3645xG3353		4	32	1	35	77	.	N	6	5	5	7	9	79-152	
BAT 837	G3645xG3353		5	32	1	35	72	.	M	6	8	7	5	9	79-153	
BAT 838	G4495xG1320		4	32	2	40	75	8	N	5	2	7	5	8	79-154	
BAT 839	G4122xG1320		3	32	3B	40	80	4	N	4	8	7	9	5	79-155	
BAT 840	G4122xG1320		2	32	2B	39	72	.	N	5	8	9	9	8	79-156	
BAT 841	G4122xG1320		2	21	3A	37	75	4	N	5	2	5	9	8	79-157	
BAT 842	G3627xG1320		4	21	2A	39	72	.	N	6	8	7	7	8	79-158	
BAT 843	G4525xG1320		4	21	2	37	75	.	N	5	2	7	9	8	79-159	
BAT 844	G4525xG1320		4	32	2	35	75	.	N	6	8	7	9	8	79-160	
BAT 845	G3627xG5478		4	21	2A	37	71	.	N	5	2	7	7	8	79-161	
BAT 846	G4421xG5478		3	21	2	40	75	.	N	3	8	7	9	8	79-162	
BAT 847	G4792xG4485	NEGRO	8	21	2B	39	75	4	N	3	8	9	5	8	79-163	
BAT 848	G4495xG3974		6	32	2	40	75	.	N	4	8	7	9	5	79-164	
BAT 849	G4421xG4454		4	21	2A	41	77	.	N	4	8	7	9	8	79-165	
BAT 850	G4421xG4454		3	32	2A	40	75	.	N	4	8	7	9	8	79-166	
BAT 851	G3153xG4454		6	21	2	40	75	.	N	4	8	7	9	2	79-167	
BAT 852	G3974xG1741		4	32	3A	40	75	.	N	5	8	7	9	8	79-168	
BAT 853	G2115xG1741		4	32	2	39	71	.	N	5	8	5	9	8	79-169	
BAT 854	G3696xG3804		4	21	3A	41	77	.	N	4	5	5	9	8	79-170	
BAT 855	G3696xG3804		1	32	1	35	75	.	N	5	8	5	9	8	79-171	
BAT 856	G4122xG3804		6	21	3A	39	77	.	N	5	8	9	9	5	79-172	
BAT 857	G4122xG3804		6	21	3A	39	75	.	N	6	8	9	9	5	79-173	
BAT 858	G4486xG3988		6	21	3A	39	75	8	N	5	8	5	9	5	79-174	
BAT 859	G4486xG3988		6	18	3	41	77	.	N	8	8	7	9	7	79-167	
BAT 860	G4486xG3988		6	21	VA	39	71	.	N	5	8	7	9	9	79-176	
BAT 861	G4495xG3988		6	21	3A	39	72	.	N	5	8	7	7	8	79-177	
BAT 862	G4495xG3988		4	21	VA	39	72	.	N	4	8	7	3	8	79-178	
BAT 863	G4122xG3988		6	21	3A	39	77	.	N	6	8	9	9	5	79-179	
BAT 864	G4122xG3988		6	32	3B	39	77	.	N	5	8	7	7	5	79-180	
BAT 865	G1741xG3988		6	32	VA	39	75	.	M	7	8	7	9	8	79-181	
BAT 866	G4122xG5481		3	32	VA	36	77	.	N	5	8	5	9	8	79-182	
BAT 867	G4792xG5653		4	32	3A	39	77	8	N	5	8	7	5	2	79-183	
BAT 868	G4792xG5653		4	32	3	39	77	6	N	4	5	9	9	5	79-184	
BAT 869	G4792xG5652	NEGRO	8	21		39	75	.	N	4	8	9	9	2	79-185	
BAT 870	G4122xG4465	NEGRO	8	21	3A	40	77	.	N	4	8	7	9	8	79-186	
BAT 871	G4495xG5711	NEGRO	8	21	2	40	72	3	N	4	8	9	5	8	79-187	80
BAT 872	G4495xG5711	NEGRO	8	21	2	39	75	.	N	4	8	9	7	8	79-188	
BAT 873	G4495xG5711	NEGRO	8	32	3A	39	72	3	N	3	8	9	7	9	79-189	80
BAT 874	G3834xG5054		3	21	2B	43	77	4	N	5	5	7	9	8	79-190	80
BAT 875	G3834xG5208	NEGRO	8	21	2	41	75	.	N	5	8	9	9	5	79-191	
BAT 876	G1813xG4489		2	21	2	40	75	.	N	5	5	9	7	2	79-192	
BAT 877	G3834xG4485	NEGRO	8	21	2	41	77	.	N	4	5	7	9	8	79-193	
BAT 878	G4525xG4485	NEGRO	8	21	2	39	77	.	N	3	8	7	9	8	79-196	
BAT 879	G4525xG4485	NEGRO	8	21	2	40	77	.	N	4	8	9	9	8	79-197	
BAT 880	G4525xG4485	NEGRO	8	21	2A	40	77	.	N	4	8	7	9	8	79-198	
BAT 881	(G3834xG2045) x (G3627xG5481)		4	21	2A	40	75	1	N	4	8	7	5	8	79-199	
BAT 882	(G3834xG2045) x (G3627xG5481)		4	21	2A	42	75	.	N	3	8	7	5	8	79-200	
BAT 883	(G3834xG2045) x (G3627xG5481)		4	21	2A	40	72	2	N	4	8	7	5	8	79-201	
BAT 884	(G3627xG4485) x (G2115xG4493)		1	21	VA	40	77	.	N	4	8	7	7	2	79-202	
BAT 885	(G3834xG2045) x (G3974xG4493)		4	21	2A	39	74	8	N	4	5	9	3	5	79-203	

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
BAT 886	(G3834xG2045) x (G3974xG4493)		4	21	2A	40	75	.	N	5	8	7	3	5	79-204	
BAT 887	(G4122xG5481) x (G4495xG1248)		5	32	VA	39	75	.	N	5	8	7	7	8	79-205	
BAT 888	(G4122xG5481) x (G4495xG1248)		4	32	2A	39	72	.	N	5	8	7	9	8	79-206	
BAT 889	(G4122xG5481) x (G4495xG1248)		4	21	VA	37	72	.	N	5	8	7	9	8	79-207	
BAT 890	(G4122xG5481) x (G4495xG1248)		4	32	VA	39	75	.	N	7	8	7	9	8	79-208	
BAT 891	(G4122xG5481) x (G4495xG1248)		4	21	VA	39	77	.	N	5	8	7	9	8	79-209	
BAT 892	(G4122xG5481) x (G4495xG1248)		4	21	2A	39	72	.	N	6	8	9	9	8	79-210	
BAT 893	(G2056xG5481) x (G2539xG4485)		6	21	2B	40	75	.	N	6	8	5	9	8	79-211	
BAT 894	(G2056xG5481) x (G2539xG4485)		6	21	2B	39	75	.	N	4	8	7	9	8	79-212	
BAT 895	(G2056xG5481) x (G2539xG4485)		5	21	2B	39	72	.	N	4	8	7	9	8	79-213	
BAT 896	(G2056xG5481) x (G2539xG4485)		6	21	2	39	74	1	N	4	8	7	9	8	79-214	80
BAT 897	(G2056xG5481) x (G2539xG4485)		6	19	2	39	75	.	N	9	8	7	9	9	79-168	
BAT 898	(G2056xG4493) x (G3664xG4485)		4	21	2A	39	71	.	N	5	8	7	7	8	79-216	
BAT 899	(G3664xG4215) x (G4525xG4485)	NEGRO	8	21	2A	39	75	.	N	5	8	7	7	5	79-217	
BAT 900	(G3974xG5481) x (G4525xG4485)		5	32	2A	39	77	.	N	6	8	7	7	5	79-218	
BAT 901	(G3974xG5481) x (G4525xG4485)		4	32	2A	39	75	.	N	3	8	7	9	5	79-219	
BAT 902	(G3627xG4525) x (G3834xG5694)	NEGRO	8	21	2A	39	72	.	N	4	8	7	3	8	79-220	
BAT 903	(G2539xG5481) x (G4525xG5694)		4	32	2A	40	75	.	N	6	8	7	7	8	79-221	
BAT 904	(G2539xG5481) x (G4525xG5694)		4	32	2A	41	77	.	N	6	8	7	5	8	79-222	
BAT 905	(G1741xG2045) x (G4792xG5694)	NEGRO	8	32	2	39	71	.	N	5	8	9	3	2	79-223	
BAT 906	(G1741xG2045) x (G4792xG5694)	NEGRO	8	21	2A	40	77	1	N	5	8	7	7	8	79-224	80
BAT 907	(G3974xG4215) x (G4122xG4489)		1	21	2A	39	72	.	N	5	8	9	7	5	79-225	
BAT 908	G3696xG5652	NEGRO	8	21	2A	41	78	.	N	5	8	9	7	5	79-226	
BAT 909	G3128xG5652	NEGRO	8	21	2A	43	78	.	N	5	8	7	9	8	79-227	
BAT 910	G2146xG5652	NEGRO	8	21	2A	39	78	4	N	4	8	7	3	2	79-228	80
BAT 911	G3696xG4465	NEGRO	8	21	2	43	78	.	N	4	8	7	3	5	79-229	
BAT 912	G3131xG4465	NEGRO	8	21	2	43	78	8	N	4	5	7	3	2	79-230	
BAT 913	G3627xG5711	NEGRO	8	21	2	40	77	1	N	4	5	9	5	2	79-231	
BAT 914	G4421xG5481		3	32	VA	39	78	.	N	6	5	7	9	8	79-232	
BAT 915	(G4177xG4122) x (G2005xG5004)		2	32	2A	41	77	.	N	5	8	7	9	8	79-233	
BAT 916	(G4177xG4122) x (G2005xG5004)		4	21	2B	40	77	.	N	4	8	9	9	2	79-234	
BAT 917	(G3645xG2056) x (G4122xG5054)		1	32	2A	39	77	.	N	6	8	5	5	5	79-235	
BAT 918	G4122xG310		4	32	1	36	76	.	N	5	8	7	7	8	79-236	
BAT 919	G4977xG4485	NEGRO	8	21	2	40	77	1	N	5	5	7	9	8	79-237	
BAT 920	G3974xG4489		4	32	2A	41	77	.	N	7	2	7	9	8	79-242	
BAT 921	G5704xG5719		4	21	2	43	.	.	N	6	5	7	9	8	79-243	
BAT 922	G5704xG5719		1	21	1	.	.	.	N	6	8	7	9	8	79-244	
BAT 923	G4452xG5749		4	32	2A	39	78	1	N	6	5	7	7	2	79-245	
BAT 924	G4452xG5749		4	32	2	39	81	.	N	5	5	7	9	9	79-246	
BAT 925	G4452xG5749		4	32	2	39	81	.	N	6	8	5	9	8	79-247	
BAT 926	G5267xG5749		4	21	VA	44	81	.	N	6	8	7	5	8	79-248	
BAT 927	G4478xG5749		4	32	2A	39	71	.	N	7	8	7	5	2	79-249	
BAT 928	G4791xG5749		6	32	2A	43	77	.	N	5	8	7	5	8	79-250	
BAT 929	G4791xG5749		4	21	2A	40	71	.	N	5	8	7	9	8	79-251	
BAT 930	G4791xG5749		6	32	2A	40	74	.	N	3	8	7	3	8	79-252	
BAT 931	G4791xG5749		6	32	2A	39	71	.	N	4	8	7	9	8	79-253	
BAT 932	G4493xG5478		1	21	2	39	75	.	N	5	8	7	5	8	79-256	
BAT 933	(G4495xG3353) x (G2115xG5477)		4	32	2A	39	75	.	N	5	8	7	5	8	79-257	
BAT 934	(G4792xG1320) x (G2115xG5477)		4	32	VA	39	75	.	N	7	8	9	9	8	79-258	
BAT 935	(G4792xG1320) x (G2115xG5477)		4	32	2	39	75	.	N	6	8	7	9	8	79-259	
BAT 936	(G3627xG1320) x (G3353xG5477)		4	21	2	39	72	1	N	5	2	7	5	8	79-260	
BAT 937	(G4495xG3353) x (G3627xG5476)		4	32	2A	39	72	.	N	5	8	9	3	8	79-261	
BAT 938	(G3645xG3353) x (G4122xG5478)		5	32	2	37	75	.	N	5	8	9	7	8	79-262	
BAT 939	(G4454xG1320) x (G4122xG5478)		5	21	2	39	75	.	N	5	2	9	9	8	79-263	
BAT 940	(G4454xG1320) x (G4122xG5478)		2	21	2	39	77	4	N	5	2	7	9	8	79-264	
BAT 941	(G2056xG3353) x (G3709xG5477)		6	32	2	39	72	.	N	5	8	9	9	8	79-265	

Line	Cross	Cult. type	Seed			Days to					VEF			IB		
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS		Rust	Yr	Ent	YAN
BAT 942	(G2056xG3353) x (G3709xG5477)		6	32	3A	40	77	.	N	5	8	7	9	8	79-266	
BAT 943	(G2005xG3353) x (G4792xG5477)	NEGRO	8	32	3A	41	77	.	N	5	8	7	9	8	79-267	
BAT 944	(G4495xG3353) x (G4792xG5477)	NEGRO	8	32	2	39	72	.	N	4	8	9	9	8	79-268	
BAT 945	(G4495xG3353) x (G4792xG5477)	NEGRO	8	32	2	40	72	4	N	5	8	9	7	5	79-269	81
BAT 946	(G1741xG1320) x (G4792xG5477)		4	32	3	40	74	.	N	4	5	7	9	5	79-270	
BAT 947	(G1741xG1320) x (G4792xG5477)		4	21	3A	39	75	3	N	6	8	5	9	5	79-271	
BAT 948	(G4122xG1320) x (G4792xG5477)		2	32	3B	43	78	.	N	6	8	9	7	8	79-272	
BAT 949	(G4122xG1320) x (G3154xG5476)		5	32	3A	43	78	.	N	7	8	5	5	5	79-273	
BAT 950	G3729xG4494		6	42	VA	34	81	8	N	6	8	5	9	9	79-274	80
BAT 951	G3729xG4452		7	42	VA	36	78	.	N	7	5	7	9	5	79-275	
BAT 952	G3729xG4452		7	42	1	35	78	.	N	6	2	7	9	8	79-276	
BAT 953	G3729xG4452		7	32	VA	39	78	.	N	6	8	7	3	9	79-277	
BAT 954	G3729xG4452		7	42	1	36	78	.	N	5	5	7	7	8	79-278	
BAT 955	G3729xG4452		4	42	1	34	77	.	N	6	2	7	7	8	79-279	
BAT 956	G3729xG4452		7	42	1	34	78	.	N	6	2	5	9	8	79-280	
BAT 957	G4142xG4505		4	32	2B	40	78	.	N	5	8	7	7	8	79-281	
BAT 958	G4142xG4458		5	32	2A	39	72	8	N	4	2	7	5	9	79-282	
BAT 959	G5652xG4142	NEGRO	8	32		39	74	.	N	4	8	7	7	2	79-283	
BAT 960	G4142xG4454	NEGRO	8	21	2A	43	77	.	N	3	8	7	7	8	79-284	
BAT 961	G4142xG4455	NEGRO	8	21	2A	40	76	.	N	3	8	7	5	8	79-285	
BAT 962	G5479xG4142	NEGRO	8	32	2A	40	75	.	N	3	8	7	9	8	79-286	
BAT 963	G3597xG5694		4	32	2A	39	81	1	N	5	5	5	3	8	79-288	
BAT 964	G4458xG5694		4	32	2A	43	78	.	N	3	2	5	5	8	79-289	
BAT 965	G4458xG5694		4	32	2A	40	78	1	N	3	5	5	3	8	79-290	
BAT 966	G4458xG5694		3	32	2A	43	78	1	N	4	5	5	5	8	79-291	
BAT 967	G4458xG5694		4	32	3A	40	77	.	N	4	5	7	3	8	79-292	
BAT 968	G4477xG5694		4	32	VA	39	75	.	N	5	8	7	5	8	79-293	
BAT 969	G4477xG5694		6	32	3A	39	71	.	N	4	8	7	5	8	79-294	
BAT 970	(G3834xG5709) xG3834		4	42	2A	39	71	.	N	4	5	7	5	8	79-295	
BAT 971	(G3834xG5709) xG3834	NEGRO	8	21	2A	40	77	8	N	5	5	7	5	8	79-296	
BAT 972	(G4792xG5709) xG4792		6	21	2A	39	71	8	N	5	2	7	5	2	79-297	
BAT 973	(G4454xG5709) xG4454		4	32	2A	39	71	.	N	5	8	7	9	8	79-298	
BAT 974	(G4454xG5709) xG4454		4	21	2A	43	77	.	N	4	8	5	9	8	79-299	
BAT 975	G5141xG2005		3	21	2	40	77	.	N	4	8	7	9	8	79-300	
BAT 976	G5141xG3834		3	21	2A	39	77	.	N	4	8	7	7	8	79-301	
BAT 977	G3645xG5141		3	21	2A	39	75	.	N	3	8	7	7	8	79-302	
BAT 978	G3645xG5141		4	21	2	39	74	.	N	4	8	7	5	8	79-303	
BAT 979	G4454xG4494		4	32	2	39	77	.	N	4	5	7	9	8	79-304	
BAT 980	G4454xG4494		4	32	VA	34	72	.	N	5	5	7	9	9	79-305	
BAT 981	G4454xG4494		4	32	VA	36	77	.	N	5	5	5	9	8	79-306	
BAT 982	G4454xG4494		4	32	VA	36	78	.	N	5	.	7	9	8	79-307	
BAT 983	G4454xG4494		4	32	VA	39	78	.	N	8	5	3	9	8	79-308	
BAT 984	G4454xG4494		4	32	2A	40	83	.	N	6	2	5	9	9	79-309	
BAT 985	G4454xG4494		6	42	1	37	75	.	N	7	2	7	9	8	79-310	
BAT 986	G4454xG4494	NEGRO	8	32	1	35	77	.	N	5	5	9	7	8	79-311	85
BAT 987	G4454xG4494		7	32	2	43	81	.	N	6	5	5	9	8	79-312	
BAT 988	G4177xG4494		4	42	2A	40	78	.	N	4	5	7	9	8	79-313	
BAT 989	G4177xG4494		4	32	2	39	78	.	N	5	.	5	5	8	79-314	
BAT 990	G4177xG4494		7	32	VA	39	78	.	N	5	5	3	9	8	79-315	
BAT 991	G4177xG4494		6	32	2A	39	72	.	N	4	8	7	9	8	79-316	
BAT 992	G4194xG4494		4	21	2	40	83	.	N	5	5	5	9	8	79-317	
BAT 993	G4194xG4494		4	42	I	39	83	.	N	7	5	5	3	8	79-318	
BAT 994	G5054xG4494		7	42	VA	34	75	.	N	6	5	3	9	8	79-319	
BAT 995	G5054xG4494		6	32	3A	43	83	8	N	5	5	5	9	8	79-320	
BAT 996	G4421xG4494		6	42	1	33	71	.	M	6	8	5	5	9	79-321	
BAT 997	G5141xG4494		4	42	1	35	77	.	N	6	5	5	9	8	79-322	

Line	Cross	Cult. type	Seed			Days to								VEF Yr Ent	IR YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust
BAT 998	G5141xG4494	NEGRO	8	32	1	36	77	.	N	7	5	5	9	8	79-323	
BAT 999	G5141xG4494		4	32	2A	39	72	.	N	5	5	7	5	8	79-324	
BAT 1000	G4831xG4485		7	32	2A	40	75	.	N	6	5	7	9	8	79-325	
BAT 1001	G4831xG4495		7	32	2A	39	77	.	N	6	8	5	9	8	79-326	
BAT 1002	G4831xG4495		4	21	VA	40	77	.	N	5	5	7	5	8	79-327	
BAT 1003	G3913xG4495		4	21	3A	43	78	.	N	6	5	9	9	8	79-328	
BAT 1004	G4143xG5709		6	32	3A	39	75	.	N	7	5	5	9	8	79-329	
BAT 1005	G4143xG5709		4	21	2A	39	76	.	N	6	8	5	9	8	79-330	
BAT 1006	G3627xG1070		4	21	2B	40	77	.	N	6	8	5	5	8	79-331	
BAT 1007	G4495xG4354	NEGRO	8	32	2A	39	72	.	N	4	8	9	7	8	79-332	
BAT 1008	IN40xG5694		4	21	2	39	77	.	N	4	5	7	9	8	79-333	
BAT 1009	IN40xG5694	NEGRO	8	32	2	36	76	.	N	6	2	7	5	8	79-334	
BAT 1010	G6615xG5694		4	32	1	34	78	.	N	6	5	3	3	8	79-335	
BAT 1011	G6615xG5694		4	21	2	40	78	.	N	4	.	7	5	8	79-336	
BAT 1012	G5445xG5709		6	32	2A	39	70	.	N	4	8	7	5	8	79-337	
BAT 1013	G4791xG5709		6	32	2A	43	75	.	N	5	5	5	9	8	79-338	
BAT 1014	G4791xG5709		4	32	2A	40	75	.	N	5	5	7	9	8	79-339	
BAT 1015	G4791xG5709		6	32	2A	39	71	.	N	6	5	9	9	8	79-340	
BAT 1016	G6615xG5709		6	32	2A	40	75	.	N	4	2	9	5	9	79-341	
BAT 1017	G6615xG5709		7	32	2A	39	77	.	N	7	.	7	9	8	79-342	
BAT 1018	G6615xG5709		7	32	2A	40	75	.	N	5	5	7	9	8	79-343	
BAT 1019	G6615xG5709		7	42	1	35	77	.	N	6	2	7	7	8	79-344	
BAT 1020	G6615xG5709		7	42	VA	36	77	.	N	6	5	7	9	8	79-345	
BAT 1021	G6615xG5709		7	42	1	37	77	.	N	5	2	7	9	8	79-346	
BAT 1022	G6615xG5709		7	32	1	36	77	.	N	7	2	7	9	8	79-347	
BAT 1023	G6615xG5709	NEGRO	8	42		39	77	.	N	7	8	3	7	8	79-348	
BAT 1024	G6615xG5709		6	32	1	35	72	.	N	5	8	7	7	8	79-349	
BAT 1025	G6615xG5709		6	32	2A	40	75	.	N	6	5	5	9	8	79-350	
BAT 1026	G6615xG5709		6	32	2A	43	77	.	N	5	8	7	9	8	79-351	
BAT 1027	G6615xG5709		7	32	2A	43	78	.	N	6	5	7	5	8	79-352	
BAT 1028	G6615xG5709		7	42	1	35	72	.	N	6	8	7	7	9	79-353	
BAT 1029	G6615xG5709		7	42	VA	39	77	.	N	7	5	5	5	9	79-354	
BAT 1030	G4452xG5709		7	42	2A	40	77	.	N	5	5	7	5	9	79-355	
BAT 1031	G4452xG5709		4	42	2A	40	77	.	N	6	2	7	5	9	79-356	
BAT 1032	G4452xG5709		7	42	VA	39	77	.	N	6	8	7	9	8	79-357	
BAT 1033	G4452xG5709		7	42	1	34	77	.	N	7	2	7	9	9	79-358	
BAT 1034	G4452xG5709		4	32	2	40	77	.	N	7	8	7	9	8	79-359	
BAT 1035	G7603xG5709		3	32	3	43	78	.	N	6	8	7	9	8	79-360	
BAT 1036	G7603xG5709		4	21	2A	42	77	.	N	5	8	7	9	8	79-361	
BAT 1037	((G4495xG5479)x(G3645xG4142))x((...	NEGRO	8	21	2	43	77	8	N	3	8	9	7	5	79-362	
BAT 1038	((G4495xG3645)x(G4495xG5479))x((...		4	21	2A	43	77	.	N	6	8	7	5	2	79-363	
BAT 1039	((G4495xG3645)x(G4495xG5479))x((...		4	32	2A	40	75	.	N	5	8	7	3	5	79-364	
BAT 1040	((G4495xG3645)x(G4495xG5479))x((...		4	21	2A	39	71	.	N	5	8	7	3	2	79-365	
BAT 1041	((G4495xG5479)x(G3645xG5479))x((...		3	21	3A	43	77	.	N	4	8	7	5	9	79-366	
BAT 1042	((G4495xG5479)x(G3645xG5479))x((...	NEGRO	8	21	2A	39	75	.	N	4	8	9	5	8	79-367	
BAT 1043	G3913xG3645		4	21	2A	40	75	.	N	5	8	9	9	8	79-368	
BAT 1044	G3834xG3645	NEGRO	8	21	2A	40	75	.	N	4	8	9	7	8	79-369	
BAT 1045	G5703x(G5703xG3736)		4	21	2A	40	75	.	N	4	8	5	7	8	79-370	
BAT 1046	G5703x(G5703xG3736)		4	21	2A	42	77	.	N	6	8	7	5	8	79-371	
BAT 1047	G4456xG4493		1	21	2	39	72	.	N	7	8	5	5	8	79-372	
BAT 1048	G2959xG4831		4	21	2A	40	78	.	N	4	5	5	5	8	79-373	
BAT 1049	G2959xG4831		4	32	2A	40	83	.	N	4	5	5	5	8	79-374	
BAT 1050	G4177xG5704	NEGRO	8	21	2A	40	85	.	N	5	8	7	9	8	79-375	
BAT 1051	G4505xG5704		4	42	1	34	75	.	N	7	8	7	5	5	79-376	
BAT 1052	G4505xG5704		4	42	1	36	75	.	N	7	8	7	7	8	79-377	
BAT 1053	G1820xG1540		4	21	3A	39	83	.	N	6	.	5	7	8	79-378	

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS			Rust	Yr	Ent	YAN
BAT 1054	G1820xG1540		4	32	2A	40	78	.	N	5	5	7	5	8	79-379	
BAT 1055	G2005xG4792	NEGRO	8	21	3A	39	77	.	N	4	8	7	7	8	79-380	
BAT 1056	G1820xG4489	NEGRO	8	21	2	39	75	1	N	3	5	9	7	8	79-381	
BAT 1057	G1820xG4792	NEGRO	8	21	2	39	74	8	N	5	5	9	5	5	79-382	80
BAT 1058	G1820xG4792	NEGRO	8	21	2A	39	75	.	N	3	8	9	5	8	79-383	
BAT 1059	G1996xG4489	NEGRO	8	21	2A	40	75	.	N	4	8	7	7	8	79-384	
BAT 1060	G3834xG4495	NEGRO	8	21	2	40	75	8	N	5	8	9	5	2	79-385	81
BAT 1061	G4459xG4489		1	21	2A	39	77	3	N	4	.	7	7	2	79-386	80
BAT 1062	G5054xG4792		3	21	2A	39	75	.	N	5	8	9	7	2	79-387	
BAT 1063	G5054xG4792		3	32	3A	42	77	.	N	4	8	7	9	8	79-388	
BAT 1064	G3834xG2146		3	21	VA	39	77	.	N	3	8	7	7	8	79-389	
BAT 1065	G3834xG2146	NEGRO	8	21	2A	39	74	.	N	4	8	9	9	8	79-390	
BAT 1066	G4489xG2146		7	21	3A	40	75	.	N	5	5	7	9	2	79-391	
BAT 1067	G4421xG4122		3	21	2A	42	77	.	N	3	8	7	7	8	79-392	
BAT 1068	G4421xG4122		3	21	3	42	85	.	N	4	5	9	9	8	79-393	
BAT 1069	G4421xG4122		3	21	3A	40	77	.	N	5	8	7	9	5	79-394	
BAT 1070	G4421xG4792		3	21	2A	39	77	.	N	4	.	9	9	2	79-395	
BAT 1071	G4421xG4792		3	21	2A	39	73	.	N	5	8	9	9	9	79-396	
BAT 1072	G4525xG4122	NEGRO	8	21	2A	40	77	.	N	4	8	9	9	8	79-397	
BAT 1073	G4525xG3834	NEGRO	8	32	2A	39	77	.	N	6	8	9	7	8	79-398	
BAT 1074	G4525xG4792	NEGRO	8	21	2	40	77	.	N	5	8	9	9	2	79-399	
BAT 1075	G4525xG4792	NEGRO	8	21	2	39	78	.	N	4	8	9	5	2	79-400	
BAT 1076	G4456xG3834	NEGRO	8	21	2A	39	75	.	N	5	8	9	9	8	79-401	
BAT 1077	G5481xG4473		6	32	1	42	83	.	N	6	8	5	9	8	79-402	
BAT 1078	G5481xG4473		3	32	1	35	78	.	N	7	8	7	9	9	79-403	
BAT 1079	G5481xG6038		7	32	1	43	85	1	N	5	8	3	7	8	79-404	
BAT 1080	G5481xG6038		7	32	1	43	85	.	N	5	8	5	9	8	79-405	
BAT 1081	G5481xG6038		3	32	1	34	71	1	N	6	8	5	7	8	79-406	
BAT 1082	G5481xG6038		3	32	1	40	77	.	N	7	8	7	9	8	79-407	
BAT 1083	G5481xG6038		6	32	VA	35	83	.	N	7	8	7	9	8	79-408	
BAT 1084	G4489xG4142	NEGRO	8	21	2A	39	72	.	N	5	8	7	7	2	79-409	
BAT 1085	G4791xG4459		4	21	2A	39	74	.	N	5	5	5	9	8	79-410	
BAT 1086	G4452xG4459		7	42	2	39	78	.	N	5	8	5	3	2	79-411	
BAT 1087	G4452xG4459		1	21	2A	39	83	.	N	5	8	5	9	8	79-412	
BAT 1088	G4792xG4206		3	32	2A	39	75	4	N	3	5	9	3	8	79-413	
BAT 1089	G3834xG4044		4	21	2A	39	74	.	N	5	8	7	9	8	79-414	
BAT 1090	G3834xG4044		4	21	2A	39	75	8	N	5	5	9	5	2	79-415	
BAT 1091	G3834xG4044		4	21	2A	40	75	.	N	7	5	9	5	8	79-416	
BAT 1092	G3834xG4791		6	21	2A	39	71	.	N	5	5	7	9	5	79-417	
BAT 1093	G3834xG4791		4	21	2A	39	72	.	N	6	5	7	9	8	79-418	
BAT 1094	G3834xG4791		6	32	2	39	74	.	N	7	5	7	9	2	79-419	
BAT 1095	G3834xG4791		6	32	2	39	74	.	N	6	5	7	9	5	79-420	
BAT 1096	G3834xG4791		6	32	2	39	75	.	N	5	5	7	9	8	79-421	
BAT 1097	G3834xG4791		6	32	2	39	75	.	N	5	5	7	9	8	79-422	
BAT 1098	G3834xG4791		4	32	2	39	72	.	N	4	5	9	9	2	79-423	
BAT 1099	G3834xG4791		6	32	2A	39	72	.	N	3	5	7	9	8	79-424	
BAT 1100	G3834xG4791		6	32	2A	39	75	.	N	4	5	7	9	9	79-425	
BAT 1101	G3834xG4791		6	32	2	40	75	.	N	4	8	7	7	8	79-426	
BAT 1102	G4792xG4791		6	28	3	41	77	5	N	9	8	7	9	3	79-169	
BAT 1103	G4792xG4791		4	32	2	39	77	1	N	5	5	7	9	2	79-428	
BAT 1104	G4792xG4791		4	32	3A	39	75	.	N	5	5	9	9	5	79-429	
BAT 1105	G4495xG4470		4	32	2	39	78	8	N	3	5	5	5	8	79-430	
BAT 1106	G3834xG4470		4	32	2	39	77	.	N	3	5	5	9	8	79-431	
BAT 1107	G3834xG4470		4	32	2B	39	83	.	N	8	8	7	5	8	79-432	
BAT 1108	G3834xG4470		8	32	2B	40	83	.	N	6	8	7	7	8	79-433	
BAT 1109	G4122xG3974		6	32	3A	40	78	.	N	5	8	9	9	5	79-434	

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
BAT 1110	G4122xG3974		5	32	2	39	75	.	N	5	8	7	9	8	79-435	
BAT 1111	G4461xG4523		4	32	2B	39	78	.	N	4	8	7	9	8	79-436	
BAT 1112	G4461xG4523		4	32	VA	40	83	.	N	5	2	7	9	8	79-437	
BAT 1113	G4461xG4523		4	21	1	39	71	3	N	6	5	1	5	8	79-438	
BAT 1114	G4461xG4523		4	21	VA	39	77	.	N	4	5	1	7	8	79-439	
BAT 1115	G4461xG4523		4	21	2A	40	72	.	N	6	5	7	9	8	79-440	
BAT 1116	G4461xG4523		4	32	2	40	77	.	N	6	5	7	9	8	79-441	
BAT 1117	G4461xG4523		4	21	1	37	72	.	N	7	8	5	9	8	79-442	
BAT 1118	G4461xG4523		4	32	VA	39	77	.	N	6	2	7	7	8	79-443	
BAT 1119	G4525xG4523		4	32	2	40	77	.	N	8	5	7	9	8	79-444	
BAT 1120	G4421xG4523		4	32	VA	37	77	.	N	6	2	5	9	8	79-445	
BAT 1121	G4421xG4523		4	21	3A	40	77	.	N	5	5	7	9	8	79-446	
BAT 1122	G4421xG4523		3	32	VA	33	78	.	N	6	8	5	9	8	79-447	
BAT 1123	G4421xG4523		3	42	2	39	77	.	N	5	8	7	9	8	79-448	
BAT 1124	G4523xG1093		3	32	1	34	77	.	N	5	8	7	9	9	79-449	
BAT 1125	G1540xG4473		4	32	1	33	72	.	N	5	8	7	7	8	79-450	
BAT 1126	G1540xG4473		4	42	1	35	77	.	N	6	8	7	9	8	79-451	
BAT 1127	G4792xG4446		4	32	3A	40	77	3	N	5	8	7	9	5	79-452	
BAT 1128	G4792xG4446		4	32	2	40	77	.	N	5	8	7	9	8	79-453	
BAT 1129	G4792xG4446		4	32	2	40	77	8	N	4	8	9	5	2	79-454	
BAT 1130	G4792xG948		4	21	2A	39	71	.	N	5	8	7	9	9	79-455	
BAT 1131	G4792xG1466		4	32	2	39	83	.	N	8	5	5	3	8	79-456	
BAT 1132	G4792xG1466		4	32	2A	39	77	.	N	5	5	5	1	8	79-457	
BAT 1133	G4792xG1466		4	21	2A	40	83	.	N	4	8	7	5	8	79-458	
BAT 1134	G4792xG1466		7	21	VA	36	77	.	N	5	8	7	1	8	79-459	
BAT 1135	G4792xG1466		4	32	VA	39	77	.	N	6	8	5	3	8	79-460	
BAT 1136	G4792xG7136		6	32	2A	40	77	8	N	4	5	7	7	9	79-461	
BAT 1137	G4792xG7136		6	32	2	37	75	.	N	5	5	7	7	5	79-462	
BAT 1138	G4495xG7131		6	20	2	39	72	.	N	9	9	9	7	8	79-170	
BAT 1139	G4792xG4482		4	32	2	39	77	8	N	5	5	9	9	2	79-464	
BAT 1140	G4525xG4470		4	21	2	40	78	.	N	5	5	5	9	8	79-465	
BAT 1141	G4525xG4470		4	32	2	40	78	.	N	4	8	7	9	8	79-466	
BAT 1142	G4525xG4470		7	32	2	40	78	.	N	4	5	7	9	8	79-467	
BAT 1143	G4525xG4470		4	32	2	39	75	.	N	5	8	7	9	8	79-468	
BAT 1144	G4459xG4494		1	21	1	37	83	.	N	7	5	3	9	8	79-469	
BAT 1145	G4452xG3834		1	32	VA	39	88	2	N	4	8	7	9	8	79-470	
BAT 1146	G4452xG3834		7	32	VA	36	77	.	N	4	8	7	5	8	79-471	
BAT 1147	G4494xG3834		7M	42	1	35	12	.	N	9	9	7	9	8	79-172	82
BAT 1148	G4494xG3834		4	32	1	33	77	.	N	8	8	5	9	8	79-473	
BAT 1149	G4494xG3834		4	32	VA	36	75	.	N	5	8	7	7	8	79-474	
BAT 1150	G4494xG3834		7	32	2A	39	78	.	N	5	8	7	9	8	79-475	
BAT 1151	G4494xG3834		7	32	VA	34	78	.	N	4	8	9	9	8	79-476	
BAT 1152	G4494xG3834		7	32	2	40	83	.	N	4	8	5	9	8	79-477	
BAT 1153	G4493xG4452		4	32	1	36	78	.	N	7	5	7	7	8	79-478	
BAT 1154	G4493xG4494		4	32	2	36	78	.	N	5	8	5	5	9	79-479	
BAT 1155	G4792xG7131		6	20	2	39	75	5	N	9	9	9	5	5	79-171	80
BAT 1156	G76xG5704		3	42	1	36	77	.	N	6	8	7	5	9	79-481	
BAT 1157	G76xG3807		5	32	1	39	78	.	N	7	2	7	9	9	79-482	
BAT 1158	G76xG3807		5	42	1	35	75	.	N	6	5	5	9	8	79-483	
BAT 1159	G76xG4459		4	32	2	40	72	.	N	5	8	7	9	8	79-484	
BAT 1160	G4472xG4459		1	21	2A	40	83	.	N	5	5	9	9	8	79-485	
BAT 1161	G4044xG4830		4	32	2A	39	78	.	N	5	8	9	5	8	79-486	
BAT 1162	G4446xG4024		4	32	3B	42	78	.	N	4	5	7	7	8	79-487	
BAT 1163	G7603xG947		4	21	2A	39	71	1	N	3	2	7	9	8	79-488	
BAT 1164	G7603xG3128		4	21	2	40	78	.	N	4	8	5	9	8	79-489	
BAT 1165	G7603xG3128		4	32	2A	39	78	.	N	3	8	7	7	8	79-490	

Line	Cross	Cult. type	Seed			Days to					VEF				IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
BAT 1166	G7603xG3128		5	21	3A	42	78	.	N	3	8	7	9	8	79-491	
BAT 1167	G4024xG818		3	32	3B	42	78	.	N	3	8	7	9	9	79-492	
BAT 1168	G4024xG818		3	21	3B	42	78	.	N	4	8	9	7	8	79-493	
BAT 1169	G1320xG1093		4	32	3A	35	75	.	N	6	2	5	9	8	79-494	
BAT 1170	G4446xG3807		4	32	1	37	75	3	N	3	2	7	9	8	79-495	
BAT 1171	G4446xG3128		2	21	VA	39	78	.	N	4	5	7	5	8	79-496	
BAT 1172	G3807xG3128		4	21	2	40	78	.	N	4	5	9	5	8	79-497	
BAT 1173	G4790xG3988		6	21	2	39	77	.	N	4	8	7	3	8	79-498	
BAT 1174	G4790xG3988		4	32	3A	39	77	.	N	4	8	9	3	8	79-499	
BAT 1175	G5704xG3807		2	32	1	40	77	.	N	4	8	7	9	8	79-500	
BAT 1176	G1820xG1320		2	21	2	40	.	.	N	6	8	7	.	8	78-543	
BAT 1177	G4792xG5476	NEGRO	8	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1178	G302xG5478		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1179	G4122xG3804	NEGRO	8	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1180	G4122xG3988		6	21	2	42	.	3	N	9	9	7	1	7	80-173	79
BAT 1181	(G3664xG4215) x (G4525xG4485)	NEGRO	8	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1182	(G3664xG4215) x (G4525xG4485)	NEGRO	8	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1183	(G4122xG5054) x (G3627xG3834)	NEGRO	8	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1184	G4525xG4977	NEGRO	8	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1185	G4792xG4482		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1186	G4495xG5481		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1187	(G3974xG4493) x (G3709xG4489)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1188	(G4495xG5481) x (G3645xG5481)	NEGRO	8	.	.	.	.	3	N	.	.	.	.	.	.	.
BAT 1189	G1741xG5652	NEGRO OPACO	8	19	2	39	.	.	N	9	9	9	1	3	80-225	
BAT 1190	(G3974xG4489) x (G3353xG5481)		6J	17	3	40	.	.	N	8	5	7	1	7	80-226	
BAT 1191	G2146xG4465	NEGRO OPACO	8	18	2	42	.	.	N	7	3	7	1	7	80-227	82
BAT 1192	G4791xG5719		6	21	2	37	.	1	N	6	9	3	1	9	80-228	82
BAT 1193	G4470xG5719		1	18	1	38	.	.	N	9	5	7	1	7	80-229	
BAT 1194	G4791xG5749		6	19	2	41	.	.	N	9	9	7	1	7	80-230	
BAT 1195	G6615xG5694		7M	22	2	39	.	.	M	6	5	5	1	5	80-231	
BAT 1196	G4791xG5709		6	21	2	40	.	.	M	9	5	5	1	9	80-232	
BAT 1197	{ (G3645xG5478) x (G2056xG5479) } x { (...		6	18	2	43	.	.	N	7	9	9	1	9	80-233	
BAT 1198	G2146xG5481		1	16	3	39	.	1	N	8	7	7	1	7	80-234	81
BAT 1199	G5897xG1996		3J	18	3	42	.	.	N	9	.	7	.	5	80-235	
BAT 1200	G5897xG1996		3J	20	3	39	.	.	N	6	9	9	1	9	80-236	
BAT 1201	G5897xG1996		3J	21	3	38	.	.	N	9	7	9	1	9	80-237	
BAT 1202	G5897xG1996		3J	26	3	41	.	.	N	9	9	7	1	7	80-238	
BAT 1203	G5897xG3834		3J	25	3	39	.	5	N	9	5	7	5	1	80-239	
BAT 1204	G5897xG3834		3J	20	3	40	.	.	N	9	7	7	1	9	80-240	
BAT 1205	G4122xG4829		4	17	2	42	.	1	N	9	9	7	1	3	80-241	
BAT 1206	G3834xG4791		6	25	2	42	.	.	N	8	5	9	1	3	80-242	
BAT 1207	G406xG4792		5J	28	2	41	.	.	N	9	7	9	1	7	80-243	
BAT 1208	G4525xG4470		4M	24	1	38	.	.	N	9	3	9	1	7	80-244	
BAT 1209	G76xG4460		7M	36	1	34	.	.	N	9	7	7	1	3	80-245	80
BAT 1210	G4445xG1675		3	15	2	38	.	8	N	9	3	7	1	3	80-246	
BAT 1211	G4445xG1675		3	23	2	37	.	.	N	9	1	7	1	3	80-247	81
BAT 1212	G4494xG3657		4M	21	2	43	.	.	N	9	7	7	1	7	80-248	
BAT 1213	G4791xG3657		6	17	2	43	.	.	N	8	7	7	1	9	80-249	
BAT 1214	G4791xG3657		6	15	2	43	.	.	N	6	7	5	1	7	80-250	
BAT 1215	G4791xG3657		6	17	3	43	.	1	N	5	7	7	1	9	80-251	82
BAT 1216	G4791xG3657		6	16	2	43	.	.	N	7	5	7	1	9	80-252	
BAT 1217	G4791xG3657		6	19	2	43	.	1	N	7	5	7	1	9	80-253	82
BAT 1218	G7136xG3657		6	20	.	36	.	.	N	7	9	7	1	9	80-254	
BAT 1219	G7131xG5709		6	18	2	36	.	.	N	9	9	7	1	7	80-255	
BAT 1220	G7932xG4485		6	22	2	36	.	1	N	9	3	5	1	7	80-256	
BAT 1221	G7932xG4485		6	29	3	37	.	.	N	8	3	7	1	7	80-257	

Line	Cross	Cult. type	Seed			Days to								VBF Yr Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust
BAT 1222	G4494x(G76xG4494)		7M	29	1	33	.	4	N	9	9	5	1	5	80-258	80
BAT 1223	G4494x(G76xG7131)		3	29	1	33	.	.	N	9	9	7	1	5	80-259	
BAT 1224	G11486xDOR141		3R	22	2	40	.	1	N	6	7	7	1	9	80-260	
BAT 1225	G6616xSEL54		6J	29	2	39	.	1	N	8	5	7	1	9	80-261	
BAT 1226	G6616xSEL54		4J	23	2	35	.	.	N	9	.	7	1	9	80-262	
BAT 1227	G6616xSEL54		6J	23	2	36	.	1	N	7	5	7	1	9	80-263	
BAT 1228	G6616xSEL54		6J	24	2	39	.	.	N	8	.	9	.	7	80-264	
BAT 1229	G6616xG4485		6	21	2	35	.	.	N	8	5	7	1	9	80-265	
BAT 1230	G6616xG4485		6J	22	2	37	.	.	N	9	5	9	1	7	80-266	80
BAT 1231	G6616xG4485		6J	25	2	37	.	2	N	9	3	9	1	7	80-267	
BAT 1232	G6616xG4485		6J	27	2	35	.	2	N	7	7	7	1	7	80-268	
BAT 1233	G6616xG4485		6J	23	2	36	.	.	N	8	5	9	1	7	80-269	
BAT 1234	G6616xG4485		6J	22	2	40	.	3	N	8	5	9	1	7	80-270	
BAT 1235	G6616xG4485		6J	25	2	36	.	.	N	8	5	9	1	7	80-271	81
BAT 1236	G6616xG4485		5	18	2	35	.	.	N	7	3	7	1	9	80-272	
BAT 1237	G6616xG4485		6J	22	3	33	.	.	N	8	5	7	1	7	80-273	
BAT 1238	G6616xG4485		6J	23	2	37	.	.	N	7	5	7	1	9	80-274	
BAT 1239	G6616xG4485		6J	22	2	37	.	.	N	8	5	7	1	9	80-275	
BAT 1240	BAT755xSEL140		3M	23	1	36	.	.	N	9	9	7	1	9	80-276	
BAT 1241	BAT757xSEL70		3R	15	2	43	.	.	N	9	3	7	1	7	80-277	
BAT 1242	BAT757xBAT363		5	24		40	.	.	N	9	3	7	1	7	80-278	
BAT 1243	BAT757xBAT363		5	22	2	39	.	.	N	9	5	9	1	7	80-279	
BAT 1244	BAT757xBAT363		5	20	2	39	.	.	N	7	5	5	1	9	80-280	
BAT 1245	IN13xA21		6	19	2	39	.	.	N	7	9	7	1	7	80-281	
BAT 1246	IN13xA21		6	17	2	43	.	.	N	6	7	7	1	9	80-282	
BAT 1247	BAT47xSEL6		6	12	2	43	.	.	N	9	5	7	1	7	80-283	
BAT 1248	SEL71xBAT363		1	17	2	37	.	.	N	9	7	7	1	7	80-284	
BAT 1249	SEL126xG14013		7M	36	1	34	.	.	N	9	7	5	1	5	80-285	80
BAT 1250	SEL126xG14013		7M	37	1	33	.	.	N	9	7	5	1	5	80-286	80
BAT 1251	G6616x(G4523x(G4523xG76))		7M	34	1	33	.	.	N	9	9	5	1	5	80-287	80
BAT 1252	G5897xG4446		6	24	3	38	.	.	N	9	1	7	1	9	80-288	
BAT 1253	G4494xBAT950		7M	28	1	33	.	3	N	9	9	5	1	5	80-289	80
BAT 1254	G4494xBAT950		7M	32	1	34	.	.	N	9	9	5	1	5	80-290	80
BAT 1255	G4494xBAT950	CALIMA	7M	40	1	37	75	4	N	9	9	7	1	7	80-291	80
BAT 1256	G6615xBAT950	CALIMA	7M	38	1	35	74	6	N	9	7	7	1	5	80-292	80
BAT 1257	BAT338xSEL104		1	28	3	40	.	1	N	8	5	5	1	7	80-293	81
BAT 1258	G13922xBAT950		7M	33	1	34	.	.	N	9	5	5	1	5	80-294	80
BAT 1259	A25xBAT950		7M	24	2	39	.	.	N	8	5	7	1	9	80-295	
BAT 1260	A25xSEL91		3R	25	2	35	.	.	N	9	3	7	1	5	80-296	
BAT 1261	A25xBAT991		4M	20	1	39	.	.	N	9	5	9	1	9	80-297	
BAT 1262	BAT93xSEL72		2	20	2	40	.	.	N	9	9	7	1	7	80-298	
BAT 1263	BAT93xSEL100		2	25	1	37	.	.	N	9	3	7	1	7	80-299	
BAT 1264	BAT93xSEL103		4	24	3	39	.	.	N	6	1	5	1	5	80-300	
BAT 1265	BAT93xSEL103		2	22	2	39	.	1	N	9	3	7	1	7	80-301	
BAT 1266	BAT93xSEL103		2	22	2	39	.	.	N	9	1	3	1	5	80-302	
BAT 1267	BAT93xSEL110		5	20	2	43	.	.	N	8	3	7	1	7	80-303	
BAT 1268	BAT93xSEL110		4	17	2	40	.	.	N	9	.	3	1	7	80-304	
BAT 1269	BAT108xSEL103		5	22	2	42	.	.	N	6	5	5	1	7	80-305	
BAT 1270	BAT108xSEL103		2	22	2	39	.	1	N	5	5	5	1	7	80-306	
BAT 1271	BAT108xSEL111		2	19	2	37	.	.	N	7	5	7	1	7	80-307	
BAT 1272	G14013xSEL90		7M	33	1	36	.	.	N	9	5	3	1	5	80-308	82
BAT 1273	G14013xSEL90		7M	22	1	34	.	.	N	9	3	3	1	5	80-309	
BAT 1274	G14013xSEL106		7M	34	1	37	.	.	N	9	3	3	1	5	80-310	80
BAT 1275	G14013xSEL106		7M	33	1	37	.	.	N	9	3	5	1	5	80-311	81
BAT 1276	G14013xSEL106		7M	37	1	37	.	.	N	9	3	5	1	5	80-312	82
BAT 1277	BAT820xBAT482		1	17		37	.	.	N	8	7	7	1	7	80-313	

Line	Cross	Cult. type	Seed			Days to				BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Pot										
BAT 1278	BAT820xBAT482		1	15	2	39	.	.	N	9	9	7	1	7		80-314		
BAT 1279	BAT420xBAT419		4	19	2	38	.	.	N	9	7	7	1	7		80-315		
BAT 1280	BAT177xBAT482		1	24	3	39	.	5	N	9	5	7	1	5		80-316	81	
BAT 1281	BAT177xBAT482		1	21	3	36	.	.	N	8	5	7	1	3		80-317	81	
BAT 1282	BAT177xG6413		1	16	3	43	.	1	N	8	5	7	1	3		80-318		
BAT 1283	BAT881xBAT419		4J	18	2	36	.	.	N	7	7	7	1	9		80-319		
BAT 1284	BAT881xBAT93		5	19	2	37	.	.	N	8	.	5	1	7		80-320		
BAT 1285	BAT881xBAT93		2	18	2	37	.	.	N	9	9	7	1	9		80-321		
BAT 1286	BAT881xBAT93		4	17	2	37	.	.	N	8	9	7	1	7		80-322		
BAT 1287	BAT930xBAT482		1	14	3	39	.	.	N	8	3	5	1	7		80-323		
BAT 1288	BAT930xBAT740		6	17	3	38	.	.	N	7	7	7	1	9		80-324		
BAT 1289	BAT930xBAT740		6	21	3	38	.	3	N	8	9	7	1	3		80-325	81	
BAT 1290	G4454xG4494		6M	26	1	34	.	.	N	9	5	9	1	5		80-555		
BAT 1291	G4122xG4829		4	20	2	42	.	.	N	8	9	9	1	1		80-556		
BAT 1292	G4495xG4791		6	23	2	37	.	.	N	9	5	9	1	7		80-557		
BAT 1293	G3645xG2056		6	18	2	42	75	.	N	.	8	8	1	9		81-165	81	
BAT 1295	G6616xSEL54		6J	22	2	39	72	.	N	.	7	7	3	9		81-386		
BAT 1296	G6616xSEL54		6	23	2	43	74	.	N	.	7	9	6	9		81-387	80	
BAT 1297	G6616xSEL54		6	22		40	73	1	N	7	7	9	6	9		81-12	81	
BAT 1298	G6616xG4485		5	21	2	42	74	3	N	.	7	8	2	9		81-166	83	
BAT 1299	G5481xG4473		3R	24	1	44	77	.	N	.	5	7	1	7		81-389		
BAT 1300	G4495xG4791								N									
BAT 1301	BAT883x(G6616xSEL108)		7M	24	2	42	79	1	N	.	5	7	4	7		81-390		
BAT 1302	A21xBAT41		6	16	3	40	71	.	N	.	8	8	3	9		81-167		
BAT 1303	G11499x(G6401xSEL143)								N									
BAT 1304	G11499x(G6401xSEL143)								N									
BAT 1305	G11499x(G6401xSEL143)								N									
BAT 1306	G6401x(G5704xSEL103)								N									
BAT 1307	G6401x(G5704xSEL103)		3J	22	3	42	77	.	N	.	7	9	5	7		81-533		
BAT 1308	G6401x(G5704xSEL103)		2	22	2	41	78	3	N	.	8	9	1	7		81-534		
BAT 1309	G6402xG13922								N									
BAT 1310	BAT789xBAT897		6	17	3	41	73	.	N	.	8	8	3	9		81-168		
BAT 1311	BAT972xBAT1155		6	18	3	43	75	4	N	.	7	8	4	7		81-169	83	
BAT 1312	A25xG76		5	24	2	39	76	.	N	.	5	8	3	5		81-170		
BAT 1313	A25xG76								N									
BAT 1314	G14013xBAT916		6M	26	1,2	39	76	.	N	.	8	7	1	7		81-391		
BAT 1315	G14013xBAT916		4	24	1	40	76	.	N	.	6	8	3	5		81-535		
BAT 1316	G14013xBAT93								N									
BAT 1317	G14013xBAT93								N									
BAT 1318	G14013xBAT93		3	20	1	38	73	8	N	.	7	7	3	3		81-536		
BAT 1319	G14013xG5361		6	41	1	38	73	.	N	6	8	9	5	7		81-392		
BAT 1320	BAT883xBAT47		8	17	2	44	78	1	N	.	7	8	2	7		81-86		
BAT 1321	BAT883xG5707		2J	16	1	43	78	3	N	.	8	8	1	7		81-537		
BAT 1322	BAT883xG5707		2J	21	1	44	82	2	N	.	8	8	1	7		81-538		
BAT 1323	BAT883xG5707		3J	19	1	43	78	1	N	.	7	8	2	3		81-539		
BAT 1324	BAT883xG5707		2J	22	2	46	80	.	N	.	7	8	2	3		81-540		
BAT 1325	BAT883xG5707		3	16	2	44	80	3	N	.	7	9	2	7		81-541		
BAT 1326	BAT883xG5707		3	20	1	41	80	1	N	.	8	8	1	5		81-542		
BAT 1327	G6402xG4473								N									
BAT 1328	G6402xG4473								N									
BAT 1329	G6402xG4473								N									
BAT 1330	BAT280xG11499								N									
BAT 1331	BAT280xG11499		3	21	3,2	38	76	.	N	.	8	9	2	3		81-543		
BAT 1332	BAT1179xBAT972		6	20	3	39	77	3	N	.	5	6	4	9		81-171		
BAT 1333	BAT1179xBAT972		6	20	3	41	77	4	N	.	7	8	5	3		81-172		
BAT 1334	BAT896xBAT41		6	17	3	40	72	.	N	.	8	7	4	5		81-173		

BAT 1297
NEGRO OPACO

Line	Cross	Cult. type	Seed			Days to				VEF	IB					
			col.	Wt	Hab	Fl	Mt	Fot	BCMV			Emp	Ant	CBB	ALS	Rust	Yr	Ent
BAT 1335	BAT896xBAT41		6	17	3	42	71	.	N	.	8	8	8	5	81-174	
BAT 1336	BAT1102xDOR73		6	16	3	44	78	4	N	.	6	5	8	3	81-175	83
BAT 1337	BAT1102xDOR73		6	19	3	41	79	4	N	.	7	8	8	3	81-176	
BAT 1338	BAT1102xBAT1040		6	24	3	43	78	.	N	.	8	7	3	5	81-177	
BAT 1339	BAT1102xBAT1040		6	18	2	41	77	1	N	.	8	6	3	5	81-178	
BAT 1340	BAT1102xBAT896								N	.						
BAT 1341	BAT1102xBAT896		6	19	2	41	76	.	N	.	7	8	7	7	81-179	
BAT 1342	G11891x(G4472x(G6401xG1540))								N	.						
BAT 1343	G11891x(G4472x(G6401xG1540))								N	.						
BAT 1344	G11891x(G4472x(G6401xG1540))		4	30	3	45	82	3	N	.	9	8	2	3	81-544	
BAT 1345	(G11891xSEL125)xSEL108	FRIJOLICA P11	6M	33	1	41	77	8	N	.	3	7	6	5	81-393	
BAT 1346	G14013x(G14013x(G4494x(G76x...								N	.						
BAT 1347	BAT883x(G6616xSEL108)		4	20	1	44	76	.	N	.	7	8	2	9	81-822	
BAT 1348	G4482x(G4482x(G4523x(G4791x(...								N	.						
BAT 1349	BAT805xBAT897								N	.						
BAT 1350	SEL8xDOR73		6	18	2	43	75	.	N	.	3	5	3	7	81-180	
BAT 1351	SEL8xDOR73		6	16	2	41	76	.	N	.	7	6	3	9	81-181	
BAT 1352	BAT897xBAT1155								N	.						
BAT 1353	BAT897xBAT1155		6	16	2	42	74	.	N	.	8	7	3	5	81-182	
BAT 1354	BAT883xBAT332		3	17	2	42	78	.	N	.	7	9	3	3	81-823	
BAT 1355	G6616x(G4523x(G4523xG76))								N	.						
BAT 1356	G4831xG4485		6M	20	1	42	76	.	N	.	6	9	1	7	81-394	
BAT 1357	G4454xG4494		6	19	3	38	78	.	N	.	3	8	4	7	81-183	
BAT 1358	G4452xG5709		6	17	3	42	75	.	N	.	5	8	8	7	81-184	
BAT 1359	G4452xG5709		6	18	2	41	71	.	N	.	7	8	8	7	81-185	
BAT 1360	G406xG4792	ESTRADA	5R	31	2	42	71	1	N	.	7	9	1	9	81-395	
BAT 1361	G4493xG4791		6	20	2	41	77	.	N	.	8	8	7	9	81-186	
BAT 1362	G76xG5704	DARK RED KIDNEY	5	42	1	36	72	4	N	.	8	9	2	7	81-396	
BAT 1363	G4473xG617		2	35	1	37	76	.	N	.	8	7	2	5	81-545	
BAT 1364	G4473xG617		2	39	1	37	76	5	N	.	8	8	5	5	81-546	
BAT 1365	G4494xBAT950	MWEZI MOJA	7M	40	1	38	68	5	N	.	8	7	1	5	81-397	
BAT 1366	G4494xBAT950	GUALI	7M	33	1	36	71	4	N	.	7	7	2	5	81-398	
BAT 1367	G4494xBAT950	GUALI	7M	36	1	36	69	4	N	.	8	7	1	5	81-399	83
BAT 1368	G4494xBAT950	GUALI	7M	41	1	38	73	5	N	.	7	9	2	5	81-400	
BAT 1369	G4494xBAT950	GUALI	7M	33	1	37	71	4	N	.	8	7	2	3	81-401	
BAT 1370	G4494xBAT950	MWEZI MOJA	7M	35	1	36	68	5	N	.	8	7	1	5	81-402	
BAT 1371	G5704xSEL125	GREAT NORTHERN	1	33	1	40	74	1	N	.	7	8	2	3	81-531	
BAT 1372	G14013xSEL72	MULATINHO	3	44	1	37	73	4	N	.	5	6	1	5	81-842	83
BAT 1373	G14013xSEL72		3	44	1	38	74	4	N	.	6	8	2	3	81-547	
BAT 1374	G6616xG4485	MEXICO 80	6	24	2	39	73	2	N	.	8	8	4	9	81-187	83
BAT 1375	G6616xG4485	MEXICO 80	6	22	2	41	76	1	N	.	8	8	3	9	81-188	83
BAT 1376	G6616xG4485	MEXICO 80	6	24	2	41	76	1	N	.	7	8	1	9	81-189	83
BAT 1377	BAT757xBAT363	MWEZI MOJA	7M	21	3	42	72	.	N	.	4	9	8	7	81-403	
BAT 1378	IN13xA21		6	19	2	42	74	.	N	.	7	8	8	9	81-190	
BAT 1379	SEL6xA21		6	22	2	42	76	.	N	.	7	8	2	5	81-191	
BAT 1380	SEL126xG14013		7M	31	1	37	68	.	N	.	7	9	3	5	81-404	
BAT 1381	SEL126xG14013		7M	32	1	37	68	.	N	.	8	9	1	7	81-405	
BAT 1382	SEL126xG14013		7M	31	1	39	71	.	N	.	8	9	1	5	81-406	
BAT 1383	SEL126xG14013		7M	39	1	36	68	.	N	.	8	9	1	7	81-407	
BAT 1384	SEL126xG14013		7M	35	1	39	73	.	N	.	8	9	1	7	81-408	
BAT 1385	SEL126xG14013	POMPADOUR	7M	36	1	38	76	8	N	.	3	7	4	5	81-409	
BAT 1386	G6616x(G4523x(G4523xG76))		7M	36	1	37	75	5	N	.	3	8	1	5	81-410	83
BAT 1387	G6616x(G4523x(G4523xG76))	NIMA	6M	32	1	37	73	4	N	.	3	9	7	3	81-411	83
BAT 1388	G6616x(G76x(G4523xG1540))		3	45	1	36	64	1	N	.	7	9	2	3	81-548	
BAT 1389	G14013x(G4494x(G76xG1540))		7M	31	1	36	73	.	N	.	5	7	5	5	81-412	
BAT 1390	G14013x(G4494x(G76xG1540))		7M	32	1	36	75	.	N	.	7	7	3	5	81-413	

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV								
BAT 1391	G14013x(G4494x(G76xG1540))		7M	31	1	38	75	.	N	.	7	9	3	3	81-414		
BAT 1392	G14013x(G4494x(G76xG1540))	LIGHT RED KIDNEY	5	45	1	36	76	3	N	.	8	7	3	5	81-415		
BAT 1393	G14013x(G4494x(G76xG1540))		3	36	1	36	71	3	N	.	7	8	2	5	81-549		
BAT 1394	G14013x(G4494x(G76xG1540))		7M	33	1	36	76	.	N	.	8	9	1	3	81-416		
BAT 1395	G14013x(G4494x(G76xG1540))		7M	33	1	36	76	.	N	.	8	7	2	3	81-417		
BAT 1396	G14013x(G4494x(G76xG1540))		7M	32	1	36	74	.	N	.	7	9	2	5	81-418		
BAT 1397	G14013x(G4494x(G76xG1540))		7M	32	1	36	74	.	N	.	8	9	2	3	81-419		
BAT 1398	G14013x(G4494x(G76xG1540))		7M	32	1	36	75	.	N	.	8	9	1	3	81-420		
BAT 1399	G14013x(G4494x(G76xG1540))		3	35	1	37	74	.	N	.	8	8	2	3	81-550		
BAT 1400	G14013x(G4494x(G76xG1540))		3	37	1,2	36	73	5	N	.	8	7	2	3	81-551		
BAT 1401	G14013xSEL141		7M	42	1	37	76	.	N	.	8	8	1	3	81-421		
BAT 1402	G14013xSEL141		7M	44	1	36	76	.	N	.	8	7	1	3	81-422		
BAT 1403	G14013xSEL123		7M	44	1	36	68	.	N	.	9	8	2	5	81-423		
BAT 1404	G14013xSEL122	GUALI	7M	44	1	37	72	.	N	6	3	7	6	5	81-424		
BAT 1405	G14013xSEL122		6M	37	1	38	73	.	N	.	2	7	1	7	81-425		
BAT 1406	G6615xBAT950		7M	36	1	39	76	.	N	.	7	7	1	7	81-426		
BAT 1407	G6615xBAT950	CALIMA	6M	34	1	36	75	5	N	.	8	7	1	5	81-427		
BAT 1408	BAT160xSEL98		3	27	2	42	75	.	N	.	7	8	2	7	81-552		
BAT 1409	BAT338xBAT991		1	17	3	42	77	.	N	.	5	2	6	7	81-485		
BAT 1410	BAT338xBAT991		1	16	2	40	76	.	N	.	7	5	4	7	81-486		
BAT 1411	G13922xBAT950		7M	36	1	37	71	.	N	.	7	7	3	7	81-428		
BAT 1412	G13922xBAT950	CALIMA	7M	37	1	37	71	8	N	.	8	8	4	3	81-429		
BAT 1413	A25xBAT950	MWEZI MOJA	7M	23	2	41	73	4	N	.	7	8	2	9	81-430		
BAT 1414	A25xBAT950		6M	27	1	38	76	.	N	.	4	8	2	7	81-431		
BAT 1415	BAT93xSEL72		2	21	3	38	71	.	N	.	2	7	5	3	81-553		
BAT 1416	BAT93xSEL72		2	22	1,2	42	71	.	N	.	2	7	4	3	81-554		
BAT 1417	BAT93xSEL100	BAYO ANDINO	2	29	1	41	77	4	N	.	1	7	5	3	81-555		
BAT 1418	BAT93xSEL100		2	19	1	43	72	.	N	.	2	6	7	5	81-556		
BAT 1419	BAT93xSEL100		2	28	1	40	76	.	N	.	2	7	5	5	81-557		
BAT 1420	BAT93xSEL109		6	20	2	41	76	.	N	.	7	7	5	3	81-192		
BAT 1421	BAT108xSEL103		7M	18	1	40	76	.	N	.	7	7	1	7	81-432		
BAT 1422	BAT108xSEL103		2	22	2	42	78	.	N	.	2	6	4	9	81-558		
BAT 1423	BAT108xSEL103		2	22	3	43	78	.	N	.	3	7	5	7	81-559		
BAT 1424	BAT108xSEL103		2	25	3	46	78	.	N	.	2	6	5	7	81-560		
BAT 1425	BAT108xSEL103	BAYO ANDINO	2	23	2	42	76	1	N	.	3	6	5	3	81-561		
BAT 1426	G5066xSEL144	ESTRADA	5R	35	1	37	74	4	N	.	1	8	1	3	81-433		
BAT 1427	G5066xSEL144		5M	34	1	38	74	.	N	.	1	8	1	3	81-434		
BAT 1428	G5066xSEL144		6M	35	1	38	74	.	N	.	2	9	3	3	81-435		
BAT 1429	G5066xSEL144		6M	33	1	37	71	3	N	.	8	8	1	7	81-436		
BAT 1430	G5066xBAT1033		5R	39	1	38	73	.	N	.	2	9	1	5	81-437		
BAT 1431	BAT177xBAT482		1	18	3	41	75	.	N	.	7	6	5	7	81-487		
BAT 1432	BAT881xBAT338	NEGRO OPACO	8	17	2	42	76	1	N	.	7	8	2	3	81-87	83	
BAT 1433	BAT881xBAT338	NEGRO OPACO	8	16	2	41	76	.	N	.	7	7	5	3	81-88		
BAT 1434	BAT881xBAT93		5	19	2	43	76	1	N	.	2	7	3	7	81-824		
BAT 1435	BAT881xBAT93		2	22	2	41	77	.	N	.	1	8	3	3	81-562		
BAT 1436	BAT881xBAT93		2	21	2	43	77	.	N	.	1	8	3	3	81-563		
BAT 1437	BAT930xBAT482		6	20	3	37	74	.	N	.	6	8	3	3	81-193		
BAT 1438	BAT930xBAT482		6	23	3	38	73	.	N	.	5	8	4	5	81-194		
BAT 1439	BAT93xG11899		6	14	3	41	76	.	N	.	8	6	5	7	81-195		
BAT 1440	BAT821x(G3913x(G3645x(G5709x...		6	14	2	44	74	.	N	.	7	8	7	9	81-196		
BAT 1441	BAT863x(G7932x(G4791x(G4791x...		6	14	3	38	75	.	N	.	8	8	3	5	81-197		
BAT 1442	BAT863x(G4791x(G4791x(G4791x...		6	19	3	40	74	.	N	.	8	8	7	5	81-198		
BAT 1443	BAT863x(G4791x(G4791x(G4791x...		6	19	2	41	74	.	N	.	9	8	3	5	81-199		
BAT 1444	BAT883x(G6616xSEL108)		6M	28	2	42	74	.	N	.	8	8	1	7	81-438		
BAT 1445	BAT883x(G6616xSEL108)		3	23	2	45	77	.	N	.	7	8	2	7	81-825		
BAT 1446	BAT93x(G4791x(G4791x(G4791x...		6	22	3	41	76	.	N	.	2	8	2	5	81-200		

Line	Cross	Cult. type	Seed			Days to					Rust	Yr	VEP Ent	IB YAN		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp					Ant	CBB	ALS
BAT 1447	BAT93x(G4791x(G4791x(G4791x...		6	21	3	41	77	4	N	.	3	7	1	3	81-201	
BAT 1448	BAT93x(G4791x(G4791x(G4791x...		6	22	3	41	77	.	N	.	5	5	2	5	81-202	
BAT 1449	BAT93x(G4523x(G4791x(G4791x...		6	18	2	41	76	4	N	.	2	5	1	5	81-203	83
BAT 1450	BAT93x(G4523x(G4791x(G4791x...		6	18	3	39	71	.	N	.	2	5	1	5	81-204	
BAT 1451	BAT93x(G4523x(G4791x(G4791x...		6	17	3	42	73	.	N	.	2	5	3	5	81-205	
BAT 1452	BAT93x(G4523x(G4791x(G4791x...		6	19	3	42	74	.	N	.	2	5	3	5	81-206	
BAT 1453	BAT93x(G4523x(G4791x(G4791x...		1	20	3	40	75	4	N	.	3	6	5	7	81-488	82
BAT 1454	BAT93x(G4523x(G4791x(G4791x...		6	22	2	42	75	.	N	.	6	6	3	9	81-207	
BAT 1455	BAT93x(G4523xSEL122)		2	24	2	42	77	.	N	.	7	8	1	9	81-564	
BAT 1456	BAT93x(G4523xSEL122)	BAYO ANDINO	2	22	2	42	76	3	N	.	4	8	3	3	81-565	
BAT 1457	BAT93x(G4523xSEL122)		2	19	2	42	76	.	N	.	2	9	6	3	81-566	
BAT 1458	BAT93x(G4482x(G3627x(G5709x...	ROSIHA	5	21	2	41	76	1	N	.	3	7	5	3	81-826	
BAT 1459	BAT93x(G4482x(G3627x(G5709x...		2	19	2	41	76	.	N	.	5	8	3	5	81-567	
BAT 1460	BAT93x(G4482x(G3627x(G5709x...		2	20	2	42	77	.	N	.	4	8	4	5	81-568	
BAT 1461	BAT93x(G6401xSEL143)		2	21	2	43	76	.	N	.	7	7	4	7	81-569	
BAT 1462	G14013x(G4523xSEL123)		7M	37	1	40	75	.	N	.	3	6	2	3	81-439	
BAT 1463	G4825x(G6039x(G4456xG6039))		2	20	2	44	75	.	N	.	4	8	3	7	81-570	
BAT 1464	G13922x(G6616xSEL126)	FRIJOLICA P11	6M	33	1	37	68	.	N	.	2	7	5	3	81-440	
BAT 1465	BAT815xBAT338		1	18	3	43	78	.	N	.	6	8	5	3	81-489	
BAT 1466	BAT820xBAT338	NEGRO OPACO	8	17	3	47	79	.	N	.	7	7	5	3	81-89	
BAT 1467	BAT820xBAT338	NEGRO SEMIBRILLA	8	17	3	44	78	1	N	.	6	8	3	3	81-90	83
BAT 1468	BAT820xBAT338		1	14	2	44	77	.	N	.	7	9	3	3	81-490	
BAT 1469	BAT820xBAT338	NAVY	1	16	3	43	76	1	N	.	7	8	4	3	81-491	82
BAT 1470	BAT820xBAT338	NEGRO SEMIBRILLA	8	18	2	43	77	3	N	.	6	7	3	3	81-91	
BAT 1471	BAT816xG11509	MULATINHO	3	20	2	43	77	3	N	.	3	8	6	5	81-827	
BAT 1472	BAT825xBAT47		6	19	2	42	78	.	N	.	7	9	2	9	81-208	
BAT 1473	BAT825xDOR73		6	19	2	43	77	.	N	.	6	8	3	7	81-209	
BAT 1474	BAT825xDOR73		6	19	2	41	76	1	N	.	7	8	3	7	81-210	
BAT 1475	BAT825xDOR73		6	23	3	42	77	.	N	.	7	8	3	7	81-211	
BAT 1476	BAT825xDOR73		6	18	2	41	77	.	N	.	7	8	3	9	81-212	
BAT 1477	BAT825xBAT30		6	18	2	47	79	.	N	.	7	8	2	7	81-213	
BAT 1478	BAT825xBAT30		6	20	2	43	78	.	N	.	4	8	2	9	81-214	
BAT 1479	BAT825xBAT30		6	19	2	49	80	.	N	.	6	8	6	7	81-215	
BAT 1480	BAT887xBAT41		6	17	3	42	74	.	N	.	7	8	2	7	81-216	
BAT 1481	BAT805xBAT338	NEGRO BRILLANTE	8	19	2	42	79	1	N	.	6	7	3	3	81-92	83
BAT 1482	BAT805xBAT338		1	17	3	43	77	.	N	.	7	8	3	3	81-492	
BAT 1483	BAT805xBAT76	NEGRO BRILLANTE	8	18	2	44	77	.	N	.	8	8	3	3	81-93	
BAT 1484	BAT805xBAT76	NEGRO OPACO	8	25	2	42	76	.	N	.	8	8	3	3	81-94	
BAT 1485	BAT805xDOR73		6	19	2	43	74	.	N	.	5	8	3	9	81-217	
BAT 1486	BAT805xDOR73		6	16	2	42	75	.	N	.	5	8	4	9	81-218	
BAT 1487	BAT805xDOR73		6	15	2	43	75	.	N	.	5	8	3	7	81-219	
BAT 1488	BAT805xDOR73		6	17	2	43	75	.	N	.	7	7	4	7	81-220	
BAT 1489	BAT805xDOR73		6	17	2	46	78	2	N	.	4	6	5	5	81-221	
BAT 1490	G3597xG11890		3	27	2	42	78	.	N	.	3	7	3	5	81-828	
BAT 1491	BAT40xBAT93		6	19	2	42	76	.	N	.	5	8	2	3	81-222	
BAT 1492	BAT40xBAT93		6	17	2	42	73	.	N	.	3	8	3	5	81-223	
BAT 1493	BAT40xBAT93		6	19	2	41	73	4	N	.	2	8	4	5	81-224	83
BAT 1494	BAT40xBAT1102		6	15	3, 2	42	74	.	N	.	6	8	5	3	81-225	
BAT 1495	DOR73xBAT41		6	15	2, 3	41	73	.	N	.	7	8	3	7	81-226	
BAT 1496	DOR73xBAT41		6	17	3	41	73	.	N	.	7	8	3	7	81-227	
BAT 1497	BAT39xBAT41		6	17	3	42	73	.	N	.	7	8	3	5	81-228	
BAT 1498	BAT39xBAT41		6	18	3	39	72	.	N	.	8	8	3	7	81-229	
BAT 1499	BAT39xBAT97		6	19	3	40	74	.	N	.	3	5	3	7	81-230	
BAT 1500	BAT39xBAT97		6	19	3	43	77	4	N	.	2	4	4	9	81-231	83
BAT 1501	BAT41xBAT93		6	19	3	38	73	2	N	.	8	4	3	5	81-232	
BAT 1502	BAT41xBAT93		6	20	3	39	73	.	N	.	8	8	4	5	81-233	

Line	Cross	Cult. type	Seed			Days to							Yr	VRF Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	ECMV	Emp	Ant	CBB				ALS	Rust
BAT 1503	BAT41xBAT93		6	21	3	38	74	.	N	.	8	6	4	5	81-234	
BAT 1504	BAT44xBAT859		6	17	3	39	76	.	N	.	8	6	7	7	81-235	
BAT 1505	BAT47xBAT697		6	16	3	43	79	.	N	.	7	6	6	3	81-236	
BAT 1506	BAT47xBAT789		7	17	3	43	77	.	N	.	8	5	4	5	81-237	
BAT 1507	BAT47xBAT789		6	19	3,2	42	72	.	N	.	8	4	2	5	81-238	
BAT 1508	BAT47xBAT789		6	16	3	39	71	.	N	.	8	4	3	5	81-239	
BAT 1509	BAT47xBAT789		6	15	3	42	77	.	N	.	9	7	8	7	81-240	
BAT 1510	BAT93xBAT821		7	26	2	42	76	5	N	.	4	8	4	7	81-829	
BAT 1511	BAT93xBAT821		7	20	2	43	76	.	N	.	4	7	7	9	81-830	
BAT 1512	BAT93xBAT821		7	21	2	41	76	.	N	.	7	8	5	9	81-831	
BAT 1513	BAT93xBAT859		6	15	2	41	78	.	N	.	2	8	4	9	81-241	
BAT 1514	BAT93xBAT1155		6	20	2	39	74	1	N	.	4	5	4	3	81-242	83
BAT 1515	BAT93xBAT1155		6	19	3	41	74	.	N	.	7	8	3	5	81-243	
BAT 1516	BAT93xBAT1155		6	18	2,3	41	74	3	N	.	3	8	6	3	81-244	83
BAT 1517	BAT93xBAT1155		6	17	2	42	77	.	N	.	3	9	3	7	81-245	
BAT 1518	BAT789x(G4494x(G76xG7131))		6	18	2	42	75	.	N	.	8	8	3	5	81-246	
BAT 1519	BAT789x(G4494x(G76xG7131))		6	18	2	42	76	.	N	.	8	8	3	5	81-247	
BAT 1520	BAT789x(G4494x(G76xG7131))		6	18	2,3	43	75	.	N	.	7	8	3	5	81-248	
BAT 1521	BAT789x(G4494x(G76xG7131))		6	18	2,3	42	76	.	N	.	7	8	2	7	81-249	
BAT 1522	BAT789xBAT1155		6	18	2	41	75	.	N	.	8	8	2	5	81-250	
BAT 1523	BAT789xBAT1155		6	16	2	42	71	.	N	.	7	8	3	7	81-251	
BAT 1524	BAT789xBAT1155		6	19	2	43	74	.	N	.	7	8	3	5	81-252	
BAT 1525	BAT789xBAT1155		6	16	2	42	72	.	N	.	7	8	3	7	81-253	
BAT 1526	BAT821xBAT1155		6	18	3	42	75	1	N	.	9	6	3	5	81-254	83
BAT 1527	BAT972xA21		6	20	3	42	74	.	N	.	6	8	3	3	81-255	
BAT 1528	BAT972xBAT1040		6	20	3	39	76	.	N	.	7	7	3	7	81-256	
BAT 1529	BAT972xBAT1040		6	16	3	43	77	.	N	.	7	6	3	9	81-257	
BAT 1530	BAT972xBAT1040		6	16	2	42	76	.	N	.	7	5	2	5	81-258	
BAT 1531	BAT972xBAT1155		6	15	2	42	77	.	N	.	7	7	2	5	81-259	
BAT 1532	BAT972xBAT1155		6	18	2	40	75	4	N	.	8	6	1	3	81-260	83
BAT 1533	BAT972xBAT1155		6	18	3	43	77	.	N	.	7	8	3	5	81-261	
BAT 1534	BAT972xBAT1155		6	19	3	42	76	.	N	.	7	8	3	3	81-262	
BAT 1535	BAT419xBAT887		6J	17	2	41	74	.	N	.	7	9	1	9	81-441	
BAT 1536	BAT419xBAT887		6J	16	2	40	76	.	N	.	8	9	3	7	81-442	
BAT 1537	BAT419xBAT887		6J	14	2	43	76	.	N	.	7	9	4	5	81-443	
BAT 1538	BAT419xBAT887		6J	16	2	41	76	.	N	.	7	9	3	7	81-444	
BAT 1539	BAT674xBAT755		7M	20	1	38	74	.	N	.	8	9	1	7	81-445	
BAT 1540	A25xG76		3	30	2	40	77	1	N	.	5	7	5	5	81-571	
BAT 1541	IN27xBAT338		1	20	1	42	76	.	N	.	8	8	2	5	81-532	
BAT 1542	G14013xBAT916		2	26	1	41	77	.	N	.	2	6	3	3	81-572	
BAT 1543	G14013xBAT916		2	27	2	42	77	.	N	.	1	7	3	3	81-573	
BAT 1544	BAT820xBAT93	BAYO ANDINO	2	19	3	46	83	4	N	.	2	8	4	3	81-574	
BAT 1545	BAT820xBAT93		2	20	3,2	48	80	.	N	.	2	8	5	7	81-575	
BAT 1546	BAT820xBAT93		2	21	2	48	80	.	N	.	2	7	3	7	81-576	
BAT 1547	BAT93xBAT76		5	22	2	42	76	.	N	.	7	9	2	3	81-832	
BAT 1548	BAT93xBAT76		3	23	2	43	74	.	N	.	6	8	2	5	81-833	
BAT 1549	BAT93xBAT76	NEGRO BRILLANTE	8	18	2	47	79	4	N	.	6	8	5	3	81-95	
BAT 1550	BAT93xBAT76		3	21	2	43	76	3	N	.	6	8	3	3	81-834	
BAT 1551	BAT93xBAT76		5	21	2	43	77	.	N	.	7	7	3	3	81-835	
BAT 1552	BAT883xBAT332	NEGRO OPACO	8	18	2	44	78	.	N	.	7	8	5	3	81-96	
BAT 1553	BAT883xBAT332	NEGRO OPACO	8	16	2	42	78	4	N	.	7	8	5	3	81-97	
BAT 1554	BAT883xBAT332	NEGRO OPACO	8	17	2	44	78	1	N	.	7	8	3	3	81-98	83
BAT 1555	BAT883xG5707		2	.	1	.	.	3	N	.	8	8	3	5	81-577	
BAT 1556	BAT883xG5707		2	.	1	.	.	.	N	.	7	7	2	5	81-578	
BAT 1557	BAT883xG5707		2	22	1	42	78	.	N	.	7	9	1	7	81-579	
BAT 1558	G6402xG4473		3	26	1	41	77	4	N	.	8	9	1	7	81-580	

Line	Cross	Cult. type	Seed			Days to							VEF	IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Kmp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
BAT 1559	G7951xBAT1040		6	18	2	42	75	.	N	.	8	8	7	7	81	263	
BAT 1560	G4822xDOR15		3	21	3	43	75	.	N	.	7	8	3	7	81	-836	
BAT 1561	BAT76xG8066	NEGRO OPACO	8	19	2	41	77	.	N	.	8	8	2	3	81	-99	
BAT 1562	BAT76xG8066	NEGRO OPACO	8	19	2	44	77	.	N	.	8	8	5	3	81	-100	
BAT 1563	BAT76xG8066	NEGRO OPACO	8	17	2	43	78	1	N	.	6	8	3	3	81	-101	
BAT 1564	BAT1179xBAT897		6	18	2	42	78	.	N	.	7	8	6	7	81	-264	
BAT 1565	BAT896xBAT41		6	22	2	42	74	.	N	.	8	8	3	9	81	-265	
BAT 1566	BAT896xBAT41		6	16	2,3	43	76	.	N	.	8	8	3	5	81	-266	
BAT 1567	BAT896xBAT41		6	18	2	40	71	.	N	.	8	8	5	7	81	-267	
BAT 1568	BAT896xBAT93		6	18	2	41	74	.	N	.	3	6	3	9	81	-268	
BAT 1569	BAT896xBAT93		6	16	2	43	76	.	N	.	5	8	5	9	81	-269	
BAT 1570	BAT896xBAT93		6	20	2	42	78	1	N	.	2	6	4	9	81	-270	83
BAT 1571	BAT896xBAT972		6	18	3	42	78	.	N	.	5	8	3	3	81	-271	
BAT 1572	BAT896xBAT1040		6	17	3	43	78	1	N	.	8	6	5	3	81	-272	83
BAT 1573	BAT896xBAT1040		6	22	3	41	77	1	N	.	8	7	3	3	81	-273	
BAT 1574	BAT896xBAT76		6	18	2	43	78	.	N	.	7	6	6	5	81	-274	
BAT 1575	BAT1102xBAT897		6	17	2	41	78	.	N	.	7	7	5	5	81	-275	
BAT 1576	BAT1102xBAT1040		6	23	3	43	78	4	N	.	7	8	2	7	81	-276	
BAT 1577	BAT1102xBAT896		6	18	3	41	77	1	N	.	6	7	6	3	81	-277	83
BAT 1578	BAT1102xBAT896		6	19	2	41	78	.	N	.	7	6	5		81	-278	
BAT 1579	BAT1225xBAT896	POMPADOUR	6J	21	2	.	76	1	N	.	8	8	3	7	81	-1102	
BAT 1580	(G11891xSEL125)xSEL108	FRIJOLICA P11	6M	38	1	41	76	.	N	.	3	9	3	3	81	-446	
BAT 1581	(G11891xSEL125)xSEL108		6M	40	1,2	41	76	.	N	.	3	9	1	3	81	-447	
BAT 1582	(G11891xSEL125)xSEL108	FRIJOLICA P11	6M	40	1	40	76	.	N	.	3	7	3	3	81	-448	
BAT 1583	(G11891xSEL125)xSEL108		6M	34	1	40	76	.	N	.	2	8	1	3	81	-449	
BAT 1584	G4523x(G4523xSEL144)		3	40	1	42	79	8	N	.	8	8	2	3	81	-581	
BAT 1585	G4494x(G4523x(G4523xG76))		3	45	1	38	77	5	N	.	7	8	2	5	81	-582	
BAT 1586	G4494x(G4494xSEL144)		3	47	1	38	71	5	N	.	8	8	1	3	81	-583	
BAT 1587	G4494x(G4494xSEL144)	DARK RED KIDNEY	5	41	1	38	72	5	N	.	7	9	1	3	81	-450	
BAT 1588	G14013x(G14013x(G4523x...		6M	33	1	39	76	.	N	.	8	9	2	3	81	-451	
BAT 1589	G14013x(G14013x(G4494x(G76x...		6M	32	1	41	76	.	N	.	7	9	3	3	81	-452	
BAT 1590	BAT419x(BAT930xBAT740)		6	21	2	39	76	.	N	.	8	7	2	7	81	-279	
BAT 1591	BAT882xBAT338	GREAT NORTHERN	1	15	3	43	77	1	N	.	7	8	5	3	81	-493	82
BAT 1592	BAT882xBAT338	SMALL WHITE	1	18	3	43	79	1	N	.	6	8	2	3	81	-494	82
BAT 1593	BAT882xBAT41		6	16	2	42	77	.	N	.	6	8	5	9	81	-280	
BAT 1594	BAT882xBAT76	NEGRO OPACO	8	19	2	44	79	.	N	.	8	7	7	3	81	-102	
BAT 1595	BAT882xBAT76	NEGRO OPACO	8	20	2	42	77	.	N	.	7	7	2	7	81	-103	
BAT 1596	DOR83xA25		6	18	2	43	74	.	N	.	7	9	4	9	81	-281	
BAT 1597	BAT41x(G4791x(G4791x(...		6	16	3	42	71	.	N	.	8	9	5	9	81	-282	
BAT 1598	BAT41x(G4791x(G4791x(G4791x(...		6	16	2	41	71	.	N	.	7	7	4	5	81	-283	
BAT 1599	BAT1188x(BAT93xSEL104)		3J	21	1	38	71	.	N	.	4	8	5	5	81	-861	
BAT 1600	BAT805xBAT332		3	18	2	42	75	.	N	.	8	9	5	3	81	-837	
BAT 1601	BAT805xBAT332		3	16	2	42	73	1	N	.	7	8	4	5	81	-838	83
BAT 1602	BAT805xBAT897		6	16	2	41	71	.	N	.	7	6	2	9	81	-284	
BAT 1603	BAT805xBAT1138		6	13	2	40	64	.	N	.	8	6	3	7	81	-285	
BAT 1604	BAT805xBAT1138		6	13	2	41	69	.	N	.	8	6	2	7	81	-286	
BAT 1605	BAT815xBAT44		6	16	3	41	76	.	N	.	8	7	5	9	81	-287	
BAT 1606	BAT815xBAT332		3	20	2	42	75	.	N	.	7	8	6	3	81	-839	
BAT 1607	BAT825xBAT859		6	20	3	43	76	.	N	.	8	6	5	7	81	-288	
BAT 1608	SEL8xBAT47		6	18	2	43	78	.	N	.	4	6	3	7	81	-289	
BAT 1609	SEL8xBAT47		6	16	2	42	75	.	N	.	7	6	1	7	81	-290	
BAT 1610	SEL8xBAT897		1	17	2	43	76	.	N	.	6	7	4	7	81	-495	
BAT 1611	SEL8xBAT897		6	18	2	40	76	.	N	.	7	7	3	7	81	-291	
BAT 1612	SEL8xBAT897		6	19	2	43	76	.	N	.	7	7	3	9	81	-292	
BAT 1613	SEL8xBAT897		6	19	2	43	78	.	N	.	7	8	3	7	81	-293	
BAT 1614	SEL8xDOR73		6	16	2	43	78	1	N	.	6	6	2	5	81	-294	83

Line	Cross	Cult. type	Seed		Days to				Emp	Ant	CBE	ALS	Rust	VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot								BCMV	Yr	Ent	YAN
BAT 1615	SEL8xDOR73		6	17	2	40	78	.	N	.	5	8	3	7	81-295	
BAT 1616	SEL8xDOR73		6	20	2	42	78	.	N	.	7	8	3	7	81-296	
BAT 1617	G4470xG13922	FRIJOLICA P11	6M	30	1	39	76	7	N	.	2	9	3	5	81-453	83
BAT 1618	G4470xG13922		7M	35	1	37	76	.	N	.	2	8	3	5	81-454	
BAT 1619	G6615xG4017		7M	28	1,2	38	76	.	N	.	3	6	5	7	81-455	
BAT 1620	G6615xG4017	MWEZI MOJA	7M	26	1	38	76	2	N	.	2	5	3	7	81-456	
BAT 1621	A21xBAT41		6	20	3	40	77	.	N	.	7	8	2	7	81-297	
BAT 1622	A21xBAT41		6	19	3	37	75	.	N	.	5	8	2	7	81-298	
BAT 1623	A21xBAT47		6	20	3	40	77	4	N	.	7	8	1	7	81-299	
BAT 1624	A21xBAT1155		6	20	2	39	77	.	N	.	7	8	3	7	81-300	
BAT 1625	A21xBAT1155		6	19	2	42	77	.	N	.	8	7	2	5	81-301	
BAT 1626	A21xBAT1155	MEXICO 80	6	24	2	43	77	4	N	.	8	7	2	7	81-302	82
BAT 1627	A21xBAT1155		6	21	2	43	78	.	N	.	8	7	6	7	81-303	
BAT 1628	BAT44xBAT789		6	18	3	42	78	.	N	.	7	9	2	7	81-304	
BAT 1629	BAT47xBAT972		6	.	3	42	80	4	N	.	3	7	3	3	81-305	
BAT 1630	BAT47xBAT1040		6	23	2	43	76	.	N	.	8	5	2	9	81-306	
BAT 1631	BAT47xBAT1155		6	17	2	42	76	4	N	.	8	5	3	5	81-307	
BAT 1632	BAT47xBAT1155		6	17	2	42	76	.	N	.	8	9	2	5	81-308	
BAT 1633	BAT47xBAT1155		6	17	3	42	76	.	N	.	8	9	1	5	81-309	
BAT 1634	BAT47xBAT1155		6	18	2	43	76	.	N	.	8	9	2	5	81-310	
BAT 1635	BAT332xSEL4		3	19	2,3	43	75	.	N	.	7	9	5	3	81-840	
BAT 1636	BAT450xSEL5	NEGRO OPACO	8	19	2	43	76	2	N	.	7	7	4	3	81-104	83
BAT 1637	BAT897xBAT1155		6	17	2	42	76	.	N	.	8	9	5	5	81-311	
BAT 1638	BAT897xBAT1155		6	18	2	44	77	.	N	.	8	9	3	7	81-312	
BAT 1639	BAT897xBAT1155		6	16	2	42	72	.	N	.	8	8	3	5	81-313	
BAT 1640	BAT897xBAT1155		6	16	2	42	73	.	N	.	8	8	7	7	81-314	
BAT 1641	BAT897xBAT1155		6	14	2	43	74	.	N	.	9	8	8	5	81-315	
BAT 1642	BAT897xBAT1155		6	14	2	43	76	.	N	.	8	8	3	5	81-316	
BAT 1643	BAT897xBAT1155		6	16	2	42	75	.	N	.	8	8	5	7	81-317	
BAT 1644	BAT897xBAT1155		6	19	2	42	75	.	N	.	8	9	2	7	81-318	
BAT 1645	BAT1155xSEL4		6	20	2	44	77	.	N	.	7	8	7	5	81-319	
BAT 1646	BAT1155xSEL5		6	17	2	43	74	.	N	.	8	9	3	5	81-320	
BAT 1647	G3645xBAT450	NEGRO OPACO	8	17	2	40	77	1	N	.	6	7	2	3	81-105	
BAT 1648	BAT972xBAT58	NEGRO OPACO	8	15	2	42	76	.	N	.	8	7	3	3	81-106	
BAT 1649	(BAT39xBAT41)xBAT1155		6	15	2	43	77	.	N	.	8	8	2	5	81-321	
BAT 1650	(BAT39xBAT41)xBAT1155		6	16	2	43	77	.	N	.	8	9	3	5	81-322	
BAT 1651	(BAT93xBAT821)xBAT1155		6	23	2	42	77	1	N	.	8	7	3	5	81-323	
BAT 1652	(BAT805xDOR73)xBAT1155		6	16	2	44	78	.	N	.	7	6	2	7	81-324	
BAT 1653	(BAT805xDOR73)xBAT1155		6	18	3	42	77	.	N	.	6	7	3	5	81-325	
BAT 1654	(BAT820xBAT41)xBAT1102		6	20	3	42	78	3	N	.	7	7	3	5	81-326	83
BAT 1655	(BAT882xG4445)xBAT338		1	16	2	42	77	.	N	.	7	8	4	3	81-496	
BAT 1656	(BAT882xG4445)xBAT338	GREAT NORTHERN	1	15	2	44	77	1	N	.	8	6	5	3	81-497	82
BAT 1657	(BAT928xBAT41)xBAT1155		6	.	2	42	76	.	N	.	7	8	3	5	81-327	
BAT 1658	(BAT882xDOR73)x(BAT1039xBAT30)		6	23	2	41	79	3	N	.	7	8	8	7	81-328	
BAT 1659	(BAT39xBAT41)xBAT972		6	16	3	44	77	1	N	.	8	8	2	5	81-329	
BAT 1660	BAT48xBAT137	NEGRO OPACO	8	15	3	42	77	.	N	.	7	7	3	3	81-107	
BAT 1661	BAT48xBAT1057	NEGRO OPACO	8	18	2	41	75	.	N	.	7	8	3	5	81-108	
BAT 1662	BAT527xG4494	NEGRO OPACO	8	18	2	43	77	.	N	.	7	7	2	9	81-109	
BAT 1663	BAT1061xXAN51		1	18	3	38	76	1	N	.	8	7	3	7	81-498	
BAT 1664	BAT256xG5066		5R	23	2	38	64	.	N	.	2	9	5	7	81-457	
BAT 1665	BAT67xG14031	NEGRO OPACO	8	22	2	42	76	1	N	.	5	6	3	7	81-110	
BAT 1666	BAT859xBAT336		1	16	3	40	76	.	N	.	8	8	5	5	81-499	
BAT 1667	BAT1225xBAT1079	POMPADOUR	6M	24	2	.	77	1	N	.	3	8	3	7	81-1103	
BAT 1668	BAT1225xBAT1079		6J	29	1	.	76	.	N	.	5	8	5	7	81-1104	
BAT 1669	BAT1225xBAT1155	POMPADOUR	6J	24	2	.	76	1	N	.	8	9	5	9	81-1105	
BAT 1670	BAT1225xBAT1200		7J	23	2	.	76	1	N	.	7	9	8	7	81-1106	83

Line	Cross	Cult. type	Seed			Days to							VSP	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Kmp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
BAT 1671	BAT1225xBAT1200	GARBANCILLO	3J	22	3	.	80	1	N	.	7	8	3	9	81-1107	83
BAT 1672	BAT1225xBAT1254		6M	30	1	.	77	.	N	.	7	7	8	7	81-1108	
BAT 1673	BAT1225xBAT1254	POMPADOUR	6M	34	1	.	76	4	N	.	7	7	8	7	81-1109	
BAT 1674	BAT1230xA40	MEXICO 80	6	24	2A	39	70	4	N	7	8	8	3	9	81-1005	83
BAT 1675	BAT841x(G6401xSEL143)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1676	G4494xBAT950		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1677	G5704xG5719		1	20	3A	40	73	.	N	9	7	7	6	5	83-789	
BAT 1678	G5704xG5719		1	19	3A	39	85	.	N	9	8	7	7	1	83-794	
BAT 1679	G5704xG5719		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1680	G4473xG617		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1681	G4473xG617		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1682	G14013x(G4494x(G76xG1540))		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1683	BAT881xBAT93		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1684	BAT881xBAT93		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1685	BAT93x(G4523xSEL122)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1686	BAT93x(G6401xSEL143)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1687	BAT93x(G6401xSEL143)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1688	BAT93x(G6401xSEL143)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1689	BAT93x(G6401xSEL143)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1690	G6402xG4473		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1691	G6402xG4473		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1692	G6402xG4473		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1693	G6402xG4473		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1694	G6402xG4473	BAYO ANDINO	2	30	1	43	77	.	N	7	9	8	4	3	84-512	
BAT 1695	BAT755xG76		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1696	BAT755xG76		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1697	A25xG6402		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1698	A25xG6402		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1699	A25xG6402		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1700	BAT883xG5707		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1701	BAT883xG5707		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1702	BAT883xG5707		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1703	BAT883xG5707		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1704	G6402xG4473		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1705	G11891x(G4472x(G6401xG1540))		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1706	G11891x(G4472x(G6401xG1540))		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1707	SEL103xG11499		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1708	BAT841x(G6401x(G5704xSEL119))		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1709	BAT841x(G6401x(G6401xSEL143))		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1710	BAT841x(G6401x(G6401xSEL143))		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1711	G6401x(BAT93xSEL104)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1712	BAT1061xXAN51		1	22	3B	39	85	1	N	9	8	7	5	5	83-803	
BAT 1713	BAT1061xXAN51		1	21	3A	37	85	1	N	8	8	7	5	5	83-790	
BAT 1714	G13500xXAN51		1	17	3A	36	85	1	N	9	7	5	5	5	83-799	
BAT 1715	G13500xXAN51		1	17	3A	39	85	1	N	8	7	5	2	5	83-802	
BAT 1716	G13500xXAN51		1	20	3B	37	77	.	N	9	7	6	6	5	83-809	83
BAT 1717	G13500xXAN51		1	21	3B	39	83	.	N	7	9	5	3	5	83-804	
BAT 1718	G14024xBAT1230		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1719	XAN68xBAT838		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1720	BAT740xBAT1061		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1721	BAT859xBAT338		1	16	3B	42	84	.	N	8	6	7	6	5	83-815	83
BAT 1722	G14013xSEL72		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1723	BAT883xG5707		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1724	BAT881xBAT93		.	.	.	.	.	.	N	.	.	.	.	.	.	.
BAT 1725	BAT93x(G6401xSEL143)	AZUFRAO	3	21	1	49	77	.	N	7	7	8	3	5	84-513	
BAT 1726	BAT93x(G6401xSEL143)		.	.	.	.	.	.	N	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Pot	BCMV								
BAT 1727	G6402xG4473		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1728	BAT883xG5707		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1729	BAT883xG5707		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1730	BAT883xG5707		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1731	BAT883xG5707		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1732	BAT883xG5707		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1733	G11891x(G4472x(G6401xG1540))		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1734	G11891x(G4472x(G6401xG1540))		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1735	G11891x(G4472x(G6401xG1540))		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1736	BAT93xSEL103		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1737	BAT93xSEL103		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1738	G4473xG617		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1739	G11891xSEL126		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1740	G6402xG5863		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1741	BAT883xG5707		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1742	BAT883xG5707		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1743	BAT883xG5707		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1744	BAT883xG5707		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1745	BAT883xG5707		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1746	BAT883xG5707		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1747	G6402xG4473	BAYO ANDINO	2	22	1	43	78	.	N	7	9	8	4	3	84-514	.	.
BAT 1748	BAT280xG11499		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1749	BAT280xG11499		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1750	G11891x(G4472x(G6401xG1540))		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1751	G11891x(G4472x(G6401xG1540))		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1752	G11891x(G4472x(G6401xG1540))		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1753	A23xBAT950		2M	24	1	33	73	.	N	8	6	7	6	1	83-856	.	.
BAT 1754	G6402xG13922		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1755	G11891x(BAT93x(G5447x(G5719x...		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1756	BAT789xBAT897		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1757	BAT755xIN27		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1758	G6616x(G4523x(G4523xG76))		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1759	G6616x(G4523x(G4523xG76))		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1760	G6616x(G4523x(G4523xG76))		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1761	BAT1225xG14015		6	25	2B	36	72	.	N	9	6	8	6	3	83-249	.	.
BAT 1762	(BAT815xDOR73)x(BAT815xDOR41)	HUETAR	6	24	2	48	82	.	N-M	6	5	7	7	7	84-43	.	.
BAT 1763	BAT1202xBAT1225		2J	31	3B	39	73	3	N	9	7	8	7	5	83-867	.	.
BAT 1764	BAT1202xBAT1225		2J	29	2B	39	73	2	N	8	8	8	6	5	83-859	.	.
BAT 1765	BAT1202xBAT1225		2J	26	2B	40	73	2	N	8	8	8	6	5	83-860	.	.
BAT 1766	BAT1102xBAT1230		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1767	A25xG3982		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1768	BAT1102x(BAT897xBAT1155)		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1769	G48226xG14013		2M	33	1	39	73	.	N	9	3	5	7	1	83-855	.	.
BAT 1770	BAT1225xBAT887		2M	22	2B	39	73	.	N	8	8	9	7	5	83-862	.	.
BAT 1771	BAT883xBAT332		2	16	2A	41	70	.	N	6	7	7	5	1	83-1007	.	.
BAT 1772	BAT1225xBAT958		4	24	3A	34	65	.	N	9	1	7	6	5	83-1053	.	.
BAT 1773	A25xG6402		2J	23	2B	37	70	.	N	8	9	9	5	1	83-861	.	.
BAT 1774	A62xBAT1252		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BAT 1775	XAN91xBAT1320		3	16	2A	42	75	.	N	6	8	6	7	5	85-632	.	.
BAT 1776	BAT1320xEMP100		3	16	2A	41	77	8	N	6	7	9	7	5	85-633	.	.
BAT 1777	BAT1320xEMP100		3	18	2A	41	77	.	N	6	7	9	7	5	85-634	.	.
BAT 1778	BAT1320xEMP100		3	17	2A	41	75	.	N	5	7	9	7	5	85-635	.	.
BAT 1779	BAT1320xEMP100		3	14	2A	39	66	.	N	5	7	9	7	5	85-636	.	.
BAT 1780	BAT332xBAT1688		3	20	2A	37	71	.	N	5	6	9	6	5	85-637	87	.
BLM 1	BAT482xG5765		.	.	.	.	.	N	.	.	.	.	.	.	.	.	.
BLM 2	BAT1225xBAT1145		1	22	3A	37	73	.	N	9	2	7	8	5	83-851	83	.

Line	Cross	Cult. type	Seed			Days to							VEF		IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
BLM 3	BAT1225xBAT1145		1	27	1	35	73	.	N	9	4	7	6	5	83-841	83
BLM 4	G14013xSEL153		1	38	1	39	82	.	N	9	2	6	6	1	83-832	83
BLM 5	G5704xSEL125	GREAT NORTHERN	1	33	1	41	81	.	N	9	8	8	5	7	83-469	
BLM 6	G14013xSEL153		1	.	.	.	.	.	N	.	.	.	.	.	.
BLM 7	BAT1061xBAT1225	SMALL WHITE	1	27	3	44	77	.	N	8	5	8	6	9	84-470	
BLM 8	G17720xBAT1320	SMALL WHITE	1	25	2	43	88	.	N	8	8	7	4	7	84-471	
BLM 9	BAT1145xBAT1554	GREAT NORTHERN	1	29	2	47	83	.	N	7	6	7	5	3	84-472	
BLM 10	G17719xA505	GREAT NORTHERN	1	32	1	43	83	.	N	8	7	8	5	5	84-473	
BLM 11	G17719xA505	GREAT NORTHERN	1	35		44	93	.	N	8	6	8	5	5	84-474	
BLM 12	(A23xIN26)xA492	GREAT NORTHERN	1	30	1	46	89	.	N	8	4	9	6	7	84-475	
BLM 13	BAT1145xG4498	SMALL WHITE	1	18		41	79	.	N	7	.	7	.	5	85-639	87
BLM 14	DOR60xG3627	SMALL WHITE	1	19	2	41	73	3	N	9	7	7	7	7	85-640	
BLM 15	BAT1145xG4498	SMALL WHITE	1	26	1	31	67	.	N	.	.	8	.	5	85-641	87
BLM 16	G17720xA492	CABALLERO	1	26	1	35	70	.	N	6	6	9	5	5	85-642	
BLM 17	A502xBAT1297	SMALL WHITE	1	25	2	35	66	.	N	9	4	7	6	7	85-643	
BLM 18	A502xBAT1297	SMALL WHITE	1	22	2	36	68	1	N	9	2	8	7	7	85-644	
BLM 19	BAT1371xG5707	SMALL WHITE	1	27	1	41	73	.	M	9	6	8	5	5	85-645	
BLM 20	A502xBAT1297	SMALL WHITE	1	22	2	41	68	.	N	7	.	8	.	5	85-646	87
BLM 21	EMP92xG7161	CABALLERO	1	25	2	36	73	1	N	6	7	8	4	5	85-647	
BLM 22	A505xBAT1387	CABALLERO	1	24	1	33	73	8	N	6	6	7	4	5	85-648	
BLM 23	G14013xSEL153	SMALL WHITE	1	23	1	37	80	.	N	.	.	7	.	5	85-649	
BLM 24	G17719xA505	SMALL WHITE	1	24	1	42	80	.	N	.	.	3	.	5	85-650	
BLM 25	MOC2xBAT1759	SMALL WHITE	1	23	2	36	71	2	N	9	6	8	6	5	85-651	
BLM 26	G4494xMOC3		1	27	3	41	.	.	N	9	1	7	5	5	86-547	
BLM 27	A502xBAT1297		1	25	2B	38	71	.	N	9	1	8	6	5	86-548	
BLM 28	A502xBAT1297		1	25	2B	40	72	.	N	9	1	8	7	5	86-549	
BLM 29	A502xBAT1297		1	29	2B	34	69	.	N	9	1	8	6	6	86-550	
BLM 30	A502xA485	SMALL WHITE	1	18	2B	38	71	.	N	9	3	8	6	6	86-551	
BLM 31	MOC30xG6039		1	22	2B	41	72	.	N	9	1	8	6	7	86-552	
BLM 32	A505xBAT1387		1	28	1	34	71	5	N-M	9	2	8	5	5	86-553	88
BLM 33	G6623xBAT1345		1	35	1	36	70	.	N	9	8	4	5	4	86-554	89
BLM 34	G6623xBAT1345		1	28	1	37	73	.	N	9	8	6	5	4	86-555	
BLM 35	MOC28xG17699		1	24	2B	38	73	.	N	9	8	6	4	6	86-556	
BLM 36	BAT1371xG5707		1	26	1	42	73	1	N	9	8	8	6	4	86-557	88
BLM 37	G1456xG3954		1	27	1	36	75	.	N	9	4	7	4	3	86-558	
BLM 38	G17713xMOC3		1	22	2B	42	74	.	N	9	1	8	7	4	86-559	
BLM 39	G6402xMOC3	SMALL WHITE	1	19	2B	40	74	.	N	9	6	8	6	6	86-560	
BLM 40	G6623xBAT1345		1	32	1	41	72	.	N	9	8	5	6	8	86-561	
BLM 41	G6623xBAT1345		1	32	1	36	71	.	N	9	8	5	5	4	86-562	
BLM 42	G17621xG17682		1	22	2B	33	71	1	N	9	7	7	7	7	86-563	88
BLM 43	G17719xA505	SMALL WHITE	1	19	2B	42	75	.	N	9	6	6	6	7	86-564	
BLM 44	G17632xA498		1	24	2B	41	71	.	N	9	6	7	6	4	86-565	
BLM 45	SEL386xG7161		1	26	2B	38	71	.	N	9	8	7	5	7	86-566	
BLM 46	A506xMOC7	SMALL WHITE	1	19	1	35	67	.	N	9	7	6	4	4	86-567	
BLM 47	A506xMOC7		1	23		36	68	.	N	9	2	7	6	6	86-568	
BLM 48	G14013xSEL153		1	29	1	36	71	8	M	9	3	5	8	4	86-569	88
BLM 49	BAT1453xG18350		1	19	3	33	58	.	M	9	7	8	7	6	86-570	
BLM 50	G17690xMOC20		1	17	2B	43	76	.	M-N	9	4	6	5	6	86-571	
BLM 51	MOC28xG17699		1	23	3	43	74	.	O	9	5	6	4	6	86-572	
BLM 52	G17690xMOC20	SMALL WHITE	1	15	2B	38	75	.	O	9	6	6	5	6	86-573	
BLM 53	MOC21xG17678		1	22	1	38	73	5	M	7	7	7	7	4	86-574	88
BLM 54	BAT1453xG18402		1	22	1	36	68	.	M	9	3	7	7	6	86-575	
BLM 55	DOR37xG17683		1	24	1	35	69	.	N	9	9	8	5	6	86-576	
BLM 56	SEL705xG18403		1	27	1	35	69	.	N	9	7	7	5	7	86-577	
BLM 57	SEL691xXAN12	SMALL WHITE	1	17	3	36	73	.	N	9	7	7	6	8	86-578	
BLM 58	G18399xG18418		1	32	1	34	68	.	N	9	6	7	6	3	86-579	

Line	Cross	Cult. type	Seed			Days to							VEF		IB	
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
BLM	59	G18402xG6623	1	24	1	36	68	.	N	9	6	7	5	6	86-580	
BLM	60	G18402xG18419	1	28	1	39	73	.	N	9	7	7	7	4	86-581	
BLM	61	G18402xG18419	1	26	1	36	72	.	N	9	7	7	5	4	86-582	
BLM	62	G18402xG8802	1	25	1	37	72	.	N	9	7	7	6	4	86-583	
BLM	63	BAT1468xG17682	1	25	2B	40	68	.	N	9	8	6	6	7	86-584	
BLM	64	BAT1468xSEL689	1	22	3	37	72	.	N	9	8	7	6	8	86-585	
BLM	65	XAN12xSEL689	1	24	3	37	68	.	N	9	8	6	6	7	86-586	
BLM	66	XAN12xG18409	1	23	2B	37	71	.	N	9	7	7	6	8	86-587	
BLM	67	G18406xSEL690	1	25	2B	38	71	.	N-M	9	8	7	5	7	86-588	
BLM	68	G17687xG18400	1	26	1	40	72	4	N	9	8	6	6	5	86-589	
BLM	69	WAF5xG18399	1	26	1	39	.	8	N	9	5	7	6	4	86-590	88
BLM	70	WAF5xG18400	1	25	1	38	72	6	N	8	6	7	6	4	86-591	88
BLM	71	SEL704xG18408	1	25	1	34	74	4	N	8	8	7	6	6	86-592	88
BLM	72	SEL705xG18408	1	24	1	37	71	.	N	8	6	7	6	4	86-593	
BLM	73	BLM7xSEL691	1	28	3	38	72	.	N	8	6	7	6	7	86-594	
BLM	74	G18393xG18416	1	24	3	35	.	.	N	8	7	6	6	4	86-595	
BLM	75	G18421xG18374	1	32	1	33	66	.	L	8	6	6	6	4	86-596	
BLM	76	G8802xG18399	1	30	1	37	72	2	N	8	7	8	6	4	86-597	88
BLM	77	G7161xG6623	1	28	1	35	66	.	N	8	6	7	6	7	86-598	
BLM	78	G7161xG6623	1	27	2B	35	71	.	N	8	7	7	6	7	86-599	
BLM	79	WAF2xSEL416	1	27	2B	39	71	.	N	8	3	7	7	6	86-600	
BLM	80	WAF2xSEL416	1	24	2B	39	70	.	N	9	5	7	7	5	86-601	
BLM	81	G18408xG18419	1	21	1	32	63	.	N	9	7	6	5	4	86-602	
BLM	82	G18408xG18419	1	21	1	36	66	.	N	9	7	6	5	5	86-603	
BLM	83	BAT1453xG18383	1	23	2A	33	58	.	N-M	.	3	7	7	4	87-2	
BLM	84	G17686xXAN12	1	24	2	31	59	.	N-M	.	8	7	7	4	87-3	
BLM	85	WAF5xBAT1145	1	26	1	36	74	3	N	8	5	5	7	4	87-4	89
BLM	86	WAF5xBAT1145	1	26	1	36	75	.	N	.	3	7	7	3	87-5	
BRB	1	S24990x(A197xBAT1386)	7M	37	1	32	70	6	N	.	1	7	7	3	92-645	
BRB	2	G20555x(A197xG76)	.	.	.	.	.	.	N	.	.	.	.	.	.
BRB	3	EMP189xIVT861157	8	18	2	37	74	1	O	.	1	7	4	5	92-663	
BRB	4	EMP189xIVT861157	8	17	2	38	74	1	O	.	1	7	5	4	92-664	
BRB	5	EMP189xIVT861157	8	21	2B	37	71	2	O	.	1	7	6	4	92-665	
BRB	6	EMP189xIVT861157	8	20	2A	37	71	1	O	.	3	7	7	5	92-666	
BRB	7	PIJAOxIVT861157	8	21	2B	37	72	2	O	.	1	6	7	6	92-667	
BRB	8	PIJAOxIVT861157	8	19	2B	39	71	1	O	.	1	7	7	7	92-668	
BRB	9	PIJAOxIVT861157	8	20	2A	38	75	1	O	.	1	7	7	6	92-669	
BRB	10	DOR44xIVT861157	8	19	2A	38	75	3	O	.	1	7	7	5	92-670	
BRB	11	DOR44xIVT861157	8	18	2	38	72	1	O	.	1	7	7	5	92-671	
BRB	12	DOR44xIVT861157	8	17	2B	35	68	3	O	.	1	7	7	5	92-672	
BRB	13	G4524xIVT861158	8	18	2B	38	71	1	L	.	7	7	7	5	92-673	
BRB	14	G4524xIVT861158	8	17	2B	38	74	2	L-N	.	6	7	7	5	92-674	
BRB	15	P86270xIVT861160	2P	22	2A	36	76	6	O	.	6	7	6	7	92-245	
BRB	16	TOPAZxIVT861160	2P	28	2A	36	72	2	O	.	4	7	4	7	92-246	
BRB	17	TOPAZxIVT861160	2P	22	2	33	72	4	O	.	1	7	5	7	92-247	
BRB	18	TOPAZxIVT861160	2P	23	2A	35	72	3	O	.	5	7	6	7	92-248	
BRB	19	DRK16xMCR24038	6	37	2B	34	70	8	O	.	1	7	7	3	92-519	
BRB	20	AFR297xMCR24038	6	42	1	30	69	8	O	.	1	7	6	3	92-552	
BRB	21	CAN40xIVT870002	.	.	.	.	.	.	O	.	.	.	.	.	.
BRB	22	MAYOCOBAXIVT870002	3	24	2A	34	74	1	O	.	4	6	6	4	92-276	
BRB	23	CAROLINAXIVT870007	6M	25	3	36	72	5	O	.	1	7	6	6	92-486	
BRB	24	CAROLINAXIVT870007	6	25	2A	38	74	3	O	.	1	7	7	8	92-376	
BRB	25	RAB59x(RAB59xMCM251-6)	6	26	2A	35	73	7	O	.	4	7	7	3	92-377	
BRB	26	WAF9x(WAF9xMCM251-11)	1	37	1	31	71	2	O	.	1	7	7	3	92-30	
BRB	27	CAL105x(CALIMAXDNTIMOT314)	6M	32	2A	34	67	3	O	.	7	7	5	2	92-510	
BRB	28	CAL105x(CALIMAXDNTIMOT314)	6M	43	2B	34	74	8	O	.	1	7	5	3	92-391	

Line	Cross	Cult. type	Seed			Days to								VEF Yr Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust
BRB 29	CAL105x(CALIMAxDNTIMOT314)	CITARA	6M	34	2A	34	67	3	0	.	1	7	3	3	92-511	
BRB 30	CAL105x(CALIMAxDNTIMOT314)	CALIMA	6M	37	2B	39	75	8	0	.	1	7	6	2	92-392	
BRB 31	CAL105x(CALIMAxDNTIMOT314)	CALIMA	6M	39	1	32	71	8	0	.	1	7	6	3	92-393	
BRB 32	CAL105x(CALIMAxDNTIMOT314)	POMPADOUR	6M	29	2A	34	65	8	0	.	7	8	7	5	92-496	
BRB 33	DRK16x(CALIMAxDNTIMOT310)	SANGRETORO	6	35	2B	31	68	8	0	.	5	7	6	3	92-553	
BRB 34	DRK16x(CALIMAxDNTIMOT310)	ARGENTINO	7	40	2B	31	72	8	0	.	1	7	5	3	92-627	
BRB 35	ZAA28x(CALIMAxDNTIMOT317)	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.
BRB 36	ZAA28x(CALIMAxDNTIMOT317)	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.
BRB 37	G6592x(G6592xMCM251-1)	SANGRETORO	6	45	1	30	71	4	0	.	1	8	7	3	92-554	
BRB 38	G6592x(G6592xMCM251-10)	RADICAL	6	41	1	31	72	4	0	.	1	8	7	3	92-520	
BRB 39	KILYUMUKWEx(KILYUMUKWExMCM251-6)	SANGRETORO	6	43	3	28	80	5	0	.	1	7	4	2	92-555	
BRB 40	KILYUMUKWEx(KILYUMUKWExMCM251-6)	SANGRETORO	6	42	2B	29	78	4	0	.	1	7	4	3	92-556	
BRB 41	MCM3031x(CARIOCAxG2072)	SMALL WHITE	1	22	2A	39	76	2	0	.	5	6	7	7	92-104	
BRB 42	MCM3031x(CARIOCAxG2072)	SMALL WHITE	1	20	2A	39	76	3	0	.	7	6	7	7	92-105	
BRB 43	MCM3031x(CARIOCAxG2072)	SMALL WHITE	1	20	2A	39	76	3	0	.	6	7	7	6	92-106	
BRB 44	MCM3031x(CARIOCAxG2072)	SMALL WHITE	1	21	2A	40	74	3	0	.	5	7	7	7	92-107	
BRB 45	MCM3031x(EXRICO23xEMP81)	SMALL WHITE	1	18	2A	35	69	1	0	.	3	7	6	7	92-108	
BRB 46	MCM3031x(BAT338xG5773)	SMALL WHITE	1	22	2B	39	76	1	0	.	8	7	8	7	92-109	
BRB 47	MCM3031x(BAT338xEMP81)	SMALL WHITE	1	21	2A	40	77	3	0	.	5	7	7	7	92-110	
BRB 48	MCM1015x(BLASKDESSIxG5773)	NEGRO	8	18	2A	37	68	1	0	.	5	7	7	6	92-675	
BRB 49	MCM1015x(BLASKDESSIxG5773)	NEGRO	8	19	2A	38	67	1	0	.	1	7	7	6	92-676	
BRB 50	MCM1015x(BLASKDESSIxG5773)	NEGRO	8	17	2	38	72	1	0	.	1	7	7	7	92-677	
BRB 51	MCM1015x(BLASKDESSIxG5773)	NEGRO	8	19	2	37	71	1	0	.	1	7	7	7	92-678	
BRB 52	MCM3031x(MEXICAN142xEMP81)	SMALL WHITE	1	19	2A	40	77	3	0	.	5	6	7	6	92-111	
BRB 53	MCM3031x(MEXICAN142xEMP81)	SMALL WHITE	1	17	2B	40	78	1	0	.	1	6	7	7	92-112	
BRB 54	V79116x(MCR2402-1xCAROLINA)	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.
BRB 55	REDMEXI142x(P86270xIVT861160)	SMALL WHITE	1	16	2B	35	82	8	0	.	8	7	7	5	92-113	
BRB 56	REDMEXI142x(P86270xIVT861160)	PINTO	2P	20	2A	35	76	8	0	.	4	7	5	6	92-249	
BRB 57	ABA33x(ABA51xCALIDNT314)	GREAT NORTHERN	1	36	1	31	71	2	0	.	3	8	8	4	92-31	
BRB 58	CAROLINAx(CAROLINAxIVT870008)	RED MEXICAN	6	27	3	33	76	4	0	.	5	6	6	7	92-538	
BRB 59	EMP189x(EMP189xIVT861157)	NEGRO	8	20	2	38	71	1	0	.	1	7	6	7	92-679	
BRB 60	EMP189x(EMP189xIVT861157)	NEGRO	8	22	2	38	71	1	0	.	1	7	6	7	92-680	
BRB 61	ICAPIJAOx(ICAPIJAOxIVT861157)	NEGRO	8	20	2A	38	71	4	0	.	3	8	6	7	92-681	
BRB 62	ICAPIJAOx(ICAPIJAOxIVT861157)	NEGRO	8	17	2A	38	70	1	0	.	1	8	7	7	92-682	
BRB 63	ICAPIJAOx(ICAPIJAOxIVT861157)	NEGRO	8	20	2A	38	71	1	0	.	1	8	4	7	92-683	
BRB 64	ICAPIJAOx(ICAPIJAOxCALIDNT310)	NEGRO	8	29	2A	38	69	1	0	.	6	8	5	6	92-684	
BRB 65	DOR44x(DOR44xIVT861157)	NEGRO	8	15	2A	38	65	1	0	.	4	7	3	6	92-685	
BRB 66	DOR44x(DOR44xIVT861157)	NEGRO	8	17	2A	38	65	1	0	.	5	7	4	5	92-686	
BRB 67	DOR44x(DOR44xIVT861157)	NEGRO	8	19	2A	39	74	1	0	.	6	7	5	5	92-687	
BRB 68	DOR44x(DOR44xIVT861157)	NEGRO	8	20	2A	39	74	1	0	.	7	7	4	5	92-688	
BRB 69	G4524x(G4524xIVT861158)	NEGRO	8	21	2A	39	79	1	0	.	5	7	6	7	92-689	
BRB 70	G13078x(G13078xIVT870008)	CALIMA	6M	50	1	30	69	.	0	.	1	7	7	3	92-394	
BRB 71	G23224xMCM2003	ZAMORANO	6	25	2	39	80	4	L	.	5	6	7	4	92-591	
BRB 72	G23224xMCM2003	.	.	.	.	.	.	.	L	.	.	.	.	.	.	.
BRB 73	G23224xMCM2003	.	.	.	.	.	.	.	L	.	.	.	.	.	.	.
BRB 74	G23224xMCM2003	ZAMORANO	6	24	2	39	78	4	L	.	6	8	7	5	92-592	
BRB 75	G23224xMCM2003	.	.	.	.	.	.	.	L	.	.	.	.	.	.	.
BRB 76	A344xMCM5005	CARIOCA	2J	18	2A	36	76	1	0	.	1	5	4	4	92-188	
BRB 77	G18259xIVT870002	AZUFRAO	3	26	2B	39	74	.	0	.	4	6	5	3	92-277	
BRB 78	AFR392xMCM5001	CARIOCA	2J	22	2A	38	72	1	0	.	1	6	3	4	92-189	
BRB 79	DOR364xMCM2002	A 21	6	24	2	36	71	.	0	.	7	6	7	7	92-378	
BRB 80	DOR364xMCM2002	ZAMORANO	6	24	2A	34	72	3	0	.	7	7	7	7	92-593	
BRB 81	AND419xMCM2002	RED MEXICAN	6	33	3	34	78	4	0	.	5	6	7	7	92-539	
BRB 82	EMP189xMCM1015	NEGRO	8	18	2A	41	79	3	0	.	1	7	5	6	92-690	
BRB 83	EXRICO23xMCM3031	NAVY	1	21	2B	33	69	2	0	.	8	8	4	8	92-95	
BRB 84	P86270x(P86270xIVT861160)	PINTO	2P	30	2A	36	76	2	0	.	4	7	6	8	92-250	

Line	Cross	Cult. type	Seed		Days to					VEP	IB				
			col.	Wt Hab	Fl	Mt	Pot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
BRB 85	ZAA44x (ZAA44xMCR2515)	RADICAL	6	27 1	31	72	.	O	.	1	8	6	3	92-521	
BRB 86	A321x (A321xMCM2515)x A321	BAYO MEXICANO	2	44 3	38	90	.	N	.	1	6	5	3	92-176	
BRB 87	PRODUCTIV3x ((PRODUCTIV3xMCR250115)xKARAMA1/	MWEZI MOJA	7M	47 3	34	82	.	O	.	2	5	4	3	93-494	
BRB 88	PRODUCTIV3x ((PRODUCTIV3xMCR250115)xKARAMA1/	MWEZI MOJA	7M	47 3	34	82	.	O	.	1	6	6	3	93-495	
BRB 89	A321x (A321xMCM2515)x A321	BAYO ANDINO	2	34 3	34	85	.	O-N	.	1	7	4	3	93-70	
BRB 90	A321x (A321xMCM2515)x A321	BAYO ANDINO	2	32 3	35	89	.	O-N	.	1	7	4	4	93-71	
BRB 91	A321x (A321xMCM2515)x A321	BAYO ANDINO	2	47 3	34	89	.	O-N	.	1	7	7	7	93-72	
BRB 92	A321x (A321xMCM2515)x A321	BAYO ANDINO	2	46 3	34	89	.	O-N	.	1	7	8	7	93-73	
BRB 93	(BAT338xMCM3031)x (BAT338xG5773)	NAVY	1	21 3	38	82	.	O	.	7	7	5	7	93-30	
BRB 94	(BLASKDESSIxMCM1015)x (BLASKDESSIxG5773)	NEGRO SEMIBRILLA	8	18 2	36	72	.	O	.	8	7	8	7	93-499	
BRB 95	A344xMCM5005	NEGRO SEMIBRILLA	8	20 2B	38	79	.	O	.	3	7	7	4	93-500	
BRB 96	A344xMCM5005	NEGRO SEMIBRILLA	8	20 2A	37	79	.	O	.	4	7	6	4	93-501	
BRB 97	A344xMCM5005	NEGRO SEMIBRILLA	8	20 2A	37	79	.	O	.	6	7	7	5	93-502	
BRB 98	A344xMCM5005	NEGRO SEMIBRILLA	8	21 2A	38	79	.	O	.	3	7	7	4	93-503	
BRB 99	A344xMCM5005	NEGRO SEMIBRILLA	8	19 2A	38	79	.	O	.	2	7	7	4	93-504	
BRB 100	ICAPIJAOx (ICAPIJAOxMCM1019)	NEGRO SEMIBRILLA	8	22 2A	38	77	.	O	.	7	7	7	8	93-505	
BRB 101	ICAPIJAOx (ICAPIJAOxMCM1019)	NEGRO SEMIBRILLA	8	20 2A	38	77	.	O	.	6	6	7	8	93-506	
BRB 102	G18269xIVT870002	PINTO	2P	25 2B	35	72	.	O	.	6	7	4	8	93-151	
BRB 103	EMP213xMCM2001	HONDURAS 46	6	20 2A	38	77	.	O	.	6	5	7	7	93-316	
BRB 104	SUG36xCALDNT1158	BAT 1297	6P	25 3	34	79	.	O	.	5	7	7	7	93-218	
BRB 105	SUG47xCALDNT1158	PINTO	2P	26 3	35	79	.	O	.	2	6	7	7	93-152	
BRB 106	SUG57xCALDNT1158	NAVY	1	19 2B	32	74	.	O	.	8	7	7	7	93-31	
BRB 107	CALIMAxCALDNT1158	SMALL WHITE	1	19 3	38	83	.	O	.	7	6	5	6	93-58	
BRB 108	MCM3031xEMP235	NAVY	1	28 2A	41	85	.	O	.	7	6	7	6	93-32	
BRB 109	EMP232xMCM2001	ZAMORANO	6	25 3	36	75	.	O	.	6	8	7	7	93-244	
BRB 110	EMP232xMCM2001	BAT 1297	6P	26 2B	35	79	.	O	.	7	6	7	7	93-402	
BRB 111	EMP224xMCM2001	A 21	6	26 2B	35	77	.	O	.	6	7	7	3	93-209	
BRB 112	EMP224xMCM2001	ZAMORANO	6	26 2B	34	77	.	O	.	4	7	8	3	93-445	
BRB 113	RAB208xMCM2001	ZAMORANO	6	26 2B	34	72	.	O	.	5	6	8	6	93-245	
BRB 114	EMP202xMCM1015	NEGRO SEMIBRILLA	8	19 2A	36	77	.	O	.	6	6	5	4	93-507	
BRB 115	EMP202xMCM1015	NEGRO SEMIBRILLA	8	20 2A	35	75	.	O	.	8	6	6	6	93-508	
BRB 116	EMP202xMCM1015	NEGRO SEMIBRILLA	8	18 2A	35	72	.	O	.	5	6	6	8	93-509	
BRB 117	EMP202xMCM1015	NEGRO SEMIBRILLA	8	18 2A	34	72	.	O	.	5	7	7	8	93-510	
BRB 118	MCD230xCALDNT1158	POMPADOUR	6M	34 2B	34	79	.	O	.	1	6	7	4	93-410	
BRB 119	MCD230xCALDNT1158	POMPADOUR	6M	37 3	34	80	.	O	.	1	5	7	4	93-411	
BRB 120	MCD230xCALDNT1158	CITARA	6M	43 2B	34	79	.	O	.	1	6	7	4	93-386	
BRB 121	DOR44x (IVT861157xDOR44)	NEGRO SEMIBRILLA	8	19 2A	36	77	.	O	.	5	7	7	7	93-511	
BRB 122	DOR44x (IVT861157xDOR44)	NEGRO SEMIBRILLA	8	20 3	36	75	.	O	.	4	7	7	7	93-512	
BRB 123	DOR44x (IVT861157xDOR44)	NEGRO SEMIBRILLA	8	20 2B	38	77	.	O	.	5	7	6	7	93-513	
BRB 124	G4524x (IVT861158xG4524)	NEGRO SEMIBRILLA	8	20 2B	36	72	.	O	.	3	7	7	7	93-514	
BRB 125	G4524x (IVT861158xG4524)	NEGRO SEMIBRILLA	8	19 2B	38	77	.	O	.	5	7	7	7	93-515	
BRB 126	MCM3031x (BAT338xEMP81)	SMALL WHITE	1	18 3	38	85	.	O	.	5	6	7	5	93-59	
BRB 127	MCM1015x (BLASKDESSIxG5773)	NEGRO SEMIBRILLA	8	18 2A	38	77	.	O	.	7	7	8	7	93-516	
BRB 128	MCM1015x (BLASKDESSIxG5773)	NEGRO SEMIBRILLA	8	18 2A	38	75	.	O	.	8	7	8	8	93-517	
BRB 129	MAYOCOBAX (MAYOCOBAXCALIDNT292)	AZUFRAO	3	27 1	31	77	.	O	.	4	8	8	5	93-178	
BRB 130	ABA33x (ABA51xCALIDNT314)	ALUBIA	1	40 1	33	80	.	O	.	8	8	5	5	93-2	
BRB 131	ABA33x (ABA51xCALIDNT314)	ALUBIA	1	41 1	33	84	.	O	.	8	8	4	6	93-3	
BRB 132	DRK11x (DRK16xCALIDNT310)	RADICAL	6	38 2B	33	70	.	O	.	8	6	7	4	93-425	
BRB 133	DRK11x (DRK16xCALIDNT310)	RADICAL	6	38 2B	34	70	.	O	.	7	6	7	4	93-426	
BRB 134	G23224xMCM2003	ZAMORANO	6	23 2	39	81	.	O	.	7	6	7	7	93-466	
BRB 135	G18530xIVT870002		3	29 1A	31	70	.	O	.	5	6	7	8	93-179	
BRB 136	G18530xIVT870002		3	29 1A	31	68	.	O	.	7	7	7	8	93-180	
BRB 137	AFR392xMCM5001	PINTO	2P	23 2A	36	74	.	O	.	8	6	7	4	93-153	
BRB 138	AFR392xMCM5001	PINTO	2P	25 2A	36	77	.	O	.	8	6	8	4	93-154	
BRB 139	AFR242xIVT870007	DUVA	6	44 1	29	68	.	O	.	8	7	7	4	93-390	
BRB 140	AFR242xIVT870007	DUVA	6	51 1	29	68	.	O	.	6	8	7	5	93-391	

Line	Cross	Cult. type	Seed		Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt Hab	Fl	Mt	Fot	BCMV								
BRU	17	BAT1449x(G12952xBAT1449)	ZAMORANO	6	18 2A	36	67	4	N-M	9	4	5	6	86-145	88	
BRU	18	BAT1449x(G12952xBAT1449)	ZAMORANO	6	20 2B	37	70	3	N	9	2	7	4	86-146		
BRU	19	BAT1449x(G12952xBAT1449)	ZAMORANO	6	20 2B	36	66	4	N	9	2	7	5	86-147	88	
BRU	20	BAT1449x(G12952xBAT1449)	ZAMORANO	6	18 2B	37	68	4	N	9	1	7	5	86-148	88	
BRU	21	BAT1449x(G12952xBAT1449)	ZAMORANO	6	19 2B	37	68	3	N	9	1	6	5	86-149	88	
BRU	22	BAT1449x(G12952xBAT1449)	ZAMORANO	6	19 2B	37	68	3	N	9	1	6	5	86-150		
BRU	23	BAT1449x(G12952xBAT1449)	ZAMORANO	6	19 2B	37	69	4	N	9	2	7	5	86-151		
BRU	24	BAT1449x(G12952xBAT1449)	ZAMORANO	6	19 2B	38	70	5	N	9	1	5	5	86-152	88	
BRU	25	BAT1449x(G12952xBAT1449)	ZAMORANO	6	18 2B	38	70	5	N	7	1	5	5	86-153	88	
BRU	26	BAT1449x(G12952xBAT1449)	ZAMORANO	6	18 2B	41	72	.	N-M	8	1	5	5	86-154		
CAB	1	G20557xG5693	GREAT NORTHERN	1	32	81	.	.	N	.	4	7	6	89-801		
CAB	2	G20557xVCB81020	CABALLERO	1	48	86	.	.	M	.	1	.	4	89-815		
CAB	3	CABALLEROxVCB81020	BOLON BLANCO	1	33	78	.	.	M	.	2	.	6	89-813		
CAB	4	G10820xVRA81003	WHITE KIDNEY	1	39	81	.	.	N	.	2	7	6	89-822		
CAB	5	G20557xVCB81020	CABALLERO	1	35	81	.	.	M	.	2	.	7	89-818		
CAB	6	G15834xG2829	GREAT NORTHERN	1	33	81	.	.	M	.	1	.	7	89-802		
CAB	7	G20557xVCB81020	CABALLERO	1	48	81	.	.	M	.	2	.	4	89-816		
CAB	8	G20557xG5693	BOLON BLANCO	1	35	83	.	.	N	.	3	7	6	89-809		
CAB	9	G20557xVCB81020	BOLON BLANCO	1	29	78	.	.	M	.	3	.	3	89-810		
CAB	10	G24517xVCB81020	CABALLERO	1	41	81	.	.	M	.	1	.	7	89-819		
CAB	11	A322xG12667	CABALLERO	1	44	81	.	.	M	.	1	.	6	89-817		
CAB	12	G14288xVCB81020	BOLON BLANCO	1	29	81	.	.	M	.	2	.	8	89-812		
CAB	13	S25011xG12727	WHITE KIDNEY	1	43	75	.	.	N	.	2	7	8	89-821		
CAB	14	G24213xVCB81020	GREAT NORTHERN	1	32	81	.	.	M	.	1	.	8	89-803		
CAB	15	CABALLEROxVCB81020	BOLON BLANCO	1	34	78	.	.	M	.	1	.	5	89-808		
CAB	16	G20557xG5693	GREAT NORTHERN	1	29	83	.	.	N	.	4	7	6	89-804		
CAB	17	G20557xVCB81020	BOLON BLANCO	1	38	81	.	.	M	.	1	.	6	89-807		
CAB	18	G20557xVCB81020	BOLON BLANCO	1	40	78	.	.	M	.	1	.	6	89-806		
CAB	19	G20557xVCB81020	BOLON BLANCO	1	27	86	.	.	M	.	5	.	4	89-811		
CAB	20	G11768xG4727	WHITE KIDNEY	1	47	78	.	.	M	.	3	.	7	89-820		
CAB	21	G23730xVCB81020	SMALL WHITE	1	28 4B	57 140	.	.	M	.	1	6	7	90-626		
CAB	22	CABALLEROxVCB81020	SMALL WHITE	1	28 4B	67 137	8	.	M	.	1	7	6	90-627		
CAB	23	(CABALLEROxVCB81020)x(CABALLEROxG10889)	SMALL WHITE	1	37 4B	57 137	.	M-N	.	1	7	7	7	90-628		
CAB	24	G20557xG5693	SMALL WHITE	1	33 4B	67 140	.	.	M	.	1	7	6	90-629		
CAB	25	G21716xVCB81014	SMALL WHITE	1	29 4A	57 132	8	M	.	2	7	7	8	90-630		
CAB	26	G10889xVII15778-3-1-	SMALL WHITE	1	34 4A	67 137	8	N	.	3	6	7	4	90-631		
CAB	27	(CABALLEROxVCB81020)x(CABALLEROxG10889)	CABALLERO	1	44 4B	57 140	.	.	M	.	4	7	6	90-621		
CAB	28	CABALLEROLOCxVCB81020	CABALLERO	1	34 4B	57 142	8	M	.	.	6	7	7	90-622		
CAB	29	CABALLEROLOCxVCB81020	NAVY	1	28 4B	67 152	8	M-N	.	5	6	7	7	90-623		
CAB	30	G7459xZAV83024	SMALL WHITE	1	33 4B	72 142	.	.	M	.	2	6	7	2	90-632	
CAB	31	CABALLEROLOCxZAV83099	GREAT NORTHERN	1	M	.	2	7	7	2	92-915	
CAB	32	ABA44xASC39	SMALL WHITE	1	.	51 96	.	.	N	.	1	5	7	8	93-772	
CAB	33	ABA44xRAD6	SMALL WHITE	1	.	59 101	.	.	M	.	1	5	7	2	93-773	
CAB	34	4416xRAD14	GREAT NORTHERN	1	.	56 92	.	.	N-M	.	1	5	7	5	93-771	
CAL	1	G14016xG14013	TUNDAMA	6M	49 1	49 107	6	N	8	6	6	6	3	87-625	89	
CAL	2	G12532xBAT1274	FRIJOLICA P11	6M	49 3A	55 112	8	N	9	5	6	6	3	87-626		
CAL	3	G14016xG12666	NIMA	6M	48 3B	58 113	8	M	8	4	6	5	2	87-627	89	
CAL	4	G12722xBAT1276	TUNDAMA	6M	61 4A	61 119	8	M	9	6	7	4	3	87-628		
CAL	5	G12722xBAT1276	TUNDAMA	6M	62 4A	62 119	8	M	8	7	6	6	3	87-629		
CAL	6	FELI-1xBAT1274	NIMA	6M	54 4A	84 142	8	M	9	7	5	4	2	87-630		
CAL	7	G12670xBAT1276	FRIJOLICA P11	6M	56 4A	64 132	8	N	8	2	5	5	3	87-631		
CAL	8	G12720x(G12720xV79020)	TUNDAMA	6M	48 4B	66 142	8	M	9	1	7	7	3	87-632		
CAL	9	G12722xBAT1276	GUALI	6M	71 4A	62 120	8	N	8	2	5	6	4	87-633		
CAL	10	G4452xBAT1582	GUALI	6M	54 3B	57 119	6	N	8	6	6	6	6	87-634		
CAL	11	G5701xBAT1276	POMPADOUR	6M	34 1	33 71	.	M-N	.	7	7	6	3	87-394		
CAL	12	A192xBAT1276	NIMA	6M	37 1	36 66	6	M	8	8	6	6	3	87-395	89	

Line	Cross	Cult. type	Seed			Days to								VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust	Yr	Ent	YAN
CAL	13	A192xBAT1276	NIMA	6M	39	1	37	65	3	M	8	7	6	5	3	87-396	89
CAL	14	A192xBAT1276	NIMA	6M	37	1	37	67	.	M	.	2	7	4	3	87-397	
CAL	15	A192xBAT1276	NIMA	6M	39	1	37	64	.	M	.	7	8	5	2	87-398	
CAL	16	A192xBAT1276	NIMA	6M	37	1	37	63	.	M	.	8	7	4	3	87-399	
CAL	17	A192xBAT1276	NIMA	6M	38	1	36	65	3	M	8	8	6	5	3	87-400	89
CAL	18	A192xBAT1276	NIMA	6M	44	1	37	71	3	M	8	2	6	5	4	87-401	89
CAL	19	G8108xA476	POMPADOUR	6M	37	1	34	65	.	M	.	8	8	6	3	87-402	
CAL	20	G5701xBAT1276	NIMA	6M	35	1	35	65	.	M	.	2	7	7	3	87-403	
CAL	21	A192xBAT1274	CALIMA	6M	43	1	35	67	3	M	8	8	7	6	4	87-404	
CAL	22	G21720xA487	CALIMA	6M	45	2	35	67	3	M	8	8	5	7	3	87-405	89
CAL	23	XAN42xG13922	CALIMA	6M	45	1	33	67	4	M	8	8	6	6	3	87-406	89
CAL	24	G21720xA487	GUALI	6M	45	21	33	67	.	M	.	8	7	7	2	87-407	
CAL	25	G14016xG6416	FRIJOLICA P11	7M	38	1	36	71	.	N	.	3	7	6	3	87-408	
CAL	26	G14016xG6416	FRIJOLICA P11	7M	40	1	36	71	3	N	8	5	6	6	3	87-409	89
CAL	27	G14016xG6416	FRIJOLICA P11	7M	42	1	36	71	6	N	8	4	6	6	4	87-410	89
CAL	28	G14016xG6416	FRIJOLICA P11	7M	42	1	36	71	.	N	.	4	7	6	3	87-411	
CAL	29	G14016xG6415	FRIJOLICA P11	7M	43	1	33	67	.	N	.	2	7	7	3	87-412	89
CAL	30	G5701xBAT1276	FRIJOLICA P11	7M	42	1	36	69	3	N	8	4	6	7	4	87-413	89
CAL	31	G5701xBAT1276	FRIJOLICA P11	7M	42	1	36	71	.	N	.	3	7	6	3	87-414	
CAL	32	G5701xBAT1276	FRIJOLICA P11	7M	39	1	35	71	3	N	8	4	6	6	4	87-415	89
CAL	33	G5701xBAT1276	FRIJOLICA P11	7M	41	1	36	71	3	N	8	3	6	6	5	87-416	89
CAL	34	G5701xBAT1276	FRIJOLICA P11	7M	42	1	36	71	3	N	8	3	6	6	4	87-417	89
CAL	35	A192xBAT1274	GUALI	7M	44	2B	35	66	.	M	.	6	7	7	4	87-418	
CAL	36	G5701xBAT1276	FRIJOLICA P11	7M	39	1	36	69	3	N	8	2	6	7	4	87-419	89
CAL	37	G5701xBAT1276	FRIJOLICA P11	7M	40	1	36	69	3	N	8	3	6	7	4	87-420	89
CAL	38	G5701xBAT1276	FRIJOLICA P11	7M	42	1	36	71	3	N	8	3	6	6	4	87-421	89
CAL	39	G5701xBAT1276	FRIJOLICA P11	7M	42	1	37	71	.	N	.	2	7	7	3	87-422	89
CAL	40	G5701xBAT1276	FRIJOLICA P11	7M	41	1	37	69	.	N	.	2	7	7	4	87-423	89
CAL	41	G5701xBAT1276	FRIJOLICA P11	7M	40	1	37	72	.	N	.	2	7	6	3	87-424	89
CAL	42	A192xBAT1276	FRIJOLICA P11	7M	37	1	35	67	.	N	.	2	7	6	4	87-425	89
CAL	43	A192xBAT1276	FRIJOLICA P11	7M	39	1	35	67	.	N	.	3	7	7	3	87-426	
CAL	44	A192xBAT1276	FRIJOLICA P11	7M	40	1	35	67	.	N	.	2	6	6	4	87-427	89
CAL	45	A192xBAT1276	FRIJOLICA P11	7M	38	1	34	66	.	N	.	1	7	7	3	87-428	89
CAL	46	A192xBAT1276	FRIJOLICA P11	7M	33	1	37	67	.	N	.	8	7	7	3	87-429	
CAL	47	XAN42xBAT1276	FRIJOLICA P11	7M	38	1	37	67	.	N	.	5	7	5	4	87-430	89
CAL	48	XAN42xG13922	FRIJOLICA P11	7M	49	1	37	68	.	N	.	5	7	7	4	87-431	
CAL	49	XAN42xG13922	FRIJOLICA P11	7M	39	1	36	68	3	N	8	4	6	7	3	87-432	89
CAL	50	XAN42xG13922	FRIJOLICA P11	7M	37	1	35	68	.	N	.	6	7	6	3	87-433	
CAL	51	XAN42xG13922	FRIJOLICA P11	7M	34	1	34	68	3	N	8	3	7	6	4	87-434	
CAL	52	XAN42xG13922	FRIJOLICA P11	7M	37	1	34	68	.	N	.	2	7	6	3	87-435	
CAL	53	G14016xG6416	FRIJOLICA P11	7M	41	1	36	71	3	N	8	5	7	7	3	87-436	
CAL	54	G14016xG6416	FRIJOLICA P11	7M	42	1	36	71	3	N	8	6	5	5	4	87-437	89
CAL	55	G6499xA191	FRIJOLICA P11	7M	45	1	37	71	3	N	8	6	5	5	4	87-438	89
CAL	56	A192xBAT1276	FRIJOLICA P11	7M	42	1	37	71	3	N	8	7	6	7	4	87-439	
CAL	57	A192xBAT1276	FRIJOLICA P11	7M	36	1	35	67	.	N	.	5	7	6	2	87-440	
CAL	58	XAN42xG13922	FRIJOLICA P11	7M	42	1	34	71	3	N	8	8	6	5	4	87-441	
CAL	59	G21720xA191	FRIJOLICA P11	7M	39	1	36	68	3	N	8	2	6	6	4	87-442	
CAL	60	G6499xA191	FRIJOLICA P11	7M	41	1	37	71	.	N	.	3	7	6	3	87-443	
CAL	61	A192xBAT1276	GUALI	7M	40	1	37	69	3	N	8	2	6	6	3	87-444	89
CAL	62	G5701xBAT1276	GUALI	7M	41	1	35	67	3	N	8	5	6	6	3	87-445	89
CAL	63	A192xBAT1276	GUALI	7M	41	1	35	63	.	N	.	3	7	5	3	87-446	
CAL	64	A192xBAT1276	GUALI	7M	45	1	34	69	3	N	8	4	6	6	4	87-447	89
CAL	65	A192xBAT1276	GUALI	7M	49	1	34	69	3	N	8	7	5	7	3	87-448	
CAL	66	A192xBAT1276	GUALI	7M	45	1	34	67	3	N	8	8	6	6	4	87-449	
CAL	67	A192xBAT1276	FRIJOLICA P11	7M	37	1	33	61	3	N	9	2	6	7	4	87-450	
CAL	68	A192xBAT1276	FRIJOLICA P11	7M	39	1	34	61	.	N	.	3	7	7	4	87-451	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to			BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEP Ent	IB YAN
						Fl	Mt	Fot									
CAL 69	A192xBAT1276	FRIJOLICA P11	7M	41	1	35	71	3	N	8	6	5	5	4	87-452		
CAL 70	G6515xBAT1251	GUALI	7M	43	2B	34	67	3	N	8	5	6	5	3	87-453		
CAL 71	G6515xBAT1251	GUALI	7M	44	2B	34	67	3	N	8	4	4	5	3	87-454		
CAL 72	G6617xA117	NIMA	6M	52	2	35	67	.	N	.	6	7	6	2	87-455		
CAL 73	PVA1025xXAN42	FRIJOLICA P11	7M	40	2B	34	68	3	N	8	8	6	7	3	87-456		
CAL 74	S24948xBAT1274	FRIJOLICA P11	7M	43	2	37	73	4	N	8	6	5	7	5	87-457	89	
CAL 75	S24948xBAT1274	FRIJOLICA P11	7M	39	2	37	71	8	N	8	6	6	7	4	87-458	89	
CAL 76	G6515xBAT1251	FRIJOLICA P11	7M	39	2	35	69	.	N	.	7	7	6	4	87-459		
CAL 77	G6515xBAT1251	POMPADOUR	7M	39	2	35	67	3	N	7	8	7	6	4	87-460	89	
CAL 78	PVA1028xXAN42	FRIJOLICA P11	7M	33	2	34	65	4	N	8	5	6	5	5	87-461		
CAL 79	PVA1028xXAN42	FRIJOLICA P11	7M	32	2B	34	65	3	N	8	7	6	5	4	87-462		
CAL 80	PVA1028xXAN42	FRIJOLICA P11	7M	36	2	35	65	3	N	8	7	7	6	3	87-463		
CAL 81	G11826xBAT1274		7M	44	2	35	67	.	N	.	6	7	6	3	87-464		
CAL 82	A189xBAT1274		7M	52	2	35	67	.	N	.	6	7	6	3	87-465		
CAL 83	G24214xG13922	GUALI	7M	37	2B	33	67	.	N	.	4	7	5	4	87-466		
CAL 84	G11826xBAT1274	GUALI	7M	40	2A	35	67	.	N	.	7	7	5	3	87-467		
CAL 85	G515xPVA1267	CALIMA	6M	44	2A	33	72	5	M	8	4	5	5	5	88-456		
CAL 86	G21720xG23411	CALIMA	6M	50	1	34	76	.	M	8	7	5	5	4	88-457		
CAL 87	G21720xG23411	CALIMA	6M	50	1	33	76	.	M	8	7	6	5	4	88-458		
CAL 88	G23411xA36	CALIMA	6M	49	2A	34	80	.	M	8	6	5	5	4	88-459		
CAL 89	G23411xA36	CALIMA	6M	48	2A	37	80	8	M	8	3	7	6	4	88-460		
CAL 90	G21720xG23411	CALIMA	6M	52	1	33	74	.	M	8	8	6	4	4	88-461		
CAL 91	(G8108xT3)x(G8108xA485)	CALIMA	6M	49	1	32	74	.	M	8	8	7	4	5	88-462		
CAL 92	(KABANYOLOxG24216)x(G8108xBAT1641)	CALIMA	6M	43	1	33	72	.	M	9	8	6	6	4	88-463		
CAL 93	ICA15423xA129	CALIMA	6M	52	1	32	70	.	M	8	8	6	5	3	88-464		
CAL 94	PAD29xLIMONE#0-3	CALIMA	6M	49	1	34	76	.	M	8	8	6	5	3	88-465		
CAL 95	CALIMA-2xARGENTINO1	CALIMA	6M	57	1	32	72	.	M	8	8	5	5	4	88-466		
CAL 96	CALIMA-2xARGENTINO1	CALIMA	6M	58	1	32	72	.	M	8	8	6	6	3	88-467		
CAL 97	CALIMA-2xARGENTINO1	CALIMA	6M	58	1	32	72	.	M	8	8	7	6	5	88-468		
CAL 98	PAD29xLIMONE#0-3	CALIMA	6M	49	1	34	76	.	M	8	8	6	5	4	88-469		
CAL 99	(G8108xS24952)x(G6515xBAT1209)	CALIMA	6M	42	1	32	65	4	M	8	3	7	5	3	88-470		
CAL 100	(G8108xS24952)x(G6515xBAT1209)	CALIMA	6M	41	1	32	65	4	M	8	2	7	6	3	88-471		
CAL 101	(G8108xS24952)x(G6515xBAT1209)	CALIMA	6M	41	1	32	65	3	M	8	2	7	4	3	88-472		
CAL 102	G8043xBAT1673	CALIMA	6M	49	1	36	80	8	N	8	4	5	5	4	88-473		
CAL 103	G6617xA191	CALIMA	6M	45	1	32	72	4	N	8	3	5	6	5	88-474		
CAL 104	G6617xA191	CALIMA	6M	51	2B	36	76	8	M	8	5	6	6	5	88-475		
CAL 105	A192xBAT1276	NIMA	6M	39	1	39	66	.	M	.	5	6	6	3	89-345		
CAL 106	A192xBAT1276	NIMA	6M	40	1	39	67	.	M	.	5	.	6	4	89-346		
CAL 107	(G12516xG7385)x(G12516xG8152)	TUNDAMA	6M	36	.	81	.	.	M	.	5	7	3	6	89-716		
CAL 108	PAD29xNIMA	CALIMA	6M	42	1	32	67	.	M	.	8	.	6	3	89-282		
CAL 109	G23411xBAT1251	CALIMA	6M	44	1	35	66	.	M	.	7	.	7	2	89-275		
CAL 110	G23411xBAT1251	CALIMA	6M	45	1	35	66	.	M	.	7	.	7	3	89-273		
CAL 111	G23411xBAT1251	CALIMA	6M	45	1	34	66	.	M	.	6	.	7	2	89-274		
CAL 112	LIMONE#0-1xPVA773	CALIMA	6M	49	1	35	66	.	M	.	5	6	7	7	89-272		
CAL 113	LIMONE#0-1xPVA773	CALIMA	6M	46	1	33	62	.	M	.	2	6	7	3	89-276		
CAL 114	LIMONE#0-1xPVA773	CALIMA	6M	46	1	33	62	.	M	.	5	6	7	4	89-277		
CAL 115	LIMONE#0-1xPVA773	CALIMA	6M	43	1	33	61	.	M	.	3	5	7	6	89-278		
CAL 116	PVA1438xA486	CALIMA	6M	53	1	31	62	.	M	.	7	.	7	3	89-279		
CAL 117	G23411xA197	CALIMA	6M	51	1	35	66	.	M	.	8	.	7	3	89-280		
CAL 118	AFR86xAND265	CALIMA	6M	44	1	32	68	.	M	.	6	7	6	5	90-257		
CAL 119	PAD6xAND342	CALIMA	6M	41	1	35	71	8	N	.	4	5	5	7	90-258		
CAL 120	AND276xAND327	CALIMA	6M	41	1	35	70	8	M	.	2	6	5	3	90-259		
CAL 121	AND276xAND327	CALIMA	6M	37	1	35	66	4	M	.	1	6	5	4	90-260		
CAL 122	AND276xAND327	CALIMA	6M	43	1	35	69	4	M	.	3	5	4	7	90-261		
CAL 123	(PVA782xA242)x(PVA1438xMCD251)	CALIMA	6M	54	1	35	72	8	M	.	1	5	5	7	90-262		
CAL 124	LIMONE#0-1xPVA773	CALIMA	6M	44	1	35	72	6	M	.	2	6	5	7	90-263		

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
CAL 125	LIMONE#O-1xPVA773	CALIMA	6M	40	1	34	69	6	M	.	3	6	4	7	90-264	
CAL 126	(CALIMA-1xARGENTINO2)x(G14013xG5683)	CALIMA	6M	46	1	35	75	8	M	.	5	6	6	7	90-265	
CAL 127	(PVA1437xPVA1193)x(PVA1436xPAI92)	CALIMA	6M	33	1	32	66	.	M	.	6	6	4	7	90-266	
CAL 128	PVA1438xA486	CALIMA	6M	50	1	32	69	4	M	.	5	6	4	5	90-267	
CAL 129	PAD29xLIMONE#O-1	CALIMA	6M	40	1	34	71	6	M	.	5	6	4	5	90-268	
CAL 130	CALIMAx(CALIMAx(CALIMAxG12862B))	CALIMA	6M	35	1	32	75	.	M	.	6	7	5	6	90-269	
CAL 131	CALIMAx(CALIMAx(CALIMAxG12862B))	CALIMA	6M	46	1	33	75	5	M	.	4	7	5	6	90-270	
CAL 132	A484xG18460	CALIMA	6M	41	2	45	113	.	M	.	6	6	5	7	90-614	
CAL 133	AFR242xPVA1384	CALIMA	6M	49	2A	38	68	.	M	.	4	6	5	3	91-164	
CAL 134	AFR242xPVA1384	CALIMA	6M	43	2B	38	71	.	M	.	4	6	5	4	91-165	
CAL 135	AFR243xAND628	CITARA	6M	39	2B	38	69	.	M	.	1	6	5	3	91-271	
CAL 136	AFR242xPVA1384	CALIMA	6M	48	2B	38	69	.	M	.	4	6	5	4	91-166	
CAL 137	AFR242xPVA1384	CALIMA	6M	55	2B	38	70	.	M	.	6	6	6	3	91-167	
CAL 138	PVA1384xCAL22	CALIMA	6M	49	2B	38	68	.	M	.	4	5	8	3	91-168	
CAL 139	PVA1384xCAL22	CALIMA	6M	46	2B	38	69	.	M	.	6	6	7	3	91-169	
CAL 140	A36xSUG12	CALIMA	6M	50	2B	38	71	.	M	.	2	7	8	4	91-170	
CAL 141	AFR242xPVA1384	CALIMA	6M	48	2B	38	71	.	M	.	4	6	8	3	91-171	
CAL 142	AFR242xPVA1384	CALIMA	6M	50	2B	38	71	.	M	.	4	6	8	4	91-172	
CAL 143	BOLAxAND277	CALIMA	6M	39	1	38	72	.	M	.	1	5	6	6	91-173	
CAL 144	BAT1386xG20554	CITARA	7M	38	1	38	70	.	M	.	3	6	7	3	91-342	
CAL 145	PVA1384xCAL22	CALIMA	6M	42	2B	34	67	.	M	.	1	6	7	3	92-395	
CAL 146	AFR242x(WAF22xAFR242)	CALIMA	6M	51	2B	33	67	.	M	.	1	4	7	3	92-396	
CAL 147	CAL105x(CALIMAxDNTIMOT314)	CALIMA	6M	42	1	30	72	.	M	.	1	7	5	4	92-397	
CAL 148	CAL105x(CALIMAxDNTIMOT314)	CALIMA	6M	43	1	34	72	.	M	.	1	6	4	2	92-398	
CAL 149	A192x(SUG26xCAL82)	CITARA	6M	40	2A	35	71	3	M	.	1	5	5	3	92-512	
CAL 150	WAF35xAFR301	CALIMA	6M	52	1	32	72	.	M	.	1	5	6	3	92-399	
CAL 151	G4435xBAT1386	CALIMA	6M	37	1	31	66	.	M	.	1	6	3	3	92-400	
CAL 152	DRK9xAFR461	CALIMA	6M	34	1	34	66	.	N	.	2	5	4	3	92-401	
CAL 153	PAD123x(AND618xCAL105)	CALIMA	6M	53	1A	33	77	.	N	.	1	5	7	5	93-225	
CAL 154	ICAL64xAND697	CALIMA	6M	50	2B	34	77	.	M	.	3	5	4	5	93-226	
CAL 155	ICAL64xAND697	CALIMA	6M	50	2B	34	77	.	M	.	6	6	4	4	93-227	
CAL 156	ICAL64xAND697	CALIMA	6M	49	3	34	77	.	M	.	2	7	4	4	93-228	
CAL 157	AFR242xMAM16	CALIMA	6M	53	3	34	79	.	M	.	4	5	6	4	93-229	
CAL 158	CAL22x(DRK9xG14016)	CALIMA	6M	.	.	51	96	.	M	.	6	5	5	3	93-711	
CAL 159	AND628x(AND628xA629)	CALIMA	6M	44	1	32	68	.	M	.	5	6	5	3	93-230	
CAN 1	BAT841x(G6401x(G5704xSEL119))		3	25	3B	39	77	.	N	9	2	6	6	5	83-997	
CAN 2	BAT93x(G4523xSEL122)			.	.	.	.	.	N	.	.	.	.	.	.
CAN 3	BAT93x(G4523xSEL122)		3	22	2B	39	75	.	N	9	6	7	7	1	83-902	
CAN 4	BAT883xG5707		3	16	1	42	82	.	N	9	7	7	3	1	83-878	
CAN 5	BAT883xG5707		3	19	1	40	75	.	N	9	7	8	5	1	83-879	
CAN 6	BAT883xG5707		3	19	1	39	82	.	N	9	8	7	3	1	83-880	
CAN 7	BAT883xG5707		3	15	2A	40	85	.	N	9	8	7	5	1	83-890	
CAN 8	G14024xBAT1230		3	20	1	32	82	.	N	9	4	8	5	1	83-881	
CAN 9	BAT93x(G4523xSEL122)			.	.	.	.	.	N	.	.	.	.	.	.
CAN 10	BAT883xG5707		3	16	1	42	82	.	N	9	9	8	4	5	83-882	
CAN 11	BAT883xG5707		3	15	1	38	85	.	N	9	8	7	2	1	83-883	
CAN 12	BAT93x(G4523xSEL122)		3	19	2A	41	82	.	N	9	4	6	4	1	83-891	
CAN 13	BAT841x(G6401x(G5704xSEL119))		3	21	3A	39	82	.	N	9	1	6	7	5	83-919	
CAN 14	BAT1225xBAT93		3	23	3A	38	73	.	N	9	4	7	5	5	83-920	
CAN 15	G5658xBAT1230	AZUFRAO	3	20	.	44	77	.	N	8	5	8	5	5	84-515	
CAN 16	G5658xBAT1230	AZUFRAO	3	26	.	44	79	.	N	8	6	9	5	3	84-516	
CAN 17	BAT1324xBAT1344	CANARIO	3	34	1	50	87	.	N	7	9	7	3	3	84-517	
CAN 18	SEL173xBAT41	CANARIO	3	21	2A	47	86	.	N	7	5	8	6	5	84-518	
CAN 19	SEL173xBAT41	CANARIO	3	27	2	43	83	.	N	7	5	7	5	5	84-519	
CAN 20	BAT1225xG6401	CANARIO	3	35	3	49	87	2	N	7	4	8	5	7	84-520	86
CAN 21	G14024xBAT1230	AZUFRAO	3	25	1	43	78	.	N	8	4	7	5	3	84-521	

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF		IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV							Ent	YAN	
CAN	22	BAT883xG5707	CANARIO	3	23	1	52	87	.	N	8	7	8	5	3	84	522	
CAN	23	G5658xBAT1230	AZUFRAO	3	26	1	42	77	.	N	8	8	9	5	3	84	523	
CAN	24	G13094xBAT1230	CANARIO	3	28	1	42	78	.	N	8	7	8	5	5	84	524	
CAN	25	G5896xBAT1230	CANARIO	3	30	1	43	85	.	N	7	4	8	6	5	84	525	
CAN	26	G5896xBAT1230	CANARIO	3	32	1	42	85	.	N	7	3	8	7	3	84	526	
CAN	27	BAT1324xBAT1222	CANARIO	3	38	1	42	79	3	N	8	7	7	5	3	84	527	86
CAN	28	G14024xBAT1230	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	29	BAT1696xBAT1710	CANARIO	3	24	1	35	75	.	N	6	7	9	6	5	85	662	
CAN	30	MOC2xG17713	BAYO ANDINO	3	38	2	40	66	1	N	9	4	7	7	4	85	663	
CAN	31	MOC2xG17707	BAYO ANDINO	3	17	2	40	67	1	N	9	3	8	8	4	85	664	
CAN	32	BAT1308xBAT417	.	2	23	1	41	78	.	M	9	5	9	6	6	85	665	
CAN	33	G5707xBAT1722	.	2	33	1	35	73	1	M	9	7	9	6	4	85	666	
CAN	34	G5707xBAT1722	.	2	32	1	34	74	.	M	9	8	8	7	5	85	667	
CAN	35	G13567xG17668	.	2	.	2B	36	73	.	N	6	9	9	5	3	85	668	
CAN	36	G13567xG17668	.	2	36	2A	37	73	.	N	8	6	9	6	5	85	669	
CAN	37	G13094xBAT1230	.	2	18	1	32	72	.	M	6	6	7	4	3	85	670	
CAN	38	BAT882xG5704	.	2	15	2B	41	75	2	M	9	7	9	6	7	85	671	
CAN	39	G6402xBAT1225	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
CAN	40	G13567xG17668	CANARIO	3	31	2A	40	72	1	N	9	7	7	6	4	86	607	
CAN	41	G13567xG17668	CANARIO	3	40	2A	35	71	.	N	9	7	6	5	4	86	792	
CAN	42	G13567xG17668	CANARIO	3	29	1	41	72	1	N	9	8	7	6	5	86	608	
CAN	43	BAT1324xG17668	CANARIO	3	29	2B	39	70	.	N	9	8	7	6	4	86	609	
CAN	44	G5707xBAT1230	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	45	G14024xBAT1230	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	46	G13567xG17668	CANARIO	3	32	2	32	65	1	N	9	9	7	7	3	87	333	89
CAN	47	G13567xG17668	CANARIO	3	36	2	35	67	1	N	9	9	7	7	2	87	334	89
CAN	48	G13567xG17668	CANARIO	3	34	2	34	67	1	N	9	9	6	7	6	87	335	
CAN	49	G13567xG17668	CANARIO	3	36	2	34	65	1	N	9	9	8	7	3	87	336	89
CAN	50	BAT883xG5707	.	8	24	2A	37	73	3	N	9	8	6	6	5	87	337	
CAN	51	A176xG11891	CANARIO	3	25	1	34	71	.	N	.	8	7	7	5	87	338	
CAN	52	IN96x(IN96x(IN96xSEL744))	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	53	G18346xCAN20	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	54	G18346xCAN20	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	55	G18346xCAN20	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	56	G18346xCAN20	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	57	G18346xCAN20	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	58	G18344xCAN20	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	59	G18343xCAN21	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	60	BAT1673xG13094	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	61	G17668x(SEL374xG13568)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	62	G76x(SEL374xG13568)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	63	DOR303xA174	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	64	G13568x(CAN20xBAT1579)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	65	G13568x(CAN20xBAT1579)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	66	G5273x(SEL380xG13568)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	67	G13568x(CAN20xBAT1579)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	68	G17718xBAT1232	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	69	BAT1673xG5273	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	70	BAT1673xG13094	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN	71	G13568x(CAN20xBAT1579)	CANARIO	3	27	1	38	67	.	N-M	.	8	.	7	5	89	189	
CAN	72	A506xMOC7	CANARIO	3	31	1	32	67	.	M	.	7	.	8	4	89	190	
CAN	73	BAT1673xG5273	CANARIO	3	34	1	30	61	.	N	.	8	.	8	4	89	191	
CAN	74	G13568x(CAN20xBAT1579)	CANARIO	3	26	1	35	63	.	N	.	7	5	8	4	89	192	
CAN	75	SEL392xG13094	CANARIO	3	32	1	35	63	.	M	.	7	.	8	3	89	193	
CAN	76	CAN45x(BAN21xG13094)	AZUFRAO	3	31	1	30	64	.	N	.	7	5	8	3	89	182	
CAN	77	G5659xSEL738	JALO/MANTECA	3	38	1	30	61	.	N	.	7	4	7	6	89	210	

Line	Cross	Cult. type	Seed			Days to					Rust	Yr	VEF Ent	IB YAN		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp					Ant	CBB	ALS
CAN 78	G5659xSEL738	JALO/MANTECA	3	29	1	30	59	.	N	.	7	4	7	7	89-211	
CAN 79	G11891xSEL770	CANARIO	3	37	1	33	66	.	N	.	8	.	8	4	89-194	
CAN 80	CAN36xG5659	CANARIO	3	33	2B	34	61	.	N	.	7	5	7	5	89-201	
CAN 81	CAN36xG5659	CANARIO	3	31	2A	34	61	.	N	.	6	5	8	6	89-200	
CAN 82	CAN36xG5659	CANARIO	3	34	2A	34	61	.	M-N	.	7	.	8	4	89-199	
CAN 83	CAN47xG5707	CANARIO	3	39	2A	35	93	.	N	.	7	6	8	3	89-195	
CAN 84	CAN47xG5707	CANARIO	3	39	1	37	68	.	N-M	.	7	.	8	4	89-196	
CAN 85	CAN47xG5707	CANARIO	3	38	1	37	67	.	M-N	.	8	.	8	3	89-197	
CAN 86	CAN47xG5707	CANARIO	3	38	3	35	62	.	N M	.	7	.	8	5	89-198	
CAN 87	G18259xCAN46	JALO/MANTECA	3	42	1	32	61	.	N	.	8	6	7	6	89-207	
CAN 88	G18259xCAN46	JALO/MANTECA	3	48	1	31	62	.	N	.	9	.	8	5	89-212	
CAN 89	G18259xCAN46	JALO/MANTECA	3	47	1	32	61	.	N	.	9	.	8	3	89-213	
CAN 90	G18259xCAN46	JALO/MANTECA	3	44	1	30	61	.	N	.	9	.	7	5	89-208	
CAN 91	G18259xCAN46	JALO/MANTECA	3	44	1	30	61	.	N	.	9	.	7	3	89-209	
CAN 92	A506xMOC7	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN 93	G13094x (SEL380xG13568)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN 94	CAN16x (G5659xSEL738)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN 95	G22228xG5847	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN 96	CAN21xG13094	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN 97	IN96x (IN96x (IN96xSEL744) )	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN 98	IN96x (IN96x (IN96xSEL744) )	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN 99	IN96x (IN96x (IN96xSEL744) )	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
CAN 100	CAN47xG5707	CANARIO	3	36	1	33	72	.	N	.	5	7	7	3	92-279	
CAN 101	CAN47xG5707	CANARIO	3	36	1	30	68	.	N	.	6	7	7	3	92-280	
CAN 102	G11891x (G11891xSEL770)	CANARIO	3	34	1	30	69	.	N	.	8	8	7	2	92-281	
CAN 103	G5147xSEL972	CANARIO	3	40	2B	35	72	.	N	.	7	7	7	3	92-282	
CAN 104	G5147xSEL972	CANARIO	3	34	2B	34	73	.	N	.	8	8	7	2	92-283	
CAN 105	SUG30xSEL972	JALO/MANTECA	3	32	2A	34	72	.	N	.	8	7	8	3	92-330	
CAN 106	CAN93xG5147	JALO/MANTECA	3	33	1	31	69	.	N	.	4	6	7	3	92-331	
CAN 107	CAN77xG22225	CANARIO	3	29	2A	34	78	.	N	.	5	7	7	3	92-284	
CAN 108	CAN77xG22225	CANARIO	3	30	2A	33	69	.	N	.	3	8	7	3	92-285	
CAN 109	CAN77xG22225	CANARIO	3	34	1	30	72	.	N	.	5	8	5	3	92-286	
CAN 110	SEL972xG22229	CANARIO	3	32	1	30	74	.	N	.	7	7	6	2	92-287	
CAN 111	SEL972xG22225	CANARIO	3	36	2A	33	71	.	N	.	6	8	7	3	92-288	
CAN 112	SEL972xAND370	JALO/MANTECA	3	38	1	30	72	.	N	.	6	8	7	3	92-332	
CAN 113	SEL972xAND370	CANARIO	3	39	1	30	73	.	N	.	5	8	7	3	92-289	
CAN 114	SEL1039xG6507	JALO/MANTECA	3	43	2B	38	78	.	N	.	6	6	7	3	92-333	
CAN 115	SEL1039xG6507	CANARIO	3	36	2B	34	72	.	N	.	1	7	7	3	92-290	
CAN 116	CAN36xG11826	CANARIO	3	42	2A	35	75	.	N	.	1	6	6	3	92-291	
CAN 117	CAN36xG11826	JALO/MANTECA	3	45	2B	34	70	.	N	.	7	7	7	2	92-334	
CAN 118	CAN36xG6500	GARBANCILLO	3	35	2A	38	73	.	N	.	8	6	7	3	92-350	
CAN 119	CAN36xG6500	GARBANCILLO	3	33	2A	38	72	8	N	.	7	6	7	3	92-351	
CAN 120	CAN36xG6500	CANARIO	3	40	2A	33	69	.	N	.	3	6	6	3	92-292	
CAN 121	CAN36xG6500	JALO/MANTECA	3	46	2A	36	70	.	N	.	4	7	6	3	92-335	
CAN 122	G5658xSEL1098	JALO/MANTECA	3	41	1	30	66	.	N	.	1	7	7	3	92-336	
CAN 123	G5658xSEL1100	JALO/MANTECA	3	40	1	30	66	.	N	.	1	7	7	2	92-337	
CAN 124	G5658xSEL1102	JALO/MANTECA	3	40	1	30	66	.	N	.	1	7	7	3	92-338	
CAN 125	G13094xSEL1108	CANARIO	3	34	1	32	69	.	N	.	5	8	7	2	92-293	
CAN 126	G13094xSEL1108	CANARIO	3	31	1	31	66	.	N	.	7	8	7	2	92-294	
CAN 127	G13094xSEL1265	CANARIO	3	35	1	31	66	.	N-M	.	7	8	7	3	92-295	
CAN 128	G18269xSEL1264	JALO/MANTECA	3	41	1	30	66	.	N	.	3	7	7	2	92-339	
CAN 129	G18269xSEL1266	JALO/MANTECA	3	40	1	30	65	.	N	.	1	7	7	3	92-340	
CAN 130	CAN71xCAN79	CANARIO	3	36	1	31	74	.	N	.	6	7	7	3	92-296	
CAN 131	CAN71xCAN79	CANARIO	3	29	1	30	69	.	N	.	6	7	7	3	92-297	
CAN 132	CAN71xCAN79	CANARIO	3	33	1	34	68	.	N	.	7	8	7	3	92-298	
CAN 133	CAN71xCAN79	CANARIO	3	27	1	31	73	.	N	.	6	6	7	3	92-299	

Line	Cross	Cult. type	Seed		Days to						VEF	IB				
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
CAN 134	CAN71xCAN79	CANARIO	3	32	1	34	75	.	N	.	6	7	7	3	92-300	
CAN 135	CAN71xCAN79	CANARIO	3	33	1	33	70	.	N	.	6	7	7	3	92-301	
CAN 136	CAN71xCAN79	CANARIO	3	36	1	34	78	.	N	.	4	7	7	4	92-302	
CAP 1	84-VA-909xPAD2	CANARIO	3	35	2B	34	62	.	N	.	4	6	7	7	89-183	
CAP 2	BAT841xBAT1274	AZUFRAADO	3	25	3	34	66	.	N	.	2	5	7	4	89-180	
CAP 3	84-VA-909xPAD2	CANARIO	3	36	1	26	60	.	N	.	3	5	7	5	89-184	
CAP 4	BAT841xBAT1274	AZUFRAADO	3	26	3	34	67	.	N	.	2	6	8	4	89-181	
CAP 5	G5707xMCD255	CANARIO	3	29	1	39	70	.	N	.	6	.	7	5	89-185	
CAP 6	84-VA-909x84-VA-1176	BAYO ANDINO	2	40	2A	31	73	1	N	.	6	6	7	4	90-28	
CAP 7	84-VA-909xPAD2	CANARIO	3	37	1	32	69	2	N	.	2	7	6	6	90-164	
CAP 8	G5707xMCD255	CANARIO	3	34	1	38	.	.	N	.	7	6	6	7	90-165	
CAP 9	84-VA-909xPAD2	CANARIO	3	35	2B	35	72	2	N	.	5	6	6	6	90-163	
CAP 10	MAYOCOBAX(CALIMAXDNTIMOT292)	CANARIO	3	38	1	29	69	.	M	.	1	7	7	3	92-303	
CAP 11	MAYOCOBAXIVT870002	CANARIO	3	31	1	31	66	.	M	.	7	8	7	2	92-304	
CAP 12	CANARDIVEX((CANARDIVEXxPVA992)xCANARDIVEX)	CANARIO	3	30	1	33	79	.	N	.	7	7	7	3	92-305	
CAP 13	CIFAC87119x(MAM16xDRK9)	CANARIO	3	38	3	37	89	.	N-M	.	1	6	4	4	93-181	
CAP 14	CIFAC87119x(MAM16xDRK9)	CANARIO	3	28	1A	38	85	.	N	.	7	7	7	6	93-182	
CAP 15	CIFAC87119x(MAM16xDRK9)	CANARIO	3	31	2A	39	89	.	N	.	4	5	5	4	93-183	
CAP 16	CIFAC87119x(ABAS3xMAM16)	CANARIO	3	36	3	38	85	.	N	.	1	6	4	4	93-184	
CAP 17	AFR372xCIFAC87005	JALO/MANTECA	3	46	1	34	79	.	M	.	7	6	5	4	93-185	
CAP 18	AFR372xCIFAC87005	JALO/MANTECA	3	44	1A	37	85	.	M	.	7	5	5	3	93-186	
CAR 1	G5702xG3366	CARGAMANTO	2M	44	4	64	138	8	M	8	3	6	6	3	87-583	
CAR 2	G5702xG2641	CARGAMANTO	2M	47	4	59	147	8	M	9	4	7	3	4	87-584	
CAR 3	G11821xG12488	CARGAMANTO	2M	45	4	68	139	8	M	8	2	6	6	3	87-585	
CAR 4	G5702xG5745	CARGAMANTO	2M	63	4	64	119	8	M	8	5	7	5	2	87-586	
CAR 5	G5702xG5745	CARGAMANTO	2M	58	4	64	119	8	M	8	2	7	6	2	87-587	
CAR 6	MEXICO235xG11818	CARGAMANTO	2M	55	4	68	128	.	M	.	4	6	2	2	87-588	
CAR 7	G3805xG11818	CARGAMANTO	2M	66	4	68	124	8	M	9	5	7	6	3	87-589	
CAR 8	ANTIOQUIA37xG11818	CARGAMANTO	2M	56	4	65	131	8	M	9	2	6	6	4	87-590	
CAR 9	G3805xG11818	CRANBERRY	2M	69	4	69	124	8	M	9	4	6	7	4	87-591	
CAR 10	G12722xBAT1276	CRANBERRY	2M	63	4A	64	119	8	N	8	6	6	3	2	87-592	
CAR 11	(G12666xBAT841)x(G4727xG4017)	ESTRADA	5M	58	4B	69	124	8	N	9	8	7	6	3	87-624	
CAR 12	G12722xBAT1276	CRANBERRY	2M	62	4A	62	120	.	M	.	7	5	2	2	87-593	
CAR 13	G12488xBAT1274	CRANBERRY	2M	51	4A	56	115	.	N	.	7	5	3	2	87-594	
CAR 14	(G11819xVII14727)x(G11819xV79017)	CARGAMANTO	2M	54	4A	63	128	8	M	8	4	5	7	4	87-595	
CAR 15	G12720x(G12720xV79020)	CARGAMANTO	2M	45	4B	74	142	8	M	9	3	6	7	4	87-596	
CAR 16	(G11819xG12488)x(G11819xV79020)	CARGAMANTO	2M	50	4B	64	127	.	M	.	7	4	2	2	87-597	
CAR 17	G11819x(G11819xV80045)	CARGAMANTO	2M	52	4A	62	119	.	M	.	1	5	3	2	87-598	
CAR 18	G11819x(G11819xV80045)	CARGAMANTO	2M	60	4B	72	138	.	M	.	1	5	4	3	87-599	
CAR 19	G12722xBAT1276	CRANBERRY	2M	64	4A	63	120	8	N	8	3	7	5	3	87-600	
CAR 20	G12722xV79018	LLANOGRANDE	2M	39	4A	62	124	8	N	8	1	7	5	3	87-601	
CAR 21	(G11819xVII14727)x(G11819xV79017)	LLANOGRANDE	2M	44	4A	69	139	8	N	8	1	7	7	4	87-602	
CAR 22	G11821xG12488	CARGAMANTO	2M	39	4A	45	116	.	M	8	3	5	7	4	88-988	
CAR 23	G11821xG12488	CARGAMANTO	2M	41	4B	45	126	.	M	8	1	5	7	3	88-989	
CAR 24	G11821xG12488	CRANBERRY	2M	33	4A	45	116	.	M	9	2	7	6	2	88-1015	
CAR 25	DESCONOCIDO	CARGAMANTO	2M	43	4B	45	116	.	M	8	2	6	7	4	88-990	
CAR 26	DESCONOCIDO	CARGAMANTO	2M	38	4B	45	116	.	M	8	1	6	7	3	88-991	
CAR 27	DESCONOCIDO	CRANBERRY	2M	38	4A	45	.	.	M	9	2	7	7	2	88-1016	
CAR 28	G15840xBAT1274	CARGAMANTO	2M	55	.	81	.	.	M-N	.	1	3	7	4	89-834	
CAR 29	(G11819xVII14727)x(G11819xV79017)	SUGAR	2M	50	.	81	.	.	M	.	4	3	5	7	89-845	
CAR 30	A322xG12307	CARGAMANTO	2M	55	.	93	.	.	N	.	3	4	6	6	89-831	
CAR 31	G12666xG13922	CARGAMANTO	2M	61	.	81	.	.	M	.	1	6	7	7	89-832	
CAR 32	VR81054xG12275	CARGAMANTO	2M	64	.	81	.	.	N	.	3	4	7	7	89-833	
CAR 33	ICA-LS-1xZAV83102	CARGAMANTO	2M	54	4B	67	117	.	M	.	2	6	7	3	90-639	
CAR 34	V80086xICA-LS-1	CARGAMANTO	2M	45	4B	67	117	.	M	.	1	6	6	7	90-640	
CAR 35	ABA44xCAR6	CARGAMANTO	2M	.	.	59	106	.	M	.	1	7	7	5	93-775	

Line	Cross	Cult. type	Seed			Days to					VEF		IB				
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Rmp	Ant	CBB		ALS	Rust	Yr	Ent	YAN
CAR	36	AND477xAND649	CARGAMANTO	2M	.	.	54	101	.	M	.	1	6	5	3	93-795	
CAR	37	AND477xAND649	CARGAMANTO	2M	.	.	57	104	.	M	.	1	7	7	2	93-776	
CAR	38	AND477xAND649	CARGAMANTO	2M	.	.	53	101	.	M	.	1	6	5	2	93-777	
CAR	39	RAD5xAND385	CARGAMANTO	2M	.	.	59	104	.	M	.	1	7	6	3	93-778	
CAR	40	LAS210xAND485	CARGAMANTO	2M	.	.	65	116	.	M	.	1	7	6	6	93-779	
CAR	41	LAS210xAND485	CARGAMANTO	2M	.	.	54	103	.	M	.	1	7	7	4	93-780	
CAR	42	LAS210xAND485	CARGAMANTO	2M	.	.	57	106	.	M	.	1	7	7	4	93-781	
CAR	43	LAS220xAND485	CARGAMANTO	2M	.	.	55	107	.	M	.	1	7	7	3	93-782	
CAR	44	AND477xAND485	CARGAMANTO	2M	.	.	54	104	.	M	.	1	7	7	3	93-783	
CAR	45	AND477xAND485	CARGAMANTO	2M	.	.	54	106	.	M	.	1	7	7	4	93-784	
CAR	46	AND477xAND485	CARGAMANTO	2M	.	.	55	109	.	M	.	1	7	7	4	93-785	
CAR	47	AND477xAND566	CARGAMANTO	2M	.	.	54	98	.	M	.	1	6	7	4	93-786	
CAR	48	AND477xAND566	CARGAMANTO	2M	.	.	55	100	.	M	.	1	7	7	5	93-787	
CAR	49	AND477xAND566	CARGAMANTO	2M	.	.	54	108	.	M	.	1	6	5	4	93-788	
CAR	50	AND477xAND639	CARGAMANTO	2M	.	.	56	104	.	M	.	1	7	7	5	93-789	
COS	1	G5897xG4459	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
COS	2	BAT1225xA176	BICO DE OURO	3	28	3	48	78	.	N	8	8	8	5	7	84-528	
COS	3	BAT1202xBAT1225	.	.	.	.	.	.	2	N	4	7	8	3	7	84-1002	86
COS	4	BAT1225xBAT1254	.	.	.	.	.	.	1	N	5	6	8	6	7	84-1003	86
COS	5	A154xBAT1225	.	.	.	.	.	.	1	N	4	6	8	5	7	84-1004	86
COS	6	G6616xG17668	SUGAR	2M	34	1	33	66	.	N	6	7	8	5	5	85-675	
COS	7	A197xG17668	SUGAR	2M	40	1	33	66	.	N	5	3	7	5	5	85-676	
COS	8	A197xG17668	SUGAR	2M	44	1	35	70	.	N	6	6	9	4	5	85-677	
COS	9	BAT1360xBAT1230	SUGAR	2M	28	2	41	67	.	N	5	4	7	4	5	85-678	87
COS	10	A117xG17668	SUGAR	2M	32	1	33	66	.	N	.	5	9	5	5	85-679	
COS	11	BAT1236xG17668	SUGAR	2M	21	2	35	67	2	N	9	6	8	6	6	85-680	
COS	12	A117xG17668	CRANBERRY	2M	41	1	34	65	.	N	.	6	7	7	6	87-292	
COS	13	A40xG17668	CRANBERRY	2M	29	1	33	62	.	N	.	8	8	8	7	87-293	
COS	14	G18261xPAD2	SUGAR	2M	39	1	31	62	.	N	.	4	5	7	5	89-177	
COS	15	G18261xPAD2	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
COS	16	BAT1387xG17668	CRANBERRY	2M	37	1	34	62	5	N-M	.	6	6	7	7	89-106	
COS	17	AFR247x(SEL973xAFR247)	.	.	.	.	.	.	.	N-M	.	.	.	.	.	.	.
COS	18	G11826x(SEL973xG5167)	CRANBERRY	2M	39	2B	33	71	8	N	.	1	7	7	3	92-202	
COS	19	SEL973x(SEL973xAFR244)	CRANBERRY	2M	33	2B	33	67	8	M	.	1	6	7	3	92-203	
COS	20	SEL985xAFR244	CRANBERRY	2M	40	2B	32	74	8	N-M	.	1	7	6	2	92-204	
COS	21	SEL987xAFR244	CRANBERRY	2M	40	2B	33	71	8	N	.	1	7	7	2	92-205	
COS	22	AFR85x(SEL973xAFR85)	CRANBERRY	2M	40	2B	32	69	4	N	.	1	7	7	2	92-206	
COS	23	AFR85x(SEL973xAFR85)	CRANBERRY	2M	34	2B	33	68	8	N	.	1	7	7	4	92-207	
CTC	1	A375x(A321x(A483xXAN112)F1)F1	TORTOLA	.	32	3	34	72	1	N	.	6	6	6	4	90-161	
CTC	2	(A375xG802)F1x(S28440x(G2333x(...	TORTOLA	.	31	3	35	72	1	N	.	5	6	6	5	90-162	
CVP	1	G24213xG12730	CANARIO	3	35	.	78	.	.	M	.	2	.	8	6	89-854	
CVP	2	G12488xG12207	CANARIO BOLON	3	65	.	109	.	.	M	.	1	.	6	5	89-857	
CVP	3	G12569xG12567	CANARIO	3	36	.	78	.	.	M	.	1	.	8	5	89-855	
CVP	4	G24213xG12730	CANARIO	3	33	.	78	.	.	M-N	.	6	.	8	5	89-856	
CVP	5	G24213xG12730	CANARIO	3	37	.	78	.	.	M-N	.	6	.	8	4	89-853	
CVP	6	SIN19xLIB9	AZUFRAO	3	.	.	59	109	.	M	.	1	7	5	3	93-799	
CVP	7	SIN19xLIB9	CANARIO	3	.	.	57	101	.	M-N	.	3	6	5	4	93-800	
DFA	1	SUG12xPVA1171B	A 21	6	35	2A	34	66	8	N	.	1	6	7	3	92-379	
DFA	2	A36xSUG12	GUALI	7M	46	2B	35	71	8	N	.	1	7	7	3	92-631	
DFA	3	SUG12xCAL71	GUALI	7M	44	2B	34	69	5	M	.	1	6	6	3	92-632	
DFA	4	DRK14xCAL82	DUVA	7M	45	2A	34	68	4	N	.	1	6	5	3	92-629	
DFA	5	AFR243xAND628	GUALI	7M	37	1	30	69	4	N	.	1	6	5	3	92-633	
DFA	6	SUG12xCAL71	POMPADOUR	7M	30	2B	34	68	8	N	.	1	7	5	3	92-646	
DFA	7	PVA1384xPVA800A	ESTRADA	5M	35	2B	34	69	.	N	.	1	6	7	3	92-360	
DFA	8	AFR311xAND628	ESTRADA	5M	37	2B	33	66	.	N	.	1	6	3	3	92-361	
DFA	9	A36xCAL71	GUALI	7M	42	2A	34	69	8	N	.	1	7	7	3	92-634	

Line	Cross	Cult. type	Seed			Days to							VEF	IB					
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN		
DFA	10	AFR242xSUG12	SUGAR	2M	43	2B	33	69	8	N	.	1	7	6	3	92-268			
DFA	11	AND664xG2618	POMPADOUR	6M	31	1	33	68	8	N	.	1	6	4	3	92-497			
DFA	12	A192xZAA105	CALIMA	6M	40	2B	34	72	.	M	.	1	6	5	3	92-402			
DFA	13	CAL106xZAA105	SANGRETORO	6	47	2A	35	70	8	M	.	1	7	4	3	92-557			
DFA	14	DRK24x(AND696xAFR298)	SANGRETORO	6	46	1	33	70	.	M	.	1	7	4	3	93-450			
DFA	15	DRK24x(AND696xAFR298)	SANGRETORO	6	40	1	32	70	.	M	.	1	7	4	3	93-451			
DFA	16	DRK24x(AND660xAFR298)	SANGRETORO	6	47	1	33	82	.	M	.	1	7	7	3	93-452			
DFA	17	PVA800Ax(PVA800AxG2618)	POMPADOUR	7M	38	3	34	89	.	N-M	.	1	7	5	5	93-498			
DFA	18	A192x(A36xCAL71)	CALIMA	6M	48	1	34	77	.	M	.	1	6	.	3	93-231			
DFA	19	A192x(A36xCAL71)	CALIMA	6M	41	2B	34	79	.	M	.	1	6	5	3	93-232			
DFA	20	PVA800AxA445	CARIOCA	2R	24	3	43	89	.	N	.	1	5	5	6	93-107			
DFA	21	PVA800AxA445	CARIOCA	2R	24	3	43	89	.	N	.	2	5	5	7	93-108			
DFA	22	TOSTADOxPVA2324	CALIMA	6M	34	1	39	83	.	N	.	1	5	4	4	93-239			
DFA	23	TOSTADOxPVA2324	GUALI	7M	37	1	38	82	.	N	.	1	6	4	3	93-489			
DFA	24	TOSTADOxPVA2324	GUALI	7M	38	1	38	85	.	N	.	2	5	4	3	93-490			
DFA	25	TOSTADOxPVA2324	GUALI	7M	35	1	38	86	.	N	.	2	6	5	4	93-491			
DFA	26	RAB387xNAINDEKYOND	GREAT NORTHERN	1	24	2B	35	84	.	N	.	5	7	8	3	93-8			
DFA	27	RAB387xNAINDEKYOND	GREAT NORTHERN	1	23	3	38	85	.	N	.	6	7	7	3	93-9			
DFA	28	RAB387xNAINDEKYOND	GREAT NORTHERN	1	24	3	38	89	.	N	.	6	7	8	4	93-10			
DFA	29	RAB387xT3	GREAT NORTHERN	1	21	2B	38	85	.	N	.	6	6	7	5	93-11			
DFA	30	RAB387xT3	GREAT NORTHERN	1	23	3	36	84	.	N	.	5	6	7	5	93-12			
DFA	31	RAB387xT3	GREAT NORTHERN	1	24	3	38	84	.	N	.	3	6	8	5	93-13			
DFA	32	RAB387xT3	GREAT NORTHERN	1	20	3	38	85	.	N	.	5	6	7	4	93-14			
DFA	33	RAB387xT3	GREAT NORTHERN	1	22	3	38	84	.	N	.	2	6	7	4	93-15			
DFA	34	SUG47x(PAT10xARGENTINO)	RADICAL	6	42	2B	34	80	.	M	.	1	5	7	4	93-427			
DFA	35	AFR392x(A410xEMP81)	CARIOCA	2R	32	3	37	85	.	N	.	1	6	7	6	93-109			
DFA	36	SUG60x(DOR335xBAT1373)	PINTO	2R	32	1	38	83	.	M	.	2	7	6	6	93-150			
DFA	37	AFR392x(CARIOCAxEMP81)	CARIOCA	2R	29	3	40	88	.	N	.	1	5	5	5	93-110			
DFA	38	SUG47x(CALIMAxG5253)	CITARA	6M	45	2A	35	79	.	M	.	8	5	5	3	93-385			
DFA	39	ARGENTINOx(TOSTADOxBAT1373)	CALIMA	6M	44	1	34	77	.	M	.	8	5	3	3	93-233			
DFA	40	ARGENTINOx(TOSTADOxBAT1373)	CALIMA	6M	45	1	34	75	.	M	.	7	5	4	3	93-234			
DFA	41	ARGENTINOx(TOSTADOxBAT1373)	CALIMA	6M	45	1	34	74	.	M	.	7	5	4	3	93-235			
DFA	42	ARGENTINOx(TOSTADOxBAT1373)	CALIMA	6M	38	1	34	74	.	M	.	6	6	5	3	93-236			
DFA	43	ZAA44x((CR2515xZAA44)xZAA44)	CALIMA	6M	43	1	34	79	.	M	.	1	6	6	3	93-240			
DFA	44	ARGENTINOx(RUBONA5xBAT1373)	ARGENTINO	7	36	1	33	80	.	M	.	3	6	5	3	93-488			
DFA	45	CARIOCAx(URUBONOBONoxNAINOEKYON)	NAVY	1	24	3	35	80	.	N	.	.	6	7	8	93-26			
DFA	46	CARIOCAx(URUBONOBONoxNAINOEKYON)	NAVY	1	28	3	34	80	.	N	.	1	6	7	7	93-27			
DFV	1	V83044xVCA81018		3	39	4A	39	78	.	M	.	1	8	7	7	92-341			
DFV	2	V83044xVCA81018		3	38	4A	36	76	.	M	.	1	8	7	6	92-342			
DFV	3	V83044xVCA81018		3	40	4A	38	85	.	M	.	1	7	6	7	92-343			
DFV	4	V83044xVCA81018		3	39	4A	39	86	.	M	.	1	7	5	6	92-344			
DFV	5	V83044xVCA81018		3	40	4A	36	86	.	M	.	1	7	6	6	92-345			
DFV	6	V83044xVCA81018		3	40	4A	36	86	.	M	.	1	6	6	6	92-346			
DFV	7	V83044xVCA81018		3	39	4A	38	86	.	M	.	1	6	7	7	92-347			
DFV	8	G2333xG4523		3	34	4A	35	91	.	M	.	1	7	6	5	92-348			
DFV	9	V83044xVCA81018	CANARIO	3	.	.	53	95	.	M	.	1	7	7	7	93-801			
DFV	10	V83044xVCA81018	CANARIO	3	.	.	53	95	.	M	.	1	6	7	6	93-802			
DFV	11	G2333xG4523	JALO/MANTECA	3	.	.	53	103	.	M	.	1	7	7	7	93-806			
DOR	1	G2115xG4485	NEGRO	8	21	3	41	.	.	N	.	6	5	7	5	8	78-48		
DOR	2	G2056xG4485	NEGRO	8	21	3	37	.	.	N	.	6	8	7	.	8	78-49		
DOR	3	G2056xG4485	NEGRO	6	21	3	40	.	.	N	.	5	8	7	.	8	78-50		
DOR	4	G3645xG5479	NEGRO OPACO	8	20	2	40	.	.	N	.	9	9	7	1	7	80-183		
DOR	5	(G4525xG4485)x(G2005xG1248)		N		
DOR	6	G2056xG4485		6	17	2	38	.	.	N	.	8	5	7	1	9	80-184		
DOR	7	G3154xG4485	NEGRO	8	21	2	37	.	.	N	.	6	8	7	5	8	78-55		
DOR	8	G3627xG4485	NEGRO	8	21	2	44	.	.	N	.	7	8	9	3	8	78-238		

Line	Cross	Cult. type	Seed			Days to						Rust	Yr	VEF Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant					CBB	ALS
DOR 9	G3627xG4485	NEGRO	8	21	2	44	.	.	N	6	8	7	.	8	78-239	
DOR 10	G4122xG4485	NEGRO	8	21	2	43	.	.	N	6	8	9	5	8	78-243	
DOR 11	G3834xG4485	NEGRO	8	21	2	41	.	4	N	5	5	7	.	8	78-248	
DOR 12	G3814xG4485	NEGRO	8	21	2	42	.	3	N	6	5	7	5	8	78-249	
DOR 13	G4495xG4485	NEGRO	8	21	2	41	.	.	N	7	8	9	.	8	78-254	
DOR 14	G4525xG4485	NEGRO	8	21	2	43	.	.	N	6	8	7	.	8	78-255	
DOR 15	G4525xG4485	NEGRO	8	21	2	43	.	3	N	5	8	7	.	8	78-493	79
DOR 16	G4525xG4485	NEGRO	8	21	2	40	.	.	N	6	8	7	.	8	78-494	
DOR 17	G2296xG4485	NEGRO	8	21	2	39	.	.	N	7	8	9	.	8	78-495	
DOR 18	G2296xG4485	NEGRO	8	21	3	41	.	.	N	6	8	7	.	8	78-496	
DOR 19	G2296xG4485	NEGRO	8	21	2	44	.	.	N	5	8	9	.	8	78-497	
DOR 20	G2296xG4485	NEGRO	8	21	2	41	.	.	N	6	8	9	.	8	78-498	
DOR 21	G3759xG4485	NEGRO	8	21	2	41	.	.	N	6	8	9	.	8	78-500	
DOR 22	G2689xG4485	NEGRO	8	21	2	44	.	.	N	5	8	9	.	8	78-501	
DOR 23	G4525xG4454	NEGRO	8	21	2	41	.	.	N	6	8	9	5	8	78-519	
DOR 24	G3788xG4454	NEGRO	8	21	2	41	.	.	N	8	8	9	7	8	78-520	
DOR 25	G2959xG4485	NEGRO	8	21	2	40	.	.	N	8	8	7	.	8	78-540	
DOR 26	G4493xG4485	NEGRO	8	21	2	40	.	.	N	6	8	7	.	8	78-541	
DOR 27	G4493xG4485		1	21	2	40	.	.	N	7	8	7	.	8	78-542	
DOR 28	G4525xG4485	NEGRO	8	21	2A	41	77	.	N	4	8	7	9	8	79-239	
DOR 29	G302xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 30	G4525xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 31	G2296xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 32	G3788xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 33	G2296xG4454		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 34	G3790xG4454		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 35	G1820xG4485	NEGRO	8	21	2A	40	77	.	N	4	8	9	5	8	79-254	
DOR 36	G1820xG4485	NEGRO	8	21	2	39	75	.	N	4	8	7	5	8	79-255	
DOR 37	G4493xG4485		1	15	2	39	.	.	N	9	5	9	1	9	80-185	
DOR 38	G4505xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 39	G2540xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 40	G3913xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 41	G4495xG4485	NEGRO	8	21	2	40	77	3	N	4	8	7	7	8	79-194	81
DOR 42	G4525xG4485	NEGRO	8	21	2	40	77	1	N	5	8	7	9	8	79-195	
DOR 43	G4525xG4454	NEGRO OPACO	8	20	2	42	77	.	N	8	9	7	9	8	79-186	
DOR 44	G4525xG4485	NEGRO	8	21	2	40	76	1	N	4	8	9	9	8	79-238	
DOR 45	G4525xG4485	NEGRO	8	21	2	41	77	.	N	4	8	7	9	8	79-240	
DOR 46	G4525xG3804	NEGRO OPACO	8	22	2	39	.	.	N	9	7	7	1	9	80-187	
DOR 47	(G4454xG4493) x (G4525xG4485)		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 48	(G4454xG3834) x (G1349xG4122)		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 49	G1820xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 50	G2959xG4525		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 51	G4525xG1820		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 52	G4461xG2005		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 53	G4461xG2005		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 54	G4525xG4142		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 55	G4495xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 56	G4122xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 57	G4525xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 58	G3788xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 59	G4525xG4454		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 60	G4525xG4142	NEGRO	8	22	2A	38	73	1	N	9	8	7	7	9	80-188	85
DOR 61	G4525xG4454		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 62	G4525xG4792	NEGRO OPACO	8	22	2	39	.	2	N	8	5	9	1	3	80-189	82
DOR 63	G4461xG2005		.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 64	G4461xG2005		.	.	.	.	.	.	N	.	.	.	.	.	.

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	VEF	IB
DOR 65	G4461xG2005								N									
DOR 66	G4461xG2005	NEGRO OPACO	8	19	2	39			N	9	9	7	1	9			80-190	
DOR 67	(G4495xG5481) x (G3645xG5481)								N									
DOR 68	G4454xG5709								N									
DOR 69	G4525xG5709								N									
DOR 70	G4525xG5709								N									
DOR 71	G4525xG5709								N									
DOR 72	G4525xG1320								N									
DOR 73	G2056xG4485								N									
DOR 74	G2056xG4485								N									
DOR 75	G302xG4485								N									
DOR 76	G4495xG3974								N									
DOR 77	G4495xG3988								N									
DOR 78	G3974xG4485								N									
DOR 79	(G2056xG5481) x (G2539xG4485)								N									
DOR 80	(G2056xG5481) x (G2539xG4485)								N									
DOR 81	(G2056xG5481) x (G2539xG4485)								N									
DOR 82	(G2056xG5481) x (G2539xG4485)								N									
DOR 83	(G2056xG5481) x (G2539xG4485)								N									
DOR 84	(G2056xG5481) x (G2539xG4485)		5	16	2	40			N	8	7	7	1	9			80-191	
DOR 85	(G3664xG4215) x (G4525xG4485)								N									
DOR 86	(G2539xG5481) x (G4525xG5694)								N									
DOR 87	(G3974xG1248) x (G4525xG5694)								N									
DOR 88	G4495xG4977								N									
DOR 89	G4495xG4977								N									
DOR 90	G4495xG4977								N									
DOR 91	G4495xG4977								N									
DOR 92	G4495xG4977								N									
DOR 93	G4495xG2689	NEGRO OPACO	8	18	2	41			N	9	9	9	1	9			80-192	
DOR 94	G4495xG2689								N									
DOR 95	G4495xG2689								N									
DOR 96	G3988xG4485								N									
DOR 97	G5267xG5749								N									
DOR 98	G5267xG5749								N									
DOR 99	(G4525xG3353) x (G2115xG5476)								N									
DOR 100	(G4525xG3353) x (G2115xG5476)								N									
DOR 101	(G4525xG3353) x (G2115xG5476)								N									
DOR 102	(G4525xG3353) x (G2115xG5476)								N									
DOR 103	G3816xG4485								N									
DOR 104	G4454xG4494								N									
DOR 105	G4454xG4494								N									
DOR 106	G4454xG4494								N									
DOR 107	G4454xG4494								N									
DOR 108	G4505xG4485								N									
DOR 109	G2540xG4485								N									
DOR 110	G3913xG4485								N									
DOR 111	G3913xG4495								N									
DOR 112	G3913xG4495								N									
DOR 113	((G4495xG3645) x (G4495xG5479)) x ((...		6	18		40			N	9	9	7	1	7			80-193	
DOR 114	((G4495xG3645) x (G4495xG5479)) x ((...								N									
DOR 115	G4525xG1540								N									
DOR 116	G4525xG1540								N									
DOR 117	G4525xG1540								N									
DOR 118	G4461xG1540								N									
DOR 119	G4495xG4470								N									
DOR 120	G4495xG4470								N									

Line	Cross	Cult. type	Seed			Days to					VEF	IB					
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
DOR 121	G4495xG7136		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 122	G4495xG7131		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 123	G4461xG4482		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 124	G4525xG4482		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 125	G4495xG4791		6	19	2	43	.	3	N	9	7	9	1	7	80-194	.	.
DOR 126	G4525xG4470		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 127	G4525xG4470		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 128	G4525xG4470		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 129	G4525xG4470		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 130	G4525xG4470		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 131	G4525xG4470		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 132	G1540xG4795		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 133	G4461xG3988		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 134	G1540xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 135	G4795xG3786		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 136	G4461xG2005		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 137	G4525xG4142		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 138	G4525xG4142		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 139	G4525xG4142	NEGRO OPACO	8	18	2	40	.	.	N	8	9	9	1	9	80-195	.	.
DOR 140	G4461xG4493		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 141	G4525xG4482		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 142	G4525xG4470	NEGRO	8	22	.	35	.	.	N	9	5	5	1	5	80-196	.	.
DOR 143	G4525xG4470		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 144	G4525xG4470		4	22	2	39	.	.	M	6	5	7	1	7	80-197	.	.
DOR 145	G4456xG4495	NEGRO OPACO	8	19	2	40	.	.	N	9	9	7	1	7	80-198	.	.
DOR 146	G4456xG4495		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 147	G2718xG4795	NEGRO OPACO	8	17	2	38	.	.	N	8	9	7	1	7	80-199	.	.
DOR 148	G5445xG4485		6	16	3,2	43	78	2	N	.	4	7	5	9	81-349	.	.
DOR 149	DOR1xDOR15		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 150	DOR21xDOR22		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 151	G11491xDOR42		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 152	G11491xDOR42		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 153	G11491xDOR13		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 154	G11491xDOR13		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 155	G11491xDOR41		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 156	G11491xDOR22		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 157	G11491xDOR24		8	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 158	G4822xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 159	G4822xG11491		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 160	G11486xDOR141		6	21	2	38	.	.	N	9	7	9	1	9	80-200	.	.
DOR 161	G4525xG4470		4M	21	2	38	.	1	N	7	5	5	1	5	80-201	.	.
DOR 162	G4525xG4485		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 163	G4456xG4495		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 164	G7932xG4795		6	24	2B	37	64	3	N	.	8	9	4	9	81-350	.	.
DOR 165	G11487xSEL70		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 166	G5270xDOR139		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 167	G11491xDOR48		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 168	IN14xDOR66	NEGRO OPACO	8	22	2	40	68	2	N	8	7	8	8	5	85-681	.	.
DOR 169	IN14xSEL133		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 170	IN15xSEL115		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 171	IN15xSEL115		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 172	G4525xDOR48		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 173	G4525xBAT584		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 174	G4525xBAT584		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 175	G4525xBAT363		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
DOR 176	DOR41xDOR48		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV								
DOR 177	DOR41xDOR48	NEGRO	8	20	2B	41	76	.	N	9	8	7	5	7	83-92		
DOR 178	DOR41xDOR48		.	.	.	.	.	.	N	.	.	.	.	.
DOR 179	DOR41xSEL71		.	.	.	.	.	.	N	.	.	.	.	.
DOR 180	DOR41xSEL71		.	.	.	.	.	.	N	.	.	.	.	.
DOR 181	DOR41xDOR48		.	.	.	.	.	.	N	.	.	.	.	.
DOR 182	DOR42xSEL6		.	.	.	.	.	.	N	.	.	.	.	.
DOR 183	DOR43xSEL114		.	.	.	.	.	.	N	.	.	.	.	.
DOR 184	DOR43xSEL114		.	.	.	.	.	.	N	.	.	.	.	.
DOR 185	DOR43xSEL114		.	.	.	.	.	.	N	.	.	.	.	.
DOR 186	DOR44xDOR60		.	.	.	.	.	.	N	.	.	.	.	.
DOR 187	DOR44xDOR60		.	.	.	.	.	.	N	.	.	.	.	.
DOR 188	DOR41xDOR48		.	.	.	.	.	.	N	.	.	.	.	.
DOR 189	(G1741xG4493) x (G4525xG4215)		.	.	.	.	.	.	N	.	.	.	.	.
DOR 190	G4122xG4495		.	.	.	.	.	.	N	.	.	.	.	.
DOR 191	G4495xG4791		.	.	.	.	.	.	N	.	.	.	.	.
DOR 192	G7932xG4795		.	.	.	.	.	.	N	.	.	.	.	.
DOR 193	G7932xG4485		.	.	.	.	.	.	N	.	.	.	.	.
DOR 194	G4494xBAT950		.	.	.	.	.	.	N	.	.	.	.	.
DOR 195	G4494xBAT950		.	.	.	.	.	.	N	.	.	.	.	.
DOR 196	G4494xBAT950	GUALI	7M	41	1	33	68	.	N	7	8	5	5	5	84-933		
DOR 197	G4494xBAT950		.	.	.	.	.	.	N	.	.	.	.	.
DOR 198	G4494xBAT950	GUALI	7M	48	1	33	68	.	N	7	8	7	1	3	84-934		
DOR 199	G4494xBAT950		.	.	.	.	.	.	N	.	.	.	.	.
DOR 200	G7932x(G4791x(G4791xG3736))		6	23	3A	35	70	1	N	9	7	7	6	5	83-265		
DOR 201	G4470x(G4470x(G76xG4470))	NIMA	7M	38	1	33	66	.	M	8	6	6	6	4	85-682		
DOR 202	G14013xSEL72		.	.	.	.	.	.	M	.	.	.	.	.
DOR 203	DOR16xDOR13		.	.	.	.	.	.	M	.	.	.	.	.
DOR 204	G11489xSEL115		.	.	.	.	.	.	M	.	.	.	.	.
DOR 205	G11489xSEL115		.	.	.	.	.	.	M	.	.	.	.	.
DOR 206	G11489xDOR54		.	.	.	.	.	.	M	.	.	.	.	.
DOR 207	G11489xDOR54		.	.	.	.	.	.	M	.	.	.	.	.
DOR 208	G11489xDOR139		.	.	.	.	.	.	M	.	.	.	.	.
DOR 209	G11489xDOR139	NEGRO OPACO	8	19	2	41	68	.	N	7	2	8	5	7	85-683		
DOR 210	G6616xSEL54		6J	24	3A	32	70	.	N	9	6	6	6	5	83-704		
DOR 211	G6616xSEL54	BAT 1297	7M	25	2	37	73	.	N	5	6	7	6	7	85-684		
DOR 212	G6616xSEL54		.	.	.	.	.	.	N	.	.	.	.	.
DOR 213	G6616xSEL54		.	.	.	.	.	.	N	.	.	.	.	.
DOR 214	G6616xG4485		6J	25	2B	35	68	.	N	9	6	6	5	5	83-642		
DOR 215	G6616xSEL140		.	.	.	.	.	.	N	.	.	.	.	.
DOR 216	G11491xSEL37		.	.	.	.	.	.	N	.	.	.	.	.
DOR 217	G11491xBAT363		.	.	.	.	.	.	N	.	.	.	.	.
DOR 218	BAT450xDOR53		.	.	.	.	.	.	N	.	.	.	.	.
DOR 219	IN14xDOR66		.	.	.	.	.	.	N	.	.	.	.	.
DOR 220	IN14xDOR66		.	.	.	.	.	.	N	.	.	.	.	.
DOR 221	IN14xDOR60	NEGRO OPACO	8	22	2	40	68	1	N	8	8	8	7	7	85-685		
DOR 222	IN14xDOR53		.	.	.	.	.	.	N	.	.	.	.	.
DOR 223	IN16xSEL60		.	.	.	.	.	.	N	.	.	.	.	.
DOR 224	A5xSEL69		.	.	.	.	.	.	N	.	.	.	.	.
DOR 225	G4525xDOR54		.	.	.	.	.	.	N	.	.	.	.	.
DOR 226	G4525xDOR54		.	.	.	.	.	.	N	.	.	.	.	.
DOR 227	G4525xBAT584	NEGRO OPACO	8	24	2B	48	89	1	N	6	8	8	6	7	84-1	86	
DOR 228	G4525xBAT584		.	.	.	.	.	.	N	.	.	.	.	.
DOR 229	G4525xBAT363		.	.	.	.	.	.	N	.	.	.	.	.
DOR 230	IN13xSEL69		.	.	.	.	.	.	N	.	.	.	.	.
DOR 231	IN13xA21		6	28	2A	40	72	.	N	8	7	8	2	7	83-144		
DOR 232	IN13xA21		.	.	.	.	.	.	N	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to					VEF	IB					
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
DOR 233	IN13xA21																
DOR 234	DOR41xDOR48																
DOR 235	DOR41xDOR48	NEGRO OPACO	8	21	2	41	71	3			N						
DOR 236	DOR41xDOR51										N						
DOR 237	DOR41xDOR51										N						
DOR 238	DOR41xDOR51										N						
DOR 239	DOR41xSEL131										N						
DOR 240	DOR41xSEL71										N						
DOR 241	DOR41xSEL71	NEGRO OPACO	8	22	2B	47	85	3			N						
DOR 242	DOR42xSEL115										N						
DOR 244	DOR43xSEL114										N						
DOR 245	DOR43xSEL114										N						
DOR 246	DOR43xSEL6	NEGRO OPACO	8	23	2	41	71				N						
DOR 247	DOR43xA21										N						
DOR 248	DOR43xA21										N						
DOR 249	DOR45xSEL128										N						
DOR 250	DOR45xSEL128										N						
DOR 251	DOR44xDOR51	NEGRO OPACO	8	22	3	37	68	1			N						
DOR 252	DOR44xDOR51										N						
DOR 253	BAT47xSEL6										N						
DOR 254	BAT47xSEL6										N						
DOR 255	SEL54xBAT363										N						
DOR 256	SEL104xDOR67										N						
DOR 257	SEL104xDOR67		2M	24	2B	36	70				N						
DOR 258	SEL104xDOR67										N						
DOR 259	SEL126xG14013										N						
DOR 260	SEL126xG14013										N						
DOR 261	BAT820xBAT76										N						
DOR 262	BAT805xDOR73										N						
DOR 263	BAT40xBAT93										N						
DOR 264	BAT821x(G3913x(G3645x(G5709x...										N						
DOR 265	BAT39xBAT97										N						
DOR 266	BAT44xBAT859										N						
DOR 267	BAT93xBAT1155										N						
DOR 268	BAT93xBAT1155										N						
DOR 269	BAT789xBAT897										N						
DOR 270	BAT789xBAT1155										N						
DOR 271	BAT789xBAT1155										N						
DOR 272	BAT821xBAT1155										N						
DOR 273	BAT972xBAT1155										N						
DOR 274	BAT972xBAT1155										N						
DOR 275	BAT972xBAT1155										N						
DOR 276	BAT972xBAT1155										N						
DOR 277	BAT419xBAT887										N						
DOR 278	BAT1179xBAT897										N						
DOR 279	BAT896xBAT41										N						
DOR 280	BAT896xBAT41										N						
DOR 281	BAT896xBAT41										N						
DOR 282	BAT896xBAT41										N						
DOR 283	BAT896xBAT41										N						
DOR 284	BAT896xBAT41	HONDURAS 46	6	20	2B	48	82				N						
DOR 285	BAT896xBAT41										N						
DOR 286	BAT896xBAT41										N						
DOR 287	BAT896xBAT41										N						
DOR 288	BAT896xDOR16	HONDURAS 46	6	17	2	41	75				N						
DOR 289	BAT1102xBAT896										N						

Line	Cross	Cult. type	Seed			Days to					CBB	ALS	Rust	Yr	VEP Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp							Ant
DOR 346	G11491xBAT363		7	22	2	47	78	.	N	7	4	8	6	5	84-545	
DOR 347	G11491xBAT363	ROSINHA	5	21	2	47	78	2	N	6	4	9	6	5	84-546	86
DOR 348	G11491xBAT363	ROSINHA	5	21	2	46	78	.	N	7	6	7	5	5	84-547	
DOR 349	A25xSEL69	CARIOCA	2R	23	3	46	81	.	N	7	6	9	6	5	84-548	
DOR 350	A25xSEL69	CARIOCA	2R	25	3	46	80	2	N	7	7	8	6	7	84-549	86
DOR 351	SEL53xBAT363		7	21	3	47	81	1	N	7	5	8	6	5	84-550	86
DOR 352	DOR42xSEL115		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 353	DOR83xDOR41		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 354	SEL250xDOR277		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 355	SEL250xDOR277		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 356	SEL250xDOR257		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 357	BAT1232xDOR257		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 358	SEL250xDOR257		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 359	SEL250xDOR257		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 360	BAT841x(G6401xSEL143)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 361	BAT1232xDOR257		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 362	BAT1232xDOR257		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 363	BAT1232xDOR257		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 364	BAT1215x(RAB166xDOR125)	ZAMORANO	6	22	2A	36	74	1	N	8	7	6	7	7	88-328	
DOR 365	BAT1215xDOR306		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 366	A429xRAB56	ZAMORANO	6	23	2B	38	76	.	N	8	7	6	7	6	88-778	
DOR 367	A429xRAO30	ROSINHA	5	23	2	34	62	.	N	.	7	7	7	3	87-378	
DOR 368	A429xRAO30	ZAMORANO	6	25	2	35	63	.	N	.	2	7	8	4	87-489	
DOR 369	A429xRAO30	ROSINHA	5	24	2	34	62	.	N	.	7	7	7	2	87-379	
DOR 370	DOR125xPAI66	BAT 1297	7M	19	2	36	65	.	N	.	7	7	7	5	87-541	
DOR 371	DOR125xPAI66	ZAMORANO	6	23	2	36	65	.	N	.	6	7	8	6	87-490	
DOR 372	DOR125xPAI66	BAT 1297	7M	23	2	37	64	3	N	8	8	7	8	7	87-542	
DOR 373	DOR125xPAI66	RED MEXICAN	6	22	2B	37	70	.	N	9	7	7	8	6	87-491	
DOR 374	DOR125xPAI66	BAT 1297	7M	25	2B	37	67	3	N	7	8	7	8	9	87-543	
DOR 375	PAI75xDOR329	RED MEXICAN	6	20	2	34	69	.	N	9	7	7	7	7	87-492	
DOR 376	DOR41xG1662		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 377	DOR41xG7970		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 378	DOR41xG2402	NEGRO	8	22	2B	32	75	.	N	8	7	6	7	5	88-870	
DOR 379	DOR41xG2576	NEGRO	8	26	2B	31	74	.	N	8	8	7	7	6	88-871	
DOR 380	DOR44xG7970	NEGRO	8	23	2B	36	72	.	N	8	8	6	7	5	88-872	
DOR 381	DOR44xG2402		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 382	DOR290xG7970		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 383	DOR290xG2576		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 384	G17660xG7970		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 385	G17660xG2402	NEGRO	8	26	3	31	76	4	N-M	9	6	7	8	7	88-641	89
DOR 386	G18479xG1662		.	.	.	.	.	.	N-M	.	.	.	.	.	.	.
DOR 387	A429xKAN112	NEGRO	8	26	2B	33	70	4	N	9	7	7	7	6	88-913	
DOR 388	A429xKAN112	NEGRO	8	24	1B	37	74	1	N	8	8	5	8	7	88-914	
DOR 389	SEL756x(IN103xG17702)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 390	(DOR364xG18521)x(DOR365xIN100)	NEGRO OPACO	8	22	2A	30	74	1	N	.	7	6	4	7	90-465	
DOR 391	DOR367x(DOR364xIN101)	ZAMORANO	6	24	2A	37	75	1	N	.	6	6	7	7	90-384	
DOR 392	RAB70xDOR303		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 393	RAB60xG14375		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 394	APN93xG18460	NEGRO	8	21	3	33	62	.	N	.	8	.	6	6	89-581	
DOR 395	APN93xG18460	NEGRO	8	22	2B	34	62	.	N	.	7	.	6	6	89-553	
DOR 396	APN93xG18460	NEGRO	8	19	2A	34	62	.	N	.	8	.	8	7	89-582	
DOR 397	APN93xG18460		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 398	APN93xG18460		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 399	APN93xG18460	NEGRO	8	23	2B	31	62	.	N	.	7	.	7	4	89-562	
DOR 400	APN93xG18460		.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 401	APN93xG18460	NEGRO	8	20	2B	33	61	.	N	.	8	.	8	6	89-567	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to			BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
						F1	Mt	Fot								Ent	YAN
DOR 402	APN93xDOR241	NEGRO	8	21	2A	34	66	.	N	.	7	.	8	5	89-563		
DOR 403	APN93xDOR241	NEGRO	8	22	2A	38	62	.	N	.	6	8	7	8	89-593		
DOR 404	APN93xDOR241	NEGRO	8	19	2A	40	67	.	N	.	8	.	7	5	89-594		
DOR 405	APN93xDOR241	NEGRO	8	23	2B	33	66	.	N	.	8	.	7	6	89-592		
DOR 406	APN93xDOR241								N	.							
DOR 407	APN93xDOR241	NEGRO	8	19	2A	38	67	.	N	.	7	.	7	5	89-591		
DOR 408	APN93xDOR241	NEGRO	8	20	2A	38	63	.	N	.	8	.	7	7	89-544		
DOR 409	APN93xDOR241								N	.							
DOR 410	APN93xDOR241	NEGRO	8	23	2A	38	68	.	N	.	7	.	7	7	89-596		
DOR 411	APN93xDOR241								N	.							
DOR 412	APN93xDOR241	NEGRO	8	20	2B	39	63	.	N	.	7	.	7	6	89-546		
DOR 413	G4495xG6384								N	.							
DOR 414	DOR41xG2576								N	.							
DOR 415	G1662xDOR44	NEGRO	8	23	2B	38	62	.	N	.	7	.	7	7	89-547		
DOR 416	G1662xDOR44	NEGRO	8	22	2B	38	62	.	N	.	6	.	7	6	89-590		
DOR 417	G1662xDOR44	NEGRO	8	22	2B	38	62	.	N	.	7	.	7	5	89-574		
DOR 418	G1662xDOR44	NEGRO	8	22	2B	38	62	.	N	.	8	.	6	7	89-535		
DOR 419	DOR44xG7970								N	.							
DOR 420	DOR44xG7970	NEGRO	8	27	3	34	62	.	N-M	.	7	.	8	6	89-575		
DOR 421	DOR44xG2402								N-M	.							
DOR 422	DOR44xG2402	NEGRO	8	27	2A	34	66	.	N	.	7	.	7	6	89-551		
DOR 423	IN228xG1662	NEGRO	8	26	2B	31	61	.	N	.	7	.	7	6	89-541		
DOR 424	IN228xG1662	NEGRO	8	22	2B	35	62	.	N	.	8	.	7	6	89-555		
DOR 425	G17660xG2402								N	.							
DOR 426	G17660xG2402	NEGRO	8	24	2A	29	62	.	N	.	7	.	7	7	89-565		
DOR 427	G17660xG2402	NEGRO	8	25	2	30	67	.	N	.	8	7	7	7	89-466		
DOR 428	G17660xG2402								N	.							
DOR 429	G17660xG2402	NEGRO	8	28	2A	30	61	.	M-N	.	1	.	8	7	89-595		
DOR 430	G17660xG2402	NEGRO	8	26	2B	29	61	.	N	.	1	8	7	8	89-585		
DOR 431	G17660xG2402	NEGRO	8	24	2A	30	62	.	N	.	7	.	7	7	89-558		
DOR 432	DOR290xG7970	NEGRO	8	28	2B	34	62	.	N-M	.	7	.	7	6	89-564		
DOR 433	DOR290xG7970	NEGRO	8	31	3	33	66	.	N	.	7	.	7	6	89-552		
DOR 434	DOR290xG7970	NEGRO	8	27	2B	34	62	.	N-M	.	8	.	8	7	89-556		
DOR 435	G18479xG7970								N-M	.							
DOR 436	G2402xG18479	NEGRO	8	23	2A	33	66	.	M-N	.	8	.	7	7	89-578		
DOR 437	G2402xG18479								M-N	.							
DOR 438	DOR367x(DOR252xBAT160)	NEGRO	8	25	2A	36	73	2	N	.	6	7	7	7	90-467		
DOR 439	DOR367x(DOR252xBAT160)	NEGRO	8	22	2	37	75	3	N	.	5	7	8	7	90-468		
DOR 440	(G6413xIN100)x(DOR364xG18521)	NEGRO	8	21	2B	37	78	.	N	.	7	7	6	5	90-469		
DOR 441	(G6413xIN100)x(DOR364xG18521)	NEGRO	8	22	2B	36	81	1	N	.	6	7	7	7	90-470		
DOR 442	(DOR365xIN100)xG6384	NEGRO	8	22	2	35	74	1	N	.	6	7	8	7	90-471		
DOR 443	(DOR364xG18521)xG6384								N	.							
DOR 444	(DOR364xG18521)x(DOR365xIN100)	NEGRO	8	25	2	35	74	.	N	.	8	7	8	7	90-472		
DOR 445	(DOR364xG18521)x(DOR365xIN100)	NEGRO	8	21	2A	35	76	1	N	.	6	7	7	7	90-473		
DOR 446	(DOR364xG18521)x(DOR365xIN100)	NEGRO	8	23	2B	35	76	.	N	.	7	7	5	7	90-475		
DOR 447	(DOR364xG18521)x(DOR365xIN100)	NEGRO	8	24	2B	36	77	1	N	.	6	7	5	7	90-476		
DOR 448	(DOR364xG18521)x(DOR365xIN100)	NEGRO	8	23	2B	36	76	1	N	.	6	7	5	7	90-477		
DOR 449	(DOR364xG18521)x(DOR365xIN100)	NEGRO	8	21	2B	37	76	1	N	.	6	7	6	7	90-478		
DOR 450	(DOR364xG18521)x(DOR365xIN100)	NEGRO	8	22	2B	35	73	1	N	.	6	7	5	7	90-479		
DOR 451	(DOR364xG18521)xG17682	NEGRO	8	23	2	35	74	.	N	.	7	7	8	8	90-480		
DOR 452	(DOR168xBAT1467)xG4801	NEGRO	8	16	2A	37	77	.	N	.	8	7	8	7	90-481		
DOR 453	(DOR364xG18521)x(DOR365xIN100)	NEGRO	8	24	2B	37	77	1	N	.	6	7	6	7	90-482		
DOR 454	(DOR364xG18521)x(DOR365xIN100)	NEGRO	8	22	2B	37	71	1	N	.	6	5	6	7	90-483		
DOR 455	G4495xG4449	NEGRO	8	22	3	31	71	.	N	.	8	8	8	7	90-474		
DOR 456	APN93xG18460	NEGRO	8	20	3	32	65	1	N	.	8	7	8	7	90-484		
DOR 457	G18479x(MCD2004xG3530)	NEGRO	8	23	2B	35	71	1	N	.	5	7	8	7	90-485		

Line	Cross	Cult. type	Seed			Days to					Rust	Yr Ent	VRF	IB	
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp					Ant	CBB	ALS
DOR 458	G18479x(MCD2004xG3530)	NEGRO OPACO	8	23	2B	35	75	.	N	.	8	7	8	8	90-486
DOR 459	G18479x(G4489xG3578)	NEGRO OPACO	8	22	2B	35	71	.	N	.	7	6	7	8	90-487
DOR 460	G18460x(APN42xAPN92)	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 461	G18460x(APN92xG3578)	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 462	DOR41xG2402	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 463	DOR44xG2402	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 464	IN228xG1662	NEGRO OPACO	8	23	2B	31	74	.	N	.	7	7	8	8	90-488
DOR 465	IN228xG1662	NEGRO OPACO	8	21	2B	32	71	.	N	.	7	7	8	7	90-489
DOR 466	G17660xG2402	NEGRO BRILLANTE	8	15	2A	30	70	.	N	.	7	7	8	7	90-490
DOR 467	G17660xG2402	NEGRO OPACO	8	26	3	31	69	.	N	.	7	8	8	7	90-491
DOR 468	G17660xG2402	NEGRO SEMIBRILLA	8	20	2B	31	68	3	N	.	3	8	8	8	90-492
DOR 469	G17660xG2402	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 470	G17660xG2576	NEGRO OPACO	8	19	2	31	71	.	N	.	7	7	7	7	90-493
DOR 471	G17660xG2576	NEGRO OPACO	8	19	2	31	72	.	N	.	7	7	8	8	90-494
DOR 472	DOR367x(DOR364xBAT1298)	ZAMORANO	6	23	2A	37	73	3	N	.	6	7	7	7	90-385
DOR 473	DOR367x(DOR364xBAT1298)	ZAMORANO	6	22	2A	37	73	1	N	.	5	7	7	7	90-386
DOR 474	DOR367x(DOR364xBAT1298)	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 475	DOR367x(DOR364xBAT1298)	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 476	DOR367x(DOR364xBAT1298)	ZAMORANO	6	24	2	37	73	3	N	.	3	5	7	7	90-387
DOR 477	DOR367x(DOR364xIN101)	MEXICO 80	6	21	2A	38	71	8	N	.	2	6	8	8	90-307
DOR 478	DOR367x(DOR364xIN101)	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 479	DOR367x(DOR364xIN101)	ZAMORANO	6	24	2A	36	77	.	N	.	7	7	7	2	90-417
DOR 480	DOR367x(DOR364xIN101)	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 481	DOR367x(DOR364xIN101)	ZAMORANO	6	21	2	35	69	2	N	.	6	7	8	2	90-388
DOR 482	DOR367x(DOR364xIN101)	ZAMORANO	6	24	2	35	69	8	N	.	8	7	8	7	90-389
DOR 483	DOR367x(DOR364xIN101)	ZAMORANO	6	20	2	37	75	1	N	.	7	6	7	2	90-390
DOR 484	DOR367x(DOR364xIN101)	ZAMORANO	6	24	2	.	73	.	N	.	8	6	8	2	90-391
DOR 485	RAB213xDOR364	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 486	RAO27xDOR364	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 487	RAO27xDOR364	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 488	DOR367x(DOR364xBAT1298)	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 489	DOR367x(DOR364xBAT1298)	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 490	DOR367x(DOR365xIN100)	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 491	DOR367x(DOR364xIN101)	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 492	RAB49xDOR364	ZAMORANO	6	18	2A	34	74	1	N	.	4	6	8	7	90-392
DOR 493	RAB39xDOR364	ZAMORANO	6	23	2A	35	72	1	N	.	4	5	8	8	90-393
DOR 494	RAB213xDOR364	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 495	RAO27xDOR364	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 496	RAO27xDOR364	ZAMORANO	6	21	2	37	71	3	N	.	8	6	7	8	90-394
DOR 497	RAO27xDOR364	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 498	RAO27xDOR364	ZAMORANO	6	24	2A	38	72	2	N	.	8	7	8	8	90-395
DOR 499	RAO27xDOR364	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 500	(DOR364xG18521)x(DOR365xIN100)	NEGRO	8	21	2B	41	74	.	N	.	5	7	7	3	91-370
DOR 501	G18263xG4458	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 502	G4799xG4458	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 503	G4799xG4458	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 504	G4799xG4458	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 505	IN230xIN229	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 506	G5359xIN229	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 507	G5359xG4458	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 508	G4470xG4458	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 509	G4470xG4458	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 510	G18263xIN229	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 511	G18263xIN271	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 512	G5359xIN231	.	.	.	.	.	.	.	N	.	.	.	.	.	.
DOR 513	DOR364x(G4017xG6384)	ZAMORANO	6	24	2B	37	77	.	M-N	.	7	7	7	7	93-272

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to				Emp	Ant	CBB	ALS	Rust	VEF Yr Ent	IB YAN
						Fl	Mt	Fot	BCMV							
DOR 514	DOR364xSEL1078	HONDURAS	46	6	20	2	36	74	.	N	.	6	5	7	7	93-329
DOR 515	DOR364xSEL1078	ZAMORANO		6	22	2A	38	79	.	N	.	7	8	7	7	93-273
DOR 516	DOR364xSEL1078	HONDURAS	46	6	20	2	35	74	.	N	.	6	6	7	7	93-330
DOR 517	DOR364xSEL1078	HONDURAS	46	6	21	2	35	77	.	N	.	5	5	7	8	93-331
DOR 518	DOR364xSEL1078	HONDURAS	46	6	21	2	35	72	.	N	.	5	5	7	7	93-332
DOR 519	DOR364xSEL1078	ZAMORANO		6	22	2A	38	79	.	N	.	6	6	9	7	93-274
DOR 520	DOR364xSEL1078	HONDURAS	46	6	21	2B	34	72	.	N	.	2	5	8	7	93-333
DOR 521	DOR364xSEL1078	ZAMORANO		6	20	2B	35	70	.	N	.	4	5	7	7	93-275
DOR 522	DOR364xSEL1078	ZAMORANO		6	18	2B	34	70	.	N	.	6	7	7	7	93-276
DOR 523	DOR364xSEL1078	HONDURAS	46	6	22	2A	36	74	.	N	.	4	6	8	7	93-334
DOR 524	DOR364xSEL1078	HONDURAS	46	6	19	3	35	77	.	N	.	5	6	7	7	93-335
DOR 525	DOR364xSEL1068	A 21		6	27	2B	34	77	.	N	.	6	6	9	6	93-214
DOR 526	DOR364xSEL1068	HONDURAS	46	6	22	2A	38	77	.	N	.	3	6	7	7	93-336
DOR 527	DOR364xSEL1068	HONDURAS	46	6	23	2A	38	77	.	N	.	3	6	8	7	93-337
DOR 528	DOR364xSEL1069	HONDURAS	46	6	22	2A	35	77	.	N	.	.	6	8	7	93-338
DOR 529	DOR364xSEL1069	ZAMORANO		6	21	2B	38	75	.	N	.	3	6	8	7	93-482
DOR 530	DOR364xSEL1069	ZAMORANO		6	22	2B	35	75	.	N	.	6	7	6	8	93-277
DOR 531	DOR364xSEL1069	HONDURAS	46	6	19	2A	35	72	.	N	.	5	5	8	7	93-339
DOR 532	DOR364xSEL1069	ZAMORANO		6	22	2B	35	75	.	N	.	7	6	5	7	93-483
DOR 533	DOR364xSEL1070	HONDURAS	46	6	20	2A	35	72	.	N	.	6	7	8	7	93-340
DOR 534	DOR364xSEL1070	HONDURAS	46	6	20	2A	35	72	.	N	.	.	5	8	7	93-341
DOR 535	DOR364xSEL1070	HONDURAS	46	6	20	2A	35	72	.	N	.	3	6	7	7	93-342
DOR 536	DOR364xSEL1070	HONDURAS	46	6	21	2A	35	77	.	N	.	4	6	8	7	93-343
DOR 537	DOR364xSEL1070	HONDURAS	46	6	20	2A	35	77	.	N	.	1	5	8	7	93-344
DOR 538	DOR364xSEL1070	HONDURAS	46	6	21	2A	35	77	.	N	.	6	6	8	6	93-345
DOR 539	DOR364xSEL1070	HONDURAS	46	6	21	2A	35	77	.	N	.	4	6	9	7	93-346
DOR 540	DOR364xSEL1070	HONDURAS	46	6	21	2A	35	72	.	N	.	3	6	8	7	93-347
DOR 541	DOR364xSEL1070	HONDURAS	46	6	20	2A	35	72	.	N	.	4	6	8	7	93-348
DOR 542	DOR364xSEL1071	HONDURAS	46	6	22	2A	38	77	.	N	.	1	6	7	7	93-349
DOR 543	DOR364xSEL1071	ZAMORANO		6	27	2B	35	81	.	N	.	6	7	8	7	93-278
DOR 544	DOR364xSEL1071	ZAMORANO		6	21	2B	35	77	.	N	.	.	6	8	6	93-279
DOR 545	DOR364xSEL1071	HONDURAS	46	6	22	2B	35	75	.	N	.	5	7	8	7	93-350
DOR 546	DOR364xSEL1072	HONDURAS	46	6	21	2A	35	77	.	N	.	6	7	7	7	93-351
DOR 547	DOR364xSEL1072	HONDURAS	46	6	22	2A	35	77	.	N	.	.	6	4	6	93-352
DOR 548	DOR364xSEL1072	HONDURAS	46	6	22	2	36	75	.	N	.	6	6	7	8	93-353
DOR 549	DOR364xSEL1072	ZAMORANO		6	22	2	35	70	.	N	.	5	6	6	7	93-280
DOR 550	DOR364xSEL1072	HONDURAS	46	6	21	2	38	77	.	N	.	8	6	7	7	93-354
DOR 551	DOR364xSEL1072	HONDURAS	46	6	19	2B	36	74	.	N	.	7	7	8	7	93-355
DOR 552	DOR364xSEL1073	ZAMORANO		6	21	2B	33	70	.	N	.	1	7	9	8	93-281
DOR 553	DOR364xSEL1073	ZAMORANO		6	24	2	33	75	.	N	.	8	7	9	7	93-282
DOR 554	DOR364xSEL1073	ZAMORANO		6	24	2A	36	77	.	N	.	6	7	7	7	93-283
DOR 555	DOR364xSEL1073	ZAMORANO		6	21	2A	35	77	.	N	.	7	8	8	7	93-284
DOR 556	DOR364xSEL1073	ZAMORANO		6	22	2B	34	70	.	N	.	5	7	8	8	93-285
DOR 557	DOR364xSEL1073	HONDURAS	46	6	22	2A	35	74	.	N	.	5	6	8	7	93-356
DOR 558	DOR364xSEL1073	ZAMORANO		6	21	2A	34	74	.	N	.	.	5	7	7	93-286
DOR 559	DOR364xSEL1074	ZAMORANO		6	20	2B	35	77	.	N	.	2	5	8	7	93-287
DOR 560	DOR364xSEL1074	ZAMORANO		6	23	2B	35	74	.	N	.	.	7	7	7	93-484
DOR 561	DOR364xSEL1074	HONDURAS	46	6	21	2B	35	74	.	N	.	6	6	8	7	93-357
DOR 562	DOR364xSEL1074	HONDURAS	46	6	22	2A	35	74	.	N	.	.	5	7	7	93-358
DOR 563	DOR364xSEL1074	HONDURAS	46	6	24	2A	36	79	.	N	.	3	6	8	7	93-359
DOR 564	DOR364xSEL1074	HONDURAS	46	6	21	2A	35	77	.	N	.	5	6	8	7	93-360
DOR 565	DOR364xSEL1074	HONDURAS	46	6	23	2	36	79	.	N	.	6	6	7	7	93-361
DOR 566	DOR364xSEL1075	HONDURAS	46	6	24	2	36	79	.	N	.	6	7	8	7	93-362
DOR 567	DOR364xSEL1075	HONDURAS	46	6	21	2A	35	74	.	N	.	2	7	8	7	93-363
DOR 568	DOR364xSEL1075	HONDURAS	46	6	21	2A	35	72	.	N	.	1	5	8	7	93-364
DOR 569	DOR364xSEL1075	HONDURAS	46	6	22	2A	37	74	.	N	.	2	5	7	7	93-365

Line	Cross	Cult. type	Seed			Days to								VEP Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust	Yr
DOR 570	DOR364xSEL1075	HONDURAS 46	6	20	2B	38	80	.	N	.	6	7	9	7	93-366	
DOR 571	DOR364xSEL1075	HONDURAS 46	6	19	2B	38	80	.	N	.	6	6	7	7	93-367	
DOR 572	DOR364xSEL1076	ROJO DE SEDA	6	22	2A	38	77	.	N	.	5	5	7	8	93-443	
DOR 573	DOR364xSEL1076	HONDURAS 46	6	23	2	36	79	.	N	.	2	5	8	7	93-368	
DOR 574	DOR364xSEL1076	ROJO DE SEDA	6	21	2B	34	70	.	N	.	4	5	8	8	93-444	
DOR 575	DOR364xSEL1076	ZAMORANO	6	20	2B	35	74	.	N	.	5	7	8	8	93-288	
DOR 576	DOR364xSEL1076	ZAMORANO	6	23	2A	34	70	.	N	.	5	6	7	7	93-485	
DOR 577	DOR364xSEL1077	ZAMORANO	6	25	2B	35	74	.	N	.	4	6	9	6	93-289	
DOR 578	DOR364xSEL1077	ZAMORANO	6	22	2A	34	74	.	N	.	.	6	8	7	93-290	
DOR 579	DOR364xSEL1077	ZAMORANO	6	21	2A	36	75	.	N	.	.	5	7	7	93-291	
DOR 580	DOR364xSEL1077	ZAMORANO	6	21	2A	33	70	.	N	.	8	7	8	5	93-292	
DOR 581	DOR364xSEL1077	HONDURAS 46	6	22	2A	35	77	.	N	.	6	6	7	7	93-369	
DOR 582	DOR364xSEL1077	ZAMORANO	6	21	2A	34	70	.	N	.	7	5	7	7	93-293	
DOR 583	DOR364xSEL1077	ZAMORANO	6	22	2A	34	70	.	N	.	8	7	7	5	93-294	
DOR 584	DOR364xSEL1079	HONDURAS 46	6	23	2A	36	79	.	N	.	2	6	6	7	93-370	
DOR 585	DOR364xSEL1079	ZAMORANO	6	21	2B	35	74	.	N	.	7	5	6	6	93-295	
DOR 586	DOR364xSEL1054	ZAMORANO	6	20	2A	34	70	.	N	.	1	7	8	5	93-296	
DOR 587	DOR364xSEL1054	ZAMORANO	6	22	2A	34	74	.	N	.	1	6	7	6	93-297	
DOR 588	DOR364xSEL1054	ZAMORANO	6	24	2A	38	77	.	N	.	5	6	6	6	93-298	
DOR 589	DOR364xSEL1054	HONDURAS 46	6	20	2A	38	77	.	N	.	2	6	5	6	93-371	
DOR 590	DOR364xSEL1054	HONDURAS 46	6	21	2A	35	70	.	N	.	1	7	7	6	93-372	
DOR 591	DOR364xSEL1054	HONDURAS 46	6	21	2B	38	74	.	N	.	2	6	7	6	93-373	
DOR 592	DOR364xSEL1054	ZAMORANO	6	22	2A	35	77	.	N	.	2	7	8	5	93-299	
DOR 593	DOR364xSEL1054	ZAMORANO	6	20	2B	35	72	.	N	.	1	6	6	6	93-300	
DOR 594	DOR364xSEL1054	ZAMORANO	6	22	2B	34	75	.	N	.	2	6	8	7	93-301	
DOR 595	DOR364xSEL1054	ZAMORANO	6	23	2B	36	77	.	N	.	1	7	6	6	93-302	
DOR 596	DOR364xSEL1054	ZAMORANO	6	21	2B	35	72	.	N	.	2	7	8	6	93-303	
DOR 597	DOR364xSEL1054	ZAMORANO	6	21	2B	35	79	.	N	.	3	6	8	5	93-304	
DOR 598	DOR364xSEL1054	ZAMORANO	6	23	2B	34	70	.	N	.	1	7	7	7	93-305	
DOR 601	XAN236x(G18479x(G4017xG6385))	NEGRO SEMIBRILLA	8	19	2B	34	77	.	N	.	5	6	8	7	93-642	
DOR 602	XAN236x(DOR364x(G4017xG2774))	NEGRO SEMIBRILLA	8	19	2B	35	77	.	N	.	5	6	7	7	93-643	
DOR 603	XAN236x(DOR364x(G4017xG2774))	NEGRO SEMIBRILLA	8	19	2B	37	77	.	N	.	4	7	7	8	93-644	
DOR 604	XAN236x(DOR364x(G4017xG2774))	NEGRO OPACO	8	19	2B	35	72	.	N	.	5	6	7	7	93-645	
DOR 605	BAT1554x(DOR364x(G4017xG17682))	NEGRO SEMIBRILLA	8	19	2B	34	72	.	N	.	5	6	7	7	93-646	
DOR 606	BAT1554x(DOR364x(G4017xG17682))	NEGRO BRILLANTE	8	18	2A	35	77	.	N	.	5	7	6	6	93-647	
DOR 607	BAT1554x(DOR364x(G4017xG17682))	NEGRO OPACO	8	17	2A	36	77	.	N	.	8	6	5	6	93-648	
DOR 608	BAT1554x(DOR364x(G4017xG17682))	NEGRO BRILLANTE	8	20	2A	36	77	.	N	.	6	7	7	7	93-649	
DOR 609	BAT1554x(DOR364x(G4017xG17682))	NEGRO OPACO	8	19	2A	37	77	.	N	.	1	7	7	7	93-650	
DOR 610	BAT1554x(DOR364x(G4017xG17682))	NEGRO OPACO	8	19	2A	37	72	.	N	.	5	7	7	7	93-651	
DOR 611	BAT1554x(DOR364x(G4017xG17682))	NEGRO BRILLANTE	8	16	2A	36	72	.	N	.	7	7	7	5	93-652	
DOR 612	BAT1554x(DOR364x(G4017xG17682))	NEGRO SEMIBRILLA	8	19	2B	37	77	.	N	.	5	6	5	7	93-653	
DOR 613	BAT1554x(SEL1053x(A673xG16065))	NEGRO OPACO	8	18	2B	33	77	.	M-N	.	6	7	7	4	93-654	
DOR 614	BAT1554x(SEL1053x(A673xG16065))	NEGRO SEMIBRILLA	8	17	2	34	70	.	N	.	7	7	7	6	93-655	
DOR 615	G18479x(G4017xG16065)	NEGRO BRILLANTE	8	21	2A	38	77	.	N	.	5	6	7	7	93-656	
DOR 616	DOR364x(G4017xDOR368)	NEGRO OPACO	8	19	2B	35	72	.	N	.	5	7	7	7	93-657	
DOR 617	DOR364x(G4017xDOR368)	NEGRO OPACO	8	20	2B	35	77	.	N	.	6	6	7	6	93-658	
DOR 618	XAN236x(DOR364x(G4017xG2774))	NEGRO SEMIBRILLA	8	23	2B	34	79	.	N	.	7	6	7	6	93-659	
DOR 619	IN277x(DOR481xXAN286)	NEGRO OPACO	8	.	2A	.	.	.	N	.	.	.	.	.
DOR 620	IN277x(DOR481xXAN286)	NEGRO BRILLANTE	8	.	2A	.	.	.	N	.	.	.	.	.
DOR 621	IN277x(DOR481xXAN286)	NEGRO SEMIBRILLA	8	.	2A	.	.	.	N	.	.	.	.	.
DOR 622	IN238x(DOR364xAPN146)	NEGRO SEMIBRILLA	8	.	2A	.	.	.	N	.	.	.	.	.
DOR 623	IN238x(DOR364xAPN146)	NEGRO SEMIBRILLA	8	.	2A	.	.	.	N	.	.	.	.	.
DOR 624	SEL1277x(DOR476xAPN148)	NEGRO OPACO	8	.	2A	.	.	.	N	.	.	.	.	.
DOR 625	SEL1277x(DOR476xAPN148)	NEGRO SEMIBRILLA	8	.	2A	.	.	.	N	.	.	.	.	.
DOR 626	SEL1278x(DOR476xAPN148)	NEGRO OPACO	8	.	2A	.	.	.	N	.	.	.	.	.
DOR 627	SEL1278x(DOR476xAPN148)	NEGRO OPACO	8	.	2A	.	.	.	N	.	.	.	.	.

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to				Emp	Ant	CBE	ALS	Rust	Yr	VEF	IB
						Fl	Mt	Fot	BCMV							Ent	YAN
DOR 628	DOR500x(DOR476xMUS130)	NEGRO SEMIBRILLA	8		2B					N							
DOR 629	DOR500x(DOR476xMUS130)	NEGRO OPACO	8		2A					N							
DOR 630	DOR500x(DOR476xMUS130)	NEGRO SEMIBRILLA	8		2B					N							
DOR 631	DOR500x(DOR476xMUS130)	NEGRO OPACO	8		2B					N							
DOR 632	DOR500x(DOR476xMUS130)									N							
DOR 633	DOR500x(DOR476xMUS130)	NEGRO OPACO	8		2B					N							
DOR 634	DOR500x(DOR481xMUS131)	NEGRO OPACO	8		2A					N							
DOR 635	DOR500x(DOR481xMUS131)	NEGRO OPACO	8		2A					N							
DOR 636	DOR500x(DOR481xMUS131)	NEGRO OPACO	8		2A					N							
DOR 637	DOR500x(DOR481xMUS131)	NEGRO OPACO	8		2B					N							
DOR 638	DOR390x(DOR481xKAN286)	NEGRO OPACO	8		2B					N							
DOR 639	DOR390x(DOR481xKAN286)	NEGRO SEMIBRILLA	8		2B					N							
DOR 640	DOR390x(DOR481xKAN286)	NEGRO OPACO	8		2B					N							
DOR 641	DOR390x(DOR481xKAN286)	NEGRO SEMIBRILLA	8		2A					N							
DOR 642	DOR390x(DOR481xKAN286)	NEGRO OPACO	8		2A					N							
DOR 643	DOR390x(DOR481xKAN286)	NEGRO SEMIBRILLA	8		2B					N							
DOR 644	DOR390x(DOR481xKAN286)	NEGRO SEMIBRILLA	8		2B					N							
DOR 645	DOR390x(DOR481xKAN286)	NEGRO OPACO	8		2A					N							
DOR 646	DOR390x(DOR481xKAN286)	NEGRO OPACO	8		2A					N							
DOR 647	DOR390x(DOR364xMUS130)	NEGRO OPACO	8		2B					N							
DOR 648	DOR390x(DOR481xMUS130)	NEGRO BRILLANTE	8		2A					N							
DOR 649	DOR390x(DOR481xMUS130)	NEGRO OPACO	8		2B					N							
DOR 650	DOR390x(DOR481xMUS130)	NEGRO OPACO	8		2A					N							
DOR 651	DOR390x(DOR481xMUS130)	NEGRO OPACO	8		2A					N							
DOR 652	DOR390x(DOR481xMUS130)	NEGRO BRILLANTE	8		2A					N							
DOR 653	DOR390x(DOR481xMUS130)	NEGRO BRILLANTE	8		2A					N							
DOR 654	DOR390x(DOR481xMUS130)	NEGRO SEMIBRILLA	8		2A					N							
DOR 655	DOR390x(DOR481xMUS130)	NEGRO SEMIBRILLA	8		2A					N							
DOR 656	DOR390x(DOR481xMUS130)	NEGRO SEMIBRILLA	8		2A					N							
DOR 657	DOR390x(DOR481xMUS130)	NEGRO OPACO	8		2B					N							
DOR 658	DOR390x(DOR483xAPN148)	NEGRO OPACO	8		2A					N							
DOR 659	DOR390x(DOR483xAPN148)	NEGRO SEMIBRILLA	8		2B					N							
DOR 660	DOR390x(DOR483xAPN148)	NEGRO SEMIBRILLA	8		2A					N							
DOR 661	DOR390x(DOR483xAPN148)	NEGRO BRILLANTE	8		2A					N							
DOR 662	DOR390x(DOR483xAPN148)	NEGRO SEMIBRILLA	8		2A					N							
DOR 663	DOR390x(DOR483xAPN148)	NEGRO OPACO	8		2B					N							
DOR 664	DOR390xSEL1274	NEGRO SEMIBRILLA	8		2B					N							
DOR 665	DOR390xSEL1274									N							
DOR 666	SEL1275xRAB495	NEGRO OPACO	8		2A					N							
DOR 667	SEL1275xSEL1282	NEGRO OPACO	8		2N					N							
DOR 668	SEL1275xSEL1282	NEGRO OPACO	8		2N					N							
DOR 669	SEL1275xSEL1282									N							
DOR 670	SEL1275xSEL1282									N							
DOR 671	SEL1275xSEL1282	NEGRO OPACO	8		2A					N							
DOR 672	SEL1275xSEL1282	NEGRO OPACO	8		2A					N							
DOR 673	SEL1275xSEL1282	NEGRO BRILLANTE	8		2N					N							
DOR 674	SEL1275xSEL1282	NEGRO OPACO	8		2A					N							
DOR 675	SEL1275xSEL1282	NEGRO BRILLANTE	8		2A					N							
DOR 676	SEL1275xSEL1282	NEGRO SEMIBRILLA	8		2A					N							
DOR 677	SEL1275xDOR390	NEGRO BRILLANTE	8		2A					N							
DOR 678	SEL1275xDOR390	NEGRO OPACO	8		2A					N							
DOR 679	SEL1275xDOR390	NEGRO SEMIBRILLA	8		2A					N							
DOR 680	SEL1275xDOR390	NEGRO BRILLANTE	8		2N					N							
DOR 681	SEL1275xDOR390	NEGRO BRILLANTE	8		2A					N							
DOR 682	SEL1275xDOR390	NEGRO SEMIBRILLA	8		2N					N							
DOR 683	SEL1275xDOR390	NEGRO BRILLANTE	8		2N					N							
DOR 683	SEL1275xDOR390	NEGRO SEMIBRILLA	8		2N					N							

Line	Cross	Cult. type	Seed			Days to					VEF	IB					
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
DOR 684	SEL1275x DOR390																N
DOR 685	SEL1275x DOR390	NEGRO OPACO	8		2A												N
DOR 701	RAB495x (DOR481xMUS131)	ZAMORANO	6		2B												N
DOR 702	RAB556x (DOR476xMUS130)	DESARRURAL	6		2A												N
DOR 703	RAB556x (DOR476xMUS130)																N
DOR 704	RAB556x (DOR481xMUS130)	DESARRURAL	6		2A												N
DOR 705	RAB556x (DOR481xMUS130)	DESARRURAL	6		2N												N
DOR 706	RAB556x (DOR481xMUS130)	DESARRURAL	6		2A												N
DOR 707	RAB556x (DOR481xMUS130)																N
DOR 708	SEL986x (DOR476xSEL1235)	DESARRURAL	6		2A												N
DOR 709	SEL986x (DOR476xSEL1235)	DESARRURAL	6		2A												N
DOR 710	SEL986x (DOR476xSEL1235)	DESARRURAL	6		2A												N
DOR 711	SEL986x (DOR476xSEL1235)	DESARRURAL	6		2A												N
DOR 712	SEL986x (DOR476xSEL1235)																N
DOR 713	SEL986x (DOR476xSEL1235)	ROJO DE SEDA	6		2A												N
DOR 714	SEL986x (DOR476xSEL1235)	HONDURAS 46	6		2A												N
DOR 715	SEL986x (DOR476xSEL1235)	DESARRURAL	6		2A												N
DOR 716	SEL986x (DOR476xSEL1235)	ROJO DE SEDA	6		2B												N
DOR 717	SEL986x (DOR476xSEL1235)	RED MEXICAN	6		2A												N
DOR 718	SEL986x (DOR476xSEL1235)	RED MEXICAN	6		2A												N
DOR 719	SEL986x (DOR476xSEL1235)																N
DOR 720	SEL986x (DOR476xSEL1235)	RED MEXICAN	6		2A												N
DOR 721	RAO66x (DOR364xXAN290)																N
DOR 722	RAO66x (DOR481xXAN263)	DESARRURAL	6		2A												N
DOR 723	RAO66x (DOR481xXAN263)	DESARRURAL	6		2N												N
DOR 724	SEL1283x (DOR476xAPN148)	DESARRURAL	6		1												N
DOR 725	SEL1283x (DOR476xAPN148)	DESARRURAL	6		2A												N
DOR 726	SEL1283x (DOR476xAPN148)	ZAMORANO	6		2A												N
DOR 727	SEL1283x (DOR476xAPN148)	DESARRURAL	6		2A												N
DOR 728	ROS24x (DOR481xXAN286)	DESARRURAL	6		2B												N
DOR 729	ROS24x (DOR483xXAN275)	DESARRURAL	6		2A												N
DOR 730	ROS24x (DOR483xXAN275)	DESARRURAL	6		2A												N
DOR 731	ROS42x (DOR481xXAN286)	DESARRURAL	6		2A												N
DOR 732	ROS42x (DOR481xXAN286)	ZAMORANO	6		2A												N
DOR 733	ROS42x (DOR483xXAN275)	ZAMORANO	6		2A												N
DOR 734	ROS42x (DOR483xXAN275)																N
DOR 735	ROS42x (DOR483xXAN275)	DESARRURAL	6		2A												N
DOR 736	ROS42x (DOR483xXAN275)	ZAMORANO	6		2A												N
DOR 737	ROS42x (DOR483xXAN275)	ZAMORANO	6		2A												N
DOR 738	BDHG19776 - SELECCION																N
DOR 739	ROS42x (DOR481xMUS131)	ROSIHA	5		2A												N
DOR 740	ROS42x (DOR481xMUS131)	ZAMORANO	6		2A												N
DOR 741	ROS42x (DOR481xMUS131)	HONDURAS 46	6		2A												N
DOR 742	ROS42x (DOR481xMUS131)	DESARRURAL	6		2A												N
DOR 743	MUS55x (DOR364xAPN146)	HONDURAS 46	6		2A												N
DOR 744	MUS55x (DOR364xAPN146)	HONDURAS 46	6		2B												N
DOR 745	DOR500x (DOR476xMUS130)	DESARRURAL	6		2A												N
DOR 746	DOR500x (DOR476xMUS130)																N
DOR 747	DOR390x (DOR481xXAN286)	DESARRURAL	6		2A												N
DOR 748	DOR390x (DOR364xMUS130)	DESARRURAL	6		2A												N
DOR 749	DOR390x (DOR481xMUS130)																N
DOR 750	DOR390x (DOR481xMUS130)																N
DOR 751	DOR390x (DOR483xAPN148)																N
DOR 752	DOR390x (DOR483xAPN148)																N
DOR 753	DOR390xSEL1274																N
DOR 754	DOR390xSEL1274																N

Line	Cross	Cult. type	Seed			Days to				VEF	IB						
			col.	Wt	Hab	Fl	Mt	Fot	BCMV			Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
DOR 755	DOR390xSEL1274	DESARRURAL	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.
DOR 756	DOR390xSEL1274		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 757	DOR390xSEL1274		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 758	DOR390xSEL1274	ZAMORANO	6	.	2B	.	.	.	.	N	.	.	.	.	.	.	.
DOR 759	DOR390xSEL1274		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 760	SEL1274xSEL1282	DESARRURAL	6	.	2B	.	.	.	.	N	.	.	.	.	.	.	.
DOR 761	SEL1274xSEL1282	ZAMORANO	6	.	2B	.	.	.	.	N	.	.	.	.	.	.	.
DOR 762	SEL1274xSEL1282	DESARRURAL	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.
DOR 763	SEL1274xSEL1282	ZAMORANO	6	.	2B	.	.	.	.	N	.	.	.	.	.	.	.
DOR 764	SEL1274xSEL1282	HONDURAS 46	6	.	2B	.	.	.	.	N	.	.	.	.	.	.	.
DOR 765	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 766	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 767	SEL1274xSEL1283		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 768	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 769	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 770	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 771	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 772	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 773	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 774	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 775	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 776	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 777	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 778	SEL1274xSEL1283		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 779	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 780	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 781	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 782	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 783	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 784	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 785	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 786	SEL1274xSEL1283		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 787	SEL1274xSEL1283		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 788	SEL1274xSEL1283		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 789	SEL1274xSEL1283		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 790	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 791	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 792	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 793	SEL1274xSEL1283		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 794	SEL1274xSEL1283	ZAMORANO	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.
DOR 795	SEL1274xSEL1283		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 796	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 797	SEL1274xSEL1283		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 798	SEL1274xSEL1283	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 799	SEL1274xSEL1283		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 800	SEL1274xSEL1283		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 801	SEL1274xSEL1283		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 802	DOR483xSEL986	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 803	DOR483xSEL986		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 804	DOR483xSEL986	HONDURAS 46	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.
DOR 805	DOR483xSEL986	HONDURAS 46	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.
DOR 806	DOR483xSEL986	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.
DOR 807	DOR483xSEL986		.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
DOR 808	DOR483xSEL986	HONDURAS 46	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.
DOR 809	DOR483xSEL986	ZAMORANO	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.
DOR 810	DOR483xSEL986	HONDURAS 46	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to					VEP	IB							
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
DOR 811	DOR483xSEL986	DESARRURAL	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 812	DOR483xSEL986	DESARRURAL	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 813	DOR483xSEL986	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 814	DOR483xMUS130	ZAMORANO	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 815	DOR483xMUS130	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 816	DOR483xMUS130	DESARRURAL	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 817	DOR483xMUS130	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 818	DOR483xMUS130	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 819	DOR483xMUS130	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 820	DOR483xMUS130	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 821	DOR483xMUS130	ZAMORANO	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 822	DOR483xMUS130	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 823	DOR483xMUS130	ZAMORANO	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 824	DOR483xMUS130	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 825	DOR483xMUS130	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 826	DOR483xMUS130	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 827	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 828	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 829	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 830	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 831	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 832	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 833	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 834	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 835	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 836	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 837	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 838	DOR483xMUS131	ZAMORANO	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 839	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 840	DOR483xMUS131	ZAMORANO	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 841	DOR483xMUS131	ZAMORANO	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 842	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 843	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 844	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 845	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 846	DOR483xMUS131	DESARRURAL	6	.	2N	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 847	SEL1275xRAB495	DESARRURAL	6	.	2B	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 848	SEL1275xRAB495	ZAMORANO	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 849	SEL1275xRAB495	ZAMORANO	6	.	2A	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DOR 850	SEL1275xRAB495	ZAMORANO	6	.	2B	.	.	.	.	N	.	.	.	.	.	.	.	.	.
DRK 1	G21720xA487	DARK RED KIDNEY	6	47	1	32	69	4	M	8	8	6	6	3	87-468				
DRK 2	G21720xA487	DARK RED KIDNEY	6	47	1	32	67	3	M	8	8	7	5	3	87-469				
DRK 3	G21720xA487	DARK RED KIDNEY	6	47	1	34	69	.	M	.	7	7	6	2	87-470				
DRK 4	G21720xA487	DARK RED KIDNEY	6	48	1	33	67	.	M	.	8	7	6	2	87-471				
DRK 5	G21720xA487	DARK RED KIDNEY	6	51	1	33	67	.	M	.	8	7	7	3	87-472				
DRK 6	G21720xA487	DARK RED KIDNEY	6	49	1	33	67	.	M	.	8	7	7	3	87-473				
DRK 7	G21720xA487	DARK RED KIDNEY	6	54	1	31	67	.	M	.	8	7	6	2	87-474				
DRK 8	G21720xA487	DARK RED KIDNEY	6	42	1	32	66	.	M	.	8	7	6	3	87-475				
DRK 9	G21720xA487	DARK RED KIDNEY	6	53	1	33	67	3	M	8	8	7	6	5	87-476				
DRK 10	G515xXAN43	DARK RED KIDNEY	6	46	1	33	65	3	N	9	8	7	7	5	87-477				
DRK 11	G11300xA487	DARK RED KIDNEY	6	48	2	32	66	2	M	8	6	7	6	5	87-478				
DRK 12	G11300xA487	DARK RED KIDNEY	6	43	1	31	65	.	M	.	8	7	6	2	87-479				
DRK 13	G11300xA487	DARK RED KIDNEY	6	45	2	32	65	2	M	8	8	7	6	4	87-480				
DRK 14	G11300xA487	DARK RED KIDNEY	6	47	2	32	66	.	M	.	7	8	5	6	87-481				
DRK 15	G11300xA487	DARK RED KIDNEY	6	47	2	32	67	.	M	.	8	8	5	6	87-482				
DRK 16	G11300xA487	DARK RED KIDNEY	6	50	2	32	65	.	M	.	2	7	6	5	87-483				

Line	Cross	Cult. type	Seed		Days to				VRF							IB
			col.	Wt Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent		YAN
DRK 17	S24990xBAT336	DARK RED KIDNEY	6	46 1	32	67	3	M	8	8	8	6	4	87-484		
DRK 18	XAN42xG13922	DARK RED KIDNEY	6	43 1	32	67		M		8	7	6	3	87-485		
DRK 19	XAN42xG13922	DARK RED KIDNEY	6	45 1	32	67		M		8	7	6	3	87-486		
DRK 20	XAN42xG13922	DARK RED KIDNEY	6	38 1	32	66	3	M	8	8	7	7	4	87-487		
DRK 21	G4450xG5359	DUVA	6	42 1	30	57		M-N	9	7	6	5	4	88-480		
DRK 22	G4452xG5359	DUVA	6	57 1	32	64		M	8	8	5	5	4	88-481		
DRK 23	G13921xG5359	DUVA	6	48 1	30	64		M-N	8	8	6	5	3	88-482		
DRK 24	G21720xZAA55	DUVA	6	60 1	32	74	4	M	8	5	5	5	4	88-483		
DRK 25	G4452xG5359	DUVA	6	53 1	30	64		M	8	8	7	4	4	88-484		
DRK 26	G21720xZAA55	DUVA	6	62 1	33	76		M	9	7	5	5	4	88-485		
DRK 27	CALIMA-2xARGENTINO1	DUVA	6	55 1	33	74		M	9	8	6	4	3	88-486		
DRK 28	CALIMA-2xARGENTINO1	DUVA	6	53 1	32	74		M	9	8	6	4	3	88-487		
DRK 29	S25087xARGENTINO2	DUVA	6	46 1	32	74		M	9	8	7	5	3	88-488		
DRK 30	CALIMA-2xARGENTINO1	DUVA	6	52 1	32	74		M	9	7	7	4	5	88-489		
DRK 31	(G10419xG14368) x (G8131xG14368)	DUVA	6	42 1	31	65		M	9	8	5	6	5	88-490		
DRK 32	CALIMA-2xARGENTINO1	DUVA	6	55 1	33	75	5	M	9	8	6	5	4	88-491		
DRK 33	CALIMA-2xARGENTINO1	DUVA	6	59 1	33	76		M	9	8	6	5	3	88-492		
DRK 34	CALIMA-2xARGENTINO1	DUVA	6	53 1	32	75		M	9	8	6	4	4	88-493		
DRK 35	CALIMA-2xARGENTINO1	DUVA	6	56 1	33	75		M	9	7	7	4	3	88-494		
DRK 36	(G12516xS25083) x (G12516xG5653)	SANGRETORO	6	54	81			M		1		4	4	89-908		
DRK 37	(G11586xS25083) x (G11586xG4452)	SANGRETORO	6	33	79			M		4	7	5	8	89-684		
DRK 38	PVA556xVRB81069	SANGRETORO	6	39 2B	40	69		M		7		7	3	89-476		
DRK 39	E791xA117	SANGRETORO	6	37 2A	38	70		M		6	4	5	3	89-478		
DRK 40	TIB33341xA36	SANGRETORO	6	37 2B	40	69		M		7		6	3	89-477		
DRK 41	PAD29xLIMONE#O-3	DUVA	6	51 1	33	66		M		7		6	3	89-296		
DRK 42	PAD29xLIMONE#O-3	DUVA	6	54 1	32	66		M		7		7	2	89-298		
DRK 43	PAD29xLIMONE#O-3	DUVA	6	53 1	33	66		M		7		6	3	89-297		
DRK 44	PAD29xLIMONE#O-3	DUVA	6	56 1	32	66		M		4	8	7	8	89-300		
DRK 45	(CALIMA-1xARGENTINO2) x (G14013xG5683)	DUVA	6	53 1	33	65		M		5	7	7	8	89-301		
DRK 46	(CALIMA-1xARGENTINO2) x (G14013xG5683)	DUVA	6	57 1	33	66		M		3	8	7	8	89-299		
DRK 47	(CALIMA-1xARGENTINO2) x (G14013xG5683)	DUVA	6	58 1	33	65		M		3	6	7	8	89-302		
DRK 48	(CALIMA-1xARGENTINO2) x (G14013xG5683)	SANGRETORO	6	54 1	33	66		M		7		6	3	89-475		
DRK 49	S25015xA486	DUVA	6	54 2B	30	69		M		6	6	6	6	90-282		
DRK 50	AFR185xAFR86	DUVA	6	51 1	32	71		M		6	7	7	6	90-283		
DRK 51	AFR185xAFR86	DUVA	6	49 1	32	69		M		6	7	7	5	90-284		
DRK 52	AFR185xAFR90	DUVA	6	48 1	32	73	2	M		6	7	6	3	90-285		
DRK 53	AFR185xAFR90	DUVA	6	50 1	32	74		M		6	7	6	4	90-286		
DRK 54	AFR185xAFR90	DUVA	6	50 1	32	73		M		6	7	7	6	90-287		
DRK 55	ZAA54xG4807	ROJO DE SEDA	6	50 1	34	71	4	M		1	7	6	6	90-344		
DRK 56	E1486xPVA5	DUVA	6	49 1	35	76	8	M		1	4	7	6	90-288		
DRK 57	(PVA1426xTIB33341) x (PVA1426xA197)	ROJO DE SEDA	6	34 2B	36	74		M		5	5	6	5	90-345		
DRK 58	PVA5xA486	ROJO DE SEDA	6	45 1	34	76	4	M		1	5	4	7	90-346		
DRK 59	PVA5xA486	ROJO DE SEDA	6	51 1	34	78		M		6	6	6	3	90-347		
DRK 60	(G20554xZAA55) x (G21720xZAA55)	SANGRETORO	6	54 1	35	74	8	N		3	6	7	7	90-406		
DRK 61	AFR159xAFR199	DUVA	6	48 1	32	71		M		6	7	7	5	90-289		
DRK 62	AFR185xAFR86	DUVA	6	51 1	32	73		M		6	7	7	6	90-290		
DRK 63	AFR185xAFR86	DUVA	6	48 1	33	75		M		8	6	7	5	90-291		
DRK 64	AFR185xAFR88	DUVA	6	52 1	34	72		M		8	7	7	6	90-292		
DRK 65	AFR185xAFR90	DUVA	6	50 1	32	71		M		7	7	6	5	90-293		
DRK 66	(CALIMA-1xARGENTINO2) x (G14013xG5683)	SANGRETORO	6	39	34	72		M		3	5	7	7	90-407		
DRK 67	ZAA54xBAT1253	DUVA	6	47 1	35	75		M		6	6	6	5	90-294		
DRK 68	PVA7xAFR169	DUVA	6	53 1	35	70		M		2	7	6	4	91-213		
DRK 69	PVA7xAFR169	DUVA	6	54 1	36	71		M		2	7	7	6	91-214		
DRK 70	PVA7xAFR169	DUVA	6	56 1	36	72		M		2	7	7	5	91-215		
DRK 71	PVA7xAFR169	DUVA	6	52 1	36	72		M		2	7	6	5	91-216		
DRK 72	PVA7xAFR169	DUVA	6	51 1	36	72		M		2	6	7	5	91-217		

Line	Cross	Cult. type	Seed			Days to								VEF Yr Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust
DRK 73	BOVAC2116x (BOVAC2116xG76)	DUVA	6	55	1	36	72	.	M	.	1	7	7	4	91-218	
DRK 74	BOVAC2116x (BOVAC2116xG76)	DUVA	6	54	1	36	72	.	M	.	1	6	7	5	91-219	
DRK 75	BOVAC2116x (BOVAC2116xG76)	DUVA	6	53	1	35	71	.	M	.	1	7	7	4	91-220	
DRK 76	BOVAC2116x (BOVAC2116xG76)	DUVA	6	54	1	35	71	.	M	.	1	7	7	5	91-221	
DRK 77	BOVAC2116x (BOVAC2116xG76)	DUVA	6	54	1	35	70	.	M	.	1	6	7	5	91-222	
DRK 78	DRK14xCAL82	RED KIDNEY	6	48	2A	35	67	.	M	.	8	7	6	3	91-285	
DRK 79	AFR332xZAA53	DUVA	6	52	2A	34	68	.	M	.	2	7	8	4	91-223	
DRK 80	DRK16xAFR169	DUVA	6	46	2B	36	49	.	M	.	6	7	8	4	91-224	
DRK 81	DRK14xCAL82	DUVA	6	57	2B	35	69	.	M	.	8	7	8	3	91-225	
DRK 82	DRK14xCAL82	DUVA	6	59	2B	35	69	.	M	.	7	7	8	2	91-226	
DRK 83	PVA1151x (PVA1151xXAN170)	DUVA	6	49	1	38	74	.	M	.	2	6	8	3	91-227	
DRK 84	PVA1151x (PVA1151xXAN170)	DUVA	6	49	1	38	73	.	M	.	1	6	7	3	91-228	
DRK 85	PVA1151x (PVA1151xXAN170)	DUVA	6	46	1	38	74	.	M	.	3	6	7	3	91-229	
DRK 86	DRK14xCAL82	DUVA	6	48	2A	35	69	.	M	.	8	6	8	2	91-230	
DRK 87	DRK14xCAL82	DUVA	6	55	2A	35	68	.	M	.	8	6	8	2	91-231	
DRK 88	DRK16xAFR169	DUVA	6	47	2A	34	69	.	M	.	6	7	8	4	91-232	
DRK 89	AFR243xZAA53	DUVA	6	48	2A	35	70	.	M	.	2	6	8	5	91-233	
DRK 90	AFR311xAND683	DUVA	6	40	2B	38	72	.	M	.	8	7	8	4	91-234	
DRK 91	AFR243xAND628	SANGRETORO	6	40	1	30	69	4	M	.	1	4	7	3	92-558	
DRK 92	DRK5x (ZAA2xAFR192)	SANGRETORO	6	37	1	31	65	4	M	.	1	6	6	2	92-559	
DRK 93	DRK5x (AFR180xPVA3047)	SANGRETORO	6	40	1	32	66	4	M	.	1	6	7	3	92-560	
DRK 94	RADSANGILx (AFR180xPVA1111)	SANGRETORO	6	50	1	29	67	4	M	.	1	7	6	3	92-561	
DRK 95	RADSANGILx (AFR180xPVA1111)	SANGRETORO	6	51	1	30	68	4	M	.	1	7	6	3	92-562	
DRK 96	RADSANGILx (PVA7xAFR169)	SANGRETORO	6	47	1	29	69	8	M	.	1	6	7	3	92-563	
DRK 97	DRK16x (CALIMAXDNTIMOT310)	SANGRETORO	6	38	2A	31	67	4	O	.	1	6	6	3	92-564	
DRK 98	DRK24x (AND696xAFR298)	SANGRETORO	6	42	1	33	70	4	M	.	1	4	7	3	92-565	
DRK 99	DRK24x (AND689xAFR298)	SANGRETORO	6	44	1	33	70	8	M	.	1	7	7	3	92-566	
DRK 100	DRK24x (AND689xAFR298)	SANGRETORO	6	46	1	32	71	4	M	.	1	6	5	3	92-567	
DRK 101	S24965xBAT1386	SANGRETORO	6	38	1	30	68	4	M	.	1	7	6	3	92-568	
DRK 102	DRK9xAFR461	SANGRETORO	6	38	1	34	67	8	N	.	1	5	6	2	92-569	
DRK 103	DRK9xAFR461	SANGRETORO	6	37	1	31	67	5	N	.	1	6	6	2	92-570	
DRK 104	DRK9xAFR461	SANGRETORO	6	40	1	31	70	5	N	.	1	6	6	2	92-571	
DRK 105	DRK9xCAL102	SANGRETORO	6	41	1	34	70	8	N	.	2	5	6	3	92-572	
DRK 106	DRK13xCAL102	SANGRETORO	6	47	2B	34	72	4	N	.	1	4	4	3	92-573	
DRK 107	DRK13xCAL102	RADICAL	6	49	2B	39	77	8	N	.	1	3	6	2	92-522	
DRK 108	PAD123x (DRK4xAFR461)	SANGRETORO	6	37	1	34	73	.	N	.	8	5	4	4	93-454	
DRK 109	PAD123x (DRK4xAFR461)	SANGRETORO	6	49	1	32	70	.	N	.	7	6	4	4	93-455	
DRK 110	DRK9xAFR461	DUVA	6	50	1	34	80	.	M	.	7	6	4	3	93-392	
DRK 111	LICA30221 - SELECCION	SANGRETORO	6	53	1	32	79	.	M	.	8	7	5	3	93-456	
DRK 112	LICA10221 - SELECCION	SANGRETORO	6	47	1	33	77	.	M	.	7	7	4	3	93-457	
DRK 113	AFR298x (DRK9xAFR291)	SANGRETORO	6	.	.	43	90	.	M	.	2	6	4	4	93-736	
DRK 114	AFR298x (DRK9xAFR291)	SANGRETORO	6	.	.	43	91	.	M	.	1	7	7	4	93-737	
DRK 115	AFR298x (DRK9xAFR291)	SANGRETORO	6	.	.	47	94	.	M	.	1	6	7	3	93-738	
DRK 116	DRK13x (DRK16xARGENTINO)	SANGRETORO	6	.	.	49	94	.	M	.	1	7	7	4	93-739	
DRK 117	DRK13x (DRK16xDUVA)	SANGRETORO	6	.	.	50	95	.	M	.	6	6	7	4	93-740	
DRK 118	DRK16x (SUG56xAFR392)	SANGRETORO	6	52	3	34	89	.	M	.	5	5	5	3	93-458	
DRK 119	DRK16x (AFR315xRADSANGIL)	SANGRETORO	6	45	2B	33	70	.	M	.	5	5	7	4	93-459	
DRK 120	ZAA53x (DRK14xPVA800)	SANGRETORO	6	53	3	34	81	.	N	.	6	5	4	3	93-460	
EMP 1	G2005xG3834	NEGRO	8	21	2	41	.	.	N	.	6	8	7	1	78-202	
EMP 2	G2084xG4122		7	21	2	41	.	.	N	.	3	8	5	.	78-203	
EMP 3	G2084xG4122		2	21	2	41	.	.	N	.	4	8	9	.	78-204	
EMP 4	G2084xG4122		7	21	2	41	.	.	N	.	4	8	7	.	78-205	
EMP 5	G2084xG4122		7	21	2	41	.	.	N	.	3	8	9	5	78-206	
EMP 6	G2084xG4122		7	21	2	41	.	.	N	.	3	8	9	.	78-207	
EMP 7	G2084xG4194		8	21	2	43	.	.	N	.	5	8	9	.	78-208	
EMP 8	G4454xG4122	NEGRO	7	21	2	44	.	.	N	.	5	8	7	3	78-210	

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV								
EMP 9	G4177xG4122	NEGRO	8	21	2	44	.	3	N	6	5	7	.	2	78-211		
EMP 10	G4177xG3834		7	21	2	.	.	.	N	6	8	7	5	2	78-212		
EMP 11	G3627xG832	NEGRO	8	21	2	43	.	.	N	5	8	9	.	8	78-213		
EMP 12	G4122xG3834	NEGRO	8	21	2	.	.	.	N	5	8	7	.	8	78-214		
EMP 13	G4122xG3834	NEGRO	8	21	2	43	.	.	N	5	8	7	.	8	78-215		
EMP 14	G4122xG4194	NEGRO	8	21	2	43	.	.	N	4	8	7	3	8	78-217		
EMP 15	G4122xG5054	NEGRO	8	21	2	44	.	1	N	5	8	7	.	8	78-218		
EMP 16	G4122xG5054		7	21	2	.	.	.	N	5	8	7	5	8	78-219		
EMP 17	G4122xG5054	NEGRO	8	21	2	43	.	1	N	4	8	7	5	8	78-220		
EMP 18	G4122xG5054		7	21	2	42	.	.	N	4	8	7	5	8	78-221		
EMP 19	G4122xG5054		7	21	2	42	.	.	N	5	8	7	5	8	78-222		
EMP 20	G4122xG832	NEGRO	8	21	2	42	.	1	N	5	8	7	3	8	78-223		
EMP 21	G4122xG832		7	21	2	42	.	1	N	4	5	7	.	8	78-224		
EMP 22	G4122xG832	NEGRO	8	21	2	40	.	.	N	5	8	7	5	8	78-225		
EMP 23	G4122xG5004		7	21	3	40	.	1	N	5	8	7	.	8	78-226		
EMP 24	G4122xG5213	NEGRO	8	21	3	40	.	1	N	4	8	7	5	8	78-227		
EMP 25	G4122xG5213	NEGRO	8	21	3	40	.	.	N	5	8	9	5	8	78-228		
EMP 26	G4122xG5213	NEGRO	8	21	2	43	.	.	N	6	8	9	3	8	78-229		
EMP 27	G4122xG5213	NEGRO	8	21	2	41	.	.	N	4	8	9	5	8	78-230		
EMP 28	G4194xG5208		2	21	2	41	.	1	N	4	8	7	5	8	78-231	79	
EMP 29	G4421xG3834		2	21	2	44	.	.	N	5	8	9	.	8	78-593		
EMP 30	G4421xG4194		2	21	2	42	.	.	N	6	8	9	.	8	78-595		
EMP 31	G4421xG4194		2	21	2	42	.	.	N	4	8	7	.	8	78-596		
EMP 32	G4421xG4194		2	21	2	42	.	.	N	6	8	9	.	8	78-597		
EMP 33	G4421xG5213		2	21	2	44	.	.	N	6	8	7	.	8	78-598		
EMP 34	G4421xG5213		2	21	2	44	.	.	N	5	8	7	.	8	78-599		
EMP 35	G4421xG5213		2	21	2	44	.	.	N	5	8	7	.	8	78-600		
EMP 36	G5141xG3834	NEGRO	8	21	2	42	.	.	N	5	8	7	.	8	78-606		
EMP 37	G5141xG3834		2	21	2	41	.	.	N	6	8	7	.	8	78-607		
EMP 38	G5141xG5054	NEGRO	8	21	2	41	.	.	N	6	8	9	.	8	78-608		
EMP 39	G5141xG1349	NEGRO	8	21	2	44	.	.	N	5	8	7	.	8	78-609		
EMP 40	G5141xG1349	NEGRO	8	21	2	41	.	.	N	5	8	9	.	8	78-610		
EMP 41	G4421xG2084	NEGRO	8	21	2	42	.	.	N	5	8	7	5	8	78-611		
EMP 42	G5141xG1349	NEGRO	8	21	2	41	.	.	N	5	8	7	3	8	78-612		
EMP 43	G5141xG4177	NEGRO	8	21	2	42	.	.	N	5	8	9	.	8	78-613		
EMP 44	G5141xG4177		7	21	2	42	.	.	N	5	8	7	.	8	78-614		
EMP 45	G5141xG4177		7	21	2	42	.	.	N	5	8	9	.	8	78-615		
EMP 46	G5141xG5213	NEGRO	8	21	2	44	.	.	N	6	8	7	.	8	78-616		
EMP 47	G5141xG5213	NEGRO	8	21	2	41	.	.	N	6	8	7	.	8	78-617		
EMP 48	G3607xG2084		7	21	2	41	.	.	N	6	8	7	.	8	78-618		
EMP 49	G3607xG2084	NEGRO	8	21	2	41	.	.	N	5	8	7	.	8	78-619		
EMP 50	G3607xG2084	NEGRO	8	21	2	41	.	.	N	5	8	7	.	8	78-620		
EMP 51	G3607xG832	NEGRO	8	21	2	40	.	.	N	5	8	9	.	8	78-621		
EMP 52	G3607xG832	NEGRO	8	21	2	40	.	.	N	4	8	7	.	8	78-622		
EMP 53	G3607xG832		7	21	2	40	.	.	N	5	8	7	.	8	78-623		
EMP 54	G3607xG832		7	21	2	42	.	.	N	5	8	7	3	8	78-624		
EMP 55	G3681x((G5004xG5213)x(G4122x...		.	.	.	.	.	.	N	.	.	.	.	.	.
EMP 56	G3681x((G3834xG832)x(G2084x...		.	.	.	.	.	.	N	.	.	.	.	.	.
EMP 57	G3182x((G5208xG832)x(G4177x...		.	.	.	.	.	.	N	.	.	.	.	.	.
EMP 58	G4485x(G5141xG4177)		.	.	.	.	.	.	N	.	.	.	.	.	.
EMP 59	G4485x(G5141xG1349)		.	.	.	.	.	.	N	.	.	.	.	.	.
EMP 60	G4485x(G5141xG1349)	NEGRO OPACO	8	19	2	39	.	.	N	7	5	9	1	7	80-214	81	
EMP 61	G1669x((G5208xG832)x(G2084x...		.	.	.	.	.	.	N	.	.	.	.	.	.
EMP 62	G2515x(G4194xG5004)		.	.	.	.	.	.	N	.	.	.	.	.	.
EMP 63	G4176x(G4122xG5213)		.	.	.	.	.	.	N	.	.	.	.	.	.
EMP 64	G5144x(G5141xG5054)		.	.	.	.	.	.	N	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to							VEF		IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
EMP 121	G8079xBAT1155	NEGRO BRILLANTE	8	16	2	40	70	.	N	.	7	8	2	7	81-134		
EMP 122	G4494xSEL97		7M	31	2A	38	73	.	M	.	9	8	5	6	83-611		
EMP 123	EMP77xBAT1155		6	20	2A	42	76	.	N	.	9	3	8	7	83-145		
EMP 124	G8059xBAT848		1	17	3A	41	81	.	N	.	9	7	7	7	83-792		
EMP 125	G8059xBAT848		1	17	2A	40	81	.	N	.	7	8	6	4	5	83-770	
EMP 126	G8079xBAT93		1	17	2A	42	88	.	N	.	7	7	8	6	5	83-772	
EMP 127	EMP83xBAT859		2R	20	3B	41	73	4	N	.	9	6	7	6	1	83-1130	
EMP 128	EMP88xBAT1155		4M	17	2A	36	73	.	N	.	7	8	7	3	1	83-857	
EMP 129	EMP89xBAT338		2	18	3B	41	75	.	N	.	7	4	6	7	1	83-1113	
EMP 130	EMP92xBAT82		1	18	3A	36	73	.	N	.	7	8	6	4	1	83-797	
EMP 131	EMP92xBAT82		1	18	3A	36	82	.	N	.	9	7	6	6	5	83-787	83
EMP 132	EMP92xG1994		1	19	1	38	82	.	N	.	7	6	7	8	5	83-761	
EMP 133	EMP93xBAT82		1	21	3A	40	85	.	N	.	9	7	6	6	5	83-786	
EMP 134	EMP81xEMP82		2	19	2B	39	73	1	N	.	7	8	7	6	1	83-1021	
EMP 135	EMP81xEMP84		2	18	2B	43	75	1	N	.	7	7	7	5	1	83-1022	84
EMP 136	EMP82xEMP70	NEGRO	8	22	2A	40	76	.	N	.	7	8	9	5	5	83-27	
EMP 137	EMP85xEMP89		3	17	3B	41	75	.	N	.	9	8	6	5	5	83-1137	
EMP 138	EMP85xEMP89		4	19	3B	41	73	.	N	.	6	4	7	4	1	83-1143	
EMP 139	EMP85xEMP89		3	16	3B	42	81	.	N	.	9	6	7	6	5	83-1138	
EMP 140	EMP92xG4454		1	17	3A	42	85	.	N	.	9	7	8	6	5	83-800	
EMP 141	EMP92xG4454		1	17	3A	43	85	.	N	.	7	7	8	6	5	83-791	
EMP 142	BAT1225xEMP82		6J	20	2B	39	68	.	N	.	9	6	7	6	5	83-659	
EMP 143	EMP6xBAT489	MULATINHO	2	21	3	47	78	1	N	.	6	7	8	6	5	84-553	86
EMP 144	DOR84xBAT848	HONDURAS 46	6	19	2A	47	77	.	N	.	7	7	8	6	7	84-46	
EMP 145	DOR84xBAT848	HUETAR	6	23	2A	47	77	.	N	.	6	8	8	6	7	84-47	
EMP 146	G11487xBAT1155	CARIOCA	2R	23	3	47	81	.	N	.	7	6	8	5	7	84-554	
EMP 147	DESCONOCIDO	CHUMBINHO	4	26	2B	46	77	1	N	.	7	5	9	5	5	84-555	86
EMP 148	G8079xBAT1155	NEGRO OPACO	8	26	2B	47	84	2	N	.	7	5	9	6	3	84-3	86
EMP 149	A140xEMP115		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
EMP 150	A140xEMP115	MULATINHO	2	21	2A	40	75	.	N	.	5	5	7	.	5	85-693	87
EMP 151	A140xEMP115		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
EMP 152	BAT1215xSEL216		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
EMP 153	BAT1215xSEL216	HONDURAS 46	6	23	3	39	73	.	N	.	7	6	9	6	5	85-694	
EMP 154	BAT1215xSEL220	SMALL WHITE	1	22	2	42	75	.	N	.	5	.	8	.	5	85-695	
EMP 155	BAT1215xSEL220	HONDURAS 46	6	23	3	43	77	8	N	.	7	7	8	8	5	85-696	
EMP 156	BAT1155xSEL199	HONDURAS 46	6	18	2	39	71	3	N	.	8	7	8	7	7	85-697	
EMP 157	BAT1215xSEL212		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
EMP 158	DOR44xSEL197	NEGRO OPACO	8	22	2	37	68	1	N	.	7	6	7	8	6	85-698	87
EMP 159	DOR44xSEL207		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
EMP 160	EMP83xSEL204		2	22	2B	40	75	.	N	.	4	4	9	5	5	85-699	
EMP 161	EMP92xSEL220	NAVY	1	16	2	45	77	8	N	.	7	3	7	6	7	85-700	
EMP 162	EMP92xSEL220	BAT 1297	6M	23	2	38	73	1	N	.	9	7	9	6	7	85-701	
EMP 163	G13500xSEL195		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
EMP 164	G13500xSEL195	NAVY	1	16	2A	41	74	.	N-M	.	4	7	8	6	7	85-702	
EMP 165	G13500xSEL195		.	.	.	.	.	.	N-M	.	.	.	.	.	.	.	.
EMP 166	G13500xSEL197		.	.	.	.	.	.	N-M	.	.	.	.	.	.	.	.
EMP 167	RIZ4xSEL219	SMALL WHITE	1	20	2A	38	73	1	N	.	7	6	7	7	7	85-703	
EMP 168	EMP129xSEL246		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
EMP 169	EMP101xEMP83		2	21	2B	41	75	1	N	.	7	6	9	7	7	85-704	
EMP 170	SEL217xBAT1105		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
EMP 171	SEL218xBAT1225	BAT 1297	6M	21	2	38	66	1	N	.	9	6	9	7	8	85-705	
EMP 172	SEL218xBAT1225		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
EMP 173	SEL218xBAT1225		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
EMP 174	SEL242xEMP141		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
EMP 175	SEL242xEMP141	SMALL WHITE	1	18	2	43	77	1	N	.	8	2	7	6	5	85-706	87
EMP 176	BAT1511xEMP127	CARIOCA	2R	24	2B	41	73	.	N	.	4	4	8	7	5	85-707	87

Line	Cross	Cult. type	Seed			Days to							VEF		IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
EMP 177	SEL403xBAT1366		7M	. 1		32	65	.	N	.	7	8	4	6	87-793	
EMP 178	SEL405xBAT1366		7M	. 1		34	68	3	N	7	8	7	7	6	87-794	
EMP 179	SEL406xBAT1366								N							
EMP 180	SEL405xBAT1366		7M	. 1		33	65	4	N	7	8	6	7	4	87-795	
EMP 181	SEL405xBAT1366		7M	. 1		34	68	.	N	.	7	7	5	6	87-796	
EMP 182	SEL405xBAT1366								N							
EMP 183	SEL405xBAT1366								N							
EMP 184	SEL405xBAT1366		7M	. 1		33	68	.	N	.	3	8	5	7	87-797	
EMP 185	BAT1366xBAT1727								N							
EMP 186	BAT1366xBAT1727								N							
EMP 187	G4525xEMP175	NEGRO SEMIBRILLA	8	. 2		36	61	1	N	8	8	7	7	6	87-782	
EMP 188	EMP135xSEL701		2	. 2B		35	67	1	N	6	5	7	7	5	87-783	
EMP 189	EMP170xEMP174	NEGRO SEMIBRILLA	8	. 2		37	67	1	N	7	6	7	7	6	87-784	89
EMP 190	EMP135xEMP158		2	. 2		36	65	.	N	.	7	7	6	6	87-785	
EMP 191	G4525xEMP170								N							
EMP 192	G4525xEMP158	NEGRO SEMIBRILLA	8	. 2		35	63	1	N	7	8	7	7	6	87-786	89
EMP 193	EMP135xSEL701		2	. 2		36	65	1	N	7	7	7	7	6	87-787	
EMP 194	G4525xEMP174		1	. 2		36	67	1	N	7	8	7	7	7	87-788	89
EMP 195	SEL602xEMP94	NEGRO OPACO	8	. 2		35	65	.	N	.	7	7	6	7	87-789	
EMP 196	EMP135xEMP175		2	. 2		37	65	.	N	.	1	7	6	5	87-790	
EMP 197	SEL701xEMP175		2R	. 2		37	67	.	N	.	2	7	4	5	87-791	
EMP 198	G4525xEMP175								N							
EMP 199	SEL602xEMP94	NEGRO SEMIBRILLA	8	. 2		36	65	.	N	.	7	7	6	7	87-792	
EMP 200	G4525xEMP175								N							
EMP 201	EMP84xEMP43	NEGRO	8	21 2A		39	67	.	N	.	8	.	7	7	89-644	
EMP 202	EMP101xG4525	NEGRO	8	22 2A		39	62	.	N	.	7	.	7	6	89-645	
EMP 203	EMP101xDOR41	NEGRO	8	23 2A		39	67	.	N	.	7	.	7	6	89-646	
EMP 204	EMP101xDOR41	NEGRO	8	23 2A		38	67	.	N	.	7	.	7	7	89-647	
EMP 205	EMP101xDOR41	NEGRO	8	20 2A		39	67	.	N	.	7	.	7	7	89-648	
EMP 206	BAT448xEMP84	NEGRO	8	21 2A		39	67	.	N	.	8	.	6	7	89-649	
EMP 207	EMP135xEMP87	MULATINHO	2	24 2A		38	68	.	N	.	5	6	8	4	89-108	
EMP 208	EMP135xEMP86	MULATINHO	2	24 2A		38	65	.	N	.	1	.	8	3	89-109	
EMP 209	EMP135xEMP86	MULATINHO	2	23 2A		38	65	.	N	.	7	.	8	3	89-110	
EMP 210	EMP135xEMP86	MULATINHO	2	25 2A		39	63	.	N	.	6	7	7	5	89-111	
EMP 211	EMP140xEMP175	SMALL WHITE	1	20 2A		40	67	.	N	.	7	7	7	7	89-14	
EMP 212	EMP140xEMP175	SMALL WHITE	1	17 2A		38	65	.	N	.	5	7	7	4	89-15	
EMP 213	EMP176xEMP97	CARIOCA	2	23 2B		39	63	.	N	.	7	7	7	7	89-64	
EMP 214	EMP176xEMP97	CARIOCA	2	23 2B		38	63	.	N	.	6	5	7	5	89-65	
EMP 215	G5773x (EMP66xDOR62)	NEGRO	8	25 2A		39	62	.	N	.	7	.	7	7	89-650	
EMP 216	BAT448x (EMP86xEMP87)	MULATINHO	2	20 2A		39	61	.	N	.	6	.	7	5	89-112	
EMP 217	G4495x (EMP134xBAT1554)	NEGRO	8	22 2A		39	65	.	N	.	7	.	7	5	89-651	
EMP 218	PVB1775xEMP135	CARIOCA	2	24 2A		39	66	.	N-M	.	5	.	7	6	89-66	
EMP 219	PVB1775xEMP135	MULATINHO	2	26 2A		39	66	.	N	.	5	.	8	6	89-113	
EMP 220	PVB1775xEMP135	MULATINHO	2	23 2A		40	66	.	N	.	5	6	7	7	89-114	
EMP 221	PVB1775xEMP135	CARIOCA	2R	23 2A		38	63	.	N	.	5	7	6	6	89-67	
EMP 222	EMP155x (EMP98xRAB64)	HUETAR	6	27 2A		39	65	.	N	.	6	.	7	5	89-464	
EMP 223	EMP155x (EMP98xRAB181)	HUETAR	6	24 2A		38	63	.	N	.	8	3	7	5	89-465	
EMP 224	EMP155x (EMP98xBAT1514)	HUETAR	6	26 2A		39	66	.	N	.	6	7	7	7	89-466	
EMP 225	EMP155xEMP135	BICO DE OURO	2	24 2B		. 68	.	.	N	.	7	.	6	3	89-34	
EMP 226	EMP162x (EMP153xRAB49)	BAT 1297	6	25 2A		39	63	.	N	.	8	.	8	6	89-267	
EMP 227	EMP162x (EMP153xRAB49)	BAT 1297	6	24 2B		40	66	.	N	.	7	.	7	7	89-268	
EMP 228	EMP162x (EMP153xRAB49)	BAT 1297	6	27 2B		38	61	.	N	.	7	.	8	7	89-269	
EMP 229	EMP162xEMP153	HUETAR	6	25 2A		34	62	.	N	.	8	.	8	5	89-467	
EMP 230	EMP162xEMP153	BAT 1297	6	28 2A		38	63	.	N	.	7	.	8	7	89-270	
EMP 231	EMP162xEMP153	HONDURAS 46	6	28 2B		38	66	.	N	.	8	.	8	7	89-309	
EMP 232	EMP162x (EMP98xBAT1514)	BAT 1297	6	23 2A		38	63	.	N	.	8	.	8	7	89-271	

Line	Cross	Cult. type	Seed		Days to				BCMV	Emp	Ant	CBB	ALS	Rust	VEP Yr Ent	IB YAN
			col.	Wt Hab	Fl	Mt	Pot									
EMP 233	EMP175x(EMP140xEMP154)	NAVY	1	23 2A	37	65	.	N	.	7	7	7	5	89-10		
EMP 234	EMP175x(EMP140xEMP154)	SMALL WHITE	1	23 2A	38	67	.	N	.	7	.	6	6	89-16		
EMP 235	EMP175x(EMP140xEMP154)	NAVY	1	25 2A	38	66	.	N	.	8	7	7	7	89-11		
EMP 236	G3826x(EMP86xEMP87)	MULATINHO	2	21 2A	38	65	.	N	.	8	.	7	6	89-115		
EMP 237	G4525xG4495	NEGRO OPACO	8	23 2	37	76	.	N	.	7	7	7	7	90-495		
EMP 238	G4525xG7113	NEGRO OPACO	8	20 2	37	76	.	N	.	7	6	7	8	90-496		
EMP 239	G4495xG1884	NEGRO OPACO	8	23 2	37	71	.	N	.	8	5	8	8	90-497		
EMP 240	G4495xG2084	NEGRO OPACO	8	24 2	36	74	.	N	.	7	7	7	8	90-498		
EMP 241	G4495xEMP175	SMALL WHITE	1	12 2	38	77	.	N	.	4	6	7	7	90-7		
EMP 242	EMP135xBAN14	MULATINHO	2	16 2	37	75	.	N	.	1	8	8	3	90-120		
EMP 243	EMP135xA83	CARIOCA	2R	23 2	37	75	.	N	.	7	7	8	8	90-79		
EMP 244	EMP135xA83		2	24 2	38	75	.	N	.	1	7	7	2	90-129		
EMP 245	A697xFEB117	CARIOCA	2R	29 2	35	79	3	N	.	4	6	7	3	90-80		
EMP 246	A697xEMP97	CARIOCA	2R	22 2	37	78	1	N	.	6	7	7	8	90-81		
EMP 247	EMP175xEMP147	SMALL WHITE	1	20 2	37	75	1	N	.	7	7	8	7	90-8		
EMP 248	G7360xG7361	HONDURAS 46	6	31 2	37	76	.	N	.	8	6	7	7	90-297		
EMP 249	EMP135xA83	CARIOCA	2R	24 2	37	78	8	N	.	2	8	7	3	90-82		
EMP 250	EMP135xA83	CARIOCA	2R	24 2	38	75	2	N	.	2	6	7	3	90-83		
EMP 251	EMP135xA83	MULATINHO	2	26 2	38	75	2	N	.	6	7	8	8	90-121		
EMP 252	EMP135xA83	CARIOCA	2R	33 2	37	79	1	N	.	4	5	7	8	90-84		
EMP 253	BAT1366xG2182	SANGRETORO	6	28 1	31	66	.	N	.	7	7	7	7	90-408		
EMP 254	BAT1366xG2182	DUVA	6	40 1	36	69	.	M	.	7	7	6	6	90-295		
EMP 255	BAT1366xG7295	BAYO ANDINO	2	35 1	33	69	.	M	.	4	6	7	2	90-47		
EMP 256	BAT1366xG7295	BAYO ANDINO	2	36 1	34	69	.	N-M	.	7	6	7	7	90-48		
EMP 257	BAT1366xG7295	BAYO ANDINO	2	42 1	33	78	1	N	.	6	6	7	2	90-49		
EMP 258	BAT1366xG7295	GUALI	7M	28 1	33	71	.	N-M	.	6	7	4	2	90-430		
EMP 259	BAT1366xG7295	GUALI	7M	29 1	34	70	.	M	.	6	7	4	7	90-431		
EMP 260	ZAA8xG7295	BAYO ANDINO	2	36 1	32	71	.	N-M	.	7	7	8	2	90-50		
EMP 261	ZAA8xG7295	GUALI	7M	35 1	35	72	.	N	.	6	6	7	2	90-432		
EMP 262	ZAA8xG7295	GUALI	7M	43 1	35	75	.	N	.	6	7	7	3	90-433		
EMP 263	ZAA8xG7295	BAYO ANDINO	2	46 1	34	74	1	N	.	5	6	7	2	90-51		
EMP 264	PVA957xPAI129	FRIJOLICA P11	6M	30 2	35	72	.	N	.	5	7	7	6	90-302		
EMP 265	PVA957xPAI129	FRIJOLICA P11	6M	30 2	35	75	.	N	.	4	7	7	6	90-303		
EMP 266	G7295xEMP135	BICO DE OURO	2	22 2	40	80	1	N	.	3	6	7	2	90-59		
EMP 267	A132xEMP135	MULATINHO	2	25 2	38	78	1	N	.	2	5	7	7	90-122		
EMP 268	BAT448xIN109	NEGRO OPACO	8	18 2	35	71	.	N	.	7	6	7	3	90-499		
EMP 269	BAT448xIN109	NEGRO OPACO	8	25 2	37	71	.	N	.	7	7	7	7	90-500		
EMP 270	BAT1404xZAA8	GUALI	7M	47 1	34	69	.	N	.	6	4	6	3	90-428		
EMP 271	NAG91xG5773	NEGRO OPACO	8	25 2	36	76	1	N	.	1	7	8	7	90-501		
EMP 272	G11154xEMP177	CALIMA	6M	27 2A	33	66	.	N	.	1	6	3	5	92-403		
EMP 273	G11154xEMP177	MULATINHO	2	26 1	33	70	.	N	.	4	8	5	4	92-228		
EMP 274	G10076xEMP179		.	.	.	.	.	N	.	.	.	.	.	.	.
EMP 275	G11485xEMP182	POMPADOUR	7M	29 1	29	67	2	N	.	1	8	6	3	92-647		
EMP 276	EMP177xG2182		.	.	.	.	.	N	.	.	.	.	.	.	.
EMP 277	EMP178xPVA800	POMPADOUR	7M	33 2A	33	67	3	N	.	1	8	6	3	92-648		
EMP 278	EMP179xAFR242		.	.	.	.	.	N	.	.	.	.	.	.	.
EMP 279	RAB59xEMP190	ROSINHA	5	22 2	35	72	.	N	.	5	6	6	5	92-372		
EMP 280	RAB59xEMP190	ROSINHA	5	24 2	37	72	.	N	.	5	7	6	4	92-373		
EMP 281	RAO33xG5773	HUETAR	6	26 2	34	70	.	N	.	8	8	7	5	92-469		
EMP 282	RAO33xG5773	A 21	6	26 2	35	67	.	N	.	8	8	7	5	92-380		
EMP 283	RAO33xG5773	HUETAR	6	23 2	36	70	.	N	.	7	8	4	5	92-470		
EMP 284	RAO33xEMP187	ZAMORANO	6	24 2A	35	69	1	N	.	6	7	7	6	92-594		
EMP 285	RAO33xEMP187	HUETAR	6	22 2A	35	68	.	N	.	6	7	4	5	92-471		
EMP 286	EMP153xRAB49	ZAMORANO	6	24 2A	34	72	4	N	.	4	7	7	4	92-424		
EMP 287	ABA2xEMP154	GREAT NORTHERN	1	24 1	31	69	4	N	.	1	7	6	5	92-38		
EMP 288	WAF42xEMP175	SMALL WHITE	1	18 2A	36	69	1	N	.	4	6	3	5	92-140		

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
EMP 289	EMP175xEMP154	SMALL WHITE	1	21	2A	.	75	4	N	.	2	8	7	4	92-154	
EMP 290	EMP175xEMP154	SMALL WHITE	1	21	2A	40	74	4	N	.	7	7	7	3	92-141	
EMP 291	EMP175xEMP186	SMALL WHITE	1	16	2A	37	69	4	N	.	2	6	3	4	92-142	
EMP 292	EMP154xG5773	ZAMORANO	6	22	2	36	71	.	N	.	6	7	7	3	92-425	
EMP 293	EMP154xEMP153	ZAMORANO	6	20	2A	38	72	.	N	.	8	8	7	2	92-435	
EMP 294	EMP154xEMP153	ZAMORANO	6	22	2A	37	72	.	N	.	7	7	4	3	92-426	
EMP 295	EMP154xEMP153	ZAMORANO	6	26	2	38	72	1	N	.	6	7	5	2	92-436	
EMP 296	RAB360xEMP187	ZAMORANO	6	25	2B	36	70	1	N	.	2	7	6	3	92-439	
EMP 297	RAB416xEMP187	HONDURAS 46	6	23	2B	38	69	8	N	.	6	7	6	3	92-454	
EMP 298	RAB416xEMP189	HONDURAS 46	6	20	2B	38	72	3	N	.	5	7	4	3	92-455	
EMP 299	RAB387xEMP188	NEGRO	8	23	2A	38	73	.	N	.	1	7	7	6	92-691	
EMP 300	RAB387xEMP188	NEGRO	8	23	2A	38	72	.	N	.	1	7	7	6	92-692	
EMP 301	RAB387xEMP188	NEGRO	8	21	2	39	72	.	N	.	1	7	7	6	92-693	
EMP 302	RAB387xEMP189	HONDURAS 46	6	22	2A	38	70	.	N	.	6	7	4	4	92-456	
EMP 303	PAN157xEMP187	SMALL WHITE	1	17	2B	36	72	1	N	.	7	7	3	6	92-143	
EMP 304	PAN157xEMP187	NEGRO	8	19	2A	39	72	.	N	.	1	7	7	7	92-694	
EMP 305	PAN157xEMP187	NEGRO	8	21	2A	39	75	.	N	.	7	7	7	6	92-695	
EMP 306	PAN157xEMP187	NAVY	1	16	2A	35	71	1	N	.	7	.	4	6	92-96	
EMP 307	EMP175xEMP194	SMALL WHITE	1	21	2A	38	72	1	N	.	6	7	3	4	92-144	
EMP 308	EMP175xEMP194	SMALL WHITE	1	19	2A	41	75	1	N	.	4	7	2	3	92-145	
EMP 309	EMP175xEMP194	SMALL WHITE	1	19	2	40	80	1	N	.	5	7	7	5	92-146	
EMP 310	EMP175xEMP194	SMALL WHITE	1	20	2A	40	80	1	N	.	1	7	7	5	92-147	
EMP 311	EMP175xEMP194	SMALL WHITE	1	19	2A	36	72	1	N	.	7	7	7	4	92-148	
EMP 312	EMP175xEMP194	SMALL WHITE	1	20	2B	36	71	1	N	.	5	7	7	4	92-149	
EMP 313	EMP175xEMP194	SMALL WHITE	1	19	2A	36	72	1	N	.	7	7	7	7	92-150	
EMP 314	EMP175xEMP194	SMALL WHITE	1	19	2A	36	72	1	N	.	1	7	7	5	92-151	
EMP 315	EMP175xEMP187	NEGRO	8	21	2A	39	78	.	N	.	1	7	4	6	92-696	
EMP 316	EMP194xEMP188	SMALL WHITE	1	20	2A	36	72	1	N	.	2	7	7	3	92-152	
EMP 317	EMP194xEMP188	SMALL WHITE	1	19	2B	36	73	1	N	.	6	7	7	5	92-153	
EMP 318	BRU24xG5773	NEGRO	8	23	2A	37	76	.	N	.	5	7	5	6	92-697	
EMP 319	RAB416xEMP189	NEGRO	8	21	2B	38	72	.	N	.	6	7	6	4	92-698	
EMP 320	PVA3051xEMP178	CALIMA	6M	39	1	33	74	.	M	.	5	7	7	3	92-404	
EMP 321	PVA3051xEMP178	CAFETERO	6M	32	1	33	70	8	M	.	1	6	7	3	92-518	
EMP 322	PVA3051xEMP178	POMPADOUR	6M	31	2	36	72	4	M	.	3	5	7	3	92-498	
EMP 323	G6271xEMP188	PINTO	2P	30	2A	34	72	1	N	.	6	7	5	8	92-251	
EMP 324	G6271xEMP188	PINTO	2P	27	2B	35	65	1	M	.	6	7	5	8	92-252	
EMP 325	G6271xEMP188	PINTO	2P	27	2A	34	69	1	M	.	6	7	6	7	92-253	
EMP 326	RAB58xEMP156	NEGRO	8	20	2B	36	71	.	N	.	6	7	7	5	92-699	
EMP 327	EMP188xA673	ZEBRA	2J	24	3	35	76	1	N	.	2	5	3	3	92-197	
EMP 328	EMP188xA673	CARIOCA	2J	28	2B	36	76	4	N	.	2	6	7	4	92-190	
EMP 329	EMP189xA673	ZEBRA	2J	25	2A	36	74	1	N	.	1	6	7	3	92-198	
EMP 330	EMP189xA673	ZEBRA	2J	23	2A	36	74	1	N	.	1	7	6	3	92-199	
EMP 331	EMP189xA673	ZEBRA	2J	22	2A	36	72	1	N	.	1	6	7	3	92-200	
EMP 332	EMP189xA673	ZEBRA	2J	22	2A	36	76	1	N	.	5	7	6	4	92-201	
EMP 333	RAB204xEMP153	ZAMORANO	6	26	2A	36	68	.	N	.	8	7	6	6	92-437	
EMP 334	RAB204xEMP153	ZAMORANO	6	27	2B	35	72	.	N	.	7	7	6	6	92-427	
EMP 335	RAB204xEMP153	ZAMORANO	6	.	2	36	68	.	N	.	8	8	4	6	92-415	
EMP 336	RAB204xEMP153	ZAMORANO	6	22	2	36	69	.	N	.	7	7	6	6	92-416	
EMP 337	RAB204xEMP153	ZAMORANO	6	20	2A	34	66	.	N	.	8	7	6	6	92-428	
EMP 338	RAB204xEMP153	ZAMORANO	6	23	2A	36	70	.	N	.	6	7	7	5	92-429	
EMP 339	RAB204xEMP153	ZAMORANO	6	23	2A	34	66	.	N	.	7	7	6	5	92-430	
EMP 340	RAB204xEMP156	ZAMORANO	6	17	2	35	69	1	N	.	6	8	7	6	92-595	
EMP 341	RAB204xEMP156	ZAMORANO	6	21	2	36	67	.	N	.	7	7	7	6	92-417	
EMP 342	RAB58xEMP153	ZAMORANO	6	22	2	36	74	.	N	.	8	6	7	6	92-418	
EMP 343	RAB58xEMP153	ZAMORANO	6	26	2A	36	74	4	N	.	6	6	7	4	92-431	
EMP 344	RAB58xEMP153	ZAMORANO	6	23	2B	37	76	.	N	.	6	6	7	5	92-432	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
EMP 345	RAB58xEMP153	ZAMORANO	6	21	2A	35	66	.	N	.	8	6	7	5	92-419		
EMP 346	RAB58xEMP153	ZAMORANO	6	23	2A	36	74	.	N	.	6	6	7	4	92-420		
EMP 347	RAB58xEMP153	ZAMORANO	6	21	2	36	74	.	N	.	7	6	6	5	92-421		
EMP 348	RAB58xEMP153	ZAMORANO	6	20	2	35	70	.	N	.	6	7	7	4	92-422		
EMP 349	RAB58xEMP153	ZAMORANO	6	22	2A	36	70	.	N	.	7	7	7	5	92-433		
EMP 350	RAB58xEMP156	ZAMORANO	6	22	2A	34	72	3	N	.	7	7	7	5	92-596		
EMP 351	RAB58xEMP156	ZAMORANO	6	26	2A	36	74	.	N	.	7	7	5	4	92-438		
EMP 352	RAB58xEMP156	ZAMORANO	6	22	2	35	71	3	N	.	5	7	4	5	92-597		
EMP 353	RAB58xEMP153	ZAMORANO	6	21	2A	36	68	.	N	.	6	7	7	6	92-4		
EMP 354	EMP182xAND635	FRIJOLICA P11	6M	35	2B	33	70	8	N	.	1	6	7	3	92-477		
EMP 355	EMP182xAND635	FRIJOLICA P11	6M	36	2	35	77	8	N	.	2	6	7	3	92-478		
EMP 356	EMP182xAND635	FRIJOLICA P11	6M	34	2B	34	72	8	N	.	1	6	5	3	92-479		
EMP 357	EMP184xAND260	FRIJOLICA P11	6M	33	2A	34	72	8	N	.	1	6	4	3	92-480		
EMP 358	AND260xAFR89	CRANBERRY	2M	36	2B	34	69	5	M	.	4	5	6	3	92-208		
EMP 359	AFR302xEMP178	GUALI	7M	35	1	34	68	8	N	.	1	7	5	4	92-635		
EMP 360	AFR302xEMP178	CALIMA	6M	40	1	32	70	.	N	.	1	7	5	3	92-405		
EMP 361	AFR301xBAT1345	FRIJOLICA P11	6M	36	1	32	67	5	M	.	1	6	2	3	92-481		
EMP 362	AND319xEMP178	GUALI	7M	32	1	31	69	4	N	.	1	7	7	3	92-636		
EMP 363	EMP182xAFR300	FRIJOLICA P11	6M	40	1	34	77	.	N	.	6	6	6	5	93-308		
EMP 364	EMP182xAND635	FRIJOLICA P11	6M	41	2A	38	80	.	N	.	8	5	4	4	93-309		
EMP 365	EMP184xAFR302	CALIMA	6M	36	1	33	77	.	M	.	8	6	6	5	93-219		
EMP 366	EMP184xAFR302	FRIJOLICA P11	6M	39	1	32	77	.	N	.	5	6	6	7	93-310		
EMP 367	EMP184xAND260	ESTRADA	5M	36	2B	34	80	.	N	.	8	6	5	5	93-188		
EMP 368	EMP184xAND260	ESTRADA	5M	36	1	33	79	.	N	.	8	7	7	6	93-189		
EMP 369	AFR300xBAT1366	FRIJOLICA P11	6M	40	1	32	70	.	N	.	7	7	7	6	93-311		
EMP 370	AFR300xEMP177	FRIJOLICA P11	6M	47	1	33	75	.	N	.	1	7	7	5	93-312		
EMP 371	AFR300xEMP177	FRIJOLICA P11	6M	42	1	32	75	.	N	.	1	7	7	7	93-313		
EMP 372	AFR302xEMP178	FRIJOLICA P11	6M	37	1	32	68	.	N	.	1	6	6	6	93-314		
EMP 373	AFR302xEMP178	FRIJOLICA P11	6M	44	1	33	80	.	N	.	1	6	7	4	93-315		
EMP 374	AFR302xEMP178	CALIMA	6M	37	1	33	68	.	M	.	5	7	5	4	93-220		
EMP 375	EMP124xEMP224	MEXICO 80	6	20	2B	38	80	.	N	.	1	7	7	3	93-394		
EMP 376	EMP213xEMP224	A 21	6	27	2B	35	75	.	N	.	4	7	7	3	93-210		
EMP 377	EMP213xEMP224	ROJO DE SEDA	6	27	2A	38	80	.	N	.	5	7	7	3	93-441		
EMP 378	EMP213xEMP224	A 21	6	24	2B	35	74	.	N	.	2	7	7	3	93-211		
EMP 379	DOR364xEMP224	ZAMORANO	6	26	2B	35	79	.	N	.	5	6	7	3	93-246		
EMP 380	DOR364xEMP224	ZAMORANO	6	20	2A	34	70	.	N	.	6	6	7	3	93-241		
EMP 381	EMP224xEMP229	ZAMORANO	6	20	2B	35	77	.	N	.	6	6	7	3	93-446		
EMP 382	EMP224xEMP229	ZAMORANO	6	25	2A	34	77	.	N	.	4	6	7	3	93-247		
EMP 383	EMP224xEMP229	ZAMORANO	6	23	2A	36	77	.	N	.	3	6	7	4	93-447		
EMP 384	EMP224xEMP229	A 21	6	20	2B	35	74	.	N	.	3	7	7	3	93-212		
EMP 385	EMP224xEMP229	ZAMORANO	6	21	2A	35	77	.	N	.	3	7	8	3	93-248		
EMP 386	EMP224xEMP229	ZAMORANO	6	25	2A	36	75	.	N	.	6	7	7	3	93-249		
EMP 387	EMP224xEMP229	A 21	6	23	2A	35	77	.	N	.	2	7	7	3	93-213		
EMP 388	EMP224xEMP229	ZAMORANO	6	23	2A	34	75	.	N	.	1	6	7	3	93-250		
EMP 389	EMP224xEMP229	ZAMORANO	6	22	2B	35	72	.	N	.	6	5	8	3	93-448		
EMP 390	EMP224xEMP229	ZAMORANO	6	19	2A	34	70	.	N	.	6	.	8	3	93-449		
EMP 391	EMP213xEMP220	MULATINHO	2	24	2	37	79	.	N	.	5	8	7	6	93-136		
EMP 392	EMP213xEMP220	MULATINHO	2	22	2A	38	80	.	N	.	2	6	6	7	93-137		
EMP 393	EMP219xEMP211	MULATINHO	2	24	2A	38	79	.	N	.	7	7	7	6	93-138		
EMP 394	EMP219xEMP211	MULATINHO	2	22	2	38	79	.	N	.	7	7	7	4	93-139		
EMP 395	EMP219xEMP211	MULATINHO	2	23	2	36	79	.	N	.	7	7	7	4	93-140		
EMP 396	EMP219xEMP214	MULATINHO	2	21	2	36	77	.	N	.	1	7	7	4	93-141		
EMP 397	EMP219xEMP227	MULATINHO	2	19	2A	38	79	.	N	.	6	6	.	7	93-142		
EMP 398	EMP219xEMP227	MULATINHO	2	18	2A	36	75	.	N	.	4	6	7	7	93-143		
EMP 399	EMP219xEMP227	BICO DE OURO	2	23	2A	36	77	.	N	.	4	7	7	7	93-75		
EMP 400	EMP219xEMP227	BICO DE OURO	2	23	2A	37	77	.	N	.	6	7	8	7	93-76		

Line	Cross	Cult. type	Seed			Days to										VEF	IB
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr			Ent	YAN
FEB 65	A310xA213	MULATINHO	2	22	3	44	76	5	N	9	7	6	7	5	86-827		
FEB 66	A310xBAT85	MULATINHO	2	26	3	40	72	.	N	9	7	7	6	4	86-830		
FEB 67	A310xBAT85	MULATINHO	2	24	3	.	78	.	N	9	5	7	7	4	86-831		
FEB 68	A310xBAT85	BICO DE OURO	2	25	3	43	75	.	N	9	7	6	6	7	86-832		
FEB 69	G5059x(A97xG7951) F1	MULATINHO	2	18	3	44	73	.	N	8	2	7	6	7	86-909		
FEB 70	A339xA210	BICO DE OURO	2	22	2B	38	72	3	N	5	3	7	5	6	86-833		
FEB 71	A339xG15416	BICO DE OURO	2	21	2B	36	71	.	N	9	1	7	5	6	86-837		
FEB 72	A348xXAN94	MULATINHO	2	20	2B	40	70	.	N	8	4	7	6	6	86-850		
FEB 73	A348xXAN94	MULATINHO	2	23	2A	43	71	.	N	7	1	7	6	7	86-851		
FEB 74	A348xXAN94	MULATINHO	2	23	2B	41	71	.	N	9	6	7	6	6	86-852		
FEB 75	A348xXAN94	MULATINHO	2	23	2B	41	71	3	N	8	5	7	7	7	86-853		
FEB 76	A348xXAN94	MULATINHO	2	21	2B	43	70	.	N	8	5	7	6	7	86-854		
FEB 77	A348xXAN94	MULATINHO	2	22	2B	41	72	.	N	8	5	7	6	7	86-855		
FEB 78	A348xBAT85	MULATINHO	2	20	2B	41	71	.	N	9	1	7	6	7	86-840		
FEB 79	A348xBAT85	MULATINHO	2	22	2B	41	72	.	N	9	1	7	6	8	86-841		
FEB 80	A348xBAT85	BICO DE OURO	2	24	2B	42	71	.	N	9	3	7	6	7	86-842		
FEB 81	A348xBAT85	MULATINHO	2	20	2B	43	74	.	N	9	4	7	6	6	86-843		
FEB 82	A348xBAT85	MULATINHO	2	21	2B	44	72	.	N	9	5	7	6	6	86-844		
FEB 83	A348xBAT85	BICO DE OURO	2	21	2B	41	72	.	N	9	4	7	6	8	86-845		
FEB 84	A348xBAT85	MULATINHO	2	20	2B	43	75	5	N	9	6	7	6	7	86-846		
FEB 85	A348xG5773	BICO DE OURO	2	22	2B	43	75	4	N	8	6	7	6	6	86-847		
FEB 86	A348xG5773	MULATINHO	2	19	2B	43	72	.	N	9	2	6	6	7	86-848		
FEB 87	A348xG5773	MULATINHO	2	23	2B	41	72	.	N	8	5	7	6	7	86-644		
FEB 88	A395xBAT85	MULATINHO	2	22	2A	39	71	1	N	9	4	8	6	7	86-862		
FEB 89	A395xBAT85	MULATINHO	2	20	2A	39	71	.	N	9	1	7	4	7	86-863		
FEB 90	A395xBAT85	MULATINHO	2	21	2B	40	72	.	N	9	7	6	5	8	86-864		
FEB 91	A395xBAT85	MULATINHO	2	21	2A	41	71	.	N	9	2	7	5	6	86-865		
FEB 92	A430xBAT1670	BICO DE OURO	2	25	2A	37	71	3	N	9	5	8	7	6	86-655		
FEB 93	A433xBAT1670	BICO DE OURO	2	20	2A	37	67	1	N	9	4	7	6	7	86-869		
FEB 94	A433xBAT1670	BICO DE OURO	2	20	2A	35	68	1	N	9	5	7	6	6	86-870		
FEB 95	A433xBAT1670	BICO DE OURO	2	21	2A	39	67	.	N	9	2	6	6	7	86-871		
FEB 96	G17704xA156	BICO DE OURO	2	23	2B	42	73	4	N	9	5	7	6	6	86-658		
FEB 97	G17704xA156	BICO DE OURO	2	23	2B	38	72	.	N	7	2	7	5	4	86-780		
FEB 98	G17704xXAN105	BICO DE OURO	2	24	2B	38	72	.	N	8	2	7	6	6	86-659		
FEB 99	G17704xXAN105	BICO DE OURO	2	25	2B	38	70	.	N	8	2	7	6	5	86-660		
FEB 100	BAT58xBAT477	MULATINHO	2	21	2A	32	62	.	N	9	8	7	5	7	86-873		
FEB 101	BAT304xBAT477	MULATINHO	2	21	2A	32	65	.	N	9	6	7	4	7	86-875		
FEB 102	BAT304xBAT477	BICO DE OURO	2	22	2B	31	67	.	N	8	7	7	6	8	86-878		
FEB 103	BAT304xBAT477	MULATINHO	2	22	2B	30	65	.	N	8	7	7	6	7	86-879		
FEB 104	BAT304xBAT477	MULATINHO	2	21	2B	30	65	.	N	9	7	7	5	7	86-880		
FEB 105	BAT841xA354	BICO DE OURO	2	23	2B	35	70	.	N	9	2	7	6	7	86-885		
FEB 106	BAT841xA354	BICO DE OURO	2	22	2A	36	69	.	N	9	4	7	5	6	86-661		
FEB 107	BAT1510xA354	BICO DE OURO	2	19	2A	40	70	.	N	9	2	7	6	4	86-888		
FEB 108	BAT1510xA354	BICO DE OURO	2	19	2B	41	72	.	N	9	1	7	7	4	86-891		
FEB 109	BAT1573xA132	MULATINHO	2	21	2A	41	72	1	N	9	6	7	8	7	86-892		
FEB 110	BAT1573xA359	BICO DE OURO	2	21	2B	37	69	1	N	9	1	7	7	5	86-893		
FEB 111	BAT1658xA156	BICO DE OURO	2	23	2B	43	72	.	N	7	1	7	6	7	86-663		
FEB 112	BAT1658xA293	MULATINHO	2	21	2B	41	71	.	N	9	1	7	5	6	86-894		
FEB 113	BAT1658xA293	MULATINHO	2	22	2A	43	72	3	N	9	3	6	6	6	86-895	88	
FEB 114	G11093xA210	BICO DE OURO	4	18	2B	39	69	.	N	8	6	7	6	6	86-922		
FEB 115	(A338xG4830) F1x(BAT477x(A321x{...	BICO DE OURO	2	21	3	38	71	.	N	9	2	7	7	4	86-926		
FEB 116	G9759x(A175x(APN18xG1759) F1) F1	MULATINHO	3	21	2B	38	72	.	N	9	2	7	7	5	86-921		
FEB 117	A83xEMP81	.	.	.	.	.	.	.	N	.	.	.	.	.	.
FEB 118	EMP81x(G22009x(G22005xA140) F1) F1	.	.	.	.	.	.	.	N	.	.	.	.	.	.
FEB 119	A113xG1805	CARIOCA	2R	23	3	45	78	8	N	6	3	6	4	6	86-710	88	
FEB 120	A113xG1805	CARIOCA	2R	24	2B	37	75	8	N	9	6	7	5	5	86-940		

Line	Cross	Cult. type	Seed col. Wt Hab	Days to Fl Mt Pot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VBF Ent	IB YAN
FEB 121	A113xG1805	CARIOCA	2R 24 3	39 75 .	N	9	4	7	5	4		86-941	
FEB 122	A113xG1805	CARIOCA	2R 22 3	44 82 3	N	9	7	7	5	5		86-712	
FEB 123	A62x(A77xG13224)F1	CARIOCA	2R 22 3	39 78 .	N	9	1	7	6	6		86-929	
FEB 124	A62x(A77xG13224)F1	CARIOCA	2R 23 2B	38 71 .	N	9	2	7	5	4		86-930	
FEB 125	A62x(A77xG13224)F1	CARIOCA	2R 24 2B	38 77 4	N	9	2	7	5	6		86-931	
FEB 126	A62x(A77xG13224)F1	CARIOCA	2R 23 2B	39 74 .	N	9	2	7	6	7		86-932	
FEB 127	A62x(A77xG13224)F1	CARIOCA	2R 23 3	45 . 6	N	9	3	6	6	6		86-933	88
FEB 128	A62x(A77xG13224)F1	CARIOCA	2R 25 2B	35 71 .	N	9	2	7	5	6		86-927	
FEB 129	A83xXAN40	CARIOCA	2R 18 2A	39 70 1	N	9	2	7	6	7		86-936	
FEB 130	A83x(A161xA126)F1	CARIOCA	2R 22 2B	36 68 .	N	9	4	7	6	7		86-934	
FEB 131	A83xA420	CARIOCA	2R 24 2B	37 71 8	N	9	3	7	8	7		86-709	
FEB 132	A83x(A119xG17702)F1	CARIOCA	2R 22 2A	41 72 4	N	6	1	7	6	7		86-707	
FEB 133	EMP110x(A83xXAN40)F1	CARIOCA	2R 17 2B	43 74 3	N	9	2	8	6	7		86-952	
FEB 134	A339xA259	CARIOCA	2R 25 3	43 77 .	N	9	1	7	6	3		86-719	
FEB 135	A445xA246	CARIOCA	2R 23 2B	42 71 1	N	8	7	6	4	5		86-725	
FEB 136	A445xA246	CARIOCA	2R 23 3	43 76 4	N	8	6	5	5	4		86-731	
FEB 137	A252xA375	OJO DE CABRA	2R 26 3	39 75 1	N	9	2	5	6	4		86-713	
FEB 138	A282xBAT477	CARIOCA	2R 23 2B	38 70 .	N	9	7	8	6	7		86-943	
FEB 139	A282xBAT477	CARIOCA	2R 22 2B	36 69 .	N	9	6	8	6	7		86-944	
FEB 140	A445xG4017	CARIOCA	2R 25 3	44 72 3	N	8	4	7	5	4		86-733	
FEB 141	A445xEMP117	CARIOCA	2R 24 2B	42 74 8	N	7	1	6	5	3		86-756	88
FEB 142	A445xEMP117	CARIOCA	2R 25 2B	42 71 .	N	8	2	7	6	4		86-784	
FEB 143	G11487xRIZ11	CARIOCA	2R 24 2A	37 68 .	N	9	4	7	5	4		86-949	
FEB 144	A471xA246	CARIOCA	2R 23 1	37 71 .	N	9	6	7	5	6		86-761	
FEB 145	XAN87xBAT85	MULATINHO	2 24 2B	38 62 .	N	.	8	.	6	3		89-135	
FEB 146	BAT477xXAN90	MULATINHO	2 22 2A	37 61 .	N	.	8	.	6	5		89-136	
FEB 147	XAN125x(BAT336x(A83xG5773)F1)F1	MULATINHO	2 22 2A	38 61 .	N	.	7	5	7	7		89-137	
FEB 148	((G12488x(G5059xG15821)F1)F1x(A170x...	BICO DE OURO	2 23 2A	35 62 .	N	.	7	.	6	4		89-42	
FEB 149	(BAT1354xXAN112)F1x((A25xBAT85)F1x(...	BICO DE OURO	2 24 2A	38 63 .	N	.	6	5	7	5		89-43	
FEB 150	A247xXAN112	CARIOCA	2R 25 2A	40 63 .	N	.	7	.	4	6		89-77	
FEB 151	A301xXAN112	BICO DE OURO	2 26 2A	39 63 .	N	.	8	.	6	6		89-44	
FEB 152	(RAO30xA59)F1x(A321xBAT477)F1	BICO DE OURO	2 26 2A	39 68 .	N	.	7	.	6	6		89-45	
FEB 153	(BAT477x(A301xXAN93)F1)F1x(G15416x(...	BICO DE OURO	2 22 2N	38 66 .	N	.	6	7	7	7		89-46	
FEB 154	(BAT477x(A301xXAN93)F1)F1x(G15416x(...	BICO DE OURO	2 22 2N	35 63 .	N	.	8	.	6	4		89-47	
FEB 155	G21750xXAN112	MULATINHO	2 24 2A	38 60 .	N	.	6	.	6	6		89-138	
FEB 156	((A338xG4830)F1x(G5054xXAN116)F1)F1x(...	BICO DE OURO	2 23 2A	37 62 .	N	.	8	6	7	7		89-48	
FEB 157	(BAT85xXAN160)F1x(A321x(G5059x(...	MULATINHO	2 24 3	39 62 .	N	.	8	4	7	7		89-139	
FEB 158	((BAT477xG4830)F1x(A283xEMP84)F1)F1x(...	MULATINHO	2 22 2B	35 65 .	N	.	7	5	7	8		89-140	
FEB 159	((XAN125xG4830)F1x(G5059xXAN87)F1)F1x(...	MULATINHO	2 23 2B	38 67 .	N	.	6	.	7	5		89-141	
FEB 160	WA2289x((G18446xXAN112)F1x(A321x...	CARIOCA	2R 23 2A	40 62 .	N	.	6	4	6	7		89-78	
FEB 161	WA2289x((G18446xXAN112)F1x(A321x...	CARIOCA	2R 25 2B	38 62 .	N	.	7	.	6	3		89-79	
FEB 162	WA2289x((G18446xXAN112)F1x(A321x...	CARIOCA	2R 25 2A	39 62 .	N	.	7	.	6	6		89-80	
FEB 163	((A252xXAN105)F1x(A373xA213)F1)F1x(...	ROSHINHA	5 21 2A	38 67 .	N	.	8	5	5	7		89-263	
FEB 164	(A445xBAT76)F1x(BAT85x(A83x...	MULATINHO	2 22 2B	38 65 .	N	.	5	6	5	8		89-142	
FEB 165	(A445xBAT76)F1x(BAT85x(A83x...	MULATINHO	2 24 2A	35 60 .	N	.	7	.	6	6		89-143	
FEB 166	G17705x(XAN112x(A286x(A107x...	CARIOCA	2R 25 3	38 63 .	N	.	7	.	4	4		89-81	
FEB 167	BAT304x(BAT477x(A301xXAN93)F1)F1	MULATINHO	2 23 2A	38 61 .	N-M	.	8	.	7	5		89-144	
FEB 168	BAT85x(A283xXAN112)F1	MULATINHO	2 23 2A	38 61 .	N	.	8	5	7	7		89-145	
FEB 169	XAN40x(A95x(BAT477xG4017))F1	CARIOCA	2R 22 3	40 70 .	N	.	7	.	6	3		89-82	
FEB 170	BAT1458x(G15416xXAN112)F1		2 22 2A	37 63 .	N	.	5	7	5	7		89-22	
FEB 171	(A247xXAN87)F1x((BAT477xG6488)F1x(...	CARIOCA	2R 26 2B	39 63 .	N	.	7	.	6	3		89-83	
FEB 172	(A247xXAN87)F1x((BAT477xG6488)F1x(...	MULATINHO	2 24 2B	35 62 .	N	.	8	.	5	4		89-146	
FEB 173	A252x(RAO24xG15821)F1	ROSHINHA	5 22 3	37 72 1	N	.	1	4	7	3		90-198	
FEB 174	A252x(RAO24xG15821)F1	MULATINHO	2 23 3	37 83 2	N	.	3	6	7	6		90-123	
FOI 1	G5708xG4450	SANGRETORO	6 37 1	30 66 .	N	.	1	8	6	4		92-574	
FOI 2	G4026xBAT85	MWEZI MOJA	7M 38 1	30 67 .	M	.	1	8	7	2		92-640	

Line	Cross	Cult. type	Seed			Days to							VRF	IB										
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Rmp	Ant	CBB			ALS	Rust	Yr	Ent	YAN					
FOI	3	G76xG4450																						
FOI	4	G4450xG8047																						
FOI	5	G4450xG8047																						
FOI	6	G8047xG13234																						
FOT	1	G5708xG13234																						
FOT	2	G5708xG13234																						
FOT	3	G5708xG13234																						
FOT	4	G76xG4450																						
FOT	5	G76xG4453																						
FOT	6	G76xG4453																						
FOT	7	G76xG4453																						
FOT	8	G76xG8047																						
FOT	9	G76xG8047																						
FOT	10	G76xG8047																						
FOT	11	G76xG8047																						
FOT	12	G76xG8047																						
FOT	13	G76xG8047																						
FOT	14	G76xG8047																						
FOT	15	G76xG13234																						
FOT	16	G4450xG13234																						
FOT	17	G4453xG13234																						
FOT	18	G4453xG13234																						
FOT	19	G4453xG13234																						
FOT	20	G8047xG13234																						
FOT	21	G8047xG13234																						
FOT	22	G8047xG13234																						
FOT	23	G8047xG13234																						
HAB	1	G7564xG5496																						
HAB	2	G7587xG9041																						
HAB	3	G7587xG9041																						
HAB	4	G7587xG9041																						
HAB	5	G7587xG9041																						
HAB	6	G7587xG9041																						
HAB	7	G7587xG9041																						
HAB	8	G7587xG9041																						
HAB	9	G7587xG9041																						
HAB	10	G7587xG9041																						
HAB	11	G7564xG5496																						
HAB	12	G7564xG5496																						
HAB	13	G7564xG5496																						
HAB	14	G7564xG5496																						
HAB	15	G7564xG5496																						
HAB	16	G7564xG5496																						
HAB	17	G7564xG5496																						
HAB	18	G11245xG7476																						
HAB	19	G11245xG7476																						
HAB	20	G11245xG7476																						
HAB	21	G11245xG7476																						
HAB	22	G11245xG7476																						
HAB	23	G11245xG7476																						
HAB	24	G11245xG7476																						
HAB	25	G11245xG7476																						
HAB	26	G11245xG7476																						
HAB	27	G11245xG7476																						
HAB	28	G11245xG7476																						
HAB	29	G11245xG7476																						

Line	Cross	Cult. type	Seed		Days to							VEF		IB	
			ccl.	Wt Hab	Fl	Mt	Pod	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
HAB 30	G11245xG7476	SNAP BEAN	8	. 1	34	.	1	N	.	.	7	7	3	85-748	
HAB 31	G11245xG7476	SNAP BEAN	8	. 1	33	.	1	N	.	7	7	7	5	85-749	
HAB 32	G11245xG7476	SNAP BEAN	8	. 1	33	.	1	N	.	7	8	7	5	85-750	
HAB 33	G7587xG9041	SNAP BEAN	1	. 1	36	.	.	M	.	2	7	7	5	85-751	
HAB 34	G7587xG9041	SNAP BEAN	1	. 1	34	.	.	M	.	3	7	7	5	85-752	
HAB 35	G7587xG9041	SNAP BEAN	1	. 1	34	.	.	N-M	.	6	7	7	5	85-753	
HAB 36	G7587xG9041	SNAP BEAN	1	. 1	35	.	.	M	.	3	7	7	5	85-754	
HAB 37	G7587xG9041	SNAP BEAN	1	. 1	34	.	.	M	.	2	7	.	5	85-755	
HAB 38	G7587xG9041	SNAP BEAN	1	. 1	33	.	.	M	.	5	7	5	5	85-756	
HAB 39	G7564xG5496	SNAP BEAN	4	. 1	33	.	.	N	.	7	6	7	5	85-757	
HAB 40	G7564xG5496	SNAP BEAN	1	. 1	34	.	.	N	.	6	7	6	5	85-758	
HAB 41	G7564xG5496	SNAP BEAN	1	. 1	35	.	.	N	.	6	7	7	3	85-759	
HAB 42	G11245xG7476	SNAP BEAN	8	. 1	34	.	.	N	.	7	8	7	3	85-760	
HAB 43	G11245xG7476	SNAP BEAN	8	. 1	33	.	.	N	.	7	8	7	3	85-761	
HAB 44	G11245xG7476	SNAP BEAN	1	. 1	39	.	.	N	.	7	9	7	5	85-762	
HAB 45	G11245xG7476	SNAP BEAN	8	. 1	34	.	.	N	.	8	8	7	5	85-763	
HAB 46	G11245xG7476	SNAP BEAN	8	. 1	34	.	.	N	.	7	8	7	5	85-764	
HAB 47	G11245xG7476	SNAP BEAN	8	. 1	36	.	1	N	.	7	7	7	5	85-765	
HAB 48	G11245xG7476	SNAP BEAN	1	.	.	.	.	N	.	8	8	7	5	85-766	
HAB 49	G11245xG7476	SNAP BEAN	8	. 1	35	.	1	N	.	8	8	7	5	85-767	
HAB 50	G11245xG7476	SNAP BEAN	8	. 1	35	.	1	N	.	7	8	7	5	85-768	
HAB 51	G11245xG7476	SNAP BEAN	8	. 1	34	.	1	N	.	7	8	7	5	85-769	
HAB 52	G11245xG7476	SNAP BEAN	8	. 1	35	.	1	N	.	7	7	7	3	85-770	
HAB 53	G11245xG7476	SNAP BEAN	8	. 1	35	.	1	N	.	7	7	7	3	85-771	
HAB 54	G11245xG7476	SNAP BEAN	8	. 1	35	.	.	N	.	7	7	7	5	85-772	
HAB 55	G11245xG7476	SNAP BEAN	8	. 1	34	.	.	N	.	7	7	7	5	85-773	
HAB 56	G11245xG7476	SNAP BEAN	8	. 1	34	.	.	N	.	7	8	7	5	85-774	
HAB 57	G11245xG7476	SNAP BEAN	8	. 1	33	.	.	N	.	7	8	7	3	85-775	
HAB 58	G11245xG7476	SNAP BEAN	8	. 1	33	.	.	N	.	8	8	7	3	85-776	
HAB 59	G11245xG7476	SNAP BEAN	8	. 1	33	.	.	N	.	8	7	7	5	85-777	
HAB 60	G11245xG7476	SNAP BEAN	1	. 1	35	.	.	N	.	7	7	7	5	85-778	
HAB 61	G11245xG7476	SNAP BEAN	8	. 1	33	.	.	N	.	8	8	7	3	85-779	
HAB 62	G11245xG7476	SNAP BEAN	8	. 1	33	.	.	N	.	6	8	8	3	85-780	
HAB 63	G11245xG7476	SNAP BEAN	8	. 1	33	.	.	N	.	7	8	6	3	85-781	
HAB 64	G7587xG9313	SNAP BEAN	8	. 1	36	.	.	N	.	6	7	7	5	85-782	
HAB 65	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1	36	.	.	N	.	5	8	5	3	85-783	
HAB 66	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1	35	.	.	N	.	6	9	7	3	85-784	
HAB 67	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1	36	.	.	N	.	7	8	7	3	85-785	
HAB 68	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1	35	.	.	N	.	6	9	7	3	85-786	
HAB 69	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1	34	.	.	N	.	6	8	7	3	85-787	
HAB 70	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1	35	.	.	N	.	6	8	7	3	85-788	
HAB 71	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1	35	.	.	M	.	2	8	8	5	85-789	
HAB 72	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1	35	.	.	N	.	6	7	7	3	85-790	
HAB 73	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1	36	.	.	N	.	5	7	7	3	85-791	
HAB 74	VALLIANTxNY76-2812-15	SNAP BEAN	1	. 1	49	.	.	N	.	5	6	7	5	85-792	
HAB 75	78BP-3xVALLIANT	SNAP BEAN	1	. 1	35	.	.	N	.	4	7	7	5	85-793	
HAB 76	78BP-3xVALLIANT	SNAP BEAN	1	. 1	39	.	.	N	.	4	7	7	5	85-794	
HAB 77	78BP-3xVALLIANT	SNAP BEAN	1	. 1	37	.	1	N	.	4	8	7	3	85-795	
HAB 78	78BP-3xVALLIANT	SNAP BEAN	1	. 1	35	.	.	N	.	4	7	7	5	85-796	
HAB 79	78BP-3xVALLIANT	SNAP BEAN	1	. 1	37	.	.	N	.	4	7	6	5	85-797	
HAB 80	78BP-3xVALLIANT	SNAP BEAN	1	. 1	39	.	.	N	.	4	7	7	5	85-798	
HAB 81	78BP-8	SNAP BEAN	1	. 1	35	.	.	N	.	4	8	7	3	85-799	
HAB 82	78BP-8	SNAP BEAN	1	. 1	36	.	.	N	.	4	8	7	3	85-800	
HAB 83	78BP-8	SNAP BEAN	1	. 1	36	.	.	N	.	4	8	7	3	85-801	
HAB 84	78BP-8	SNAP BEAN	1	. 1	34	.	.	N	.	7	9	7	3	85-802	
HAB 85	VALLIANTxNY76-2812-15	SNAP BEAN	1	. 1	34	.	.	N	.	4	8	7	5	85-803	

Line	Cross	Cult. type	Seed			Days to										VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
HAB 86	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	4	8	8	5	85-804		
HAB 87	78BP-3xVALLIANT	SNAP BEAN	1	.1		33	.	.	N	.	3	8	6	3	85-805		
HAB 88	78BP-3xVALLIANT	SNAP BEAN	1	.1		34	.	.	N	.	4	9	6	5	85-806		
HAB 89	78BP-3xVALLIANT	SNAP BEAN	1	.1		35	.	.	N	.	4	8	7	3	85-807		
HAB 90	78BP-3xVALLIANT	SNAP BEAN	1	.1		37	.	.	N	.	5	7	.	3	85-808		
HAB 91	78BP-3xVALLIANT	SNAP BEAN	1	.1		39	.	.	N	.	5	8	7	5	85-809		
HAB 92	78BP-3xVALLIANT	SNAP BEAN	1	.1		35	.	.	N	.	4	7	7	3	85-810		
HAB 93	OSU-4094-BxBARC-1	SNAP BEAN	1	.1		35	.	.	N	.	6	8	7	3	85-811		
HAB 94	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	6	7	.	3	85-812		
HAB 95	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	7	8	6	3	85-813		
HAB 96	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	7	7	6	3	85-814		
HAB 97	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	7	7	7	3	85-815		
HAB 98	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	7	8	7	3	85-816		
HAB 99	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	6	8	7	3	85-817		
HAB 100	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	6	8	7	3	85-818		
HAB 101	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	6	8	7	5	85-819		
HAB 102	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	5	8	7	5	85-820		
HAB 103	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	7	8	7	3	85-821		
HAB 104	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	7	8	6	3	85-822		
HAB 105	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	7	9	7	5	85-823		
HAB 106	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	7	7	7	3	85-824		
HAB 107	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	6	8	7	5	85-825		
HAB 108	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	7	8	7	5	85-826		
HAB 109	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	7	8	7	3	85-827		
HAB 110	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	7	6	7	3	85-828		
HAB 111	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	7	6	7	3	85-829		
HAB 112	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	7	8	7	3	85-830		
HAB 113	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	5	8	6	3	85-831		
HAB 114	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	7	8	7	3	85-832		
HAB 115	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	6	8	6	3	85-833		
HAB 116	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	4	8	6	3	85-834		
HAB 117	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	5	8	7	3	85-835		
HAB 118	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	7	8	4	3	85-836		
HAB 119	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	8	8	6	3	85-837		
HAB 120	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	8	8	7	3	85-838		
HAB 121	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	7	7	7	3	85-839		
HAB 122	78BP-8	SNAP BEAN	1	.1		35	.	.	N	.	8	8	7	3	85-840		
HAB 123	78BP-8	SNAP BEAN	1	.1		34	.	.	N	.	8	8	6	3	85-841		
HAB 124	78BP-8	SNAP BEAN	1	.1		34	.	.	N	.	8	7	7	3	85-842		
HAB 125	78BP-8	SNAP BEAN	1	.1		34	.	.	N	.	7	8	8	3	85-843		
HAB 126	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	5	8	7	3	85-844		
HAB 127	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		35	.	1	N	.	5	8	7	3	85-845		
HAB 128	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		37	.	.	N	.	5	6	7	5	85-846		
HAB 129	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		39	.	.	N	.	5	6	6	5	85-847		
HAB 130	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		42	.	.	N	.	8	6	6	3	85-848		
HAB 131	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		37	.	.	N	.	6	7	6	5	85-849		
HAB 132	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		37	.	.	N	.	4	7	7	3	85-850		
HAB 133	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		42	.	.	N	.	4	5	.	3	85-851		
HAB 134	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		37	.	.	N	.	2	5	7	3	85-852		
HAB 135	78BP-3xVALLIANT	SNAP BEAN	1	.1		37	.	.	N	.	3	7	7	5	85-853		
HAB 136	78BP-3xVALLIANT	SNAP BEAN	1	.1		37	.	.	N	.	2	6	7	5	85-854		
HAB 137	78BP-3xVALLIANT	SNAP BEAN	1	.1		39	.	.	N	.	1	5	7	3	85-855		
HAB 138	78BP-3xVALLIANT	SNAP BEAN	1	.1		36	.	.	N	.	5	7	7	3	85-856		
HAB 139	78BP-3xVALLIANT	SNAP BEAN	1	.1		36	.	.	N	.	3	8	7	5	85-857		
HAB 140	78BP-3xVALLIANT	SNAP BEAN	1	.1		36	.	1	N	.	3	6	7	3	85-858		
HAB 141	78BP-3xVALLIANT	SNAP BEAN	1	.1		36	.	.	N	.	4	6	7	3	85-859		

Line	Cross	Cult. type	Seed			Days to				Yr	VEF Ent	IB YAN				
			col.	Wt	Hab	Fl	Mt	Fot	BCMV				Emp	Ant	CBB	ALS	Rust
HAB 142	78BP-3xVALLIANT	SNAP BEAN	1	.1		34	.	.	N	.	4	8	7	3	85-860	
HAB 143	78BP-3xVALLIANT	SNAP BEAN	1	.1		36	.	1	N	.	4	8	7	5	85-861	
HAB 144	OSU-4884-BxBARC-1	SNAP BEAN	1	.1		36	.	.	N	.	6	7	8	7	85-862	
HAB 145	OSU-4884-BxBARC-1	SNAP BEAN	1	.1		37	.	.	N	.	5	7	8	3	85-863	
HAB 146	OSU-4884-BxBARC-1	SNAP BEAN	1	.1		35	.	.	N	.	6	8	7	5	85-864	
HAB 147	OSU-4094-BxBARC-1	SNAP BEAN	1	.1		36	.	.	N	.	5	7	7	3	85-865	
HAB 148	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	4	8	6	3	85-866	
HAB 149	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	5	8	4	3	85-867	
HAB 150	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	4	8	4	3	85-868	
HAB 151	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	7	9	.	3	85-869	
HAB 152	NEB76-1x78BP-8	SNAP BEAN	1	.1		36	.	.	N	.	8	8	7	3	85-870	
HAB 153	WISBBSR-28xBARC-1	SNAP BEAN	1	.1		36	.	.	N	.	5	8	7	3	85-871	
HAB 154	78BP-8	SNAP BEAN	1	.1		35	.	.	N	.	6	8	6	3	85-872	
HAB 155	78BP-8	SNAP BEAN	1	.1		36	.	.	N	.	5	8	5	3	85-873	
HAB 156	78BP-8	SNAP BEAN	1	.1		37	.	.	N	.	6	9	6	3	85-874	
HAB 157	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	4	8	7	3	85-875	
HAB 158	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	4	8	7	5	85-876	
HAB 159	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	5	6	7	5	85-877	
HAB 160	78BP-3xVALLIANT	SNAP BEAN	1	.1		36	.	.	N	.	5	6	7	5	85-878	
HAB 161	78BP-3xVALLIANT	SNAP BEAN	1	.1		35	.	.	N	.	5	7	8	3	85-879	
HAB 162	78BP-3xVALLIANT	SNAP BEAN	1	.1		35	.	1	N	.	4	7	8	3	85-880	
HAB 163	78BP-3xVALLIANT	SNAP BEAN	1	.1		40	.	.	N	.	3	8	8	3	85-881	
HAB 164	OSU-4094-BxBARC-1	SNAP BEAN	1	.1		35	.	.	N	.	4	8	7	5	85-882	
HAB 165	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	7	8	4	3	85-883	
HAB 166	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	5	6	4	3	85-884	
HAB 167	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	5	7	4	3	85-885	
HAB 168	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	7	8	5	3	85-886	
HAB 169	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	6	9	4	3	85-887	
HAB 170	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	5	8	5	5	85-888	
HAB 171	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	6	7	5	3	85-889	
HAB 172	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	7	8	5	3	85-890	
HAB 173	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	1	N	.	6	9	7	3	85-891	
HAB 174	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	5	8	4	3	85-892	
HAB 175	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	7	8	7	3	85-893	
HAB 176	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	6	7	7	3	85-894	
HAB 177	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	1	N	.	6	8	6	3	85-895	
HAB 178	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	8	8	7	3	85-896	
HAB 179	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	8	9	7	3	85-897	
HAB 180	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	8	8	7	3	85-898	
HAB 181	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	8	8	7	3	85-899	
HAB 182	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	8	8	5	3	85-900	
HAB 183	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	5	7	4	3	85-901	
HAB 184	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		34	.	.	N	.	8	8	4	3	85-902	
HAB 185	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	6	8	3	3	85-903	
HAB 186	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	7	8	.	3	85-904	
HAB 187	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		36	.	.	N	.	7	8	7	5	85-905	
HAB 188	78BP-8xNY76-2812-15	SNAP BEAN	1	.1		35	.	.	N	.	8	8	7	3	85-906	
HAB 189	NEB76-1x78BP-8	SNAP BEAN	1	.1		35	.	.	N	.	6	9	3	3	85-907	
HAB 190	NEB76-1x78BP-8	SNAP BEAN	1	.1		37	.	.	N	.	8	7	4	5	85-908	
HAB 191	NEB76-1x78BP-8	SNAP BEAN	1	.1		35	.	.	N	.	7	8	.	3	85-909	
HAB 192	NEB76-1x78BP-8	SNAP BEAN	1	.1		35	.	.	N	.	9	7	3	3	85-910	
HAB 193	NEB76-1x78BP-8	SNAP BEAN	1	.1		35	.	.	N	.	1	8	7	3	85-911	
HAB 194	78BP-3xVALLIANT	SNAP BEAN	1	.1		34	.	.	N	.	1	8	7	5	85-912	
HAB 195	78BP-3xVALLIANT	SNAP BEAN	1	.1		35	.	.	N	.	6	6	7	5	85-913	
HAB 196	78BP-3xVALLIANT	SNAP BEAN	1	.1		35	.	.	N	.	5	7	7	5	85-914	
HAB 197	78BP-3xVALLIANT	SNAP BEAN	1	.1		35	.	.	N	.	4	8	7	3	85-915	

Line	Cross	Cult. type	Seed			Days to								VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
HAB 198	OSU-4884-BxBARC-1	SNAP BEAN	1	.1	34	.	.	N	.	4	8	8	3	85-916	
HAB 199	OSU-4884-BxBARC-1	SNAP BEAN	1	.1	34	.	.	N	.	3	7	8	3	85-917	
HAB 200	OSU-4884-BxBARC-1	SNAP BEAN	1	.1	34	.	1	N	.	2	7	7	3	85-918	
HAB 201	OSU-4094-BxBARC-1	SNAP BEAN	1	.1	33	.	.	N	.	4	7	8	3	85-919	
HAB 202	OSU-4094-BxBARC-1	SNAP BEAN	1	.1	34	.	1	N	.	3	8	8	3	85-920	
HAB 203	78BP-8xNY76-2812-15	SNAP BEAN	1	.1	34	.	1	N	.	7	7	7	3	85-921	
HAB 204	78BP-8xNY76-2812-15	SNAP BEAN	1	.1	34	.	.	N	.	7	8	7	3	85-922	
HAB 205	G1040xG6628	SNAP BEAN	1	.4A	36	.	.	N	.	2	7	6	5	85-923	
HAB 206	G1040xG6628	SNAP BEAN	1	.4A	36	.	3	N	.	1	8	6	3	85-924	
HAB 207	G1040xG6628	SNAP BEAN	2	.4A	34	.	1	N	.	1	5	7	3	85-925	
HAB 208	V79020xG8922	SNAP BEAN	1	.4A	34	.	4	N	.	1	9	8	3	85-926	
HAB 209	V79020xG8922	SNAP BEAN	1	.4A	36	.	.	N	.	2	9	7	5	85-927	
HAB 210	V79020xG8922	SNAP BEAN	4	.4A	36	.	4	N	.	2	7	7	3	85-928	
HAB 211	V79020xG8922	SNAP BEAN	1	.4A	36	.	.	N	.	1	7	7	5	85-929	
HAB 212	V79020xG8922	SNAP BEAN	4	.4A	45	.	.	N	.	2	8	8	3	85-930	
HAB 213	V79020xG8922	SNAP BEAN	8	.4B	39	.	.	N	.	2	7	7	5	85-931	
HAB 214	V79020xG8922	SNAP BEAN	3	.4A	41	.	3	N	.	3	8	7	3	85-932	
HAB 215	V79020xG8922	SNAP BEAN	8	.4A	40	.	.	N	.	1	7	7	5	85-933	
HAB 216	V79020xG8922	SNAP BEAN	8	.4A	38	.	.	N	.	2	8	7	3	85-934	
HAB 217	V79020xG8922	SNAP BEAN	1	.4A	40	.	.	N	.	3	9	7	3	85-935	
HAB 218	V79020xG8922	SNAP BEAN	8	.4A	35	.	.	N	.	2	7	8	5	85-936	
HAB 219	V79020xG8922	SNAP BEAN	1	.4A	39	.	3	N	.	2	8	7	5	85-937	
HAB 220	V79020xG8922	SNAP BEAN	1	.4A	40	.	.	N	.	6	8	8	3	85-938	
HAB 221	V79020xG8922	SNAP BEAN	1	.4A	39	.	.	N	.	1	7	7	3	85-939	
HAB 222	V79020xG8922	SNAP BEAN	1	.4A	33	.	5	N	.	5	7	7	5	85-940	
HAB 223	V79020xG8922	SNAP BEAN	1	.4A	34	.	.	N	.	2	7	7	3	85-941	
HAB 224	V79020xG8922	SNAP BEAN	1	.4A	39	.	.	N	.	3	7	7	5	85-942	
HAB 225	V79020xG8922	SNAP BEAN	1	.4A	37	.	.	N	.	2	7	7	3	85-943	
HAB 226	V79020xG8922	SNAP BEAN	1	.4A	40	.	.	N	.	1	8	7	5	85-944	
HAB 227	V79020xG8922	SNAP BEAN	8	.4A	40	.	.	N	.	1	7	7	3	85-945	
HAB 228	V79020xG8922	SNAP BEAN	8	.4A	37	.	.	N	.	2	8	8	3	85-946	
HAB 229	V79020xG8922	SNAP BEAN	8	.4A	36	.	2	N	.	1	7	8	3	85-947	
HAB 230	V79020xG8922	SNAP BEAN	8	.4A	37	.	.	N	.	1	7	8	3	85-948	
HAB 231	V79020xG8922	SNAP BEAN	4	.4A	37	.	.	N	.	3	7	8	3	85-949	
HAB 232	V79020xG8922	SNAP BEAN	8	.4A	42	.	.	N	.	4	7	8	3	85-950	
HAB 233	V79020xG8922	SNAP BEAN	4	.4A	36	.	.	N	.	3	7	6	5	85-951	
HAB 234	V79020xG8922	SNAP BEAN	1	.4A	36	.	.	N	.	2	6	8	3	85-952	
HAB 235	V79020xG8922	SNAP BEAN	4	.4A	35	.	.	N	.	3	7	7	3	85-953	
HAB 236	V79020xG8922	SNAP BEAN	4	.4A	36	.	.	N	.	2	7	8	3	85-954	
HAB 237	G8878xG3742	SNAP BEAN	2R	.2B	38	.	1	N	.	1	7	6	6	87-682	
HAB 238	G8878xG3742	SNAP BEAN	2R	.2B	38	.	1	N	.	2	5	6	6	87-683	
HAB 239	G8878xG3742	SNAP BEAN	2R	.2B	38	.	1	N	.	2	4	6	6	87-684	
HAB 240	G8878xG3742	SNAP BEAN	2R	.2B	38	.	1	N	.	1	5	5	6	87-685	
HAB 241	78BP-3xVALLIANT	SNAP BEAN	1	.1	36	.	1	N	.	6	6	6	6	87-686	
HAB 242	78BP-3xVALLIANT	SNAP BEAN	1	.1	35	.	1	N	.	7	5	7	5	87-687	
HAB 243	78BP-8xNY76-2812-15	SNAP BEAN	1	.1	35	.	1	N	.	7	4	7	5	87-688	
HAB 244	78BP-8xNY76-2812-15	SNAP BEAN	1	.1	35	.	1	N	.	7	7	6	3	87-689	
HAB 245	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1	37	.	1	N	.	6	6	7	4	87-690	
HAB 246	78BP-3xVALLIANT	SNAP BEAN	1	.1	36	.	1	N	.	7	6	7	4	87-691	
HAB 247	OSU-4094-BxBARC-1	SNAP BEAN	1	.1	36	.	1	N	.	6	6	7	4	87-692	
HAB 248	OSU-4094-BxBARC-1	SNAP BEAN	1	.1	37	.	1	N	.	7	7	7	4	87-693	
HAB 249	78BP-8xNY76-2812-15	SNAP BEAN	1	.1	36	.	1	N	.	5	8	7	4	87-694	
HAB 250	VALLIANTxNY76-2812-15	SNAP BEAN	1	.1	38	.	1	N	.	7	7	7	4	87-695	
HAB 251	78BP-3xVALLIANT	SNAP BEAN	1	.1	37	.	1	N	.	7	6	6	5	87-696	
HAB 252	2491	SNAP BEAN	1	.1	35	.	1	N	.	7	7	6	3	87-697	
HAB 253	2491	SNAP BEAN	1	.1	35	.	1	N	.	7	7	7	3	87-698	

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	VEF Yr	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV							
HAB 254	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		35	.	1	N	.	7	8	7	3	87-699	
HAB 255	78BP-8	SNAP BEAN	1	. 1		35	.	1	N	.	7	7	6	3	87-700	
HAB 256	78BP-3xVALLIANT	SNAP BEAN	1	. 1		37	.	.	N	.	7	7	7	5	87-701	
HAB 257	OSU-4884-BxBARC-1	SNAP BEAN	1	. 1		34	.	1	N	.	7	7	6	4	87-702	
HAB 258	BLUEMOUNTAINxNY76-2812-15	SNAP BEAN	1	. 1		37	.	1	N	.	8	7	7	5	87-703	
HAB 259	G7564xG5496	SNAP BEAN	1	. 1		32	.	1	N	.	8	6	6	3	87-704	
HAB 260	G11245xG7476	SNAP BEAN	8	. 1		33	.	1	N	.	8	7	7	4	87-705	
HAB 261	G11245xG7476	SNAP BEAN	8	. 1		34	.	1	N	.	8	7	7	3	87-706	
HAB 262	G11245xG7476	SNAP BEAN	8	. 1		34	.	1	N	.	8	6	7	3	87-707	
HAB 263	G11245xG7476	SNAP BEAN	8	. 1		34	.	1	N	.	7	6	7	3	87-708	
HAB 264	G7564xG5496	SNAP BEAN	8	. 1		33	.	1	N	.	8	7	6	3	87-709	
HAB 265	G7564xG5496	SNAP BEAN	1	. 1		33	.	4	N	.	7	7	6	3	87-710	
HAB 266	G11245xG7476	SNAP BEAN	8M	. 1		33	.	1	N	.	8	7	7	3	87-711	
HAB 267	G11245xG7476	SNAP BEAN	1	. 1		34	.	1	N	.	8	7	6	4	87-712	
HAB 268	G11245xG7476	SNAP BEAN	1	. 1		35	.	1	N	.	8	7	6	3	87-713	
HAB 269	G11245xG7476	SNAP BEAN	1	. 1		33	.	.	N	.	8	7	7	4	87-714	
HAB 270	G11245xG7476	SNAP BEAN	1	. 1		35	.	1	N	.	7	8	6	3	87-715	
HAB 271	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		34	.	1	N	.	7	7	7	3	87-716	
HAB 272	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		33	.	1	N	.	7	7	7	3	87-717	
HAB 273	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		35	.	1	N	.	7	7	6	3	87-718	
HAB 274	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		35	.	1	N	.	7	7	6	3	87-719	
HAB 275	78BP-3xVALLIANT	SNAP BEAN	1	. 1		35	.	.	N	.	7	7	5	4	87-720	
HAB 276	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		34	.	1	N	.	7	7	6	3	87-721	
HAB 277	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		34	.	.	N	.	7	8	6	3	87-722	
HAB 278	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		33	.	1	N	.	7	7	5	3	87-723	
HAB 279	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		33	.	1	N	.	7	7	6	3	87-724	
HAB 280	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		33	.	1	N	.	7	7	6	3	87-725	
HAB 281	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		33	.	.	N	.	8	7	5	3	87-726	
HAB 282	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		33	.	1	N	.	7	7	3	3	87-727	
HAB 283	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		33	.	1	N	.	7	7	3	3	87-728	
HAB 284	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		34	.	1	N	.	7	6	5	3	87-729	
HAB 285	78BP-8	SNAP BEAN	1	. 1		33	.	1	N	.	7	6	5	3	87-730	
HAB 286	78BP-8	SNAP BEAN	1	. 1		34	.	1	N	.	7	5	5	3	87-731	
HAB 287	VALLIANTxNY76-2812-15	SNAP BEAN	1	. 1		33	.	1	N	.	7	6	6	4	87-732	
HAB 288	VALLIANTxNY76-2812-15	SNAP BEAN	1	. 1		33	.	.	N	.	6	7	6	4	87-733	
HAB 289	VALLIANTxNY76-2812-15	SNAP BEAN	1	. 1		33	.	.	N	.	7	7	6	3	87-734	
HAB 290	VALLIANTxNY76-2812-15	SNAP BEAN	1	. 1		35	.	1	N	.	7	5	6	4	87-735	
HAB 291	78BP-3xVALLIANT	SNAP BEAN	1	. 1		34	.	1	N	.	7	6	5	4	87-736	
HAB 292	OSU-4094-BxBARC-1	SNAP BEAN	1	. 1		34	.	1	N	.	7	4	5	4	87-737	
HAB 293	OSU-4094-BxBARC-1	SNAP BEAN	1	. 1		33	.	1	N	.	6	7	7	4	87-738	
HAB 294	OSU-4094-BxBARC-1	SNAP BEAN	1	. 1		33	.	.	N	.	2	7	6	5	87-739	
HAB 295	OSU-4094-BxBARC-1	SNAP BEAN	1	. 1		33	.	1	N	.	4	7	6	4	87-740	
HAB 296	OSU-4094-BxBARC-1	SNAP BEAN	1	. 1		33	.	1	N	.	4	7	5	6	87-741	
HAB 297	OSU-4094-BxBARC-1	SNAP BEAN	1	. 1		34	.	1	N	.	7	8	6	4	87-742	
HAB 298	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		34	.	1	N	.	7	7	6	4	87-743	
HAB 299	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		34	.	1	N	.	6	6	5	2	87-744	
HAB 300	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		34	.	1	N	.	7	3	7	3	87-745	
HAB 301	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		34	.	1	N	.	7	7	7	3	87-746	
HAB 302	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		34	.	1	N	.	8	6	7	3	87-747	
HAB 303	78BP-8	SNAP BEAN	1	. 1		34	.	1	N	.	7	7	6	4	87-748	
HAB 304	VALLIANTxNY76-2812-15	SNAP BEAN	1	. 1		35	.	1	N	.	8	7	6	4	87-749	
HAB 305	VALLIANTxNY76-2812-15	SNAP BEAN	1	. 1		36	.	1	N	.	8	6	7	4	87-750	
HAB 306	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		34	.	1	N	.	6	8	6	3	87-751	
HAB 307	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		34	.	1	N	.	7	6	6	3	87-752	
HAB 308	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		33	.	1	N	.	7	7	6	3	87-753	
HAB 309	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		33	.	.	N	.	8	7	6	3	87-754	

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
HAB 310	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		33	.	1	N	.	8	7	7	3	87-755	
HAB 311	78BP-8xNY76-2812-15	SNAP BEAN	1	. 1		33	.	2	N	.	8	7	7	3	87-756	
HAB 312	G11245xG5476	SNAP BEAN	8	. 1		32	.	1	N	.	8	8	6	3	87-757	
HAB 313	G11245xG5476	SNAP BEAN	8	. 1		32	.	1	N	.	8	6	6	3	87-758	
HAB 314	G11245xG5476	SNAP BEAN	8	. 1		32	.	1	N	.	8	6	6	3	87-759	
HAB 315	G11245xG5476	SNAP BEAN	8	. 1		32	.	1	N	.	7	8	5	3	87-760	
HAB 316	G11245xG5476	SNAP BEAN	8	. 1		33	.	1	N	.	7	7	6	3	87-761	
HAB 317	G11245xG5476	SNAP BEAN	8	. 1		33	.	1	N	.	7	6	7	3	87-762	
HAB 318	G7564xG5496	SNAP BEAN	4M	. 1		33	.	1	N	.	8	5	7	3	87-763	
HAB 319	G7564xG5496	SNAP BEAN	4M	. 1		33	.	1	N	.	7	7	5	3	87-764	
HAB 320	G7564xG5496	SNAP BEAN	4	. 1		32	.	1	N	.	7	8	5	3	87-765	
HAB 321	G7564xG5496	SNAP BEAN	1	. 1		33	.	1	N	.	7	4	6	4	87-766	
HAB 322	G7564xG5496	SNAP BEAN	8	. 1		32	.	1	N	.	8	7	6	5	87-767	
HAB 323	G7564xG5496	SNAP BEAN	8	. 1		33	.	.	N	.	8	7	6	2	87-768	
HAB 324	G7564xG5496	SNAP BEAN	8	. 1		32	.	1	N	.	7	7	6	5	87-769	
HAB 325	G11245xG7476	SNAP BEAN	8M	. 1		33	.	1	N	.	8	6	7	3	87-770	
HAB 326	G11245xG7476	SNAP BEAN	8M	. 1		34	.	1	N	.	8	6	7	3	87-771	
HAB 327	G11245xG7476	SNAP BEAN	8	. 1		35	.	1	N	.	8	6	7	3	87-772	
HAB 328	G11245xG7476	SNAP BEAN	8	. 1		35	.	1	N	.	7	7	7	3	87-773	
HAB 329	G11245xG7476	SNAP BEAN	8	. 1		34	.	1	N	.	8	7	7	3	87-774	
HAB 330	G11245xG7476	SNAP BEAN	8	. 1		34	.	1	N	.	8	7	5	3	87-775	
HAB 331	G11245xG7476	SNAP BEAN	8	. 1		33	.	1	N	.	8	6	5	4	87-776	
HAB 332	G11245xG7476	SNAP BEAN	8	. 1		33	.	1	N	.	8	7	5	4	87-777	
HAB 333	G11245xG7476	SNAP BEAN	8	. 1		33	.	1	N	.	8	7	5	4	87-778	
HAB 334	G11245xG7476	SNAP BEAN	8	. 1		33	.	1	N	.	8	7	6	3	87-779	
HAB 335	G11245xG7476	SNAP BEAN	8	. 1		33	.	1	N	.	8	7	7	4	87-780	
HAB 336	G11245xG7476	SNAP BEAN	8	. 1		33	.	1	N	.	8	8	7	5	87-781	
HAB 337	G3742xG7542	SNAP BEAN	11	30		34	.	.	N	9	7	7	7	3	88-1259	
HAB 338	G3742xG7542	SNAP BEAN	11	30		34	.	.	N	9	7	7	6	3	88-1260	
HAB 339	LINEA-2600xBAT1274	SNAP BEAN	11	31		36	.	6	N	9	4	4	5	2	88-1261	
HAB 340	LINEA-2600xBAT1274	SNAP BEAN	11	28		37	.	8	N	9	2	4	5	3	88-1262	
HAB 341	LINEA-2600xBAT1274	SNAP BEAN	11	27		35	.	8	N	9	3	4	5	4	88-1263	
HAB 342	LINEA-2600xBAT1274	SNAP BEAN	11	38		37	.	1	N	9	3	5	6	4	88-1264	
HAB 343	LINEA-2600xBAT1274	SNAP BEAN	11	31		35	.	1	N	9	4	4	5	3	88-1265	
HAB 344	LINEA-2600xBAT1274	SNAP BEAN	11	29		35	.	1	N	9	3	4	5	2	88-1266	
HAB 345	LINEA-2600xBAT1274	SNAP BEAN	11	30		37	.	8	N	9	3	5	4	5	88-1267	
HAB 346	LINEA-2600xBAT1274	SNAP BEAN	11	32		34	.	1	N	9	2	4	5	4	88-1268	
HAB 347	LINEA-2600xBAT1274	SNAP BEAN	11	36		35	.	1	N	9	3	5	5	4	88-1269	
HAB 348	LINEA-2600xBAT1274	SNAP BEAN	11	39		35	.	5	N	9	1	5	6	4	88-1270	
HAB 349	LINEA-2600xBAT1274	SNAP BEAN	11	36		34	.	8	N	9	1	5	7	4	88-1271	
HAB 350	LINEA-2600xBAT1274	SNAP BEAN	11	33		36	.	8	N	9	2	5	6	4	88-1272	
HAB 351	LINEA-2600xBAT1274	SNAP BEAN	11	29		35	.	8	N	9	2	5	6	3	88-1273	
HAB 352	LINEA-2600xBAT1274	SNAP BEAN	11	35		36	.	8	N	9	2	5	6	3	88-1274	
HAB 353	LINEA-2600xBAT1274	SNAP BEAN	11	30		36	.	8	N	9	2	5	5	3	88-1275	
HAB 354	LINEA-2600xBAT1274	SNAP BEAN	11	37		38	.	7	N	9	3	5	7	4	88-1276	
HAB 355	LINEA-2600xBAT1274	SNAP BEAN	11	32		34	.	1	N	9	3	5	6	4	88-1277	
HAB 356	LINEA-2600xBAT1274	SNAP BEAN	11	31		35	.	1	N	9	2	5	7	6	88-1278	
HAB 357	LINEA-2600xBAT1274	SNAP BEAN	11	30		34	.	1	N	9	4	5	7	4	88-1279	
HAB 358	LINEA-2600xBAT1274	SNAP BEAN	11	29		35	.	1	N	9	1	5	7	5	88-1280	
HAB 359	LINEA-2600xBAT1274	SNAP BEAN	11	29		35	.	1	N	9	2	5	7	4	88-1281	
HAB 360	LINEA-2600xBAT1274	SNAP BEAN	11	29		34	.	1	N	9	2	5	7	5	88-1282	
HAB 361	LINEA-2600xBAT1274	SNAP BEAN	11	31		35	.	1	N	9	2	5	6	5	88-1283	
HAB 362	LINEA-2600xBAT1274	SNAP BEAN	11	29		35	.	1	N	9	2	4	7	2	88-1284	
HAB 363	LINEA-2600xBAT1274	SNAP BEAN	11	33		37	.	1	N	9	2	5	6	5	88-1285	
HAB 364	LINEA-2600xBAT1274	SNAP BEAN	11	32		37	.	1	N	9	3	5	7	5	88-1286	
HAB 365	LINEA-2600xBAT1274	SNAP BEAN	11	28		37	.	4	N	9	2	5	7	5	88-1287	

Line	Cross	Cult. type	Seed			Days to										VKF	IB
			col.	Wt	Hab	Fl	Mt	Fol	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
HAB 366	LINEA-2600xBAT1274	SNAP BEAN	11	32		36	.	4	N	9	2	6	7	2	88-1288		
HAB 367	LINEA-2600xBAT1274	SNAP BEAN	11	36		36	.	3	N	9	2	5	7	5	88-1289		
HAB 368	LINEA-2600xBAT1274	SNAP BEAN	11	31		35	.	4	N	9	2	5	6	5	88-1290		
HAB 369	LINEA-2600xBAT1274	SNAP BEAN	11	35		35	.	5	N	9	2	5	6	5	88-1291		
HAB 370	LINEA-2600xBAT1274	SNAP BEAN	11	34		38	.	3	N	9	2	5	8	4	88-1292		
HAB 371	LINEA-2600xBAT1198	SNAP BEAN	11	19		38	.	.	N	9	8	6	8	5	88-1293		
HAB 372	LINEA-2600xBAT1198	SNAP BEAN	11	23		36	.	.	N	9	8	4	8	3	88-1294		
HAB 373	LINEA-2600xBAT1198	SNAP BEAN	11	20		38	.	.	N	9	8	4	8	4	88-1295		
HAB 374	LINEA-2600xBAT1198	SNAP BEAN	11	21		37	.	.	N	9	8	5	8	3	88-1296		
HAB 375	LINEA-2600xBAT1198	SNAP BEAN	11	21		37	.	.	N	9	8	5	8	6	88-1297		
HAB 376	LINEA-2600xBAT1198	SNAP BEAN	11	18		37	.	.	N	9	8	4	7	4	88-1298		
HAB 377	LINEA-2605xBAT1274	SNAP BEAN	11	32		37	.	1	N	9	2	5	7	3	88-1299		
HAB 378	LINEA-2605xBAT1274	SNAP BEAN	11	36		37	.	1	N	9	6	4	5	3	88-1300		
HAB 379	LINEA-2605xBAT1274	SNAP BEAN	11	36		37	.	1	N	9	6	5	6	4	88-1301		
HAB 380	LINEA-2605xBAT1274	SNAP BEAN	11	33		37	.	1	N	9	2	4	8	4	88-1302		
HAB 381	LINEA-2624xBAT336	SNAP BEAN	11	34		34	.	.	N	9	8	7	5	3	88-1303		
HAB 382	LINEA-2624xBAT336	SNAP BEAN	11	35		37	.	.	M	9	7	7	7	3	88-1304		
HAB 383	LINEA-2624xBAT336	SNAP BEAN	11	36		37	.	8	N	9	3	6	7	2	88-1305		
HAB 384	LINEA-2624xBAT336	SNAP BEAN	11	26		37	.	.	N	9	9	6	5	3	88-1306		
HAB 385	LINEA-2624xBAT336	SNAP BEAN	11	31		37	.	1	N	9	2	5	7	5	88-1307		
HAB 386	LINEA-2624xBAT336	SNAP BEAN	11	34		37	.	1	N	9	3	5	6	2	88-1308		
HAB 387	LINEA-2624xBAT336	SNAP BEAN	11	27		37	.	1	N	9	5	4	6	3	88-1309		
HAB 388	LINEA-2624xBAT336	SNAP BEAN	11	26		38	.	.	N	9	8	5	6	2	88-1310		
HAB 389	LINEA-2624xBAT336	SNAP BEAN	11	27		38	.	2	N	9	4	5	5	2	88-1311		
HAB 390	LINEA-2624xBAT336	SNAP BEAN	11	28		38	.	2	N	9	5	4	5	2	88-1312		
HAB 391	LINEA-2624xBAT336	SNAP BEAN	11	25		38	.	2	N	9	4	4	5	2	88-1313		
HAB 392	LINEA-2624xBAT336	SNAP BEAN	11	41		39	.	8	N	9	2	6	6	3	88-1314		
HAB 393	LINEA-2624xBAT336	SNAP BEAN	11	38		38	.	8	N	9	2	6	6	2	88-1315		
HAB 394	LINEA-2624xBAT336	SNAP BEAN	11	36		39	.	8	N	9	2	5	6	2	88-1316		
HAB 395	G6631xBAT41	SNAP BEAN	11	23		40	.	1	N	9	2	6	5	2	88-1317		
HAB 396	G6631xBAT41	SNAP BEAN	11	24		39	.	1	N	9	2	5	6	4	88-1318		
HAB 397	LINEA-2480xBAT332	SNAP BEAN	11	24		36	.	.	N	9	7	6	7	3	88-1319		
HAB 398	LINEA-2624xBAT1297	SNAP BEAN	11	19		36	.	.	N	9	7	7	7	3	88-1320		
HAB 399	LINEA-2624xBAT1297	SNAP BEAN	11	21		38	.	.	N	8	8	7	4	3	88-1321		
HAB 400	LINEA-2624xBAT1198	SNAP BEAN	11	20		38	.	.	N	8	8	6	7	5	88-1322		
HAB 401	LINEA-2587xBAT1198	SNAP BEAN	11	19		.	.	.	N	8	8	7	8	4	88-1323		
HAB 402	G3742xS6688	SNAP BEAN	1	27	1	34	80	.	N	.	8	5	6	3	90-531		
HAB 403	G3742xS6688	SNAP BEAN	1	30	1	32	71	.	N	.	6	7	6	3	90-532		
HAB 404	G17647xS25035	SNAP BEAN	1	28	1	35	75	.	N	.	7	5	6	3	90-533		
HAB 405	G17647xS25035	SNAP BEAN	1	25	1	35	76	.	N	.	1	5	7	3	90-534		
HAB 406	G17647xS25035	SNAP BEAN	1	27	1	35	78	.	N	.	.	6	7	4	90-535		
HAB 407	G17647xS25035	SNAP BEAN	1	27	1	35	77	.	N	.	8	6	7	4	90-536		
HAB 408	G17647xS25035	SNAP BEAN	1	27	1	35	71	.	N	.	.	6	7	3	90-537		
HAB 409	G17647xS25035	SNAP BEAN	1	30	1	34	76	.	N	.	.	6	7	4	90-538		
HAB 410	G17647xS25026	SNAP BEAN	1	23	1	35	76	.	N	.	.	6	7	3	90-539		
HAB 411	83GP-626ASGRxS25035	SNAP BEAN	1	28	1	33	71	.	N	.	7	6	5	3	90-540		
HAB 412	G9391xS6688	SNAP BEAN	4	34	1	32	76	.	N	.	7	6	7	3	90-541		
HAB 413	G9391xS6688	SNAP BEAN	7M	39	1	32	72	.	N	.	8	6	6	3	90-542		
HAB 414	S25026xS6688	SNAP BEAN	1	31	1	35	75	.	N	.	7	5	7	4	90-543		
HAB 415	S25026xS6688	SNAP BEAN	1	30	1	33	75	.	N	.	7	6	7	4	90-544		
HAB 416	S25026xS6688	SNAP BEAN	1	35	1	33	75	.	N	.	7	6	7	3	90-545		
HAB 417	S25026xS6688	SNAP BEAN	1	30	1	33	75	.	N	.	7	6	7	2	90-546		
HAB 418	S25026xS6688	SNAP BEAN	1	36	1	33	76	.	N	.	3	5	7	4	90-547		
HAB 419	S25026xS6688	SNAP BEAN	1	38	1	33	77	.	N	.	.	6	7	4	90-548		
HAB 420	S25026xS6688	SNAP BEAN	1	29	1	34	76	.	N	.	.	5	7	4	90-549		
HAB 421	S25026xS6688	SNAP BEAN	1	36	1	33	76	.	N	.	6	4	4	4	90-550		

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
HAB 422	S25035xS25026	SNAP BEAN	1	31	1	35	71	.	N	.	4	5	4	4	90-551	
HAB 423	S25035xS25026	SNAP BEAN	1	27	1	35	72	.	N	.	5	6	7	3	90-552	
HAB 424	S25026xS25035	SNAP BEAN	1	34	1	35	72	.	N	.	5	6	7	3	90-553	
HAB 425	S25026xS25035	SNAP BEAN	1	35	1	33	76	.	N	.	6	5	7	4	90-554	
HAB 426	S25026xS25035	SNAP BEAN	1	31	1	35	70	.	N	.	7	6	7	4	90-555	
HAB 427	S25026xS25035	SNAP BEAN	1	30	1	35	71	.	N	.	7	6	7	4	90-556	
HAB 428	S25026xS25035	SNAP BEAN	1	29	1	35	72	.	N	.	6	4	7	4	90-557	
HAB 429	G9197xS25026	SNAP BEAN	8	32	1	33	71	.	M	.	7	7	6	4	90-558	
HAB 430	83GP626ASGX(G11245xG7476)	SNAP BEAN	1	26	1	35	76	.	N	.	4	5	6	3	90-559	
HAB 431	FRESHMARKETx2805-13-10	SNAP BEAN	1	27	1	37	75	.	N	.	7	5	4	5	90-560	
HAB 432	G11205xBARCRESISTAN	SNAP BEAN	1	22	1	35	68	.	N	.	6	6	6	3	90-561	
HAB 433	BARCRESISTANxHAB127	SNAP BEAN	1	20	1	35	78	.	N	.	6	6	6	2	90-562	
HAB 434	BARCRESISTANxHAB47	SNAP BEAN	4	26	1	35	76	.	N	.	5	7	6	2	90-563	
HAB 435	G6515xG6003	SNAP BEAN	1	28	1	34	76	.	N	.	5	7	7	2	90-564	
HAB 436	G6515x2576-17-C5	SNAP BEAN	1	25	1	34	77	.	N	.	7	6	6	2	90-565	
HAB 437	HAB30xDESCONOCIDO	SNAP BEAN	8	29	1	33	76	.	N	.	8	7	5	2	90-566	
HAB 438	HAB30xDESCONOCIDO	SNAP BEAN	8	28	1	34	76	.	N	.	8	7	5	3	90-567	
HAB 439	HAB30x2576-17-C5	SNAP BEAN	7	33	1	34	76	.	N	.	.	7	6	3	90-568	
HAB 440	HAB140x83GP-626ASGR	SNAP BEAN	1	29	1	35	79	.	N	.	3	6	6	4	90-569	
HAB 441	HAB140x83GP-626ASGR	SNAP BEAN	1	24	1	37	80	.	N	.	.	6	6	3	90-570	
HAB 442	HAB140x83GP-626ASGR	SNAP BEAN	1	18	1	35	80	.	N	.	4	5	5	3	90-571	
HAB 443	HAB140x83GP-626ASGR	SNAP BEAN	1	19	1	37	79	.	N	.	6	4	5	3	90-572	
HAB 444	HAB140x83GP-626ASGR	SNAP BEAN	1	33	1	34	72	.	N	.	6	6	5	3	90-573	
HAB 445	HAB140xDESCONOCIDO	SNAP BEAN	1	21	1	35	78	.	N	.	7	5	6	3	90-574	
HAB 446	HAB140xDESCONOCIDO	SNAP BEAN	1	27	1	35	80	.	N	.	6	6	6	5	90-575	
HAB 447	HAB140xDESCONOCIDO	SNAP BEAN	1	25	1	35	78	.	N	.	5	5	5	4	90-576	
HAB 448	HAB140xDESCONOCIDO	SNAP BEAN	1	16	1	35	80	.	N	.	6	6	5	4	90-577	
HAB 449	HAB140x2576-17-C5	SNAP BEAN	1	23	1	35	80	.	N	.	7	7	4	5	90-578	
HAB 450	G1040xS25032	SNAP BEAN	4	30	4A	57	132	.	N	.	7	7	6	8	90-794	
HAB 451	W8xHAB52	SNAP BEAN	4	35	1	38	73	.	N	.	7	8	7	5	91-470	
HAB 452	G9128xS6688	SNAP BEAN	1	25	1	35	67	.	N	.	1	6	7	4	91-471	
HAB 453	D-6xHAB52	SNAP BEAN	4	30	1	35	66	.	N	.	7	6	7	5	91-472	
HAB 454	D-6xHAB52	SNAP BEAN	4	30	1	35	67	.	N	.	7	7	7	5	91-473	
HAB 455	D-6xHAB52	SNAP BEAN	4	29	1	35	67	.	N	.	6	7	7	3	91-474	
HAB 456	G9127xS6688	SNAP BEAN	1	24	1	36	69	.	N	.	7	7	.	3	91-475	
HAB 457	G9127xG6628	SNAP BEAN	1	23	1	37	73	.	N	.	3	6	7	4	91-476	
HAB 458	HAB140xG9391	SNAP BEAN	1	21	1	36	64	.	N	.	7	6	7	4	91-477	
HAB 459	HAB140xG9197	SNAP BEAN	4	23	1	38	74	.	N	.	7	5	7	4	91-478	
HAB 460	HAB53xBARCRESISTAN	SNAP BEAN	4	30	1	37	71	.	N	.	8	7	5	4	91-479	
HAB 461	HAB53xBARCRESISTAN	SNAP BEAN	4	30	1	37	69	.	N	.	8	7	6	4	91-480	
HAB 462	HAB53xBARCRESISTAN	SNAP BEAN	4	32	1	37	71	.	N	.	8	6	6	4	91-481	
HAB 463	HAB53xBARCRESISTAN	SNAP BEAN	4	31	1	37	71	.	N	.	8	6	6	5	91-482	
HAB 464	HAB53xBARCRESISTAN	SNAP BEAN	4	31	1	37	69	.	N	.	8	6	7	5	91-483	
HAB 465	HAB53xBARCRESISTAN	SNAP BEAN	4	31	1	33	69	.	N	.	8	7	5	5	91-484	
HAB 466	HAB53xBARCRESISTAN	SNAP BEAN	4	31	1	38	71	.	N	.	8	6	7	5	91-485	
HAB 467	HAB50xG11245XG747	SNAP BEAN	8	26	1	34	64	.	N	.	8	7	7	5	91-486	
HAB 468	HAB50xG11245XG747	SNAP BEAN	8	26	1	35	67	.	N	.	8	7	7	5	91-487	
HAB 469	HAB140xBARCRESISTAN	SNAP BEAN	1	20	1	37	71	.	N	.	8	6	7	5	91-488	
HAB 470	HAB140xBARCRESISTAN	SNAP BEAN	1	18	1	38	73	.	N	.	8	7	5	4	91-489	
HAB 471	HAB53xG11199	SNAP BEAN	1	25	1	35	74	.	N	.	8	5	6	4	91-490	
HAB 472	HAB140xG9197	SNAP BEAN	8	17	1	38	.	.	M	.	1	7	6	3	92-764	
HAB 473	HAB53xBARCRESISTAN	SNAP BEAN	8	27	1	35	.	.	N	.	5	7	7	3	92-765	
HAB 474	HAB53xG11199	SNAP BEAN	1	17	1	31	.	.	N	.	2	7	6	3	92-766	
HAB 475	HAB53xG11199	SNAP BEAN	1	13	1	36	.	.	N	.	4	5	7	3	92-767	
HAB 476	S6688xSTAMSNIBONENxS6688)	SNAP BEAN	1	23	1	37	.	.	M-N	.	5	6	7	3	92-768	
HAB 477	S6688xHAB140xS6688)	SNAP BEAN	1	22	1	37	.	.	N	.	5	5	6	3	92-769	

Line	Cross#	Cult. type	Seed			Days to							VEF		IB YAN		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent
HAB	478	S6688xHAB140xS6688)	SNAP BEAN	1	24	1	37	.	.	N	.	7	6	7	3	92-770	
HAB	479	S6688xICA85652	SNAP BEAN	1	28	1	33	.	.	N	.	5	6	7	3	92-771	
HAB	480	S25035xICA85654	SNAP BEAN	4	29	1	29	.	.	N	.	6	6	6	3	92-772	
HAB	481	S25035xICA85654	SNAP BEAN	1	29	1	35	.	.	N	.	6	6	7	3	92-773	
HAB	482	S25035xICA85654	SNAP BEAN	1	27	1	33	.	.	N	.	6	6	7	3	92-774	
HAB	483	S25035xG5863	SNAP BEAN	1	36	1	36	.	.	N	.	6	6	7	3	92-775	
HAB	484	2468-14-C2xS6688	SNAP BEAN	1	28	1	31	.	.	N	.	1	7	7	2	92-776	
HAB	485	2468-14-C2xPRONKBONEN	SNAP BEAN	1	23	1	36	.	.	N	.	4	7	7	3	92-777	
HAB	486	HAB30xS25026	SNAP BEAN	4	28	1	29	.	.	N	.	6	6	7	3	92-778	
HAB	487	HAB30xS25026	SNAP BEAN	4	30	1	29	.	.	N	.	7	6	7	3	92-779	
HAB	488	HAB30xS25026	SNAP BEAN	4	33	1	31	.	.	N	.	6	7	7	3	92-780	
HAB	489	HAB30xICA11	SNAP BEAN	4	25	1	33	.	.	N	.	6	7	7	3	92-781	
HAB	490	HAB30xICA85651	SNAP BEAN	8	27	1	29	.	.	N	.	6	7	7	3	92-782	
HAB	491	HAB47xG9391	SNAP BEAN	8	25	1	27	.	.	N	.	6	7	7	3	92-783	
HAB	492	G20999xS6688	SNAP BEAN	1	26	1	34	.	.	N	.	5	5	6	3	92-784	
HAL	1	BAT1432xG5693xBAT1432)	SMALL WHITE	1	.	2	44	75	1	N	9	6	6	6	7	85-955	87
HAL	2	BAT1432xG5693xBAT1432)	SMALL WHITE	1	15	2	42	74	.	N	6	7	7	4	5	85-956	
HAL	3	BAT1432xG5693xBAT1432)	SMALL WHITE	1	15	2	45	75	.	N	6	7	5	5	5	85-957	
HAL	4	BAT1432xG5693xG5693)	SMALL WHITE	1	18	2	33	68	.	N	6	7	8	4	5	85-958	87
HAL	5	BAT1432xG5693xBAT1432)	SMALL WHITE	1	15	2	43	75	.	N	5	5	7	4	5	85-959	
HAL	6	BAT1432xG5693xBAT1432)	SMALL WHITE	1	16	2	45	75	.	N	5	6	7	4	5	85-960	
HAL	7	G14016xG6416	TUNDAMA	6M	41	1	38	72	6	N	9	2	6	6	4	86-377	
HAL	8	G14016xG6416	TUNDAMA	6M	42	1	38	72	8	N	9	3	6	6	4	86-378	
HAL	9	G14016xG6416	TUNDAMA	6M	42	1	38	72	8	N	9	3	5	5	3	86-379	89
HAL	10	G14016xG6416	TUNDAMA	6M	42	1	35	67	6	N	9	5	6	5	4	86-380	
HAL	11	G5708xG5708xG4450)	BAYO ANDINO	2	29	1	31	63	.	M-N	.	7	7	7	3	90-52	
HAL	12	(G5708xG4450)x(G5708xG4453)	SANGRETORO	6	31	1	33	63	.	M	.	6	7	6	6	90-409	
HAL	13	PVA1430xFENIXGN-16	SMALL WHITE	1	34	2A	38	86	.	M	.	3	4	6	7	90-9	
HAL	14	G5693xPUERTORICO	SMALL WHITE	1	21	2B	37	79	2	N	.	6	7	7	3	90-10	
HAL	15	G15416xG76	BICO DE OURO	2	22	2B	36	73	3	N	.	1	7	7	7	90-60	
HAV	1	G8992xA167	SNAP BEAN	2	18	3B	40	79	.	N	.	8	7	5	5	91-497	
HAV	2	G8992xA167	SNAP BEAN	1	18	3B	40	76	.	N	.	8	7	5	5	91-498	
HAV	3	G8992xA63	SNAP BEAN	4	21	4A	42	80	.	N	.	6	7	6	6	91-499	
HAV	4	G8992xA63	SNAP BEAN	4	22	4A	43	83	.	N	.	3	7	3	5	91-500	
HAV	5	G1040xBAT41	SNAP BEAN	4	24	4A	44	81	.	N	.	6	6	5	6	91-501	
HAV	6	G1040xBAT1210	SNAP BEAN	2	24	4A	45	76	.	N	.	7	6	6	7	91-502	
HAV	7	G8992xER5033	SNAP BEAN	4	25	4B	42	82	.	N	.	6	7	2	3	91-503	
HAV	8	G17723xHAB229	SNAP BEAN	8	26	4A	36	.	.	N	.	2	8	6	2	92-785	
HAV	9	G8992xHAB214	SNAP BEAN	4	36	4A	37	.	.	N	.	6	7	5	2	92-786	
HAV	10	HAB214xG17723	SNAP BEAN	4	31	4A	39	.	.	N	.	7	8	6	2	92-787	
HAV	11	HAB214xG17723	SNAP BEAN	1	25	4A	37	.	.	N	.	5	7	7	2	92-788	
HAV	12	HAB229xG14722	SNAP BEAN	8	24	4A	39	.	.	N-M	.	4	7	5	3	92-789	
HAV	13	G17723xHAB229	SNAP BEAN	1	24	4A	35	.	.	N	.	6	7	6	2	92-790	
HAV	14	G17723xHAB229	SNAP BEAN	8	26	4A	35	.	.	N	.	1	7	6	2	92-791	
HAV	15	G17723xHAB229	SNAP BEAN	8	25	4A	35	.	.	N	.	3	7	7	3	92-792	
HAV	16	G17723xHAB229	SNAP BEAN	8	27	4A	34	.	.	N	.	1	8	6	3	92-793	
HAV	17	G17723xHAB229	SNAP BEAN	8	25	4A	35	.	.	N	.	1	8	5	2	92-794	
HAV	18	G17723xHAB229	SNAP BEAN	8	27	4A	37	.	.	N	.	5	8	7	2	92-795	
HAV	19	G17723xHAB229	SNAP BEAN	8	26	4A	37	.	.	N	.	2	8	7	2	92-796	
HAV	20	G17723xHAB229	SNAP BEAN	8	26	4A	38	.	.	N	.	1	8	7	2	92-797	
HAV	21	G8992xHAB214	SNAP BEAN	1	30	4A	38	.	.	N	.	7	8	7	5	92-798	
HAV	22	G17647xG14586	SNAP BEAN	2	28	4A	40	.	.	N	.	3	6	3	4	92-799	
HAV	23	G17647xG14586	SNAP BEAN	2	27	4A	40	.	.	N	.	5	5	2	3	92-800	
HAV	24	G17647xG14586	SNAP BEAN	2	26	4A	41	.	.	N	.	5	6	4	4	92-801	
HAV	25	G17647xG14586	SNAP BEAN	2	25	4A	40	.	.	N	.	5	7	3	4	92-802	
HAV	26	G17647xG14586	SNAP BEAN	2	25	4B	38	.	.	N	.	2	7	4	7	92-803	

Line	Cross	Cult. type	Seed			Days to								VRF	IB			
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN	
HAV	27	G17647xG14586	SNAP	BEAN	2	27	4A	42	.	.	N	.	7	6	.	3	92-804	
HAV	28	HAB214xG17723	SNAP	BEAN	1	22	4A	37	.	.	N	.	8	7	7	2	92-805	
HAV	29	HAB214xG17723	SNAP	BEAN	1	22	4A	37	.	.	N	.	7	8	7	2	92-806	
HAV	30	HAB214xG17723	SNAP	BEAN	1	23	4A	38	.	.	N	.	7	8	7	2	92-807	
HAV	31	HAB214xG17723	SNAP	BEAN	1	25	4A	38	.	.	N	.	8	7	7	2	92-808	
HAV	32	HAB214xG17723	SNAP	BEAN	8	27	4A	40	.	.	N	.	7	7	7	3	92-809	
HAV	33	HAB214xG17723	SNAP	BEAN	1	22	4A	39	.	.	N	.	8	8	7	7	92-810	
HAV	34	HAB214xG17723	SNAP	BEAN	1	24	4A	39	.	.	N	.	7	8	7	8	92-811	
HAV	35	HAB214xG17723	SNAP	BEAN	8	25	4A	38	.	.	N	.	7	8	7	2	92-812	
HAV	36	HAB214x2124	SNAP	BEAN	4	28	4B	39	.	.	N	.	6	7	7	2	92-813	
HAV	37	HAB229xG15135	SNAP	BEAN	8	25	4A	36	.	.	N	.	4	7	7	2	92-814	
HAV	38	HAB229xG8228	SNAP	BEAN	8	24	4A	37	.	.	N	.	3	7	6	2	92-815	
HAV	39	HAB229xG8228	SNAP	BEAN	8	21	4A	38	.	.	N	.	3	7	5	5	92-816	
HAV	40	HAB229xG15300	SNAP	BEAN	2	25	4A	38	.	.	N	.	3	7	7	6	92-817	
HAV	41	HAB229xG15300	SNAP	BEAN	2	25	4B	42	.	.	N	.	1	6	7	3	92-818	
HAV	42	HAB229xPRONKBONEN	SNAP	BEAN	8	22	4A	38	.	.	N	.	1	7	7	2	92-819	
HAV	43	HAB229xPRONKBONEN	SNAP	BEAN	8	25	4A	37	.	.	N	.	1	7	7	3	92-820	
HAV	44	HAB222xG9147	SNAP	BEAN	1	25	4A	39	.	.	N	.	6	6	7	3	92-821	
HAV	45	STOKSLABONENxS6688	SNAP	BEAN	1	24	4A	38	.	.	N	.	5	6	7	5	92-822	
HAV	46	G8992x (G8992xHAB207)	SNAP	BEAN	1	29	4A	38	.	.	N	.	1	6	7	2	92-823	
HAV	47	G17750xHAB229	SNAP	BEAN	8	24	4A	38	.	.	N	.	2	6	7	2	92-824	
HAV	48	G17750xHAB229	SNAP	BEAN	8	26	4A	36	.	.	N	.	1	6	7	2	92-825	
HAV	49	G17750xLAGOAZUL	SNAP	BEAN	1	21	4A	41	.	.	N	.	1	7	7	6	92-826	
HAV	50	S25029xHAB209	SNAP	BEAN	1	22	4A	38	.	.	N	.	5	6	7	5	92-827	
HAV	51	G19268xHAB229	SNAP	BEAN	8	26	4A	36	.	.	N	.	3	7	6	2	92-828	
HAV	52	G18179xHAB208	SNAP	BEAN	1	30	4A	40	.	.	M-N	.	3	8	7	6	92-829	
HAV	53	G17647xG17723	SNAP	BEAN	1	18	4A	38	.	.	N	.	4	7	6	4	92-830	
HAV	54	G17647xG17723	SNAP	BEAN	1	23	4A	38	.	.	N	.	3	7	7	8	92-831	
HAV	55	G17647xG17723	SNAP	BEAN	1	23	4A	36	.	.	N	.	5	7	7	8	92-832	
HAV	56	G15801xHAB229	SNAP	BEAN	8	24	4A	37	.	.	N	.	5	7	6	2	92-833	
HAV	57	G14586xG14722	SNAP	BEAN	1	22	4A	37	.	.	N	.	7	7	6	8	92-834	
HAV	58	G14586xG17723	SNAP	BEAN	1	18	4A	37	.	.	N	.	7	7	5	8	92-835	
HAV	59	HAB236xG17723	SNAP	BEAN	1	20	4B	41	.	.	N	.	8	7	5	8	92-836	
HAV	60	HAB208xG15929	SNAP	BEAN	1	28	4A	37	.	.	N	.	4	8	6	4	92-837	
HAV	61	HAB208xHAB229	SNAP	BEAN	8	22	4A	37	.	.	N	.	1	7	7	3	92-838	
HAV	62	HAB208xHAB229	SNAP	BEAN	8	21	4A	38	.	.	N	.	1	7	7	3	92-839	
HAV	63	HAB208xHAB229	SNAP	BEAN	1	21	4B	39	.	.	N	.	1	7	7	3	92-840	
HAV	64	HAB208xHAB229	SNAP	BEAN	1	21	4A	43	.	.	N	.	1	7	7	3	92-841	
HAV	65	HAB208xHAB229	SNAP	BEAN	8	21	4A	39	.	.	N	.	1	7	7	2	92-842	
HAV	66	HAB208xHAB229	SNAP	BEAN	8	24	4A	38	.	.	N	.	1	7	7	3	92-843	
HAV	67	G14586xHAB229	SNAP	BEAN	8	22	4B	40	.	.	N	.	6	7	7	3	92-844	
HAV	68	G14586xHAB229	SNAP	BEAN	1	20	4A	38	.	.	N	.	3	8	7	6	92-845	
HAV	69	G14586xHAB229	SNAP	BEAN	8	18	4A	38	.	.	N	.	5	7	7	6	92-846	
HAV	70	G8992xHAB229	SNAP	BEAN	8	21	4A	37	.	.	N	.	3	7	6	6	92-847	
KID	1	G76xG5704	RED	KIDNEY	5	55	1	32	71	.	N	8	9	9	.	3	84-953	
KID	2	BAT1081xG4450	DUVA		6	45	1	32	64	.	N	8	9	9	.	3	84-954	
KID	3	BAT1081xG4450	DARK	RED KIDNEY	6	50	1	30	64	1	N	8	8	8	4	5	84-955	86
KID	4	BAT1081xG4450	DARK	RED KIDNEY	6	31	1	31	61	.	N	8	8	8	.	3	84-956	
KID	5	BAT1081xG4450	DUVA		6	51	1	33	67	.	M	8	9	8	.	3	84-957	
KID	6	BAT1081xG4450	DARK	RED KIDNEY	6	44	1	30	63	.	N	8	8	7	.	5	84-958	
KID	7	BAT1081xG4450	DUVA		6	46	1	30	62	1	N	8	8	8	4	5	84-959	86
KID	8	G4450xBAT1249	DARK	RED KIDNEY	6	53	1	33	62	3	N	8	8	8	4	5	84-960	86
KID	9	G5066xG4450	DARK	RED KIDNEY	6	34	1	30	59	.	N	8	3	7	1	3	84-961	
KID	10	G5066xG4450	DUVA		6	35	1	31	60	.	N	8	3	9	1	3	84-962	
KID	11	G5066xG4450	DARK	RED KIDNEY	6	41	1	30	61	.	N	8	4	9	1	3	84-963	
KID	12	G5066xG4450			5	48	1	33	62	.	N	8	4	7	4	5	84-964	

Line	Cross	Cult. type	Seed			Days to							VEF Yr Ent	IB YAN		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust
KID 13	BAT1223xG6402	DARK RED KIDNEY	6	50	2	36	75	.	M	7	8	7	6	5	84-965	
KID 14	G4450xBAT1249	DARK RED KIDNEY	6	51	1	33	66	3	N	8	5	9	4	5	84-966	86
KID 15	BAT1223xG6402	SANGRETORO	6	39	1G	36	74	.	M	5	8	7	4	5	85-1103	
KID 16	G4450xG17668	RED KIDNEY	6	43	1	33	64	.	N	6	8	7	3	5	85-1104	87
KID 17	G4450xG17668	DARK RED KIDNEY	6	42	1	33	64	.	N	6	7	7	4	5	85-1105	87
KID 18	A117xG17668	DUVA	6	42	1	33	82	.	N	6	6	6	4	5	85-1106	87
KID 19	A117xG17668	ESTRADA	5M	32	1	33	67	.	N	6	4	7	4	5	85-1107	
KID 20	A117xG17668	DUVA	6	38	1	34	68	.	N	.	5	7	4	5	85-1108	87
KID 21	BAT1696xG17712	SANGRETORO	7	39	1	33	64	.	N	6	7	7	6	5	85-1109	87
KID 22	G4450xBAT1249	DARK RED KIDNEY	6	29	1	32	61	3	N	9	4	7	7	4	87-530	89
KID 23	BAT1355xBAT1254	LIGHT RED KIDNEY	5	37	1	35	67	3	N	8	6	5	6	3	87-377	89
KID 24	A117xG17668	SANGRETORO	6	41	1	31	65	.	N	.	7	7	6	3	87-531	
KID 25	A117xG17668	RED MEXICAN	6	35	1	35	67	.	N	.	3	7	7	5	87-532	
KID 26	XAN43xBAT1274	ESTRADA	5M	43	2B	35	64	.	N	.	6	4	7	7	89-242	
KID 27	BAT1579xXAN159	ESTRADA	5M	42	1	33	61	.	N	.	6	5	6	6	89-237	
KID 28	BAT1579xXAN159	ESTRADA	5M	44	1	33	61	.	N	.	3	4	5	7	89-238	
KID 29	(XAN43xBAT1274)x(XAN43xBAT1579)	ESTRADA	5M	39	2B	35	64	.	N	.	2	5	6	7	89-243	
KID 30	G18255xBAT1258	LIGHT RED KIDNEY	5	39	1	34	62	.	N	.	7	.	7	4	89-252	
KID 31	G18255xBAT1426	LIGHT RED KIDNEY	5	44	1	32	62	.	M	.	3	4	7	6	89-253	
KID 32	G76xG13922	LIGHT RED KIDNEY	5	52	1	30	64	.	N	.	7	.	7	4	89-256	
KID 33	G13595xBAT1412	ESTRADA	5M	40	2B	35	65	.	N	.	7	.	7	7	89-240	
KID 34	G18255xBAT1426	LIGHT RED KIDNEY	5	44	1	32	63	.	N	.	2	6	7	4	89-251	
KID 35	PAD28xG17331	LIGHT RED KIDNEY	5	43	1	32	66	.	N	.	3	4	7	4	89-254	
KID 36	BAT1579xXAN159	ESTRADA	5M	43	1	33	61	.	N	.	2	5	6	7	89-239	
KID 37	G18255xBAT1258	LIGHT RED KIDNEY	5	45	1	32	61	.	N	.	8	.	8	3	89-255	
KID 38	A117xG17668	RED MEXICAN	6	42	1	32	63	.	N	.	4	7	6	8	89-445	
KID 39	G18255xBAT1367	LIGHT RED KIDNEY	5	43	1	32	62	.	M	.	7	.	7	3	89-257	
KID 40	G18258xBAT1673	LIGHT RED KIDNEY	5	37	2B	34	62	.	M	.	4	5	6	4	89-259	
KID 41	G18255xBAT1258	LIGHT RED KIDNEY	5	41	1	32	62	.	N-M	.	7	.	7	3	89-258	
KID 42	G13595xBAT1412	ESTRADA	5M	35	2A	38	63	.	N	.	5	4	7	7	89-241	
KID 43	G18255xBAT1367	LIGHT RED KIDNEY	5	40	1	32	62	.	N-M	.	6	5	7	7	89-248	
KID 44	G18255xMCD254	LIGHT RED KIDNEY	5	38	1	30	61	.	M	.	7	.	7	4	89-249	
KID 45	G18255xPAD84	LIGHT RED KIDNEY	5	44	1	30	59	.	N	.	7	.	4	4	89-250	
KID 46	G13595xDOR303	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
KID 47	DOR370xG5733	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
KID 48	G18255xDOR303	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
KID 49	G18255xPAD84	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
KID 50	G13595x(G13595x(G13595xSEL972))	MISS KELLY	5M	34	2B	34	66	4	N	.	3	6	6	3	92-362	
KID 51	G13595xSEL1096	MISS KELLY	5M	31	2B	33	66	4	N	.	1	6	6	3	92-363	
KID 52	CAN93x(CAN93xG11826)	MISS KELLY	5M	26	2B	33	65	4	N	.	4	6	7	2	92-364	
KID 53	SEL972xG76	DARK RED KIDNEY	5	37	2A	34	69	1	N	.	3	6	7	3	92-370	
KID 54	SEL972xG76	DARK RED KIDNEY	5	37	2A	30	68	1	N	.	5	7	7	3	92-371	
LAS 50	G5702xV5746	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
LAS 51	G5702xG3366	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
LAS 52	G5702xG3366	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
LAS 53	G11820xG12488	CRANBERRY	2M	44	4B	73	143	.	M	.	2	6	7	5	86-1246	
LAS 54	G5702xG3366	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
LAS 55	G5702xG3366	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
LAS 56	G11820xG12488	CRANBERRY	2M	48	4B	76	143	.	M	.	2	7	6	5	86-1247	
LAS 57	G5702xV5746	CARGAMANTO	2M	42	4A	76	135	.	M	.	2	6	4	5	86-1248	
LAS 58	G11820xG12488	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
LAS 59	G5702xG3366	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
LAS 60	G11820xG12488	CRANBERRY	2M	46	4B	76	143	.	M	.	2	7	6	5	86-1249	
LAS 61	G5702xG2641	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
LAS 62	G11819xG2545	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
LAS 63	G11821xG1056	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to			BCMV	Emp	Ant	CBE	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Pot								Ent	YAN
LAS 64	G5702xG2641																
LAS 65	G11820xG12488	CARGAMANTO	2M	44	4A	70	135	.	M	.	4	7	6	4	86-1250		
LAS 66	G5702xG3366								M	.	.	.	.	.	.	.
LAS 67	G5702xG1056	CARGAMANTO	2M	52	4B	70	135	.	M	.	2	6	6	4	86-1251		
LAS 68	G5702xG3279								M	.	.	.	.	.	.	.
LAS 69	G5702xG2641								M	.	.	.	.	.	.	.
LAS 70	G5702xG1056								M	.	.	.	.	.	.	.
LAS 71	G5702xG1056								M	.	.	.	.	.	.	.
LAS 72	G5702xG2331								M	.	.	.	.	.	.	.
LAS 73	G5702xG1056								M	.	.	.	.	.	.	.
LAS 74	G5702xG5745								M	.	.	.	.	.	.	.
LAS 75	G5702xG12488								M	.	.	.	.	.	.	.
LAS 76	G5702xG1056								M	.	.	.	.	.	.	.
LAS 77	G5702xG3279								M	.	.	.	.	.	.	.
LAS 78	G12488xG6716								M	.	.	.	.	.	.	.
LAS 79	G5702xG1056	CARGAMANTO	2M	44	4B	70	143	.	M	.	5	7	6	3	86-1252		
LAS 80	G5702xG1056								M	.	.	.	.	.	.	.
LAS 81	G5702xG5745								M	.	.	.	.	.	.	.
LAS 82	G5702xG5745								M	.	.	.	.	.	.	.
LAS 83	G11817xG5653								M	.	.	.	.	.	.	.
LAS 84	G12488xG6716								M	.	.	.	.	.	.	.
LAS 85	G5702xG5745								M	.	.	.	.	.	.	.
LAS 86	G5702xG1056								M	.	.	.	.	.	.	.
LAS 87	G5702xG1056								M	.	.	.	.	.	.	.
LAS 88	G5702xG5745								M	.	.	.	.	.	.	.
LAS 89	G5702xG1056	CARGAMANTO	2M	55	4B	70	143	.	M	.	5	6	6	4	86-1253		
LAS 90	G5702xG1056								M	.	.	.	.	.	.	.
LAS 91	G5702xV5746								M	.	.	.	.	.	.	.
LAS 92	G5702xG5745								M	.	.	.	.	.	.	.
LAS 93	G3805xG11818								M	.	.	.	.	.	.	.
LAS 94	G5702xG5745								M	.	.	.	.	.	.	.
LAS 95	G5702xG3366								M	.	.	.	.	.	.	.
LAS 96	G5702xG3366								M	.	.	.	.	.	.	.
LAS 97	MEXICO235xG11818								M	.	.	.	.	.	.	.
LAS 98	G5702xG1056								M	.	.	.	.	.	.	.
LAS 99	G11820xG12488								M	.	.	.	.	.	.	.
LAS 100	G5702xG1056								M	.	.	.	.	.	.	.
LAS 101	G12631xG1056								M	.	.	.	.	.	.	.
LAS 102	G5702xG1056								M	.	.	.	.	.	.	.
LAS 103	G5702xG1056								M	.	.	.	.	.	.	.
LAS 104	G5702xG1056								M	.	.	.	.	.	.	.
LAS 105	G11821xG1056								M	.	.	.	.	.	.	.
LAS 106	G5702xG1056	CARGAMANTO	2M	54	4B	76	143	.	M	.	2	6	7	4	86-1254		
LAS 107	MEXICO235xG11818								M	.	.	.	.	.	.	.
LAS 108	G11821xG1056								M	.	.	.	.	.	.	.
LAS 109	G5702xG1056	CARGAMANTO	2M	53	4B	73	143	.	M	.	2	6	6	4	86-1255		
LAS 110	G5702xG1056	CARGAMANTO	2M	57	4B	73	143	.	M	.	2	7	7	4	86-1256		
LAS 111	G3805xG11818								M	.	.	.	.	.	.	.
LAS 112	S14061xG11818								M	.	.	.	.	.	.	.
LAS 113	G5702xG1056	CARGAMANTO	2M	55	4B	73	135	.	M	.	2	7	6	4	86-1257		
LAS 114	G5702xG5745								M	.	.	.	.	.	.	.
LAS 115	G2016xG13936								M	.	.	.	.	.	.	.
LAS 116	G11820xG12488								M	.	.	.	.	.	.	.
LAS 117	MEXICO235xG11818								M	.	.	.	.	.	.	.
LAS 118	G5702xG5745								M	.	.	.	.	.	.	.
LAS 119	G5702xG5745								M	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
LAS 120	G5702xV5746								M								
LAS 121	G5702xG5745								M								
LAS 122	ITALIA6xG11818								M								
LAS 123	G5702xG1056								M								
LAS 124	G3805xG11818								M								
LAS 125	G5702xG1056								M								
LAS 126	G11820xG12488								M								
LAS 127	G5702xG3366								M								
LAS 128	G11819xG5694								M								
LAS 129	ITALIA6xG11818								M								
LAS 130	G11820xG12488								M								
LAS 131	G3805xG11818								M								
LAS 132	G5702xG1056								M								
LAS 133	G5702xG1056								M								
LAS 134	G11820xG12488								M								
LAS 135	ITALIA6xG11818								M								
LAS 136	ITALIA6xG11818								M								
LAS 137	G3805xG11818								M								
LAS 138	G3805xG11818								M								
LAS 139	G3805xG11818								M								
LAS 140	G3805xG11818								M								
LAS 141	G3805xG11818								M								
LAS 142	G5702xG1056	CARGAMANTO	2M	53	4B	66	135		M		3	7	6	6	86-1258		
LAS 143	G3805xG11818								M								
LAS 144	G3805xG11818								M								
LAS 145	G3805xG11818								M								
LAS 146	G3805xG11818								M								
LAS 147	ITALIA6xG11818								M								
LAS 148	G3805xG11818								M								
LAS 149	G3805xG11818								M								
LAS 150	G12488xG7230								M								
LAS 151	G3805xG11818								M								
LAS 152	ITALIA6xG11818								M								
LAS 153	G3805xG11818								M								
LAS 154	G11819xG2545								M								
LAS 155	G5653xG3872								M								
LAS 156	G3910xV7920								M								
LAS 157	G11817xG5653								M								
LAS 158	G11817xG5653	RADICAL	6	44	4B	76	143		M		2	6	5	5	86-1259		
LAS 159	S14061xG11818								M								
LAS 160	G11820xG12488	RADICAL	6	46	4B	73	143		M		2	7	6	4	86-1260		
LAS 161	G11820xG12488	RADICAL	6	44	4B	70	143		M		3	7	6	4	86-1261		
LAS 162	G11820xG12488	RADICAL	6	45	4A	63	135		M		3	7	6	4	86-1262		
LAS 163	G11817xG5653	RADICAL	6	51	4B	70	143		M		2	6	4	4	86-1263		
LAS 164	G5653xG3872	ZAMORANO	6	26	4A	70	135		M		3	7	6	4	86-1264		
LAS 165	G3910xV7920								M								
LAS 166	G2025xG13936								M								
LAS 167	G2025xG13936								M								
LAS 168	G12727xV79119								M								
LAS 169	G2025xG13936								M								
LAS 170	G2025xG13936								M								
LAS 171	G2025xG13936								M								
LAS 172	G12727xV79119								M								
LAS 173	G2016xG13936								M								
LAS 174	G12727xV79119								M								
LAS 175	G12727xV79119								M								

Line	Cross	Cult. type	Seed			Days to				Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV						Emp	Ent	YAN
LAS 176	G12727xV79119		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 177	G2016xV7918		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 178	G12722xV7917		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 179	G2025xV7918		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 180	G12727xV7917		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 181	G2371xV7918		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 182	G11817xG1253	ZAMORANO	6	40	4A	70	135	.	.	.	1	6	7	6	86-1265	.
LAS 183	G2371xV7918		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 184	G2371xV7918		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 185	G12727xV7917		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 186	G11820xG12488		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 187	G11817xG2545		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 188	G11820xG12488	RADICAL	6	46	4B	76	143	.	.	.	2	6	7	5	86-1266	.
LAS 189	G11820xG12488		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 190	G11820xG12488		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 191	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 192	G11817xG2545		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 193	G11817xG5653		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 194	G3805xTAMESIS1		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 195	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 196	G5702xG3912		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 197	G11820xG4727		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 198	G3805xTAMESIS1		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 199	G12488xG6716		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 200	G11817xG5653		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 201	G11817xG5653	RADICAL	6	61	4B	80	143	.	.	.	1	6	6	4	86-1267	.
LAS 202	G11820x(G8160xG12488)		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 203	G12670xV7917		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 204	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 205	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 206	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 207	G11820xG12488		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 208	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 209	G11820xG12488	RADICAL	6	58	4B	73	143	.	.	.	4	6	6	5	86-1268	.
LAS 210	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 211	G11820xG12488		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 212	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 213	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 214	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 215	G11820xG12488		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 216	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 217	G11820xG12488		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 218	G11820xG12488		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 219	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 220	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 221	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 222	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 223	G11820xG12488		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 224	G11820xG12488		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 225	G12670xV7917		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 226	G12670xV7917		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 227	G11817xG5653		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 228	G12488xG6716		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 229	G11821xG2016		.	.	.	.	.	.	.	.	.	.	.	.	.	.
LAS 230	G11820xG12488	RADICAL	6	50	4A	73	143	.	.	.	2	6	6	4	86-1269	.
LAS 231	G11821xG1056		.	.	.	.	.	.	.	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to					VEF	IB				
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
LAS 232	G11820xG12488	RADICAL	6	50	4A	66	135	.	M	.	4	6	6	5	86-1270	
LAS 233	G12488xG7230		.	.	.	.	.	.	M	.	.	.	.	.
LAS 234	G12670xG12488		.	.	.	.	.	.	M	.	.	.	.	.
LAS 235	G12488xG6716		.	.	.	.	.	.	M	.	.	.	.	.
LAS 236	G12488xG6716		.	.	.	.	.	.	M	.	.	.	.	.
LAS 237	G11820xG12488		.	.	.	.	.	.	M	.	.	.	.	.
LAS 238	G11820xG12488		.	.	.	.	.	.	M	.	.	.	.	.
LAS 239	G12670xG4727		.	.	.	.	.	.	M	.	.	.	.	.
LAS 240	G12670xG4727		.	.	.	.	.	.	M	.	.	.	.	.
LAS 245	G12722xG4727	CARGAMANTO	2M	57	4B	41	116	8	M	8	1	7	3	3	88-966	
LAS 246	G12670xG12488	CRANBERRY	2M	52	4B	40	106	8	M	9	2	6	7	2	88-1009	
LAS 247	G12670xG12488	CRANBERRY	2M	33	4B	45	116	.	M	9	2	7	7	2	88-1010	
LAS 248	G12722xG4727	CARGAMANTO	2M	50	4B	45	116	8	M	8	1	7	6	3	88-967	
LAS 249	G12722xG4727	CARGAMANTO	2M	51	4B	45	116	6	M	8	6	7	6	3	88-968	
LAS 250	G12722xG4727	CARGAMANTO	2	48	4B	45	116	8	M	8	2	7	5	2	88-969	
LAS 251	G12670xG12488	CRANBERRY	2M	38	4B	45	108	.	M-N	9	2	6	7	2	88-1011	
LAS 252	G12722xG4727	CARGAMANTO	2M	55	4B	45	116	8	M	8	1	6	5	2	88-970	
LAS 253	G12670xG12488	CARGAMANTO	2M	46	4B	45	116	7	M	8	2	7	7	3	88-971	
LAS 254	G12722xG4727	CARGAMANTO	2M	52	4B	45	116	8	M	8	2	7	6	2	88-972	
LAS 255	G12207xG12724	CARGAMANTO	2M	51	4B	45	116	8	M	9	1	6	6	3	88-973	
LAS 256	G11819xG12488	CRANBERRY	2M	43	4B	45	106	8	M	9	2	6	7	3	88-1012	
LAS 257	G12722xG4727	CARGAMANTO	2M	57	4B	45	116	8	M	8	1	6	6	3	88-974	
LAS 258	G11821xG12488	CARGAMANTO	2M	46	4B	45	116	8	M	8	2	5	6	3	88-975	
LAS 259	G12722xG4727	LLANOGRADE	2R	49	4B	40	116	8	M	9	2	7	7	2	88-1029	
LAS 260	G12709xG12488		7	41	4B	45	116	.	M	9	3	7	6	3	88-1244	
LAS 261	G12709xG12488		7	.	4	42	116	.	M	9	1	6	7	3	88-1245	
LAS 262	G12709xG12488		7M	49	4B	35	116	.	M	9	1	6	7	3	88-1236	
LAS 263	G12709xG12488	MWEZI MOJA	7M	42	4B	45	116	.	M	9	2	5	7	3	88-1237	
LAS 264	G12709xG12488	GUALI	7	51	4B	35	116	.	M	9	1	7	7	2	88-1235	
LAS 265	G12709xG12488	MWEZI MOJA	7M	50	4B	38	116	.	M	9	1	7	7	2	88-1238	
LAS 266	G12670xG12488		7	54	4B	38	116	.	M	9	2	7	7	3	88-1225	
LAS 267	G12670xG12488		7	56	4B	42	116	.	M	9	2	7	6	3	88-1226	
LAS 268	G12670xG12488		7	40	4B	45	116	.	M	9	3	7	7	2	88-1227	
LAS 269	G12670xG12488		7	41	4B	45	116	.	M	9	2	7	7	2	88-1228	
LAS 270	G12670xG12488		7	51	4B	35	91	.	M	9	2	7	7	3	88-1229	
LAS 271	G12670xG12488		7	48	4B	39	116	.	M	9	3	7	7	3	88-1230	
LAS 272	G12670xG4727		7	49	4B	35	93	.	M	9	6	6	7	2	88-1231	
LAS 273	E1253xG3991	SANGRETORO	6	33	4B	35	100	.	M	9	1	7	8	4	88-1128	
LAS 274	E1253xG3991	SANGRETORO	6	32	4B	35	100	.	M	9	2	6	8	3	88-1129	
LAS 275	G12670xG4727	SANGRETORO	6	43	4B	45	116	.	M	9	2	7	7	3	88-1130	
LAS 276	G11821xG12488	SANGRETORO	6	34	4B	45	116	8	M	9	1	5	7	3	88-1131	
LAS 277	G11821xG12488	SANGRETORO	6	.	4B	45	.	.	M	9	1	7	6	2	88-1132	
LAS 278	G11821xG12488	SANGRETORO	6	.	4B	45	.	.	M	9	1	7	7	3	88-1133	
LAS 279	G11821xG12488	SANGRETORO	6	.	4B	45	.	.	M	9	1	7	6	2	88-1134	
LAS 280	G11821xG12488	SANGRETORO	6	43	4B	41	116	.	M	9	1	7	6	6	88-1135	
LAS 281	G12670xG12488	SANGRETORO	6	46	4B	41	116	8	N-M	9	1	7	7	3	88-1136	
LAS 282	G12670xG4727		7	45	3A	39	116	.	M	9	2	5	5	2	88-1232	
LAS 283	S1428xG12666	SANGRETORO	6	45	4B	41	116	.	M	9	1	6	7	2	88-1137	
LAS 284	G12670xG12488	SANGRETORO	6	.	4B	45	116	.	M	9	2	6	6	2	88-1138	
LAS 285	G11821xG12488	SANGRETORO	6	43	4B	45	116	8	M	9	2	5	7	3	88-1139	
LAS 286	G11821xG12488	SANGRETORO	6	28	4B	45	116	.	M	9	1	6	8	3	88-1140	
LAS 287	G11821xG12488	SANGRETORO	6	28	4B	45	116	.	M	9	6	7	7	4	88-1141	
LAS 288	G11821xG12488	SANGRETORO	6	46	4B	45	116	.	M	9	1	7	6	3	88-1142	
LAS 289	G12722xG7908	SANGRETORO	6	44	4B	45	116	.	M	9	1	7	6	2	88-1143	
LAS 290	G12670xG12488	SANGRETORO	6	56	4B	35	99	8	M	9	2	7	7	3	88-1144	
LAS 291	G12670xG12488	SANGRETORO	6	39	4B	45	105	.	M	9	2	7	7	3	88-1145	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to			Emp	Ant	BB	ALS	Rust	VEF Yr	IB YAN
						Fl	Mt	Pot							
LAS 292	G11821xG12488	SANGRETORO	6	32	4B	45	116	.	M	9	1	7	7	2	88-1146
LAS 293	G12670xG12488	SANGRETORO	6	45	4B	45	116	.	M	9	2	7	7	3	88-1147
LAS 294	G12670xG12488	SANGRETORO	6	55	4B	35	99	8	M	9	2	7	7	2	88-1148
LAS 295	G12670xG12488	RADICAL	6	58	4B	41	100	8	M	8	2	6	7	2	88-1089
LAS 296	G11821xG12488	RADICAL	6	46	4B	38	116	.	M	8	2	6	8	4	88-1090
LAS 297	G11821xG12488	RADICAL	6	50	4B	45	116	8	M	8	3	5	7	2	88-1091
LAS 298	G12670xG12488	RADICAL	6	53	4B	45	116	8	M	8	1	7	7	2	88-1092
LAS 299	G12670xG12488	SANGRETORO	6	39	4B	45	116	.	M	9	1	7	7	3	88-1149
LAS 300	G12670xG4727	SANGRETORO	6	58	4B	45	116	8	M	9	1	7	7	2	88-1150
LAS 301	G11821xG12488	SANGRETORO	6	35	4B	45	116	.	M	9	1	6	7	4	88-1151
LAS 302	G11821xG12417	CARGAMANTO	2M	44	4B	45	116	.	M	8	2	5	7	3	88-976
LAS 303	G11821xG12417	CARGAMANTO	2M	38	4B	45	116	.	M	8	1	6	7	3	88-977
LAS 304	G11821xG12417	CRANBERRY	2M	45	4B	35	116	8	M	9	2	7	7	2	88-1013
LAS 305	G11821xG12417	CARGAMANTO	2M	47	4B	45	116	8	M	8	1	6	7	3	88-978
LAS 306	G11821xG12417	CARGAMANTO	2M	40	4B	38	116	.	M	8	1	6	7	2	88-979
LAS 307	G11821xG12417	CARGAMANTO	2M	45	4B	45	116	.	M	8	1	6	7	3	88-980
LAS 308	G11821xG12417	CARGAMANTO	2M	41	4B	38	116	.	M	8	2	5	7	3	88-981
LAS 309	G11821xG12417	CARGAMANTO	2M	41	4B	41	116	.	M	8	2	6	7	3	88-982
LAS 310	G11821xG12417	CARGAMANTO	2M	39	4B	45	116	.	M	8	2	5	5	3	88-983
LAS 311	G11821xG12417	CARGAMANTO	2M	37	4B	45	116	.	M	8	1	5	6	3	88-984
LAS 312	G11821xG10907		6	25	4B	52	116	.	M	9	1	7	7	6	88-1077
LAS 313	G12670xG12666	RADICAL	6	51	4A	41	116	8	M	8	1	7	7	4	88-1093
LAS 314	G12670xG12666	RADICAL	6	53	4A	41	116	8	M	8	2	7	6	2	88-1094
LAS 315	G12670xG12666	RADICAL	6	57	4B	36	116	8	M	8	2	6	6	4	88-1095
LAS 316	G12670xG12666	RADICAL	6	53	4A	36	116	8	M	8	1	6	6	2	88-1096
LAS 317	G12670xG12666	RADICAL	6	50	4A	39	116	8	M	8	2	6	6	2	88-1097
LAS 318	G12670xG12666	RADICAL	6	42	4A	38	116	.	M	8	1	6	6	2	88-1098
LAS 319	G12670xG12666	RADICAL	6	49	4B	45	116	8	M	8	1	7	6	3	88-1099
LAS 320	G12670xG12666	RADICAL	6	46	4B	45	116	.	M	8	2	6	6	2	88-1100
LAS 321	G12670xG12666	RADICAL	6	49	4A	41	116	8	M	8	1	6	6	3	88-1101
LAS 322	A322xG12709A	RADICAL	6	52	4B	45	116	8	M	9	1	6	7	4	88-1102
LAS 323	A322xG12709A	RADICAL	6	51	4B	45	116	8	M	9	1	5	7	4	88-1103
LAS 324	G11818xG12488	RADICAL	6	44	4B	45	131	.	M	9	2	6	6	2	88-1104
LAS 325	G14013xG12569	CANARIO	3	32	4B	45	116	.	M	9	1	5	6	2	88-1046
LAS 326	G11819xG12730	CANARIO	3	48	4B	41	116	8	M	9	4	7	7	4	88-1047
LAS 327	G11819xG12730	CANARIO	3	39	4B	45	116	8	M	9	6	7	6	3	88-1048
LAS 328	G11819xG12730	CANARIO	3	41	4B	35	100	8	M	9	7	7	8	2	88-1049
LAS 329	G11819xG12730	CANARIO	3	36	4B	45	116	8	M	9	2	7	8	2	88-1050
LAS 330	G12488xG12709A	NIMA	6M	48	4B	45	.	.	M	9	4	7	6	2	88-1065
LAS 331	A322xG12709A	CARGAMANTO	2M	52	4B	45	116	8	M	9	1	5	5	4	88-985
LAS 332	A322xG12709A	CARGAMANTO	2M	49	4B	45	116	8	M	9	1	5	5	4	88-986
LAS 333	SHAYAxG12666	CRANBERRY	2M	48	4A	41	97	8	M	9	1	7	7	3	88-1014
LAS 334	G12488xG12709A	CARGAMANTO	2M	52	4B	35	116	8	M	9	6	6	6	5	88-987
LAS 335	G12488xG12709	MWEZI MOJA	7M	52	4B	45	121	.	M	9	3	7	7	3	88-1239
LAS 336	G12488xG12667		2	42	4B	45	116	.	M	8	2	5	7	4	88-1042
LAS 337	G12488xG12667		2	40	4B	41	116	.	M	8	2	5	7	3	88-1043
LAS 338	G12488xG12667		2	41	4B	45	.	.	M-N	8	2	5	6	4	88-1044
LAS 339	A322xG12667	CABALLERO	1	40	4B	40	116	8	M	9	2	6	8	4	88-940
LAS 340	A322xG12667	CABALLERO	1	42	4B	38	116	8	M	9	1	6	8	3	88-941
LAS 341	VCA81013xG12667	CABALLERO	1	.	4B	45	.	.	M	9	1	6	7	3	88-942
LAS 342	VCA81013xG12667	CABALLERO	1	.	4B	45	.	.	M	9	1	5	8	3	88-943
LAS 343	G12488xG12667	GREAT NORTHERN	1	33	4B	45	.	.	M	9	2	7	5	3	88-946
LAS 344	G12488xG12667	GREAT NORTHERN	1	35	4B	40	116	8	M	9	2	6	6	3	88-947
LAS 345	G12669xG10889	NAVY	1	.	4B	45	.	.	M	9	1	6	6	3	88-950
LAS 346	G12669xG10889	NAVY	1	29	4B	45	.	.	M	9	1	7	6	3	88-951
LAS 347	G12669xG10889	NAVY	1	28	4B	45	.	.	M	9	1	7	7	3	88-952

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to				VEF	IB						
						Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
LAS 348	VCA81013xG12667	SMALL WHITE	1	21	4B	45	.	.	N	9	1	7	7	3	88-958		
LAS 349	G12669xG10889	NAVY	1	23	4B	45	.	.	M	9	1	7	7	3	88-953		
LAS 350	VCA81013xG12667	SMALL WHITE	1	29	4B	45	.	.	M	9	1	6	7	4	88-959		
LAS 351	G12669xG10889	NAVY	1	27	4B	45	.	.	M	9	2	7	7	4	88-954		
LAS 352	VCA81013xG12667	GREAT NORTHERN	1	44	4B	45	.	8	N	9	1	5	6	4	88-948		
LAS 353	G12488xG12667	CABALLERO	1	23	4B	45	.	.	M	9	3	7	7	3	88-944		
LAS 354	G12669xG10889	SMALL WHITE	1	24	4A	45	.	.	M	9	1	6	7	3	88-960		
LAS 355	G12669xG10889	SMALL WHITE	1	28	4B	45	.	.	M	9	2	6	7	3	88-961		
LAS 356	VCA81013xG12667	CABALLERO	1	33	4B	38	.	.	M	9	2	5	7	4	88-945		
LAS 357	VCA81013xG12667	NAVY	1	28	4B	45	.	.	M	9	1	7	6	3	88-955		
LAS 358	G12669xG10889	NAVY	1	28	4B	45	.	.	M-N	9	2	7	6	3	88-956		
LAS 359	G12669xG10889	NAVY	1	29	4B	38	.	.	M	9	1	7	6	3	88-957		
LAS 360	G12488xG12667	GREAT NORTHERN	1	.	4B	45	.	.	M	9	1	6	6	3	88-949		
LAS 361	G12669xG10889	SMALL WHITE	1	33	4B	45	.	.	M	9	1	7	6	4	88-962		
LAS 362	G11821xG12631	RADICAL	6	48		102	.	.	M	.	1	.	5	3	89-896		
LAS 363	G11806xG12488	LLANOGRADE	2R	42		115	.	.	M	.	1	7	4	7	89-838		
LAS 364	G11806xG12488	LLANOGRADE	2R	39		115	.	.	M	.	1	5	6	4	89-839		
LAS 365	G11806xG12488	LLANOGRADE	2R	39		115	.	.	M	.	1	4	6	7	89-840		
LAS 366	G11806xG12488	LLANOGRADE	2R	41		109	.	.	M	.	1	6	5	7	89-841		
LAS 367	G11778xG12488	LLANOGRADE	2R	52		107	.	.	M	.	2	4	6	4	89-842		
LAS 368	G11821xG12417	BOLA ROJA	6	41		103	.	.	M	.	1	.	7	3	89-879		
LAS 369	G11821xG12417	BOLA ROJA	6	47		107	.	.	M	.	1	.	6	3	89-880		
LAS 370	G11821xG12417	BOLA ROJA	6	43		115	.	.	M	.	1	.	7	3	89-874		
LAS 371	G11821xG12417	BOLA ROJA	6	41		111	.	.	M	.	1	.	6	3	89-873		
LAS 372	G11821xG12417	BOLA ROJA	6	41		107	.	.	M	.	1	.	7	3	89-872		
LAS 373	G11821xG12417	BOLA ROJA	6	38		109	.	.	M	.	1	.	6	3	89-871		
LAS 374	G11821xG12417	BOLA ROJA	6	36		103	.	.	M	.	1	.	7	4	89-870		
LAS 375	G11821xG12417	BOLA ROJA	6	37		103	.	.	M	.	1	.	6	4	89-869		
LAS 376	G11821xG12417	BOLA ROJA	6	40		107	.	.	M	.	2	.	6	3	89-867		
LAS 377	G11821xG12417	BOLA ROJA	6	39		103	.	.	M	.	1	.	7	3	89-868		
LAS 378	G11821xG12417	BOLA ROJA	6	36		117	.	.	M	.	1	.	7	3	89-877		
LAS 379	G11821xG12417	BOLA ROJA	6	36		109	.	.	M	.	1	.	7	4	89-876		
LAS 380	G11821xG12417	BOLA ROJA	6	37		107	.	.	M	.	1	.	7	3	89-878		
LAS 381	G11821xG12417	BOLA ROJA	6	35		109	.	.	M	.	1	.	7	3	89-875		
LAS 382	G11821xG12417	CARGAMANTO	2M	60		83	.	.	M	.	1	6	7	3	89-826		
LAS 383	G11821xG12417	CARGAMANTO	2M	65		86	.	.	M	.	5	7	6	7	89-827		
LAS 384	G11821xG12417	CARGAMANTO	2M	54		86	.	.	M	.	6	6	6	6	89-828		
LAS 385	G11821xG12417	RADICAL	6	42		117	.	.	M	.	1	.	6	2	89-895		
LAS 386	G11821xG12417	RADICAL	6	40		117	.	.	M	.	1	.	7	3	89-891		
LAS 387	G11821xG12417	BOLA ROJA	6	39		107	.	.	M	.	1	.	7	3	89-885		
LAS 388	G11821xG12417	RADICAL	6	41		115	.	.	M	.	1	.	7	3	89-892		
LAS 389	G12670xG12666	SANGRETORO	6	52		86	.	.	M	.	1	.	6	3	89-906		
LAS 390	DESCONOCIDO	RADICAL	6	53		103	.	.	M	.	1	.	6	3	89-893		
LAS 391	G11819xG12488	LIBORINO	3R	49		94	.	.	M	.	1	6	7	6	89-862		
LAS 392	DESCONOCIDO	RADICAL	6	53		103	.	.	M	.	1	.	6	2	89-894		
LAS 393	G11819xG12488	LIBORINO	3R	52		90	.	.	M	.	5	7	6	6	89-863		
LAS 394	G12670xG12488	CARGAMANTO	2M	66		81	.	.	M	.	6	6	6	6	89-829		
LAS 395	DESCONOCIDO	BOLA ROJA	6	45		97	.	.	M	.	1	.	7	3	89-886		
LAS 396	G11806xG12666	LIBORINO	3M	50	4A	72	153	8	M	.	1	7	7	7	90-714		
LAS 397	G11806xG12666	LIBORINO	3M	58	4A	67	140	8	M	.	1	7	6	6	90-715		
LAS 398	G12670xG12666	RADICAL	6	59	4B	67	147	8	M	.	1	6	7	4	90-721		
LAS 399	G12670xG12666	RADICAL	6	60	4B	67	140	7	M	.	1	6	7	4	90-722		
LAS 400	G12670xG12666	RADICAL	6	60	4A	67	140	.	M	.	1	7	7	5	90-723		
LAS 401	G12670xG12666	CARGAMANTO	2M	62	3B	62	137	8	M	.	1	6	7	7	90-709		
LAS 402	G12670xG12488	RADICAL	6	60	4B	72	137	8	M	.	1	7	7	5	90-724		
LAS 403	G12670xG12488	RADICAL	6	57	4B	72	196	.	M	.	1	7	7	7	90-725		

Line	Cross	Cult. type	Seed			Days to							VEP	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
LAS 404	G12670xG12488	RADICAL	6	55	4A	72	140	.	M	.	1	7	6	7	90-726	
LAS 405	G12670xG12488	RADICAL	6	58	4B	72	196	.	M	.	1	6	7	6	90-727	
LAS 406	G12670xG12488	RADICAL	6	46	4A	72	140	.	M	.	1	6	7	7	90-728	
LAS 407	G12670xG12488	CARGAMANTO	2M	54	4A	62	147	8	M	.	1	7	7	7	90-710	
LAS 408	G11820xG12275	RADICAL	6	41	4B	72	137	.	M	.	1	7	7	4	90-729	
LAS 409	G11820xG12275	RADICAL	6	42	4B	72	137	.	M	.	1	7	6	4	90-730	
LAS 410	G11820xG12275	RADICAL	6	43	4B	72	140	.	M	.	1	7	7	4	90-731	
LAS 411	G11820xG12275	RADICAL	6	43	4B	72	140	.	M	.	1	7	6	3	90-732	
LAS 412	G11820xG12275	RADICAL	6	42	4B	72	137	.	M	.	1	7	7	4	90-733	
LAS 413	G11820xG12275	RADICAL	6	45	4B	72	137	8	M	.	1	7	7	4	90-734	
LAS 414	G11820xG12275	RADICAL	6	43	4B	72	137	.	M	.	1	7	7	4	90-735	
LAS 415	G11820xG12275	RADICAL	6	44	4B	72	137	.	M	.	1	7	7	4	90-736	
LAS 416	G11820xG12275	RADICAL	6	42	4B	72	132	.	M	.	1	6	7	4	90-737	
LAS 417	G11820xG12275	RADICAL	6	43	4B	72	132	.	M	.	1	7	7	4	90-738	
LAS 418	G12670xG12488	SANGRETORO	6	41	4B	72	137	.	M	.	1	7	7	5	90-764	
LAS 419	G12670xG12488	SANGRETORO	6	41	4B	72	140	.	M	.	1	7	7	6	90-765	
LAS 420	G12670xG12488	SANGRETORO	6	41	4B	72	132	.	M	.	1	7	7	6	90-766	
LAS 421	G12670xG12488	SANGRETORO	6	39	4B	72	137	.	M	.	1	7	7	5	90-767	
LAS 422	G12670xG12488	SANGRETORO	6	41	4B	72	132	.	M	.	1	7	7	6	90-768	
LAS 423	G12670xG12488	SANGRETORO	6	40	4B	72	132	.	M	.	1	7	7	5	90-769	
LAS 424	G12670xG12488	SANGRETORO	6	41	4B	72	132	.	M	.	1	7	6	4	90-770	
LAS 425	G12670xG12488	SANGRETORO	6	42	4B	72	137	.	M	.	1	7	7	5	90-771	
LAS 426	G12670xG12488	SANGRETORO	6	38	4B	72	140	.	M	.	2	6	7	6	90-772	
LAS 427	G12670xG12488	SANGRETORO	6	45	4A	72	140	.	M	.	1	6	7	6	90-773	
LAS 428	G12670xG12488	SANGRETORO	6	43	4B	72	137	.	M	.	1	7	6	7	90-774	
LAS 429	G12670xG12488	RADICAL	6	41	4B	72	137	.	M	.	1	7	7	7	90-739	
LAS 430	G12670xG12488	RADICAL	6	52	4B	72	137	.	M	.	1	7	7	7	90-740	
LAS 431	G12670xG4727	RADICAL	6	54	4A	57	122	8	M	.	1	6	7	7	90-741	
LAS 432	G15836xA55	RADICAL	6	42	4B	72	137	.	M	.	1	7	7	7	90-742	
LAS 433	G14016xG5772	MISS KELLY	5M	52	4A	72	117	8	M	.	1	6	6	7	90-717	
LAS 434	A322xG12709A	CARGAMANTO	2M	55	4B	67	137	8	M	.	1	7	6	7	90-711	
LAS 435	A322xG12709A	CRANBERRY	2M	55	4B	67	140	8	N-M	.	1	7	5	7	90-712	
LAS 436	G11818xG12488	RADICAL	6	50	4B	72	140	.	M	.	1	6	6	7	90-743	
LAS 437	G11818xG12488	RADICAL	6	53	4B	72	142	8	M	.	1	6	7	7	90-744	
LAS 438	G11818xG12488	RADICAL	6	44	4B	72	147	.	M	.	1	6	7	5	90-745	
LAS 439	G11818xG12488	RADICAL	6	58	4B	72	147	.	M	.	1	6	7	5	90-746	
LAS 440	G11818xG12488	RADICAL	6	47	4B	72	137	.	M	.	1	6	7	6	90-747	
LAS 441	G11818xG12488	RADICAL	6	55	4B	72	137	.	M	.	1	6	7	5	90-748	
LAS 442	G11818xG12488	RADICAL	6	56	4B	72	140	.	M	.	1	6	7	6	90-749	
LAS 443	G11818xG12488	SANGRETORO	6	48	4B	72	137	8	M	.	1	7	7	6	90-775	
LAS 444	G11818xG12488	RADICAL	6	47	4B	72	140	8	M	.	1	6	7	6	90-750	
LAS 445	G11818xG12488	RADICAL	6	53	4B	72	132	8	M	.	1	6	7	6	90-751	
LAS 446	G11818xG12488	RADICAL	6	45	4B	72	132	.	M	.	2	6	7	6	90-752	
LAS 447	G11818xG12488	RADICAL	6	51	4B	72	140	.	M	.	1	6	7	6	90-753	
LAS 448	G11818xG12488	RADICAL	6	52	4B	72	137	8	M	.	1	6	7	6	90-754	
LAS 449	G11818xG12488	RADICAL	6	56	4B	72	132	8	M	.	1	6	7	5	90-755	
LAS 450	G11818xG12488	RADICAL	6	52	4B	72	132	.	M	.	1	6	7	6	90-756	
LAS 451	G11818xG12488	RADICAL	6	50	4B	72	132	8	M	.	2	5	7	6	90-757	
LAS 452	G11818xG12488	RADICAL	6	52	4B	72	132	.	M	.	1	6	7	7	90-758	
LAS 453	G11818xG12488	RADICAL	6	48	4B	72	137	.	M	.	1	6	7	6	90-759	
LAS 454	G11818xG12488	ARGENTINO	7	53	4B	72	147	8	M	.	1	6	7	3	90-777	
LAS 455	G11818xG12488	RADICAL	6	50	4B	72	132	8	M	.	1	6	7	6	90-760	
LAS 456	G11818xG12488	RADICAL	6	53	4B	72	137	.	M	.	1	6	7	6	90-761	
LAS 457	G11818xG12488	RADICAL	6	33	4B	72	140	.	M	.	1	6	7	6	90-762	
LAS 458	G12488xG12709	CITARA	6M	55	4A	67	147	8	M	.	1	6	7	7	90-718	
LAS 459	G12488xG12709	CITARA	6M	55	4A	72	140	.	M	.	1	7	7	5	90-719	

Line	Cross	Cult. type	Seed			Days to								VRF Yr	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust
LAS 460	G11819xG15828	LIBORINO	3M	42	4B	72	137	8	M	.	1	7	7	6	90-716	
LAS 461	G12209xG12488		7	53	4B	72	137	.	M	.	1	7	7	6	90-776	
LAS 462	G2331xG10889	SMALL WHITE	1	29	4B	62	137	8	M	.	1	7	7	7	90-707	
LAS 463	G2331xG10889	SMALL WHITE	1	32	4B	67	137	8	M	.	1	7	7	7	90-708	
LAS 464	G11796xZAV83101	CANARIO	3	59	4A	72	147	8	M	.	1	6	6	7	90-713	
LAS 465	SANGRETOROxG13614	RADICAL	6	44	4B	72	142	.	M	.	1	7	4	6	90-763	
LAS 466	G12709xZAV83076	CITARA	6M	47	4A	72	147	8	M	.	1	7	6	2	90-720	
LAS 467	ICAL S-1xV5778	CRANBERRY	2M	.	.	.	.	.	M	.	1	5	7	3	92-946	
LAS 468	ICAL S-26xV5778	CRANBERRY	2M	.	.	.	.	.	M	.	1	6	7	3	92-947	
LAS 469	ICAL S-26xV5778	CRANBERRY	2M	.	.	.	.	.	M	.	1	6	6	3	92-948	
LAS 470	G15532xG12229	SANGRETORO	6	.	.	.	.	.	M	.	1	7	4	3	92-993	
LAS 471	G12666xG12229	CARGAMANTO	2M	.	.	.	.	.	M	.	2	7	7	2	92-928	
LAS 472	G12666xG12229	CARGAMANTO	2M	.	.	.	.	.	M	.	1	7	7	3	92-929	
LAS 473	G12666xG15833	TUNDAMA	6M	.	.	.	.	.	M	.	1	5	3	2	92-983	
LAS 474	G12666xG15833	TUNDAMA	6M	.	.	.	.	.	M	.	1	6	4	3	92-984	
LAS 475	G12488xG15833	TUNDAMA	6M	.	.	.	.	.	M	.	1	6	7	3	92-985	
LAS 476	G12488xG15833	GUALI	7M	.	.	.	.	.	M	.	1	7	3	3	92-1017	
LAS 477	G12307xG11820	MWEZI MOJA	7M	.	.	.	.	.	M	.	1	6	7	3	92-1020	
LAS 478	G12307xG11820	SANGRETORO	6	.	.	.	.	.	M	.	1	7	7	3	92-994	
LAS 479	G12307xG11820	SANGRETORO	6	.	.	.	.	.	M	.	1	6	7	3	92-995	
LAS 480	G12307xG11820	SANGRETORO	6	.	.	.	.	.	M	.	1	7	6	3	92-996	
LAS 481	G12307xG11820	MWEZI MOJA	7M	.	.	.	.	.	M	.	1	7	7	2	92-1021	
LAS 482	G12307xG11820	MWEZI MOJA	7M	.	.	.	.	.	M	.	1	8	4	3	92-1022	
LAS 483	G12307xG11820	MWEZI MOJA	7M	.	.	.	.	.	M	.	1	8	4	3	92-1023	
LAS 484	G12307xG11820	SANGRETORO	6	.	.	.	.	.	M	.	1	7	4	2	92-997	
LAS 485	G12307xG11820	SANGRETORO	6	.	.	.	.	.	M	.	1	7	7	2	92-998	
LAS 486	G12307xG11820	SANGRETORO	6	.	.	.	.	.	M	.	1	7	7	2	92-999	
LAS 487	G12307xG11820	SANGRETORO	6	.	.	.	.	.	M	.	1	7	7	3	92-1000	
LAS 488	G12666xG4727	GREAT NORTHERN	1	.	.	.	.	.	M	.	1	6	.	3	92-916	
LAS 489	G12666xG4727	GREAT NORTHERN	1	.	.	.	.	.	M	.	1	5	7	3	92-917	
LAS 490	G12307xG4727	GUALI	7M	.	.	.	.	.	M	.	1	6	4	3	92-1018	
LAS 491	G12307xG4727	GUALI	7M	.	.	.	.	.	M	.	1	6	3	2	92-1019	
LAS 492	G12229xZAV83073	CARGAMANTO	2M	.	.	.	.	.	M	.	1	7	7	2	92-930	
LAS 493	G12596xZAV83073	LIBORINO	3M	.	.	.	.	.	M	.	1	6	7	2	92-969	
LAS 494	G12596xZAV83073	LIBORINO	3M	.	.	.	.	.	M	.	1	6	7	3	92-970	
LAS 495	ZAV83024xG15833	MWEZI MOJA	7M	.	.	.	.	.	M	.	1	6	5	3	92-987	
LAS 496	ZAV83024xG15833	MWEZI MOJA	7M	.	.	.	.	.	M	.	3	7	4	3	92-988	
LAS 497	ZAV83024xG15833	TUNDAMA	6	.	.	.	.	.	M	.	1	7	4	3	92-986	
LAS 498	ZAV83070xYUNYA	CANARIO	3	.	.	.	.	.	M	.	1	6	7	3	92-966	
LAS 499	ZAV83070xG11764A	SANGRETORO	6	.	.	.	.	.	M	.	1	6	7	3	92-1001	
LAS 500	ZAV83070xG11764A	SANGRETORO	6	.	.	.	.	.	M	.	1	6	7	3	92-1002	
LAS 501	ZAV83070xG11764A	SANGRETORO	6	.	.	.	.	.	M	.	1	6	4	2	92-1003	
LAS 502	CABALLEROxG11820	SANGRETORO	6	.	.	.	.	.	M	.	1	6	4	2	92-1004	
LAS 503	CABALLEROxG11820	CABALLERO	1	.	.	.	.	.	M	.	1	3	3	2	92-897	
LAS 504	CABALLEROxG11820	CABALLERO	1	.	.	.	.	.	M	.	1	5	6	3	92-898	
LAS 505	CABALLEROxG11820	CABALLERO	1	.	.	.	.	.	M	.	.	5	4	.	92-899	
LAS 506	CABALLEROxG11820	SANGRETORO	6	.	.	.	.	.	M	.	1	6	7	2	92-1005	
LAS 507	CABALLEROxG11820	CABALLERO	1	.	.	.	.	.	M	.	1	6	5	3	92-900	
LAS 508	CABALLEROxG11820	CABALLERO	1	.	.	.	.	.	M	.	1	5	7	3	92-901	
LAS 509	CABALLEROxG11820	SANGRETORO	6	.	.	.	.	.	M	.	1	5	7	3	92-1006	
LAS 510	CABALLEROxG11820	CABALLERO	1	.	.	.	.	.	M	.	1	5	7	3	92-902	
LAS 511	CABALLEROxG11820	CABALLERO	1	.	.	.	.	.	M	.	.	5	6	3	92-903	
LAS 512	CABALLEROxG11820	SANGRETORO	6	.	.	.	.	.	M	.	1	6	7	2	92-1007	
LAS 513	CABALLEROxG11820	SANGRETORO	6	.	.	.	.	.	M	.	1	5	6	3	92-1008	
LAS 514	DESCONOCIDOxG11738	CARGAMANTO	6	.	.	.	.	.	M	.	1	5	5	3	92-981	
LAS 515	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	.	M	.	1	6	5	2	92-931	

Line	Cross	Cult. type	Seed			Days to							VEF		IB		
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
LAS	516	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	6	3	2	92-932		
LAS	517	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	6	5	3	92-933		
LAS	518	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	7	5	3	92-934		
LAS	519	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	7	5	3	92-935		
LAS	520	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	6	3	3	92-936		
LAS	521	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	6	4	3	92-937		
LAS	522	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	6	4	2	92-938		
LAS	523	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	6	2	2	92-939		
LAS	524	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	6	2	2	92-940		
LAS	525	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	6	3	2	92-941		
LAS	526	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	6	3	3	92-942		
LAS	527	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	6	3	3	92-943		
LAS	528	ICA-LS-1xZAV83102	CARGAMANTO	2M	.	.	.	.	M	.	1	6	7	3	92-944		
LAS	529	G12666xG12229	BAYO MEXICANO	2	.	.	.	.	M	.	1	6	7	3	92-927		
LAS	530	G12670xG12488	SANGRETORO	6	.	.	.	.	M	.	1	6	7	3	92-1009		
LAS	531	G11820xG12275	SANGRETORO	6	.	.	.	.	M	.	1	7	5	3	92-1010		
LAS	532	G11820xG12275	SANGRETORO	6	.	.	.	.	M	.	1	7	7	2	92-1011		
LAS	533	G11820xG12275	SANGRETORO	6	.	.	.	.	M	.	1	6	7	2	92-1012		
LAS	534	G5702xG12488	CARGAMANTO	2M	.	.	.	.	M	.	1	5	7	2	92-945		
LIB	1	G12730xVRB81005	AZUFRAO	3	38	4A	56	114	8	M	9	1	6	4	7	87-610	
LIB	2	G12730xVRB81005	AZUFRAO	3	40	4A	55	113	8	M	9	2	6	4	6	87-611	
LIB	3	G12730xVRB81005	CANARIO	3	44	4A	56	113	8	M	9	3	7	8	4	87-612	
LIB	4	(G12670xG2277)x(G7908xG4017)	CANARIO	3	40	4A	61	120	8	M	9	5	6	7	3	87-613	
LIB	5	(G12670xG2277)x(G7908xG4017)	CANARIO	3	33	4A	55	125	8	M	9	3	6	7	2	87-614	
LIB	6	G11819x(G11819xV80045)	CARGAMANTO	3M	52	4B	64	124	8	M	9	2	7	6	3	87-615	
LIB	7	G11819x(G11819xV80045)	CARGAMANTO	3M	53	4A	64	119	8	M	9	5	6	5	3	87-616	
LIB	8	G11819x(G11819xV80045)	CARGAMANTO	3M	56	4A	63	119	8	M	9	3	6	6	4	87-617	
LIB	9	(G11821xV79018)x(G12488xV79119)	CARGAMANTO	3M	51	4B	69	140	8	M	9	2	6	6	3	87-618	
LIB	10	G12631xG12488	LIBORINO	3R	46	4B	45	116	.	M	8	1	6	6	5	88-1054	
LIB	11	DESCONOCIDO	LIBORINO	3R	43	4A	45	116	.	M	8	3	6	7	3	88-1055	
LIB	12	G12443xG12325	LIBORINO	3R	43	4A	45	136	8	M	8	2	5	7	2	88-1056	
LIB	13	G12443xG12325	LIBORINO	3R	.	4A	45	.	.	M	9	2	5	6	5	88-1057	
LIB	14	G12443xG12325	LIBORINO	3R	.	4B	56	.	.	M	9	4	5	7	5	88-1058	
LIB	15	G12443xG12325	LIBORINO	3R	.	4B	45	.	.	M	9	2	5	6	2	88-1059	
LIB	16	G12518xVCA81018	DORE	3	35	.	86	.	.	M	.	3	.	7	6	89-858	
LIB	17	G11819xG12730	LIBORINO	3R	52	.	90	.	.	M	.	4	7	7	5	89-864	
LIB	18	G11819xG15828	LIBORINO	3R	51	.	93	.	.	M	.	3	7	6	6	89-865	
LIB	19	G11819xG15828	LIBORINO	3R	37	.	101	.	.	M	.	2	7	5	7	89-866	
LIB	20	G12722x(G12952xZAV83101)	LIBORINO	3M	41	4B	.	119	.	M	.	.	6	6	6	90-653	
LRK	1	G14016xG6415	LIGHT RED KIDNEY	5	46	1	35	71	3	N	8	7	6	7	3	87-368	89
LRK	2	G21720xG487	DARK RED KIDNEY	6	52	1	33	65	.	M	.	8	7	6	2	87-488	
LRK	3	(G14016xG6415)x(G76xG89)	LIGHT RED KIDNEY	5	45	1	35	69	3	N	9	5	6	6	4	87-369	
LRK	4	G14016xG20551	LIGHT RED KIDNEY	5	45	1	34	67	3	N	9	4	6	7	4	87-370	
LRK	5	G14016xG6415	LIGHT RED KIDNEY	5	38	1	35	69	3	N	8	8	5	7	4	87-371	
LRK	6	G14016xG6415	LIGHT RED KIDNEY	5	43	1	34	67	3	N	8	5	5	7	4	87-372	89
LRK	7	G20555xG6415	LIGHT RED KIDNEY	5	39	2B	33	67	3	N	9	4	6	5	3	87-373	89
LRK	8	(G14016xG6415)x(G76xG89)	RED KIDNEY	5	48	1	37	81	.	N	8	5	4	6	5	88-415	
LRK	9	(G14016xG6415)x(G76xG89)	RED KIDNEY	5	49	1	34	81	.	N	8	3	5	6	4	88-416	
LRK	10	G14016xG76	RED KIDNEY	5	54	1	33	78	8	N	8	4	5	6	3	88-417	
LRK	11	G14016xG76	RED KIDNEY	5	51	1	37	78	8	N	8	4	4	7	4	88-418	
LRK	12	G14016xG76	RED KIDNEY	5	46	1	33	72	1	N	9	3	5	7	3	88-419	
LRK	13	G14016xG76	RED KIDNEY	5	47	1	34	77	1	N	9	4	5	7	3	88-420	
LRK	14	G14016xG76	RED KIDNEY	5	45	1	33	72	1	N	8	3	6	7	4	88-421	
LRK	15	G21715xG76	RED KIDNEY	5	44	1	38	75	8	N	8	6	4	7	4	88-422	
LRK	16	G14016xG20551	RED KIDNEY	5	52	1	31	75	8	N	8	3	5	7	3	88-423	
LRK	17	G14016xG20551	RED KIDNEY	5	49	1	33	75	6	N	8	4	6	7	3	88-424	

Line	Cross	Cult. type	Seed			Days to					VEF	IB					
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
LRK	18	G14016xG6415	RED KIDNEY	5	51	1	33	74	7	N	8	4	5	6	5	88-425	
LRK	19	G14016xG6415	RED KIDNEY	5	51	1	33	72	6	N	8	4	6	6	4	88-426	
LRK	20	G14016xG6415	RED KIDNEY	5	53	1	33	72	8	N	8	5	6	6	5	88-427	
LRK	21	PVA1039xG4450	RED KIDNEY	5	42	1	33	66	1	N	8	4	4	7	3	88-428	
LRK	22	(G14016xG6415) x (G76xG89)	RED KIDNEY	5	51	1	36	79	8	N	8	2	5	6	4	88-429	
LRK	23	G14016xG76	RED KIDNEY	5	50	1	37	79	8	N	8	5	5	7	4	88-430	
LRK	24	G14016xG76	RED KIDNEY	5	52	1	37	79	8	N	8	5	5	7	3	88-431	
LRK	25	G21715xG76	RED KIDNEY	5	45	1	38	79	8	N	8	4	5	6	5	88-432	
LRK	26	G14016xG6415	RED KIDNEY	5	42	1	33	66	6	N	7	8	5	6	4	88-433	
LRK	27	PVA1117xA197	RED KIDNEY	5	53	1	33	72	7	N	8	5	5	7	5	88-434	
LRK	28	A197xG76	LIGHT RED KIDNEY	5	48	1	30	62	.	N	.	7	.	7	3	89-246	
LRK	29	A197xG4807	LIGHT RED KIDNEY	5	50	1	30	62	.	N	.	6	3	7	5	89-247	
LRK	30	AFR86xAFR169	DARK RED KIDNEY	5	37	2B	37	75	8	N	.	5	7	6	7	90-194	
LRK	31	PVA2303xDRK13	DARK RED KIDNEY	5	51	2A	35	70	.	N	.	1	7	7	3	91-107	
LSA	1	G4523xBAT1222	TUNDAMA	6M	44	.	70	.	.	M	.	6	.	6	2	89-717	
LSA	2	G4523xBAT1222	TUNDAMA	6M	42	.	70	.	.	M	.	6	.	6	2	89-718	
LSA	3	G4523xBAT1222	TUNDAMA	6M	44	.	70	.	.	M	.	6	.	6	2	89-719	
LSA	4	G4523xBAT1222	TUNDAMA	6M	45	.	70	.	.	M	.	6	.	6	2	89-720	
LSA	5	G4523xBAT1222	TUNDAMA	6M	44	.	70	.	.	M	.	6	.	5	2	89-721	
LSA	6	G4523xBAT1222	TUNDAMA	6M	44	.	70	.	.	M	.	7	.	5	2	89-722	
LSA	7	G4523xBAT1222	TUNDAMA	6M	45	.	70	.	.	M	.	7	.	6	2	89-723	
LSA	8	G4523xBAT1222	TUNDAMA	6M	.	.	70	.	.	M	.	.	.	.	.	.	.
LSA	9	G4523xBAT1222	TUNDAMA	6M	.	.	70	.	.	M	.	6	.	7	2	89-724	
LSA	10	G4523xBAT1222	TUNDAMA	6M	46	.	70	.	.	M	.	6	.	7	3	89-725	
LSA	11	G4523xBAT1222	TUNDAMA	6M	43	.	70	.	.	M	.	7	.	7	2	89-726	
LSA	12	G4523xBAT1222	TUNDAMA	6M	48	.	70	.	.	M	.	6	.	6	2	89-727	
LSA	13	G4523xBAT1222	TUNDAMA	6M	.	.	70	.	.	M	.	.	.	.	.	.	.
LSA	14	G4523xBAT1222	TUNDAMA	6M	42	.	70	.	.	M	.	7	.	6	2	89-728	
LSA	15	G4523xBAT1222	TUNDAMA	6M	43	.	70	.	.	M	.	6	.	6	2	89-729	
LSA	16	G4523xBAT1222	TUNDAMA	6M	47	.	81	.	.	M	.	1	6	6	6	89-730	
LSA	17	G4523xBAT1222	TUNDAMA	6M	47	.	70	.	.	M	.	6	.	5	2	89-731	
LSA	18	G4523xBAT1222	TUNDAMA	6M	44	.	70	.	.	M	.	5	6	5	4	89-732	
LSA	19	G4523xBAT1222	TUNDAMA	6M	.	.	70	.	.	M	.	.	.	.	.	.	.
LSA	20	G4523xBAT1222	TUNDAMA	6M	45	.	70	.	.	M	.	6	.	6	2	89-733	
LSA	21	G4523xBAT1222	TUNDAMA	6M	41	.	70	.	.	M	.	5	7	6	5	89-734	
LSA	22	G4523xBAT1222	TUNDAMA	6M	40	.	70	.	.	M	.	6	.	6	2	89-735	
LSA	23	G4523xBAT1222	TUNDAMA	6M	40	.	70	.	.	M	.	7	.	6	2	89-736	
LSA	24	G4523xBAT1222	TUNDAMA	6M	.	.	70	.	.	M	.	.	.	.	.	.	.
LSA	25	G4523xBAT1222	TUNDAMA	6M	.	.	70	.	.	M	.	.	.	.	.	.	.
LSA	26	G4523xBAT1222	TUNDAMA	6M	.	.	70	.	.	M	.	.	.	.	.	.	.
LSA	27	G4523xBAT1222	TUNDAMA	6M	42	.	70	.	.	M	.	7	.	6	2	89-737	
LSA	28	G4523xBAT1222	TUNDAMA	6M	.	.	70	.	.	M	.	.	.	.	.	.	.
LSA	29	G4523xBAT1222	TUNDAMA	6M	44	.	70	.	.	M	.	7	.	6	2	89-738	
LSA	30	G4523xBAT1222	TUNDAMA	6M	36	.	70	.	.	M	.	6	.	6	2	89-739	
LSA	31	G4523xBAT1222	TUNDAMA	6M	39	.	70	.	.	M	.	6	.	6	2	89-740	
LSA	32	G8147xA182	SANGRETORO	6	48	.	75	.	.	M	.	5	5	5	7	89-691	
LSA	33	G4523xBAT1222	TUNDAMA	6M	38	.	70	.	.	M	.	6	.	6	2	89-741	
LSA	34	G4523xBAT1222	TUNDAMA	6M	38	.	70	.	.	M	.	6	.	6	3	89-742	
LSA	35	G8147xA182	SANGRETORO	6M	46	.	77	.	.	M	.	5	6	6	6	89-692	
LSA	36	G8147xA182	SANGRETORO	6	37	.	79	.	.	M	.	6	.	3	2	89-693	
LSA	37	G8147xA182	SANGRETORO	6	40	.	79	.	.	M	.	6	.	3	2	89-694	
LSA	38	G8147xA182	SANGRETORO	6	39	.	79	.	.	M	.	6	.	5	2	89-695	
LSA	39	G8147xA182	SANGRETORO	6	38	.	79	.	.	M	.	7	.	4	2	89-696	
LSA	40	G8147xA182	SANGRETORO	6	36	.	79	.	.	M	.	7	.	4	2	89-697	
LSA	41	G8147xA182	SANGRETORO	6	38	.	79	.	.	M	.	6	.	5	2	89-698	
LSA	42	G8147xA182	SANGRETORO	6	50	.	79	.	.	M	.	6	.	4	2	89-699	

Line	Cross	Cult. type	Seed			Days to							VEF Yr Ent	IB YAN		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBS			ALS	Rust
LSA 43	G8147xA182	SANGRETORO	6	41		79	.	.	M	.	5	7	4	4	89-700	
LSA 44	G8147xA182	SANGRETORO	6	35		79	.	.	M	.	6	.	3	2	89-701	
LSA 45	G8147xA182	SANGRETORO	6	40		79	.	.	M	.	6	.	4	2	89-702	
LSA 46	G8147xA182	SANGRETORO	6	45		75	.	.	M	.	6	.	4	2	89-703	
LSA 47	G8147xA182	SANGRETORO	6	39		79	.	.	M	.	5	7	4	3	89-704	
LSA 48	G8147xA182	SANGRETORO	6	46		81	.	.	M	.	3	6	5	6	89-705	
LSA 49	G8147xA182	SANGRETORO	6	43		75	.	.	M	.	6	.	5	2	89-706	
LSA 50	G8147xA182	SANGRETORO	6	47		75	.	.	M	.	5	6	5	6	89-707	
LSA 51	G8147xA182	SANGRETORO	6	45		79	.	.	M	.	4	6	4	6	89-708	
LSA 52	G8147xA182	SANGRETORO	6	45		79	.	.	M	.	4	6	5	3	89-709	
LSA 53	G8147xA182	SANGRETORO	6	48		79	.	.	M	.	5	5	6	4	89-710	
LSA 54	G12722xG21720	TUNDAMA	6M	48		81	.	.	M	.	2	.	5	3	89-682	
LSA 56	G8147xA182	SANGRETORO	6	49		79	.	.	M	.	5	6	5	2	89-711	
LSA 57	G4523xBAT1222	TUNDAMA	6M	40		70	.	.	M	.	6	.	6	2	89-743	
LSA 58	G4523xBAT1222	TUNDAMA	6M	52		70	.	.	M	.	6	.	6	2	89-744	
LSA 59	G4523xBAT1222	TUNDAMA	6M	45		70	.	.	M	.	6	.	6	2	89-745	
LSA 60	G4523xBAT1222	TUNDAMA	6M	39		70	.	.	M	.	7	.	6	2	89-746	
LSA 61	G8147xA182	SANGRETORO	6	42		75	.	.	M	.	7	.	3	2	89-713	
LSA 62	G4523xBAT1222	TUNDAMA	6M	41		70	.	.	M	.	6	.	6	3	89-747	
LSA 63	G8147xA182	SANGRETORO	6	54		75	.	.	M	.	6	.	6	2	89-714	
LSA 64	G4523xBAT1222	TUNDAMA	6M	49		70	.	.	M	.	7	.	7	2	89-748	
LSA 65	G4523xBAT1222	TUNDAMA	6M	45		70	.	.	M	.	6	.	7	2	89-749	
LSA 66	G4523xBAT1222	TUNDAMA	6M	39		70	.	.	M	.	7	.	7	3	89-750	
LSA 67	G8147xA182	SANGRETORO	6	47		79	.	.	M	.	6	.	6	2	89-712	
LSA 68	G4523xBAT1222	TUNDAMA	6M	40		70	.	.	M	.	6	.	7	3	89-751	
LSA 69	G8147xA182	SANGRETORO	6	42		81	.	.	M	.	6	.	4	2	89-715	
LSA 70	G8147xA182	SANGRETORO	6	48		79	.	.	M	.	5	8	5	8	89-690	
LSA 71	G4523xBAT1222	TUNDAMA	6M	36		70	.	.	M	.	7	.	6	2	89-752	
LSA 72	G4523xBAT1222	TUNDAMA	6M	37		70	.	.	M	.	7	.	6	2	89-753	
LSA 73	G8147xA182	SANGRETORO	6	36		79	.	.	M	.	7	.	6	3	89-687	
LSA 74	G8147xA182	SANGRETORO	6	35		79	.	.	M	.	7	.	5	3	89-688	
LSA 75	G4523xBAT1222	TUNDAMA	6M	31		70	.	.	M	.	7	.	6	2	89-754	
LSA 76	G4523xBAT1222	TUNDAMA	6M	40		70	.	.	M	.	7	.	6	2	89-755	
LSA 77	G4523xBAT1222	TUNDAMA	6M	37		72	.	.	M	.	7	.	6	2	89-756	
LSA 78	G8147xG21699	TUNDAMA	6M	.		79	.	.	M	.	6	.	4	2	89-757	
LSA 79	G8147xG21699	TUNDAMA	6M	34		79	.	.	M	.	6	.	3	2	89-758	
LSA 80	G8147xG21699	TUNDAMA	6M	38		79	.	.	M	.	6	.	3	2	89-759	
LSA 81	G8147xG21699	TUNDAMA	6M	37		79	.	.	M	.	5	7	6	2	89-760	
LSA 82	G8147xG21699	TUNDAMA	6M	39		81	.	.	M	.	5	7	6	6	89-761	
LSA 83	G8147xG21699	TUNDAMA	6M	31		79	.	.	M	.	6	.	4	2	89-762	
LSA 84	G8147xG21699	TUNDAMA	6M	30		79	.	.	M	.	4	6	3	7	89-763	
LSA 85	G8147xG21699	TUNDAMA	6M	33		79	.	.	M	.	4	7	3	7	89-764	
LSA 86	G8147xG21699	TUNDAMA	6M	31		79	.	.	M	.	4	8	4	7	89-765	
LSA 87	G8147xG21699	TUNDAMA	6M	34		77	.	.	M	.	4	6	3	5	89-766	
LSA 88	G8147xG21699	TUNDAMA	6M	.		77	.	.	M	.	4	6	4	3	89-767	
LSA 89	G8147xG22147	SANGRETORO	6	39		79	.	.	M	.	6	.	4	2	89-689	
LSA 90	G8147xG22147	TUNDAMA	6M	40		77	.	.	M	.	7	.	5	2	89-768	
LSA 91	G8147xG22147	TUNDAMA	6M	36		77	.	.	M	.	7	.	5	2	89-769	
LSA 92	G8147xG22147			.		.	.	.	M	.	.	.	.	.
LSA 93	G8147xG22147	TUNDAMA	6M	48		77	.	.	M	.	6	.	6	2	89-770	
LSA 94	G8147xG22147	TUNDAMA	6M	37		79	.	.	M	.	6	.	6	2	89-771	
LSA 95	G8147xG22147	TUNDAMA	6M	36		79	.	.	M	.	7	.	4	2	89-772	
LSA 96	G8147xG22147	TUNDAMA	6M	34		79	.	.	M	.	6	.	5	2	89-773	
LSA 97	G8147xG22147	TUNDAMA	6M	38		81	.	.	M	.	6	.	3	2	89-774	
LSA 98	G8147xG22147	TUNDAMA	6M	39		81	.	.	M	.	7	.	6	2	89-775	
LSA 99	G12666xG14016	SUGAR	2M	39		81	.	.	M	.	1	.	6	3	89-661	

Line	Cross	Cult. type	Seed			Days to						VEF	IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
LSA 100	G12666xG14016	TUNDAMA	6M	44		79	.	.	M	.	2	6	6	6	89-776	
LSA 101	G12666xG14016	TUNDAMA	6M	46		79	.	.	M	.	3	7	5	7	89-777	
LSA 102	G12666xG14016	TUNDAMA	6M	49		79	.	.	M	.	2	6	4	3	89-778	
LSA 103	G12666xG14016	TUNDAMA	6M	47		79	.	.	M	.	2	7	5	2	89-779	
LSA 104	TIB33411xG12666	TUNDAMA	6M	42		79	.	.	M	.	4	8	5	6	89-780	
LSA 105	TIB33411xG12666	SUGAR	2M	44		79	.	.	M	.	6	.	4	2	89-662	
LSA 106	TIB33411xG12666	SUGAR	2M	40		79	.	.	M	.	4	.	5	2	89-663	
LSA 107	TIB33411xG12666	SUGAR	2M	35		79	.	.	M	.	3	.	4	3	89-664	
LSA 108	TIB33411xG12666	TUNDAMA	6M	43		79	.	.	M	.	7	.	5	2	89-781	
LSA 109	TIB33411xG12666	SUGAR	2M	44		79	.	.	M	.	1	.	6	2	89-665	
LSA 110	TIB33411xG12666	SUGAR	2M	42		81	.	.	M	.	1	.	5	2	89-666	
LSA 111	TIB33411xG12666	SUGAR	2M	44		79	.	.	M	.	1	.	6	2	89-667	
LSA 112	TIB33411xG12666	SUGAR	2M	41		79	.	.	M	.	1	.	7	2	89-668	
LSA 113	TIB33411xG12666	SUGAR	2M	45		81	.	.	M	.	1	.	6	2	89-669	
LSA 114	TIB33411xG12666	SUGAR	2M	49		79	.	.	M	.	1	.	5	2	89-670	
LSA 115	TIB33411xG12666	TUNDAMA	6M	44		79	.	.	M	.	6	.	5	2	89-782	
LSA 116	TIB33411xG12666	TUNDAMA	6M	41		79	.	.	M	.	6	.	6	2	89-783	
LSA 117	TIB33411xG12666	TUNDAMA	6M	46		79	.	.	M	.	6	.	6	2	89-784	
LSA 118	TIB33411xG12666	SUGAR	2M	37		79	.	.	M	.	1	.	7	2	89-671	
LSA 119	TIB33411xG12666	SUGAR	2M	37		79	.	.	M	.	1	.	7	2	89-672	
LSA 120	TIB33411xG12666	TUNDAMA	6M	40		79	.	.	M	.	3	6	4	5	89-785	
LSA 121	TIB33411xG12666	TUNDAMA	6M	48		79	.	.	M	.	3	6	6	6	89-786	
LSA 122	S15078xG12666	TUNDAMA	6M	49		79	.	.	M	.	3	7	5	5	89-787	
LSA 123	S15078xG12666	SUGAR	2M	35		79	.	.	M	.	3	.	7	2	89-673	
LSA 124	G12666xG8147	TUNDAMA	6M	37		79	.	.	M	.	4	6	5	3	89-788	
LSA 125	G12666xG8147	TUNDAMA	6M	40		79	.	.	M	.	1	6	6	5	89-789	
LSA 126	G12666xG8147	TUNDAMA	6M	37		79	.	.	M	.	2	7	6	6	89-790	
LSA 127	G12666xG8147	TUNDAMA	6M	43		79	.	.	M	.	2	6	6	5	89-791	
LSA 128	G12666xG8147	TUNDAMA	6M	43		79	.	.	M	.	3	6	4	7	89-792	
LSA 129	G12666xG8147	TUNDAMA	6M	44		79	.	.	M	.	2	7	5	7	89-793	
LSA 130	G12666xG8147	TUNDAMA	6M	42		79	.	.	M	.	4	6	6	7	89-794	
LSA 131	G12666xG8147	TUNDAMA	6M	35		79	.	.	M	.	6	.	6	2	89-795	
LSA 132	G12666xG21699	TUNDAMA	6M	34		79	.	.	M	.	4	7	6	6	89-796	
LSA 133	G8147xG21699	TUNDAMA	6M	32	2	54	113	.	M	.	3	6	4	6	90-684	
LSA 134	G8147xG21699	TUNDAMA	6M	35	2	56	116	.	M	.	5	6	4	6	90-685	
LSA 135	G8147xG21699	TUNDAMA	6M	35	2	56	116	.	M	.	3	5	4	4	90-686	
LSA 136	G8147xG21699	TUNDAMA	6M	26	2	54	110	.	M	.	5	5	4	5	90-687	
LSA 137	G8147xG21699	SANGRETORO	6	42	2	54	116	.	M	.	5	6	4	6	90-682	
LSA 138	G8147xG21699	SANGRETORO	6	38	1	54	113	.	M	.	6	6	4	7	90-683	
LSA 139	G14016xG8147	TUNDAMA	6M	35	2	54	113	8	M	.	4	5	4	3	90-688	
LSA 140	G12666xG14016	TUNDAMA	6M	38	2	54	123	.	M	.	1	6	5	5	90-689	
LSA 141	G12666xG14016	TUNDAMA	6M	38	2	54	116	.	M	.	1	6	5	5	90-690	
LSA 142	G12666xG14016	TUNDAMA	6M	39	2	54	121	.	M	.	2	6	5	5	90-691	
LSA 143	G12666xG14016	TUNDAMA	6M	40	2	54	134	.	M	.	1	5	5	5	90-692	
LSA 144	G12666xG14016	TUNDAMA	6M	37	2	56	121	.	M	.	1	6	5	4	90-693	
LSA 145	TIB33411xG12666	SUGAR	2M	41	2	56	120	.	M	.	2	7	5	4	90-670	
LSA 146	TIB33411xG12666	SUGAR	2M	39	2	56	120	.	M	.	1	6	4	5	90-671	
LSA 147	TIB33411xG12666	SUGAR	2M	41	2	56	123	.	M	.	1	6	6	4	90-672	
LSA 148	TIB33411xG12666	SUGAR	2M	42	2	54	.	.	M	.	1	6	5	4	90-673	
LSA 149	TIB33411xG12666	SUGAR	2M	37	2	58	121	.	M	.	1	6	6	3	90-674	
LSA 150	TIB33411xG12666	SUGAR	2M	42	2	56	121	.	M-N	.	1	7	5	4	90-675	
LSA 151	TIB33411xG12666	TUNDAMA	6M	36	2	54	114	.	M	.	4	6	6	6	90-706	
LSA 152	TIB33411xG12666	TUNDAMA	6M	39	2	54	116	8	M	.	4	6	6	4	90-694	
LSA 153	TIB33411xG12666	TUNDAMA	6M	35	2	54	114	8	M	.	5	6	6	5	90-695	
LSA 154	TIB33411xG12666	SUGAR	2M	37	2	58	134	.	M	.	1	7	6	3	90-676	
LSA 155	TIB33411xG12666	SUGAR	2M	38	2	58	163	.	M	.	1	7	5	5	90-677	

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fol	BCMV	Bmp	Ant	CBB	ALS			Rust	Yr	Ent	YAN
LSA 156	TIB33411xG12666	TUNDAMA	6M	40	2	54	121	.	M	.	1	7	5	5	90-696	
LSA 157	TIB33411xG12666	TUNDAMA	6M	36	2	56	114	.	M	.	1	5	6	5	90-697	
LSA 158	TIB33411xG12666	SUGAR	2M	35	2	58	115	.	M	.	1	6	5	5	90-678	
LSA 159	G12666xG8147	TUNDAMA	6M	38	2	56	121	8	M	.	1	6	6	5	90-698	
LSA 160	G12666xG8147	TUNDAMA	6M	43	2	56	121	.	M	.	1	6	6	4	90-699	
LSA 161	G12666xG8147	TUNDAMA	6M	35	2	54	114	.	M	.	2	5	6	4	90-700	
LSA 162	G12666xG8147	TUNDAMA	6M	37	2	56	121	.	M	.	1	6	5	5	90-701	
LSA 163	G12666xG8147	TUNDAMA	6M	35	2	56	121	.	M	.	1	6	5	5	90-702	
LSA 164	G12666xG8147	TUNDAMA	6M	36	2	54	116	.	M	.	2	6	6	5	90-703	
LSA 165	G12666xG8147	TUNDAMA	6M	34	2	56	121	8	M	.	6	5	6	4	90-704	
LSA 166	A36xE791	TUNDAMA	6M	38	2	54	116	.	M	.	4	7	6	7	90-705	
LSA 167	A36xG11544	CANARIO	3	44	2	58	115	.	M	.	1	7	6	6	90-679	
LSA 168	A36xG11544	CANARIO	3	33	2	54	113	.	M	.	5	6	6	4	90-680	
LSA 169	G22147xPVA1387	CRANBERRY	2M	50	1	45	110	.	M	.	5	7	4	5	90-668	
LSA 170	G22147xPVA1387	CRANBERRY	2M	45	1	48	110	.	M	.	5	7	4	5	90-669	
LSA 171	A36xPAD15	TUNDAMA	6M	45	1	48	113	.	M	.	1	6	6	6	90-681	
LSA 172	G14016xPVA5	DUVA	6	47	2A	55	106	.	M	.	1	7	6	3	91-518	
LSA 173	G14016xPVA5	DUVA	6	48	2A	55	107	.	M	.	3	7	5	3	91-519	
LSA 174	PVA1441xDUVA	RADICAL	6	37	1	45	93	.	N-M	.	3	6	6	4	91-522	
LSA 175	PVA1441xDUVA	RADICAL	6	57	1	45	92	.	N-M	.	1	7	6	3	91-523	
LSA 176	G12685xPVA1198	RADICAL	6	37	1	48	90	.	M	.	1	7	7	5	91-524	
LSA 177	PVA1441xDUVA	RADICAL	6	48	1	45	90	.	N	.	4	7	6	3	91-525	
LSA 178	PVA1441xDUVA	RADICAL	6	43	1	45	94	.	N	.	2	6	7	2	91-526	
LSA 179	A36xE791	TUNDAMA	6M	46	2B	55	106	.	M	.	2	7	6	3	91-513	
LSA 180	A36xE791	TUNDAMA	6M	42	2A	55	107	.	M	.	3	7	5	3	91-514	
LSA 181	T23xA484	TUNDAMA	6M	40	2B	49	88	.	M	.	2	7	5	3	91-515	
LSA 182	A36xPAD15	TUNDAMA	6M	49	2A	55	107	.	M	.	2	7	7	4	91-516	
LSA 183	A36xPAD15	TUNDAMA	6M	49	2A	55	97	.	M	.	2	6	7	4	91-517	
LSA 184	E791xBAT1253	MWEZI MOJA	7M	47	1	45	88	.	M	.	5	7	6	3	91-528	
LSA 185	E791xBAT1253	MWEZI MOJA	7M	45	1	48	97	.	M	.	3	7	4	3	91-529	
LSA 186	E791xBAT1253	MWEZI MOJA	7M	40	1	45	85	.	M	.	4	7	5	3	91-530	
LSA 187	E791xBAT1253	MWEZI MOJA	7M	38	2A	48	89	.	M	.	5	7	5	3	91-531	
LSA 188	E791xBAT1253	MWEZI MOJA	7M	37	1	48	85	.	M	.	5	7	5	2	91-532	
LSA 189	E791xBAT1253	MWEZI MOJA	7M	41	1	48	85	.	M	.	5	7	5	2	91-533	
LSA 190	E791xBAT1253	MWEZI MOJA	7M	45	2B	52	99	.	M	.	6	6	4	3	91-534	
LSA 191	E791xBAT1253	MWEZI MOJA	7M	46	2A	52	99	.	M	.	5	6	6	3	91-535	
LSA 192	E791xBAT1253	MWEZI MOJA	7M	38	2A	45	99	.	N-M	.	3	6	6	2	91-536	
LSA 193	G12400xA179	MWEZI MOJA	7M	43	1	55	100	.	N	.	1	6	6	3	91-537	
LSA 194	G12470xA179	MWEZI MOJA	7M	49	1	48	91	.	N	.	4	6	5	3	91-538	
LSA 195	E791xBAT1253	MWEZI MOJA	7M	.	1	48	89	.	N	.	3	5	6	3	91-539	
LSA 196	TIB33341xBAT1253	DUVA	6	42	2B	55	98	.	M	.	3	6	5	2	91-520	
LSA 197	TIB33341xBAT1253	RADICAL	6	38	1	52	94	.	M	.	6	5	7	2	91-527	
LSA 198	TIB33341xBAT1253	DUVA	6	41	2A	55	100	.	M	.	6	6	5	3	91-521	
LSA 199	G12400xA179	CARGAMANTO	2R	43	1	45	85	.	M	.	2	6	6	3	91-504	
LSA 200	G12400xA179	LLANOGRANDE	2R	50	1	48	91	.	M	.	4	6	5	4	91-508	
LSA 201	G12400xA179	LLANOGRANDE	2R	46	1	45	95	.	M	.	3	6	5	2	91-509	
LSA 202	G12400xA179	CARGAMANTO	2R	53	1	45	87	.	M	.	4	7	6	3	91-505	
LSA 203	G12400xA179	LLANOGRANDE	2R	47	1	45	90	.	M	.	3	6	6	3	91-510	
LSA 204	G12470xA179	CARGAMANTO	2M	47	3A	55	105	.	M	.	1	6	7	2	91-506	
LSA 205	XAN122xA114	CARGAMANTO	2M	41	2A	45	89	.	M	.	4	6	7	3	91-507	
LSA 206	TIB33462xTIB33411	SUGAR	2M	.	.	.	.	.	M	.	1	6	5	2	92-850	
LSA 207	PERU69xPVA1387	SUGAR	2M	.	.	.	.	.	M	.	1	7	6	3	92-851	
LSA 208	PERU69xPVA1387	SUGAR	2M	.	.	.	.	.	M	.	1	7	7	3	92-852	
LSA 209	PERU69xPVA1387	SUGAR	2M	.	.	.	.	.	M	.	1	7	7	3	92-853	
LSA 210	G11475xPVA1387	CRANBERRY	2M	.	.	.	.	.	M	.	1	5	6	3	92-848	
LSA 211	G11475xPVA1387	CRANBERRY	2M	.	.	.	.	.	M	.	1	5	7	3	92-849	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to				Emp	Ant	CBB	ALS	Rust	Yr	VVF	IB
						F1	Mt	Fot	BCMV							Ent	YAN
LSA	212	ANT8140xPVA1372	SUGAR	2M	.	.	.	.	N	.	1	6	5	3	92-854	
LSA	213	XAN122xA114	SUGAR	2M	.	.	.	.	M	.	1	7	6	3	92-855	
LSA	214	TIB33462xG12666	TUNDAMA	6M	.	.	.	.	M	.	1	7	7	2	92-856	
LSA	215	TIB33462xG12666	TUNDAMA	6M	.	.	.	.	M	.	1	7	5	3	92-857	
LSA	216	TIB33462xG12666	TUNDAMA	6M	.	.	.	.	M	.	1	6	3	2	92-858	
LSA	217	TIB33462xG12666	TUNDAMA	6M	.	.	.	.	M	.	1	7	4	3	92-859	
LSA	218	TIB33462xG12666	TUNDAMA	6M	.	.	.	.	M	.	1	7	7	2	92-860	
LSA	219	TIB33462xG12666	TUNDAMA	6M	.	.	.	.	M	.	1	7	5	3	92-861	
LSA	220	DUVAxANT8140	TUNDAMA	6M	.	.	.	.	M	.	1	6	5	2	92-862	
LSA	221	DUVAxANT8140	TUNDAMA	6M	.	.	.	.	M	.	1	6	4	2	92-863	
LSA	222	DUVAxANT8140	TUNDAMA	6M	.	.	.	.	M	.	1	7	5	2	92-864	
LSA	223	ANT8140xPVA1345	TUNDAMA	6M	.	.	.	.	M	.	1	6	4	3	92-865	
LSA	224	ANT8140xPVA1345	TUNDAMA	6M	.	.	.	.	M	.	1	6	5	2	92-866	
LSA	225	ANT8140xPVA1345	TUNDAMA	6M	.	.	.	.	M	.	1	6	5	2	92-867	
LSA	226	ANT8140xPVA1345	TUNDAMA	6M	.	.	.	.	M-N	.	1	6	5	2	92-868	
LSA	227	G14016xPVA5	TUNDAMA	6M	.	.	.	.	M	.	1	4	5	3	92-869	
LSA	228	G14016xPVA5	TUNDAMA	6M	.	.	.	.	M	.	1	5	3	3	92-870	
LSA	229	PVA1441xDUVA	TUNDAMA	6M	.	.	.	.	N-M	.	1	7	7	3	92-871	
LSA	230	PVA1441xDUVA	POMPADOUR	6M	.	.	.	.	N	.	1	7	7	2	92-875	
LSA	231	PVA1441xDUVA	POMPADOUR	6M	.	.	.	.	N	.	1	6	7	3	92-876	
LSA	232	A36xPAD15	POMPADOUR	6M	.	.	.	.	M	.	1	7	6	3	92-877	
LSA	233	G4727xTIB33411	TUNDAMA	6M	.	.	.	.	M	.	1	6	5	3	92-872	
LSA	234	G4727xTIB33411	TUNDAMA	6M	.	.	.	.	M	.	1	5	4	2	92-873	
LSA	235	G14016xPVA5	SANGRETORO	6	.	.	.	.	M	.	1	6	5	3	92-889	
LSA	236	G14016xPVA5	SANGRETORO	6	.	.	.	.	M	.	1	6	5	3	92-890	
LSA	237	G14016xPVA5	SANGRETORO	6	.	.	.	.	M	.	1	5	7	3	92-891	
LSA	238	PVA1441xDUVA	SANGRETORO	6	.	.	.	.	N	.	1	8	7	3	92-892	
LSA	239	PVA1441xDUVA	RED MEXICAN	6	.	.	.	.	N	.	1	7	7	3	92-878	
LSA	240	PVA1441xDUVA	RED MEXICAN	6	.	.	.	.	N	.	1	7	7	3	92-879	
LSA	241	PVA1441xDUVA	RED MEXICAN	6	.	.	.	.	N	.	1	7	7	3	92-880	
LSA	242	PVA1441xDUVA	RED MEXICAN	6	.	.	.	.	N	.	1	8	7	3	92-881	
LSA	243	PVA1441xDUVA	RED MEXICAN	6	.	.	.	.	N	.	1	7	7	3	92-882	
LSA	244	PVA1441xDUVA	RED MEXICAN	6	.	.	.	.	N	.	1	7	7	3	92-883	
LSA	245	PVA1441xDUVA	RED MEXICAN	6	.	.	.	.	N	.	1	7	7	3	92-884	
LSA	246	PVA1441xDUVA	RED MEXICAN	6	.	.	.	.	N	.	1	7	7	2	92-885	
LSA	247	PVA1441xDUVA	RED MEXICAN	6	.	.	.	.	N	.	1	7	7	3	92-886	
LSA	248	PVA5xA486	SANGRETORO	6	.	.	.	.	M	.	1	6	7	3	92-893	
LSA	249	PVA5xA486	SANGRETORO	6	.	.	.	.	M	.	1	6	7	3	92-894	
LSA	250	PVA1441xG12685	SANGRETORO	6	.	.	.	.	M	.	1	6	7	3	92-895	
LSA	251	PVA1441xG12685	RED MEXICAN	6	.	.	.	.	M	.	1	6	7	4	92-887	
LSA	252	PVA1441xG12685	RED MEXICAN	6	.	.	.	.	M	.	1	6	5	3	92-888	
LSA	253	DUVAxANT8140	SANGRETORO	6	.	.	.	.	M	.	1	7	5	2	92-896	
LSA	254	G4727xTIB33411	GUALI	6M	.	.	.	.	M-N	.	1	6	5	2	92-874	
LSH	1	LHVS1-SELECCION		1	45	4B	57	126	N	.	4	7	7	3	90-795		
LSH	2	LHVS2-SELECCION	NEGRO BRILLANTE	8	28	4A	47	112	N	.	1	7	4	8	90-796		
LSH	3	LHVS3-SELECCION		1	31	4A	47	107	N-M	.	.	7	6	7	90-797		
LSH	4	LHVS4-SELECCION		1	34	4A	47	117	N	.	1	7	5	8	90-798		
LSH	5	LHVS5-SELECCION		1	34	4B	57	112	N	.	4	6	7	7	90-799		
MAM	1	A78xBAT1215		2	24	3A	45	83	N	9	3	6	8	5	83-906		
MAM	2	A157xA57		2	28	2B	36	68	N	9	3	6	8	5	83-894		
MAM	3	BAT76xG2618		2	27	3A	37	70	N	9	4	6	8	1	83-907		
MAM	4	BAT561xG7602		2	39	3A	32	68	8	N	9	2	6	8	1	83-903	
MAM	5	BAT561xG7602		2	31	3A	36	69	8	N	9	2	6	8	5	83-911	
MAM	6	BAT561x(G879xG2337)		2	27	3B	36	81	8	N	9	1	5	7	1	83-933	
MAM	7	BAT561x(G22147xG22163)		2	23	3B	40	75	4	N	9	1	7	7	1	83-929	
MAM	8	BAT561x(G22147xG22163)		2	22	3A	38	70	.	N	9	5	6	8	5	83-908	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to							VRF		IB YAN	
						Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent
MAM	9	G5019xG4017	2	28	3B	39	73	1	N	9	5	9	7	5	83-936	
MAM	10	G7602xBAT76	2	35	3B	30	65	8	N	9	2	7	3	5	83-925	
MAM	11	G2858xBAT76	2M	35	3B	31	70	5	N	9	2	7	6	1	83-940	
MAM	12	G4017xG2618	2R	38	3B	35	73	8	N	9	2	5	7	5	83-989	
MAM	13	A175xG4317	.	.	.	.	.	.	N	.	.	.	.	.	.	.
MAM	14	G7602x(A54x(A54xG1759) F1) F1	2	30	2B	33	69	.	N	9	1	7	6	9	86-675	
MAM	15	G7602x(A54x(A54xG1759) F1) F1	2	29	2B	32	66	.	N	9	3	7	6	8	86-677	
MAM	16	G12730x(XAN68xG1764) F1	3	38	3	36	75	1	N	9	6	6	7	4	86-686	
MAM	17	G12730x(XAN68xG1764) F1	2	34	3	39	75	1	N	9	4	8	6	7	86-685	
MAM	18	G22006x(G3425xA290) F1	2	32	3	35	73	.	N	9	1	7	6	7	86-664	
MAM	19	A175xG4317	3	34	2B	35	68	3	N	9	2	7	7	5	86-633	
MAM	20	A62x(A77xG13224) F1	2R	30	1	37	69	.	N	9	1	7	6	7	86-694	
MAM	21	A62x(A77xG13224) F1	2R	27	2B	37	71	.	N	9	1	7	6	5	86-695	
MAM	22	G12730xA441	2R	38	3	42	68	.	N	9	6	7	5	7	86-764	
MAM	23	A445xA246	2R	27	3	38	71	.	N	8	4	7	5	6	86-727	
MAM	24	G22083xBAT1670	2J	28	2B	36	75	.	N	9	1	7	6	5	86-775	
MAM	25	{A375xG17702} F1x{A445xXAN112} F1	2	35	3	39	65	.	N	.	7	7	7	6	89-157	
MAM	26	MAM13x(A457xBAT1297) F1	2	31	3	32	78	3	N	.	1	6	7	6	90-29	
MAM	27	{MAM4xG2858} F1x{G18446xA321} F1	2P	40	3	32	75	8	N	.	2	7	7	8	90-133	
MAM	28	{MAM4xG22055} F1x{RAB241xG18445} F1	2	33	3	32	80	8	N	.	5	7	5	8	90-39	
MAM	29	{RAO24xG15821} F1x{A410xG1764} F1	2	42	3	35	83	8	N	.	6	6	7	7	90-107	
MAM	30	{RAO24xG15821} F1x{A410xG1764} F1	2	24	3	33	83	8	N	.	5	6	7	3	90-30	
MAM	31	{RAO24xG15821} F1x{A410xG1764} F1	2	31	3	32	78	8	N	.	3	7	7	7	90-40	
MAM	32	{RAO24xG15821} F1x{A410xG1764} F1	2	38	3	31	82	8	N	.	3	6	7	4	90-31	
MAM	33	{RAB241xG18445} F1x{MAM10xA445} F1	2	42	3	34	80	1	N-M	.	1	7	7	8	90-32	
MAM	34	{A329xG18446} F1x{A444x(A483x...}	2	25	3	36	79	8	N	.	5	6	7	7	90-33	
MAM	35	{G18446xA321} F1x{G18441x(A483x...}	2	31	3	36	83	8	N	.	1	7	7	7	90-34	
MAM	36	{COS2xA445} F1x{CAN26x(G12666x(...}	2	30	3	.	81	8	N	.	5	3	7	2	90-108	
MAM	37	{RAO30xA59} F1x{G2793x(A252x...}	3	23	3	35	73	.	N	.	5	7	7	7	90-168	
MAM	38	A409x(BAT1670x(G4000xXAN112) F1) F1	5J	28	3	37	78	1	N	.	5	6	7	7	90-189	
MAM	39	G2858x{(A321xG18350) F1x{BAT85x(...}	2P	42	3	31	71	8	N	.	1	7	8	8	90-134	
MAM	40	{A375xG15821} F1x{G2793x(A457x...}	3	37	3	38	.	8	N	.	1	6	5	6	90-169	
MAM	41	A375x(G11010x(MAM11xG3017) F1) F1	2	38	3	34	70	8	N	.	1	7	7	7	90-35	
MAM	42	{RAO24xG15821} F1x{A410xG1764} F1	2	29	3	37	80	1	N	.	4	7	7	7	90-41	
MAM	43	BAT1670x(G13612x{(G2858xBAT304) F1x...}	2	30	3	30	72	8	N	.	1	7	8	7	90-61	
MAM	44	A375x(G11010x(MAM11xG3017) F1) F1	2P	38	3	34	79	8	N	.	1	7	7	4	90-135	
MAM	45	COS2xA445	3	32	3	37	78	1	N	.	1	7	7	7	90-170	
MAM	46	{A375xG15821} F1x{G2793x(A457x...}	3	35	3	37	80	8	N	.	1	7	7	7	90-171	
MAM	47	G15821x(MAM11x(G2793x(A252x...}	3	36	3	37	81	8	N	.	1	7	7	6	90-174	
MAR	1	{BAT85x(A83xXAN112) F1} F1x{G15416x(...}	2	28	3	38	63	.	N	.	6	.	4	4	89-147	
MAR	2	A252xG5653	2R	24	3	35	78	1	N	.	1	6	4	8	90-127	
MAR	3	A321xG811	2P	29	3	33	79	8	N	.	1	7	6	5	90-136	
MCD	201	HUETARXMEIXICO80	6	19	2A	42	73	.	N	8	5	8	7	5	84-160	89
MCD	230	DESCONOCIDO	6M	42	3	47	91	.	N	7	6	8	6	5	84-281	84
MCD	251	BAT950xG4076	6M	41	1	42	77	.	N	8	5	8	6	5	84-282	84
MCD	252	BAT950xG4076	6M	39	1	42	75	.	N	7	5	7	5	3	84-283	84
MCD	253	BAT950xG4076	6M	38	1	42	75	.	N	8	3	6	5	3	84-284	84
MCD	254	BAT1256XANTIOQUIA8	8	.	.	.	.	.	N	.	.	.	.	.	.	.
MCD	255	BAT1274x(G6617xG2618) F4	6M	32	1	42	86	.	N	8	4	5	6	5	84-285	
MCD	256	L-22xG5118	6	52	1	44	84	.	N	5	4	8	6	3	84-286	84
MCD	257	CALIMAXA21	6	35	1	44	85	.	N	8	4	8	7	5	84-161	84
MCD	2004	BCDESARRURAL-SELECCION	6	28	3	32	72	.	N	9	9	7	7	3	88-754	
MCD	2005	G2333x(G2333xMCD2004)	6	23	3	41	73	.	N	.	4	7	4	7	91-176	
MCD	2203	ZAA12x(ZAA12xA484)	7M	34	1	33	68	.	N	.	1	5	6	5	91-314	
MCD	2204	G24216x(G8108xG76)	5	33	2A	35	67	.	N	.	7	7	7	3	91-102	
MCD	2205	PVA782x(G76xPVA782)	7M	36	1	38	70	.	N	.	4	7	7	5	91-329	

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS			Rust	Yr	Ent	YAN
MCD 2206	AFR462x (DRK13xCAL102)	SANGRETORO	6	50	2A	34	80	.	N	.	7	5	4	3	93-461	
MCD 2402	S24990x (A197xBAT1386)	FRIJOLICA P11	7M	41	1	38	72	.	N	.	5	7	8	4	91-315	
MCD 2403	S24990x (A197xBAT1386)			45		38	73	.	N	.	4	7	8	4	91-316	
MCD 2404	S24990x (A197xBAT1386)	FRIJOLICA P11	6M	44	1	38	73	.	N	.	6	7	7	3	91-190	
MCD 2405	PAD123x (DRK4xAFR461)	SANGRETORO	6	45	1	31	68	.	N	.	7	7	5	4	93-462	
MCD 2507	CALIMAxROYALRED	GUALI	7M	53	1	30	66	.	N-M	9	7	4	6	4	86-X	
MCD 2510	CALIMAxROYALRED	GUALI	7M	49	1	32	66	.	N-M	9	7	4	4	4	86-X	
MCD 2511	CALIMAxROYALRED	GUALI	6M	53	1	32	66	4	N	9	7	7	6	4	86-X	
MCD 2512	CALIMAxROYALRED	GUALI	7M	52	1	31	66	4	N	9	7	6	5	4	86-X	
MCD 2513	CALIMAxROYALRED	GUALI	7M	55	1	32	66	4	N	9	7	7	4	4	86-X	
MCD 2514	CALIMAxROYALRED	GUALI	7M	53	1	31	66	.	N-M	9	7	4	4	4	86-X	
MCD 2515	CALIMAxROYALRED	GUALI	7M	53	1	32	66	.	N	9	7	4	5	4	86-X	
MCD 2516	CALIMAxROYALRED	GUALI	7M	54	1	33	66	4	N	9	7	7	6	4	86-X	
MCD 2518	CALIMAxROYALRED	GUALI	7M	52	1	33	66	.	N-M	9	7	4	4	4	86-X	
MCD 2519	ZAA12xA484	FRIJOLICA P11	7M	40	1	35	82	8	N	.	3	4	6	5	90-X	
MCD 2520	G8108xMCR2201-3	FRIJOLICA P11	6M	36	3B	33	80	.	N	.	8	7	7	6	90-X	
MCD 2521	G20555x (G20555xA292)	GUALI	7M	45	1	36	73	.	N	.	5	6	6	5	90-X	
MCD 2522	ZAA65x (ZAA65xBAT1426)	CITARA	6M	39	1	38	72	.	N	.	5	6	8	3	91-273	
MCD 2523	ZAA65x (ZAA65xBAT1426)	FRIJOLICA P11	6M	41	1	38	74	.	N	.	6	7	6	4	91-191	
MCD 2524	CALIMAx (CALIMAxAND345)	POMPADOUR	6M	38	1	34	68	.	N	.	4	7	8	4	91-261	
MCD 2525	CIFEM87053xG2333	CALIMA	6M	53	1	34	80	.	N-M	.	4	6	7	4	93-222	
MCD 2526	CAB4xMCM3508	CALIMA	6M	48	1	33	77	.	N	.	2	7	7	4	93-223	
MCD 2527	ASC56xCAB16	POMPADOUR	6M	45	1	34	79	.	N	.	2	5	7	4	93-409	
MCD 2528	PAD123x (DRK16xAFR461)	CAFETERO	6M	43	2A	34	77	.	N	.	8	7	7	4	93-381	
MCD 2529	PAD123x (AND623xCAL105)	CALIMA	6M	43	1	32	68	.	N	.	8	8	3	4	93-224	
MCD 2530	CALIMAx (CALIMAxAND364)	POMPADOUR	6M	42	2A	34	79	.	N	.	7	6	5	3	93-416	
MCD 2531	CALIMAx (CALIMAxAND364)	POMPADOUR	6M	44	2A	34	79	.	N	.	8	6	4	3	93-417	
MCD 2532	CALIMAx (CALIMAxAND364)	POMPADOUR	6M	43	2A	34	79	.	N	.	8	4	4	3	93-418	
MCD 2533	CALIMAx (CALIMAxAND364)	POMPADOUR	6M	45	2A	34	79	.	N	.	8	5	4	3	93-419	
MCD 3501	G14470xPENIXXGN-16	SMALL WHITE	1	33	3B	34	69	8	N	.	7	7	7	7	90-X	
MCD 3502	G7930xPENIXXGN-16	SMALL WHITE	1	35	3B	35	77	3	N	.	3	7	7	8	90-X	
MCD 4001	G21717x (G21717x (PVA782xG76))	SUGAR	2M	33	1	31	68	4	N	.	3	7	7	6	90-X	
MCD 4002	G20555x (A197xG4807)	SUGAR	2M	37	1	32	68	5	N	.	1	7	7	4	90-X	
MCD 4003	S24949x (S24949x (G8108xG76))		4	40	2	31	69	.	N	.	7	7	7	5	90-X	
MCD 4004	S24949x (S24949x (A197xBAT1386))		4	43	3A	31	76	.	N	.	7	6	7	4	90-X	
MCD 4005	ZAA65x (ZAA65xBAT1426)	SUGAR	2M	40	1	38	70	.	N	.	6	7	7	4	91-67	
MCD 4006	G24216xA197xG76	MARRON	4	45	2A	34	67	.	N	.	4	7	8	3	91-87	
MCD 4007	CALIMAx (CALIMAxAND345)	SUGAR	2M	33	1	36	69	.	N	.	2	6	6	3	91-71	
MCD 4008	CRAN28xG4470	CRANBERRY	2M	43	1	32	77	.	N	.	8	8	5	6	93-120	
MCD 4009	CRAN28xG4470	CRANBERRY	2M	43	1	32	77	.	N	.	8	8	4	5	93-121	
MCD 4010	CRAN28xBAT477	CRANBERRY	2M	45	1	32	79	.	N	.	8	7	4	6	93-122	
MCD 4011	CRAN28xBAT477	CRANBERRY	2M	45	1	32	79	.	N	.	8	8	5	6	93-123	
MCD 4012	SUG6xCRAN28	CRANBERRY	2M	40	3	34	79	.	N	.	6	4	5	4	93-124	
MCD 4013	SUG6xCRAN28	CRANBERRY	2M	42	3	33	80	.	N	.	4	4	4	5	93-125	
MCD 4014	SUG6xCRAN28	CRANBERRY	2M	40	3	34	81	.	N	.	6	6	3	4	93-126	
MCD 4015	CRAN28xP86241	CRANBERRY	2M	44	1	32	77	.	N	.	7	6	3	4	93-127	
MCD 4016	CRAN28xG2387	CRANBERRY	2M	51	3	34	85	.	N	.	1	4	4	3	93-128	
MCD 4017	CRAN28xG2387	CRANBERRY	2M	58	3	34	85	.	N	.	8	5	6	4	93-129	
MCD 4018	SUG6xCRAN28		.	.	.	.	.	.	N	.	.	.	.	.	.
MCD 4019	SUG6xCRAN28		.	.	.	.	.	.	N	.	.	.	.	.	.
MCD 4020	SUG6xCRAN28		.	.	.	.	.	.	N	.	.	.	.	.	.
MCD 4021	CRAN28xP86241		.	.	.	.	.	.	N	.	.	.	.	.	.
MCD 4022	CRAN28xG2387		.	.	.	.	.	.	N	.	.	.	.	.	.
MCD 4023	CRAN28xG2387		.	.	.	.	.	.	N	.	.	.	.	.	.
MCD 4024	CALIMAx (CALIMAxAND364)		.	.	.	.	.	.	N	.	.	.	.	.	.
MCD 4025	CALIMAx (CALIMAxAND364)		.	.	.	.	.	.	N	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to							VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr Ent	YAN
MCD 4026	CALIMAX (CALIMAXAND364)	.	.	.	.	.	.	N	.	.	.	.	.	.	.
MCD 4027	CALIMAX (CALIMAXAND364)	.	.	.	.	.	.	N	.	.	.	.	.	.	.
MCM 1002	ORFEOGINIA-SELECCION	NEGRO	8	26	2A	38	74	.	L	.	6	7	7	92-701	
MCM 1014	IVT831607xRAB71	NEGRO	8	19	3	42	75	8	O	8	7	6	7	7	88-779
MCM 1015	IVT831629xBAT1554	NEGRO	8	17	2B	37	72	2	O	9	7	7	7	7	88-780
MCM 1016	IVT831629xBAT1554	NEGRO	8	22	2B	36	70	1	O	9	7	7	8	7	88-781
MCM 1018	IVT831607xRAB71	NEGRO	8	20	2B	38	78	5	O	.	7	6	7	7	89-516
MCM 1019	IVT831607xRAB71	NEGRO	8	19	2B	36	77	4	O	.	7	7	7	7	89-517
MCM 1020	IVT831629xBAT1554	NEGRO	8	22	2A	38	80	5	O	.	3	6	8	7	89-518
MCM 1021	BAT1367xIVT80751	NEGRO	8	23	2B	37	78	1	O-N	.	3	6	6	7	89-519
MCM 1022	MASAIREDxMCM1002	NEGRO	8	25	3	41	75	1	L-N	.	8	6	7	7	91-371
MCM 2001	IVT831607xRAB71	RED MEXICAN	6	22	3	36	74	5	O-N	8	6	7	7	7	88-639
MCM 2002	IVT831607xRAB71	RED MEXICAN	6	22	3	33	72	3	O	8	8	7	7	7	88-640
MCM 2003	IVT831607xRAB71	HUETAR	6	27	2B	38	75	3	O	.	6	7	7	7	89-370
MCM 2004	IVT831657xPAI112	BAT 1297	6M	26	2B	38	76	3	O-N	.	4	6	7	7	89-218
MCM 2005	PVA1438xMCM1002	BAT 1297	6M	25	2B	35	72	1	L	.	8	7	8	8	90-216
MCM 2006	IVT831657xPAI112	BAT 1297	6M	30	2B	41	78	8	O-N	.	7	7	8	7	91-254
MCM 2007	RAB308x (RAB308xPENIGN1645)	HONDURAS 46	7	22	3	41	75	1	L	.	6	7	8	6	91-317
MCM 2008	RAB308x (RAB308xPENIGN1645)	HONDURAS 46	7	23	3	41	75	1	L	.	4	7	7	7	91-318
MCM 2201	IVT831657xPAI112	BAT 1297	6M	25	2A	38	79	8	O	.	7	7	7	5	89-219
MCM 2202	IVT831657xPAI112	BAT 1297	6M	27	2A	38	75	3	O	.	6	7	7	7	89-220
MCM 2203	IVT831657xPAI112	HUETAR	6	24	2B	39	75	3	L-O	.	6	7	7	7	89-371
MCM 2204	IVT831657xBAT1412	POMPADOUR	6M	26	1	48	109	4	O	.	4	7	6	7	90-619
MCM 2205	IVT831657xBAT1412	POMPADOUR	6M	24	1	48	109	8	O	.	1	7	6	7	90-620
MCM 2206	RAB308x (RAB308xPENIGN1645)	HONDURAS 46	7	29	3	41	72	1	L	.	6	7	7	7	91-319
MCM 2301	BAT1297xMCM1002	BAT 1297	6	24	2B	38	69	1	L	.	9	6	7	7	91-158
MCM 3030	IVT831575xPAN29	NAVY	1	18	2B	33	89	3	O	7	9	7	7	7	88-109
MCM 3031	IVT831575xPAN29	NAVY	1	19	2B	42	91	1	O	8	6	6	7	6	88-110
MCM 3032	IVT811373xBAT841	SMALL WHITE	1	16	1	45	91	2	O-N	.	8	8	7	8	90-12
MCM 3033	IVT811368xBAT1372	SMALL WHITE	1	17	1	43	114	3	O	.	4	8	8	7	90-13
MCM 3034	IVT811373xS14070	SMALL WHITE	1	20	3	45	92	5	O	.	5	7	7	8	90-14
MCM 3035	IVT811395xBAT1155	SMALL WHITE	1	19	2B	45	100	1	O	.	8	7	7	7	90-15
MCM 3036	BAT338xIVT80751	SMALL WHITE	1	16	3	45	91	1	O	.	8	7	7	7	90-16
MCM 3508	G8066xIVT7620	GREAT NORTHERN	1	16	2B	.	.	1	O	.	3	4	7	7	89-2
MCM 3509	G8066xIVT7620	CABALLERO	1	22	2B	38	74	2	O	.	9	3	7	7	89-3
MCM 3510	IVT811373xBAT841	SMALL WHITE	1	29	2B	35	77	8	O-N	.	8	7	7	7	89-21
MCM 3511	IVT811373xBAT841	SMALL WHITE	1	21	2B	35	74	3	O	.	1	7	6	7	89-22
MCM 3512	BAT338xIVT80751	SMALL WHITE	1	19	2B	38	78	1	O	.	8	7	5	7	89-23
MCM 4002	IVT811373xBAT841	CARIOCA	2M	25	2B	31	71	8	O	.	5	6	5	7	89-659
MCM 4003	IVT811373xBAT841	.	2	30	2B	35	81	8	O-N	.	1	6	5	7	89-130
MCM 4004	BAT1367xIVT80751	CHUMBINHO	4	33	2B	34	72	1	O-N	.	1	6	6	7	89-179
MCM 4005	BAT1367xIVT80751	CHUMBINHO	4	26	2A	33	86	3	O	.	1	7	7	7	89-180
MCM 4006	IVT811368xBAT1372	BICO DE OURO	2	23	1	48	113	4	O	.	2	7	4	7	90-603
MCM 4007	IVT831654xCAN20	CANARIO	3	14	2	56	113	1	O	.	1	5	7	8	90-607
MCM 4008	IVT831654xCAN20	CANARIO	3	17	2	58	113	1	O	.	6	6	7	8	90-608
MCM 4009	IVT831629xBAT1554	.	3	19	2	58	117	8	O	.	1	6	7	8	90-606
MCM 4010	IVT831629xBAT1554	PINTO	2P	17	2	54	117	8	O	.	2	7	7	8	90-605
MCM 4011	IVT811373xBAT841	OJO DE CABRA	2R	26	2	51	116	4	O	.	2	8	7	7	90-604
MCM 5001	IVT831629xBAT1554	PINTO	2M	23	3	37	76	3	O	8	3	7	7	7	88-250
MCM 5002	IVT831629xBAT1554	GARBANCILLO	3	20	2A	36	79	2	O	.	6	4	7	7	89-172
MCM 5009	IVT811373xBAT841	CARIOCA	2M	27	2B	.	82	7	O-N	.	3	7	7	7	89-657
MCM 5010	IVT811373xBAT841	CARIOCA	2M	32	2B	36	76	4	O-N	.	2	7	6	7	89-658
MCM 5011	A171xIVT811382	PIRIRITA	2M	28	2B	38	64	3	O	.	7	8	8	7	91-60
MCM 5012	CARIOCA80xMCM1002	CARIOCA	2	23	2B	40	65	3	L	.	7	8	7	8	91-44
MCR 1009	(WULMAxNULMA) x (WULMAxMCR2515)	NEGRO	8	21	3	41	78	1	O	.	8	7	6	7	91-372
MCR 1010	WULMAx (WULMAxMCR250115) xWULMA)	NEGRO	8	21	3	38	74	1	O	.	8	7	6	7	91-373

Line	Cross	Cult. type	Seed			Days to						VRF	IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant			CBB	ALS	Rust	Yr	Ent	YAN
MCR 1011	WULMAx (WULMAx (WULMAxMCR250115))	NEGRO	8	22	3	41	76	1	0	.	8	7	7	7	91-374	
MCR 1012	WULMAx (WULMAx (WULMAxMCR250115))	NEGRO	8	22	3	41	76	1	0	.	8	7	7	7	91-375	
MCR 1013	WULMAx (MCR250115xWULMA)	NEGRO	8	23	3	38	70	1	0	.	8	7	7	8	91-376	
MCR 2004	G13936x ((G13936xG11270)xG13936)	BOLA ROJA	6	24	3	33	57	8	0	.	3	7	8	6	91-162	
MCR 2203	S25002x (MCR2401-3xG23411)		7	37	3B	34	76	8	0	.	3	6	7	6	90-422	
MCR 2204	G2333x (MCR2401-3xG23411)	MEXICO 80	6	26	3B	36	85	8	0	.	1	7	5	6	90-308	
MCR 2205	S25009x (MCR2201-2xG21717)	DUVA	6	48	2B	30	72	7	0-N	.	3	7	6	6	90-296	
MCR 2206	CYUNYUx ((CYUNYUxMCR22012)xKARAMA1/2)	SANGRETORO	6	30	3A	31	76	8	0	.	2	7	6	5	90-410	
MCR 2207	G3648xMCR251-5	ROJO DE SEDA	6	39	1	30	64	1	0	.	6	8	6	7	90-348	
MCR 2208	CAROLINAx (MCR2402-1xCAROLINA)	MEXICO 80	6	22	3A	31	78	5	0	.	2	7	6	8	90-309	
MCR 2210	(MCR24013xMUTIKI2) xMUTIKI2	ZAMORANO	6	27	1	34	66	2	0	.	4	7	8	3	91-296	
MCR 2211	(MCR24013xMUTIKI2) xMUTIKI2	RED MEXICAN	6	32	1	33	68	.	0-N	.	6	7	8	3	91-292	
MCR 2301	VAR11x ((VAR11xMCR22012)xKARAMA1/2)	POMPADOUR	6M	35	1	32	72	3	0	.	3	7	7	5	90-339	
MCR 2404	ZAA39xMCR251-5	ROJO DE SEDA	6	45	1	35	74	8	0	.	5	8	8	4	91-263	
MCR 2405	ZAA39xMCR251-5	ROJO DE SEDA	6	43	1	35	71	8	0	.	2	7	8	3	91-264	
MCR 2406	CANWONDERxMCM2511	RED MEXICAN	6	40	1	32	67	8	0	.	4	8	8	4	91-293	
MCR 2407	CANWONDERxMCM2511	SANGRETORO	6	39	1	30	55	7	0	.	6	9	8	5	91-294	
MCR 2502	MCR2501-15xG21717	MISS KELLY	5M	35	1	29	63	8	0	.	3	8	7	7	89-192	
MCR 2504	MUTIKI2x ((MUTIKI2xMCR250115) xKARAMA1/2)	CALIMA	6M	40	1	32	71	8	0	.	6	7	5	5	90-271	
MCR 2505	(MCR22014xMUTIKI2) xMUTIKI2	CALIMA	6M	39	2B	32	80	8	0	.	6	6	5	6	90-272	
MCR 2506	MUTIKI2x (MCR22014xMUTIKI2)	CALIMA	6M	41	2B	33	70	8	0	.	2	6	5	7	90-273	
MCR 2507	CALIMAxDTIMOTI15-1	POMPADOUR	6M	37	1	31	71	8	0	.	4	8	7	6	90-340	
MCR 2508	CALIMAxDTIMOTI15-8	CALIMA	6M	33	1	29	63	8	0	.	3	7	6	7	90-274	
MCR 2509	CALIMAxDTIMOTI16-2	CALIMA	6M	35	1	28	65	8	0	.	3	7	7	5	90-275	
MCR 2510	CALIMAxDTIMOTI16-6	POMPADOUR	6M	37	1	31	70	8	0	.	6	8	6	7	90-341	
MCR 2511	CALIMAxDTIMOTI16-10	CALIMA	6M	53	1	29	63	8	0	.	5	7	7	6	90-276	
MCR 2512	CALIMAxDTIMOTI16-12	CALIMA	6M	28	1	30	63	6	0	.	7	7	4	5	90-277	
MCR 2513	CALIMAxDTIMOTI16-14	CALIMA	6M	38	2B	34	75	8	0	.	7	7	6	6	90-278	
MCR 2514	G4523x (MCR251-6xG4523)	CALIMA	6M	41	1	34	72	8	0	.	7	6	5	5	90-279	
MCR 2515	MUTIKI2x ((MUTIKI2xMCR22011) xMUTIKI2)	NIMA	6M	46	1	38	69	8	0	.	5	6	8	3	91-251	
MCR 2517	ZAA44xMCR251-5	POMPADOUR	6M	42	1	33	67	5	0	.	2	8	8	5	91-262	
MCR 3502	WAF9xMCM25111	SMALL WHITE	1	32	1	33	71	6	0	.	8	8	8	3	91-17	
MCR 4001	S25002x (MCR2501-15xG21717)	SUGAR	2M	29	1	30	68	8	0	.	1	7	7	5	90-148	
MCR 4002	G21715x (MCR251-6xG4523)	JALO/MANTECA	3	29	3B	32	73	1	0	.	6	7	6	5	90-166	
MCR 4003	A321xMCR251-9	BICO DE OURO	2	31	3A	32	75	8	0	.	1	6	7	8	90-62	
MCR 4004	(MCR2516xTOSTADO) xTOSTADO	LIBORINO	3R	31	1	35	84	8	0	.	7	7	5	6	90-175	
MCR 4005	G21716x (MCR2401-3xG4523)	PIRIRITA	2M	35	3B	31	75	8	0	.	4	7	7	8	90-143	
MCR 4006	G20554x (MCR2201-2xG21717)	SUGAR	2M	23	1	31	68	4	0	.	4	7	7	6	90-149	
MCR 4007	((ICARAMA1/2xMCR22012) xKARAMA1/2) xKARAMA1/	SUGAR	2M	37	1	33	61	4	0	.	4	8	8	5	91-68	
MCR 4008	(ICARAMA1/2xKARAMA1/2) x (MCR2201xKARAMA1/2)	SUGAR	2M	32	1	33	60	5	0	.	5	8	8	5	91-69	
MCR 4009	(ICARAMA1/2xKARAMA1/2) x (MCR2201xKARAMA1/2)	SUGAR	2M	34	1	33	61	3	0	.	4	7	8	5	91-70	
MCR 4010	A321x ((A321xMCR2519) xA321)	MULATINHO	2	25	2B	42	76	8	0-N	.	2	7	6	3	91-57	
MCR 4012	G3648x (G3648x (G3648xMCR2515))	CANARIO	3	36	1	31	68	1	0-N	.	5	8	8	3	91-78	
MCR 4013	URUBONOBONOx ((URUBONOBONOxMCR2519) xBOLABLAN	PIRIRITA	2R	26	3	36	70	8	0-N	.	5	7	8	5	91-61	
MCR 4014	SHIKASHIKEx ((SHIKASHIKExMCR2519) xMUTIKI2)	DORE	3	25	3	35	69	8	0	.	1	8	8	7	91-81	
MCR 4015	G21718x (MCR2501-15xG21717)		3	32	3	34	68	8	0	.	1	7	7	4	91-83	
MES 1	EMP189xIVT861157	NEGRO	8	21	2	38	74	.	N	.	1	7	5	5	92-702	
MES 2	EMP189xIVT861157	NEGRO	8	21	2	39	74	.	N	.	1	7	4	6	92-703	
MES 3	EMP189xIVT861157	NEGRO	8	20	2	37	67	.	N	.	1	8	4	6	92-704	
MES 4	PIJAOxIVT861157	NEGRO	8	17	2	38	69	.	N	.	6	7	3	5	92-705	
MES 5	G4524xIVT861158	NEGRO	8	19	2	38	66	.	N	.	5	8	3	6	92-706	
MES 6	PIJAOx (CALIMAxDNTIMOT310)	NEGRO	8	21	2	37	71	.	N	.	7	8	4	6	92-707	
MES 7	PIJAOx (CALIMAxDNTIMOT310)	NEGRO	8	22	2	38	73	.	N	.	6	8	5	5	92-708	
MES 8	PIJAOx (CALIMAxDNTIMOT292)	NEGRO	8	21	2	37	71	.	N	.	7	8	5	6	92-709	
MES 9	PIJAOx (CALIMAxDNTIMOT292)	NEGRO	8	20	2	37	67	.	N	.	7	8	7	6	92-710	
MES 10	TOPAZxIVT861160	PINTO	2P	27	2B	35	72	4	N	.	5	7	5	6	92-254	

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	VEF	IB
			col.	Wt	Hab	Fl	Mt	Pot	BCMV								Yr	Ent	YAN
MES	11	RAB59x(RAB59xMCM251-6)	A 21	6	26	2A	35	69	4	N	.	6	6	7	3	92-381
MES	12	CARIOCAxAFR392	CARIOCA	2J	32	3	36	76	.	NN	.	2	6	4	4	92-191
MES	13	CARIOCAxAFR392	CARIOCA	2J	26	2B	38	74	.	NN	.	1	6	6	4	92-192
MES	14	EMP189xGG228-20	NEGRO	8	17	2A	38	69	.	NN	.	7	7	7	5	92-711
MES	15	EXRICO23xAFR392	SMALL WHITE	1	23	2B	34	72	.	NN	.	2	7	7	5	92-155
MES	16	EXRICO23xAFR392	SMALL WHITE	1	24	2A	34	74	.	NN	.	4	8	7	5	92-156
MES	17	BAT338xAFR392	SMALL WHITE	1	23	2A	39	81	.	NN	.	1	7	7	4	92-157
MKL	1	A117xG17668	ESTRADA	5M	38	.	37	67	.	N	.	4	7	7	3	87-376
MKL	2	G5733xDOR362	MISS KELLY	5M	25	2A	37	62	.	N-M	.	6	.	6	5	89-261
MKL	3	DOR370xG5733	MISS KELLY	5M	23	2A	38	61	.	N	.	8	.	7	6	89-262
MKL	4	G5733xSEL918	MISS KELLY	5M	23	2A	33	63	3	NN	.	8	8	4	4	92-365
MKL	5	DOR370xG5733	MISS KELLY	5M	23	2A	33	66	2	NN	.	8	7	7	3	92-366
MOC	1	BAT44xIN25	.	.	.	.	.	.	.	NN	.	.	.	.	.	.
MOC	2	BAT338xIN25	.	.	.	.	.	.	.	NN	.	.	.	.	.	.
MOC	3	BAT338xIN25	.	.	.	.	.	.	.	NN	.	.	.	.	.	.
MOC	4	BAT93xIN25	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	5	G5066xIN25	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	6	A23xIN25	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	7	BAT1235xMOC4	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	8	A250xMOC30	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	9	BAT1235xMOC4	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	10	BAT1235xMOC4	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	11	MOC28xEMP92	SMALL WHITE	1	16	2	42	79	.	O	6	.	7	.	5	85-1114
MOC	12	MOC37xG3943	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	13	MOC37xG3943	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	14	MOC37xG3943	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	15	MOC37xG3943	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	16	MOC37xG3943	NAVY	1	21	3	36	73	.	N-M	9	5	7	6	7	85-1115
MOC	17	MOC37xG3943	.	.	.	.	.	.	.	N-M	.	.	.	.	.	.
MOC	18	MOC37xBAT841	.	.	.	.	.	.	.	N-M	.	.	.	.	.	.
MOC	19	BAT1367xMOC22	.	.	.	.	.	.	.	N-M	.	.	.	.	.	.
MOC	20	BAT44xIN25	.	.	.	.	.	.	.	N-M	.	.	.	.	.	.
MOC	21	BAT561xMOC2	SMALL WHITE	1	21	2	39	75	.	O	9	7	8	7	7	85-1116
MOC	22	G8066xG11271	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	23	G4421xG11271	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	24	BAT1235xMOC4	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	25	G14013xMOC3	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	26	G11271xG8066	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	27	G4421xG11271	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	28	BAT561xMOC2	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	29	BAT1155xMOC4	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	30	BAT1235xMOC4	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	31	BAT561xMOC2	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	32	MOC37xBAT841	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	33	G3128xG11271	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	34	BAT1061xMOC6	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	35	BAT1155xMOC5	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	36	G8066xG11271	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	37	G8066xG11271	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	38	G3128xG11271	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	39	G11271xG4421	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	40	A250xMOC30	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	41	MOC37xG3943	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	42	BAT1629xMOC34	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	43	BAT1554xMOC7	.	.	.	.	.	.	.	O	.	.	.	.	.	.
MOC	44	BAT1425xMOC7	.	.	.	.	.	.	.	O	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to				VEF				IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBE	ALS		Rust	Yr	Ent	YAN
MOC	45	BAT1425xMOC7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	46	BAT1369xIN37	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	47	MOC37xG3943	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	48	A171xMOC33	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	49	MOC37xBAT841	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	50	BAT338xIN25	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	51	BAT338xIN25	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	52	BAT44xIN25	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	53	BAT44xIN25	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	54	G4822x(G4822x(G4822xRAO17))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	55	IN65x(IN65x(IN65xRAO38))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	56	IN68x(IN68x(IN68xRAO38))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	57	G4090x(G4090x(G4090xRAB56))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	58	G14027x(G14027x(G14027xRAB49))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	59	G18249x(G18249x(G18249xRAB50))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	60	G17661x(G17661x(G17661xRAB49))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	61	G18249x(G18249x(G18249xRAB50))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	62	G5707x(G5707x(G5707xRAB203))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	63	G18266x(G18266x(G18266xPAD28))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	64	IN64x(IN64x(IN64xPVA567))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	65	G17661x(G17661x(G17661xRAB49))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	66	G17661x(G17661x(G17661xRAB49))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	67	G17661x(G17661x(G17661xRAB49))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	68	G14027x(G14027x(G14027xRAB49))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	69	G14027x(G14027x(G14027xRAB49))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	70	G14027x(G14027x(G14027xRAB49))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	71	G18452x(G18452x(G18452xRAO33))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	72	G18456x(G18456x(G18456xRAO33))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	73	G18456x(G18456x(G18456xRAO33))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	74	G18451x(G18451x(G18451xRAO33))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	75	G18451x(G18451x(G18451xRAO33))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	76	G18451x(G18451x(G18451xRAO33))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	77	G18451x(G18451x(G18451xRAO33))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	78	G18451x(G18451x(G18451xRAO33))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	79	G18454x(G18454x(G18454xBAT41))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	80	G18454x(G18454x(G18454xBAT41))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	81	G18453x(G18453x(G18453xG4495))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	82	G18453x(G18453x(G18453xG4495))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	83	G18453x(G18453x(G18453xG4495))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	84	G4090x(G4090x(G4090xRAB49))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	85	G4090x(G4090x(G4090xRAB56))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	86	G4090x(G4090x(G4090xRAB56))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	87	G4090x(G4090x(G4090xRAB56))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	88	G4090x(G4090x(G4090xRAB56))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	89	IN95x(IN95x(IN95xRAB49))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	90	IN95x(IN95x(IN95xRAB49))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	91	IN95x(IN95x(IN95xRAB49))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	92	IN95x(IN95x(IN95xRAB56))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	93	G18264x(G18264x(G18264xPAD28))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	94	G18264x(G18264x(G18264xPAD28))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	95	G18264x(G18264x(G18264xPAD28))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	96	IN64x(IN64x(IN64xPVA567))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	97	IN96x(IN96x(IN96xSEL744))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	98	IN96x(IN96x(IN96xSEL744))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	99	IN96x(IN96x(IN96xSEL744))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
MOC	100	IN96x(IN96x(IN96xSEL744))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to					VEF	IB					
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
MOC 101	IN115x (IN115x (G18249xRAB50))																
MOC 102	IN66x (IN66x (IN66xRAO38))																
MOC 103	G5707x (G5707x (G5707xRAB203))																
MOC 104	G5707x (G5707x (G5707xRAB203))																
MOC 105	G5707x (G5707x (G5707xRAB203))																
MUS 1	(G3664xG2045) x (G4792xG5694)																
MUS 2	BAT887xBAT76																
MUS 3	BAT245xBAT450																
MUS 4	BAT271xBAT76																
MUS 5	BAT861xBAT76																
MUS 6	BAT93xBAT1230																
MUS 7	XAN58xBAT1230																
MUS 8	G13921xSEL106																
MUS 9	(BAT821xBAT859) xBAT76																
MUS 10	(BAT821xBAT859) xBAT76																
MUS 11	G4495xBAT76	NEGRO	8	23	2	39	71	3	N	9	7	9	6	7	85-1121		
MUS 12	BAT67xG3788	NEGRO OPACO	8	25	3	38	71	1	N	7	7	8	8	9	85-1122		
MUS 13	BAT448xG4142	NEGRO OPACO	8	23	2	38	73	.	N	6	7	8	4	7	85-1123		
MUS 14	G4525xG4121	NEGRO OPACO	8	25	2	39	75	3	N	9	7	8	7	7	85-1124		
MUS 15	A40xG14026	HONDURAS 46	6	19	2B	39	66	2	N	9	7	7	6	7	86-159		
MUS 16	G14026xSEL269	ZAMORANO	6	27	2	34	61	.	N	.	6	7	8	7	87-493	89	
MUS 17	XAN112xG4485	NEGRO SEMIBRILLA	8	18	2	35	67	.	N	.	7	7	6	6	87-560		
MUS 18	G14026xSEL269	HONDURAS 46	6	26	2A	31	61	.	N	.	7	7	8	7	87-494		
MUS 19	A147xG14026	HONDURAS 46	6	24	2B	34	64	.	N	.	2	7	7	5	87-495		
MUS 20	G13920x (XAN87xDOR41)	NEGRO OPACO	8	22	2	35	67	1	N	8	8	7	7	6	87-561		
MUS 21	G4837xBAT1235	MEXICO 80	6	18	2	34	58	.	N	.	5	7	6	7	87-496		
MUS 22	G4495x (XAN112xG3627)	NEGRO OPACO	8	25	2	35	67	3	N	8	8	7	7	7	87-562		
MUS 23	G4837xBAT1235	MEXICO 80	6	21	2	34	58	2	N	9	8	7	7	8	87-497	89	
MUS 24	XAN90xBAT789	HONDURAS 46	6	21	2	35	65	1	N	8	8	7	8	7	87-498		
MUS 25	BAT1336xXAN90	HONDURAS 46	6	20	2	35	67	.	N	.	6	7	6	6	87-499		
MUS 26	XAN87xBAT1336	NEGRO OPACO	8	20	2	35	71	.	N	.	7	7	7	7	87-563		
MUS 27	BAT58xXAN112								N								
MUS 28	XAN112xG4525	NEGRO	8	25	2B	36	74	2	N	8	8	6	7	7	88-919		
MUS 29	DOR60xSEL601								N								
MUS 30	DOR44xSEL563								N								
MUS 31	BAT304xSEL476								N								
MUS 32	DOR42xSEL576								N								
MUS 33	DOR42xSEL579								N								
MUS 34	G4525xSEL530								N								
MUS 35	G4525xSEL531								N								
MUS 36	XAN19xSEL539								N								
MUS 37	BAT304xSEL448								N								
MUS 38	BAT896xBAT41								N								
MUS 39	BAT1369xBAT1412	CALIMA	7M	35	1	33	67	.	N	.	7	7	6	6	87-502		
MUS 40	SEL265xBAT1407	FRIJOLICA P11	6M	31	1	35	69	.	N	.	4	7	6	5	87-503		
MUS 41	BAT1345xBAT1407	FRIJOLICA P11	6M	41	1	36	72	3	N	8	5	5	6	3	87-504		
MUS 42	BAT1319xBAT1426	ESTRADA	5M	37	1	34	69	.	N	.	2	7	5	3	87-375		
MUS 43	G17722xBAT1412	NIMA	6M	26	1	34	70	3	N	8	7	6	7	5	87-505	89	
MUS 44	BAT1319xBAT1412	FRIJOLICA P11	6M	33	1	36	67	3	N	8	8	6	6	5	87-506		
MUS 45	BAT1345xBAT1407	FRIJOLICA P11	6M	42	1	37	73	.	N	.	3	7	6	5	87-507		
MUS 46	G4525xG4121	NEGRO OPACO	8	24	2	32	67	3	N	7	8	7	7	8	87-564		
MUS 47	G4495xBAT76	NEGRO OPACO	8	21	2	36	67	.	N	.	8	7	7	6	87-565		
MUS 48	G14026xSEL269	ZAMORANO	6	24	2	32	58	.	N-M	.	7	7	7	7	87-500		
MUS 49	G14026xSEL269	ZAMORANO	6	23	2	31	58	.	N	.	7	7	8	6	87-501		
MUS 50	G4495x (XAN112xG3627)	NEGRO OPACO	8	21	2	35	67	2	N	8	8	6	7	7	87-566		
MUS 51	G13920xG4485	NEGRO OPACO	8	19	2	35	67	1	N	8	8	6	7	7	87-567		

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV							Ent	YAN
MUS 52	BAT450xG4142	NEGRO OPACO	8	21	2	36	67	.	N	.	6	7	7	6	87-568		
MUS 53	XAN90xG18244		.	.	.	.	.	.	N	.	.	.	.	.
MUS 54	RAO29xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 55	DOR60x(A40xG18244)		.	.	.	.	.	.	N	.	.	.	.	.
MUS 56	G8685xBAT1320	HONDURAS 46	6	18	2A	36	71	1	N	9	7	7	7	5	88-507		
MUS 57	BAT1350xBAT1338		.	.	.	.	.	.	N	.	.	.	.	.
MUS 58	G14027xPAI113		.	.	.	.	.	.	N	.	.	.	.	.
MUS 60	G18244xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 61	G18244xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 62	G18244xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 63	G18244xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 64	RAO3xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 65	RAO3xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 66	RAO3xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 67	RAO3xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 68	RAO3xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 69	G18250xXAN112		.	.	.	.	.	.	N	.	.	.	.	.
MUS 70	XAN90xA40		.	.	.	.	.	.	N	.	.	.	.	.
MUS 71	MUS6xG18244		.	.	.	.	.	.	N	.	.	.	.	.
MUS 72	PAI113xG18244		.	.	.	.	.	.	N	.	.	.	.	.
MUS 73	RAO2xBAT1235		.	.	.	.	.	.	N	.	.	.	.	.
MUS 74	XAN176xIN63		.	.	.	.	.	.	N	.	.	.	.	.
MUS 75	XAN176xIN63		.	.	.	.	.	.	N	.	.	.	.	.
MUS 76	BAT930xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 77	MUS6xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 78	PAI114xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 79	PAI114xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 80	PAI114xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 81	A237x(XAN112xG3627)		.	.	.	.	.	.	N	.	.	.	.	.
MUS 82	PAI113xG18244		.	.	.	.	.	.	N	.	.	.	.	.
MUS 83	RAO29xXAN90	ZAMORANO	6	21	2B	36	66	.	M	.	8	5	7	2	90-401		
MUS 84	RAO2xBAT1235		.	.	.	.	.	.	M	.	.	.	.	.
MUS 85	NAG130xG13920	NEGRO	8	21	2B	36	72	.	N	8	7	6	7	4	88-874		
MUS 86	NAG130xMUS14	NEGRO	8	23	2B	36	72	3	N	8	8	7	7	6	88-875		
MUS 87	NAG130xG17654	NEGRO	8	23	2B	37	76	.	N	8	7	7	7	3	88-876		
MUS 88	NAG12xG20986	NEGRO	8	23	2B	37	76	.	N-M	8	8	6	7	5	88-877		
MUS 89	MUS11xNAG12	NEGRO	8	23	2B	37	76	3	N	8	8	7	8	7	88-878		
MUS 90	G17654xNAG12	NEGRO	8	22	2A	37	76	.	N	8	7	7	7	6	88-879		
MUS 91	G18244xXAN111	HONDURAS 46	6	21	2A	36	73	1	N	7	8	7	7	8	88-512		
MUS 92	G13920x(DOR60xG18244)	HONDURAS 46	6	22	2A	36	74	.	N	8	8	6	7	7	88-513		
MUS 93	DOR60x(RAO3xG18244)	HONDURAS 46	6	21	2N	38	62	.	N	.	7	.	5	7	89-325		
MUS 94	XAN90xG18244	RED MEXICAN	6	21	3	33	72	.	N	9	7	5	4	6	88-674		
MUS 95	RAO2xBAT1235	RED MEXICAN	6	27	3	34	62	.	N	.	6	5	7	7	89-436		
MUS 96	RAO29xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 97	BAT930xG14027	RED MEXICAN	6	22	2A	37	74	.	N	8	8	5	7	7	88-675		
MUS 98	RAO2xBAT1235		.	.	.	.	.	.	N	.	.	.	.	.
MUS 99	RAO2xBAT1235		.	.	.	.	.	.	N	.	.	.	.	.
MUS 100	BAT930xRAO27	MEXICO 80	6	23	2B	36	72	.	N	8	8	7	7	7	88-584		
MUS 101	BAT930xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 102	BAT930xRAO27		.	.	.	.	.	.	N	.	.	.	.	.
MUS 103	BAT1449xRAO2		.	.	.	.	.	.	N	.	.	.	.	.
MUS 104	G13920xA235	NEGRO OPACO	8	21	2	35	76	.	N	.	7	7	7	7	90-508		
MUS 105	XAN176xIN63	NEGRO OPACO	8	21	2A	35	71	1	N	.	8	4	7	7	90-509		
MUS 106	XAN176xIN63	NEGRO OPACO	8	15	2A	34	71	.	N-M	.	8	5	7	8	90-510		
MUS 107	XAN176xMUS14	NEGRO OPACO	8	23	2A	37	74	2	N	.	7	4	8	7	90-507		
MUS 108	NAG12xG20986	NEGRO OPACO	8	23	2A	36	76	.	N	.	7	7	7	8	90-511		

Line	Cross	Cult. type	Seed			Days to							VRF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
MUS 109	RAO3xG14026	ZAMORANO	6	27	2B	32	67	.	M-N	.	6	8	7	8	90-397	
MUS 110	RAO3xG14026	ZAMORANO	6	30	2B	34	67	.	N	.	7	8	7	8	90-398	
MUS 111	RAO3xG14026	ZAMORANO	6	25	2B	36	66	2	N	.	4	8	7	8	90-399	
MUS 112	A40xG14026		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 113	DOR60x(RAO3xG18244)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 114	XAN90xG18244	ZAMORANO	6	25	2B	34	72	.	N	.	1	7	7	8	90-400	
MUS 115	BAT930xRAO27	ZAMORANO	6	23	2B	36	71	.	N	.	8	7	7	8	90-419	
MUS 116	BAT930xRAO27	ZAMORANO	6	24	2A	36	69	.	N	.	8	7	7	8	90-420	
MUS 117	BAT930xRAO27		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 118	BAT930xRAO27		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 119	BAT930xRAO27		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 120	BAT930xRAO27		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 121	BAT930xRAO27	ZAMORANO	6	22	2A	35	68	.	N	.	7	7	8	8	90-421	
MUS 122	BAT930xRAO27		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 123	PAI114xRAO27		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 124	PAI114xRAO27		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 125	PAI114xRAO27		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 126	PAI114xRAO27		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 127	PAI114xRAO27		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 128	G18244xRAO27	MEXICO 80	6	24	2B	34	72	.	N	.	6	7	5	8	90-310	
MUS 129	DOR60-1x(DOR60-1x(DOR60-1x(APN18-1x...	NEGRO	8	24	2B	38	68	.	N	.	7	7	7	7	91-377	
MUS 130	MUS70xMUS80		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 131	MUS70xRAO27		.	.	.	.	.	.	N	.	.	.	.	.	.	.
MUS 132	SEL978xMUS46	NEGRO	8	20	2	38	69	.	N	.	6	7	5	6	92-712	
MUS 133	SEL979xXAN226	NEGRO	8	28	2B	31	67	.	M	.	8	7	6	6	92-713	
MUS 134	XAN226xMUS46	NEGRO	8	22	2A	38	67	.	N	.	7	7	5	6	92-714	
MUS 135	XAN226xMUS47	NEGRO	8	21	2A	38	67	.	N	.	7	7	7	7	92-715	
MUS 136	MUS46xRAO27	NEGRO	8	22	2A	38	69	.	N	.	6	7	7	7	92-716	
MUS 137	MUS46xRAO27	NEGRO	8	18	2A	38	70	.	N	.	7	8	7	7	92-717	
MUS 138	RAB47xMUS71	ZAMORANO	6	19	2A	36	68	.	N	.	7	7	7	4	92-598	
MUS 139	RAB47xMUS71	ZAMORANO	6	22	2A	38	70	.	N	.	6	7	6	4	92-599	
MUS 140	RAB47xMUS80	ZAMORANO	6	20	2A	38	69	.	N	.	5	7	4	4	92-600	
MUS 141	RAB47xMUS80	ZAMORANO	6	22	2A	38	69	.	N	.	8	7	7	5	92-601	
MUS 142	MUS70xMUS80	ZAMORANO	6	22	2A	37	68	.	N	.	8	7	7	4	92-602	
MUS 143	MUS70xMUS80	ZAMORANO	6	20	2A	37	68	.	N	.	6	7	7	4	92-603	
MUS 144	MUS70xMUS80	ZAMORANO	6	22	2A	36	69	.	N	.	6	7	7	4	92-604	
MUS 145	MUS70xRAB377	ZAMORANO	6	24	2	30	66	.	N	.	6	8	7	5	92-440	
MUS 146	MUS70xRAO27	ZAMORANO	6	19	2	34	68	.	N	.	7	7	7	6	92-605	
MUS 147	RAB377xRAO27	ZAMORANO	6	22	2A	31	67	.	N	.	7	7	7	4	92-606	
MUS 148	RAO27xBAT1449	ZAMORANO	6	18	2A	35	69	.	N	.	8	7	7	5	92-607	
MUS 149	(RAB47xMUS55)x(RAB404xBAT1449)	ZAMORANO	6	22	2	36	72	.	N	.	5	7	5	6	92-441	
MUS 150	(RAB47xMUS55)x(RAB404xBAT1449)	ZAMORANO	6	24	2	36	78	.	N	.	3	6	7	6	92-442	
MUS 151	(RAB47xMUS55)x(RAB404xBAT1449)	HONDURAS 46	6	24	2A	38	73	.	N	.	6	7	7	6	92-457	
MUS 152	(RAB47xMUS55)x(RAB404xBAT1449)	ZAMORANO	6	26	2	36	74	.	N	.	5	7	6	7	92-443	
MUS 153	(RAB47xMUS55)x(RAB404xBAT1449)	ZAMORANO	6	22	2B	36	71	.	N	.	5	7	6	7	92-608	
MUS 154	(RAB47xMUS71)x(MCD2004x(RAO29x(...	ZAMORANO	6	24	2B	34	73	.	N	.	1	7	7	7	92-609	
MUS 155	(RAB47xMUS71)x(MCD2004x(RAO29x(...	RED MEXICAN	6	26	2A	33	70	4	N	.	2	8	5	6	92-537	
MUS 156	(RAB47xBAT1449)x(RAB404x(RAO29x(...	ZAMORANO	6	19	2B	37	72	.	N	.	7	6	5	5	92-434	
MUS 157	(RAB47xBAT1449)x(RAB404x(RAO29x(...	ZAMORANO	6	25	2	36	77	.	N	.	7	6	5	4	92-444	
MUS 158	(MUS70xMUS80)x(SEL960xBAT1449)	HUETAR	6	17	2A	36	66	.	N	.	6	7	7	6	92-472	
MUS 159	(MUS70xRAB377)x(SEL960xBAT1449)	ZAMORANO	6	20	2	36	71	.	N	.	5	8	5	7	92-445	
MUS 160	(MUS70xRAO27)x(SEL960x(RAO29x(...	ZAMORANO	6	18	2	34	66	.	N	.	3	8	2	6	92-610	
MUS 161	(MUS82xMUS46)x(MCD2004xBAT1449)	ZAMORANO	6	19	2A	34	66	.	N	.	8	6	7	3	92-446	
MUS 162	(SEL960x(RAO29x(RAO29x(RAO29x...	HUETAR	6	20	2A	32	61	.	N	.	3	8	7	7	92-473	
MUS 163	(BAT1432x(BAT304x(BAT304x(BAT304x...	HUETAR	6	21	2B	36	70	.	N	.	5	8	7	6	92-474	
MUS 164	(RAB47xSEL980)x(G18252x(G13920x(...	NEGRO	8	18	2	34	66	.	N	.	7	7	7	6	92-718	

Line	Cross	Cult. type	Seed			Days to				VEF				IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS		Rust	Yr	Ent	YAN
MUS 165	(MUS55xRAO27)x(G18252x(BAT304x(...	NEGRO	8	20	2B	40	69	.	N	.	7	7	6	7	92-719	
MUS 166	(SEL978xRAO27)x(BAT271x(BAT271x...	NEGRO	8	24	2B	33	69	.	N	.	7	8	7	7	92-720	
MUS 167	(SEL979xXAN226)x(SEL960x(RAO29x(...	NEGRO	8	28	2B	35	70	.	N	.	1	7	3	7	92-721	
MUS 168	(SEL979xXAN226)x(SEL960x(RAO29x(...	NEGRO	8	20	2B	33	62	.	N	.	3	6	5	7	92-722	
MUS 169	(SEL979xXAN226)x(SEL960x(RAO29x(...	NEGRO	8	21	2B	34	63	.	N	.	5	7	5	7	92-723	
MUS 170	(SEL979xMUS47)x(BAT1432x(G13920x(...	NEGRO	8	19	2B	38	67	.	N	.	6	7	5	7	92-724	
MUS 171	(MUS71xMUS80)x(G18252x(BAT304x...	NEGRO	8	21	2B	38	71	.	N	.	6	7	6	6	92-725	
MUS 172	(MUS71xMUS80)x(G18252x(BAT304x...	NEGRO	8	20	2B	37	67	.	N	.	7	7	7	4	92-726	
MUS 173	(XAN226xMUS46)x(G18252x(G13920x(...	NEGRO	8	20	2	38	67	.	N	.	7	7	8	5	92-727	
MUS 174	(XAN226xMUS46)x(G18252x(G13920x(...	NEGRO	8	20	2	38	71	.	N	.	7	7	8	6	92-728	
MUS 175	(XAN226xMUS46)x(G18252x(G13920x(...	NEGRO	8	19	2	37	67	.	N	.	7	7	7	7	92-729	
MUS 176	(XAN226xMUS46)x(G18252x(G13920x(...	NEGRO	8	19	2	37	67	.	N	.	7	7	7	7	92-730	
MUS 177	(XAN226xMUS46)x(G18252x(G13920x(...	NEGRO	8	21	2A	36	66	.	N	.	7	7	7	6	92-731	
MUS 178	(XAN226xMUS46)x(G18252x(G13920x(...	NEGRO	8	20	2A	37	66	.	N	.	7	6	7	5	92-732	
MUS 179	(XAN226xMUS46)x(G18252x(G13920x(...	NEGRO	8	20	2A	38	66	.	N	.	8	7	7	6	92-733	
MUS 180	(XAN226xMUS46)x(G18252x(G13920x(...	NEGRO	8	19	2A	36	66	.	N	.	7	6	7	6	92-734	
MUS 181	(XAN226xMUS46)x(G18252x(G13920x(...	NEGRO	8	21	2A	38	67	.	N	.	7	6	7	6	92-735	
MUS 182	(XAN226xMUS46)x(G18252x(G13920x(...	NEGRO	8	16	2A	36	67	.	N	.	7	7	6	7	92-736	
MUS 183	(XAN226xRAO27)x((BAT271x(BAT271x(...	NEGRO	8	20	2B	38	69	.	N	.	7	7	5	6	92-737	
MUS 184	(XAN226xRAO27)x((BAT271x(BAT271x(...	NEGRO	8	20	2B	36	69	.	N	.	1	7	7	4	92-738	
MUS 185	(XAN226xRAO27)x((BAT271x(BAT271x(...	NEGRO	8	24	2A	37	69	.	N	.	7	5	7	6	92-739	
MUS 186	(MUS46xRAO27)x((BAT271x(BAT271x...	NEGRO	8	22	2A	38	71	.	N	.	7	7	7	5	92-740	
MUS 187	(MUS46xRAO27)x((BAT271x(BAT271x...	NEGRO	8	21	2B	38	71	.	N	.	7	7	5	5	92-741	
MUS 188	(MUS46xRAO27)x((BAT271x(BAT271x...	NEGRO	8	24	2A	36	71	.	N	.	7	7	7	5	92-742	
MUS 189	(MUS46xRAO27)x((BAT271x(BAT271x...	NEGRO	8	24	2A	36	69	.	N	.	7	7	7	6	92-743	
MUS 190	(MUS46xBAT1449)x(G18252x(BAT304x(...	NEGRO	8	20	2B	38	68	.	N	.	3	7	7	5	92-744	
MUS 191	(MUS46xBAT1449)x(G18252x(BAT304x(...	NEGRO	8	20	2B	38	69	.	N	.	1	7	3	5	92-745	
MUS 192	(BAT1432x(BAT304x(BAT304x(BAT304x...	NEGRO	8	20	2A	39	72	.	N	.	6	8	4	7	92-746	
MUS 193	((BAT271x(BAT271xRAB49))x(G13920x(...	NEGRO	8	24	2	36	71	.	N	.	6	8	5	6	92-747	
NAB 1	XAN147x(XAN147xG4525)	NEGRO	8	25	2A	34	66	.	N	.	6	8	7	8	89-615	
NAB 2	APN18xDOR60	NEGRO	8	26	2B	38	69	.	N	.	3	8	7	8	89-623	
NAB 3	XAN236x(BAT496xXAN143)	NEGRO	8	21	2A	39	68	.	N	.	1	.	4	8	89-598	
NAB 4	XAN236x(BAT496xNAG122)	NEGRO	8	18	2A	40	69	.	N	.	6	8	3	8	89-599	
NAB 5	((A283xBAT1311)x(G15416xXAN93))x(...	NEGRO	8	23	2A	40	69	.	N	.	6	8	6	8	89-637	
NAB 6	XAN125x(BAT85xA114)	NEGRO	8	28	2B	40	69	.	N	.	8	.	6	7	89-624	
NAB 7	(G4000x(A283xXAN112))x(G5059x(...	NEGRO	8	24	2A	39	66	.	N	.	5	7	6	8	89-625	
NAB 8	XAN13x(G4000xA21)	NEGRO	8	26	2B	38	67	.	N	.	5	7	7	8	89-600	
NAB 9	XAN13x(G4000xA21)	NEGRO	8	23	3	39	66	.	N	.	4	.	7	6	89-638	
NAB 10	XAN125x(BAT85xG4017)	NEGRO	8	23	3	39	67	.	N	.	2	.	5	4	89-639	
NAB 11	(BAT304x(A348xG5173))x(A457x(...	NEGRO	8	26	2B	39	66	.	N	.	5	.	7	4	89-626	
NAB 12	BAT336x((A154xBAT58)x(A83x...	NEGRO	8	23	2A	39	67	.	N	.	7	.	7	6	89-601	
NAB 13	(XAN125x(BAT85xG4017))x((A152x...	NEGRO	8	26	2B	38	66	.	N	.	4	.	7	7	89-627	
NAB 14	(G15416x(A83xXAN112))x(DOR306x(...	NEGRO	8	26	2B	40	68	.	N	.	5	.	7	7	89-640	
NAB 15	(G12727xBAT304)x(A321xBAT477)	NEGRO	8	24	2A	39	68	.	N	.	3	.	7	5	89-616	
NAB 16	BAT477x(G11893xA295)	NEGRO	8	24	2B	34	66	.	N	.	7	8	7	8	89-602	
NAB 17	((XAN112x(A301xBAT1631))x(A240x(...	NEGRO	8	24	2B	38	68	.	N	.	3	8	6	8	89-617	
NAB 18	((XAN112x(A301xBAT1631))x(A240x(...	NEGRO	8	21	2B	39	67	.	N	.	1	.	7	5	89-603	
NAB 19	BAT85x((A375xG17702)x(A445x...	NEGRO	8	25	3	38	66	.	N	.	6	.	7	8	89-628	
NAB 20	((BAT477xG4830)x(A283xEMP84))x((...	NEGRO	8	22	2A	38	67	.	N	.	3	8	7	8	89-604	
NAB 21	(A247xXAN112)x(BAT304x(BAT477x...	NEGRO	8	21	2B	34	61	.	N	.	7	.	5	7	89-641	
NAB 22	(A445xBAT76)x(BAT85x(A83x...	NEGRO	8	24	2A	39	66	.	N	.	6	.	6	7	89-618	
NAB 23	(G15416xBAT85)x(BAT76x(G11893x(...	NEGRO	8	23	2A	35	64	.	N	.	6	.	7	4	89-619	
NAB 24	BAT76x(G11893x(A303xXAN40))	NEGRO	8	23	2B	38	66	.	N	.	6	.	6	4	89-629	
NAB 25	(A70x(RAB25xG4000))x(G17706x...	NEGRO	8	24	2A	40	68	.	N	.	6	.	7	6	89-605	
NAB 26	((IN174xXAN112)x(IN175xA295))x(...	NEGRO	8	28	2B	39	62	.	N	.	6	.	6	8	89-630	
NAB 27	((IN174xXAN112)x(IN175xA295))x(...	NEGRO	8	30	2B	39	62	.	N	.	7	8	6	8	89-631	

Line	Cross	Cult. type	Seed			Days to								VEF Yr Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust
NAB 28	BAT304x(BAT304x(BAT304xRAB49))	NEGRO	8	23	3	34	74	.	N	.	7	7	8	6	91-662	
NAB 29	BAT304x(BAT304x(DOR62x(DOR62x...	NEGRO	8	21	2B	36	69	.	N	.	8	7	7	7	91-379	
NAB 30	BAT304x(BAT304x(DOR62x(DOR62x...	NEGRO	8	25	2B	38	69	.	N	.	5	7	8	7	91-380	
NAB 31	MUS47x(MUS47x(MUS47x(BAT76x(...	NEGRO	8	22	2B	41	74	.	N	.	6	7	8	7	91-381	
NAB 32	MUS47x(MUS47x(MUS47x(BAT76x(...	NEGRO	8	21	2B	41	72	.	N	.	7	7	8	7	91-382	
NAB 33	G13920xSEL997	NEGRO	8	20	2A	41	73	.	N	.	7	7	7	6	91-383	
NAB 34	G4830x(G4830x(G4830xA227))	NEGRO	8	19	2B	41	75	.	N	.	7	7	5	7	91-384	
NAB 35	BAT906x(BAT906x(BAT906xRAB49))	NEGRO	8	20	2A	41	75	.	N	.	4	7	7	6	91-385	
NAB 36	BAT906x(BAT906x(BAT906xRAB49))	NEGRO	8	19	2B	41	74	.	N	.	6	7	7	7	91-386	
NAB 37	NAG24x(NAG24x(NAG24xRAB49))	NEGRO	8	25	2B	42	68	.	N	.	6	7	7	7	91-387	
NAB 38	NAG24x(NAG24x(NAG24xRAB49))	NEGRO	8	23	2B	41	68	.	N	.	3	7	7	7	91-388	
NAB 39	NAG24x(NAG24x(NAG24xRAB49))	NEGRO	8	22	2B	38	67	.	N	.	6	7	8	6	91-389	
NAB 40	BAT75x(BAT75x(BAT75xRAB49))	NEGRO	8	19	2B	42	75	.	N	.	5	7	8	7	91-390	
NAB 41	DOR308x(IN104x(EMP84x(A227x...	NEGRO	8	22	2B	40	78	.	N	.	7	7	8	7	91-663	
NAB 42	DOR308x(IN104x(EMP84x(A227x...	NEGRO	8	22	2B	39	76	.	N	.	7	7	7	7	91-664	
NAB 43	DOR308x(BAT76x(BAT76x(BAT76x...	NEGRO	8	19	2B	42	69	.	N	.	5	7	5	7	91-393	
NAB 44	XAN190x(IN104x(EMP84x(A227x...	NEGRO	8	19	2A	38	69	.	N	.	2	7	3	6	91-394	
NAB 45	XAN190x(IN104x(EMP84x(A227x...	NEGRO	8	24	2A	39	70	.	N	.	5	7	7	6	91-395	
NAB 46	XAN202x(IN104x(IN130x(A227x...	NEGRO	8	22	2A	39	73	.	N	.	6	7	7	7	91-396	
NAB 47	XAN202x(IN104x(IN130x(A227x...	NEGRO	8	21	2B	42	75	.	N	.	6	7	7	7	91-397	
NAB 48	DOR308x(BAT271x(DOR62x(DOR62x...	NEGRO	8	19	2B	41	71	.	N	.	7	5	7	6	91-398	
NAB 49	XAN210x(BAT76x(BAT76xRAB49))	NEGRO	8	20	2B	38	73	.	N	.	6	7	7	6	91-399	
NAB 50	XAN210x(BAT76x(BAT76xRAB49))	NEGRO	8	21	3	41	71	.	N	.	7	7	7	6	91-400	
NAB 51	A227xMUS13	NEGRO	8	22	2B	41	74	.	N	.	6	7	5	6	91-401	
NAB 52	EMP84x(EMP84x(A227xG4821))	NEGRO	8	21	2B	41	73	.	N	.	6	7	7	7	91-402	
NAB 53	BAT75x(BAT75x(BAT75xRAB49))	NEGRO	8	25	2B	33	57	.	N	.	6	7	8	7	91-403	
NAB 54	G3017x(BAT271x(BAT271xBAT496))	NEGRO	8	24	3	40	66	.	N	.	1	7	7	7	91-404	
NAB 55	MCD2004x(NAG24x(NAG24xRAB49))	NEGRO	8	26	3	35	67	.	N	.	5	7	6	7	91-405	
NAB 56	MCD2004x(IN130x(IN130x(A227x...	NEGRO	8	30	2B	35	67	.	N	.	6	7	5	7	91-406	
NAB 57	MCD2004x(IN104x(EMP84x(A227x...	NEGRO	8	25	3	38	69	.	N	.	7	7	6	7	91-407	
NAB 58	MCD2004x(IN104x(IN130x(A227x...	NEGRO	8	23	3	38	68	.	N	.	5	7	6	7	91-408	
NAB 59	MCD2004x(IN104x(IN130x(A227x...	NEGRO	8	25	3	38	68	.	N	.	7	7	4	6	91-409	
NAB 60	MCD2004x(IN104x(IN130x(A227x...	NEGRO	8	24	3	36	69	.	N	.	7	7	6	7	91-410	
NAB 61	XAN210x(BAT76x(BAT76xRAB49))	NEGRO	8	21	2A	40	67	.	N	.	4	7	7	6	91-411	
NAB 62	XAN210x(BAT76x(BAT76xRAB49))	NEGRO	8	22	3	40	68	.	N	.	4	7	8	6	91-412	
NAB 63	XAN210x(BAT76x(BAT76xRAB49))	NEGRO	8	22	2B	41	68	.	N	.	3	7	7	4	91-413	
NAB 64	XAN210x(BAT76x(BAT76xRAB49))	NEGRO	8	20	2B	39	68	.	N	.	4	7	7	5	91-414	
NAB 65	XAN196x(BAT429x(A252xIN97))	NEGRO	8	21	2B	41	73	.	N	.	6	7	8	7	91-415	
NAB 66	XAN196x(A295xAPN18)	NEGRO	8	20	2A	41	69	.	N	.	7	6	7	2	91-416	
NAB 67	XAN180x(RAB404x(IN97x(IN97x...	NEGRO	8	20	2B	41	69	.	N	.	7	6	7	7	91-417	
NAB 68	XAN180x(RAB404x(IN97x(IN97x...	NEGRO	8	27	2B	41	72	.	N	.	7	6	7	7	91-418	
NAB 69	XAN180x(RAB404x(IN97x(IN97x...	NEGRO	8	26	2A	38	68	.	N	.	7	5	2	7	91-419	
NAB 70	XAN205x(IN97x(IN97xBAT496))	NEGRO	8	22	2B	38	71	.	N	.	2	7	7	6	91-420	
NAB 71	G18252x(G18460x(IN134x(RAB49x...	NEGRO OPACO	8	22	2A	36	75	.	N	.	7	7	6	4	93-542	
NAB 72	RAB404x(G11893x(BAT271x(BAT271x...	NEGRO SEMIBRILLA	8	28	2B	38	79	.	N	.	7	7	7	7	93-543	
NAB 73	SEL1169x((RAB404xG18252)x(BAT477x(...	NEGRO OPACO	8	22	2B	36	77	.	N	.	8	7	8	5	93-544	
NAB 74	SEL1169x((RAB404xG18252)x(BAT477x(...	NEGRO OPACO	8	22	2B	36	75	.	N	.	7	6	8	4	93-545	
NAB 75	SEL1169x((RAB404xG18252)x(BAT477x(...	NEGRO OPACO	8	24	2B	36	77	.	N	.	7	5	8	4	93-546	
NAB 76	SEL1169x((RAB404xG18252)x(BAT477x(...	NEGRO OPACO	8	20	2B	36	77	.	N	.	6	7	6	4	93-547	
NAB 77	SEL1169x((RAB404xG18252)x(BAT477x(...	NEGRO OPACO	8	21	2B	36	77	.	N	.	7	5	7	4	93-548	
NAB 78	SEL1169x((RAB404xG18252)x(BAT477x(...	NEGRO OPACO	8	20	2A	34	72	.	N	.	8	7	8	5	93-549	
NAB 79	SEL1169x((RAB404xG18252)x(BAT477x(...	NEGRO OPACO	8	19	2B	36	77	.	N	.	6	5	8	5	93-550	
NAB 80	SEL1169x((RAB404xG18252)x(BAT477x(...	NEGRO OPACO	8	21	2B	36	77	.	N	.	6	6	7	5	93-551	
NAB 81	SEL1173x(((BAT271x(BAT271x(G4821x...	NEGRO OPACO	8	20	2A	38	77	.	N	.	4	6	7	3	93-552	
NAB 82	SEL1173x(((BAT271x(BAT271x(G4821x...	NEGRO OPACO	8	24	2A	35	77	.	N	.	3	6	7	3	93-553	
NAB 83	NAG181x(IN100x(A682xG6384))	NEGRO OPACO	8	24	2A	37	77	.	N	.	6	5	7	3	93-554	

Line	Cross	Cult. type	Seed			Days to							VEF		IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
NAB 84	NAG181x(IN100x(A682xG6384))	NEGRO OPACO	8	23	2A	36	75	.	N	.	7	6	7	4	93-555	
NAB 85	NAG181x(IN100x(A682xG6384))	NEGRO OPACO	8	23	2A	36	77	.	N	.	7	5	8	4	93-556	
NAB 86	NAG181x(IN100x(A682xG6384))	NEGRO OPACO	8	22	2A	36	77	.	N	.	7	4	7	4	93-557	
NAB 87	NAG181x(DOR364x(G4017xDOR368))	NEGRO OPACO	8	21	2A	36	77	.	N	.	1	4	5	3	93-558	
NAB 88	NAG181x(DOR364x(G4017xDOR368))	NEGRO OPACO	8	21	2A	36	75	.	N	.	2	4	7	3	93-559	
NAB 89	NAG181x(DOR364x(G4017xDOR368))	NEGRO OPACO	8	24	2A	37	77	.	N	.	5	4	7	3	93-560	
NAB 90	NAG181x(DOR364x(G4017xDOR368))	NEGRO OPACO	8	21	2A	35	72	.	N	.	5	4	8	4	93-561	
NAB 91	NAG181x(DOR364x(G4017xDOR368))	NEGRO OPACO	8	24	2A	33	72	.	N	.	6	5	6	5	93-562	
NAB 92	NAG181x(DOR364x(G4017xDOR368))	NEGRO OPACO	8	21	2A	36	73	.	N	.	4	5	6	5	93-563	
NAB 93	NAG181x(DOR364x(G4017xDOR368))	NEGRO OPACO	8	23	2A	35	77	.	N	.	2	4	7	4	93-564	
NAB 94	NAG181x(G18479x(A602xG4397))	NEGRO OPACO	8	24	2B	34	77	.	N	.	1	6	5	4	93-565	
NAB 95	NAG181x(G18479x(A602xG4397))	NEGRO OPACO	8	24	2B	38	79	.	N	.	1	6	6	5	93-566	
NAB 96	G13920x(G13920x(G13920xG984))	NEGRO OPACO	8	20	2A	37	77	.	N	.	3	6	5	6	93-567	
NAB 97	G13920x(G13920x(G13920xG2333))	NEGRO OPACO	8	20	2A	34	77	.	N	.	1	7	8	6	93-568	
NAB 98	BAT304x(BAT304x(BAT304xG15416))	NEGRO OPACO	8	20	2B	34	72	.	N	.	1	7	8	5	93-569	
NAB 99	G4525x(G4525x(G3807xG4525))	NEGRO OPACO	8	21	2A	37	79	.	N	.	4	7	7	7	93-570	
NAB 100	(BAT271x(BAT271xRAB49))xBAT1432	NEGRO OPACO	8	20	2B	35	77	.	N	.	4	7	7	7	93-571	
NAB 101	(BAT271x(BAT271xRAB49))xBAT1432	NEGRO OPACO	8	19	2A	35	77	.	N	.	6	6	7	7	93-572	
NAB 102	SEL1169x((RAB404xG18252)x(BAT477x(...	NEGRO OPACO	8	21	2A	35	77	.	N	.	4	6	7	4	93-573	
NAB 103	SEL1169x((RAB404xG18252)x(BAT477x(...	NEGRO OPACO	8	22	2A	35	77	.	N	.	1	6	7	3	93-574	
NAC 1	G4525xEMP84	NEGRO	8	22	2B	38	67	.	N	.	7	.	7	7	89-632	
NAC 2	G18252xBAT308	NEGRO	8	21	2A	35	63	.	N	.	7	.	7	5	89-620	
NAC 3	G18252xG4489	NEGRO	8	23	3	39	69	.	N	.	7	.	6	4	89-633	
NAC 4	BAT58xG4525	NEGRO	8	23	2B	34	62	.	N	.	7	.	7	5	89-606	
NAC 5	BAT58x(BAT58xG17648)	NEGRO	8	22	3	38	67	.	N	.	8	8	6	8	89-634	
NAC 6	BAT58x(BAT58xG4525)	NEGRO	8	22	2B	38	66	.	N	.	7	.	7	6	89-607	
NAC 7	DOR60-1x(DOR60-1x(DOR60-1x(APN18-1x...	NEGRO	8	23	2B	39	68	.	N	.	7	7	7	6	91-421	
NAC 8	DOR60-1x(DOR60-1x(DOR60-1x(APN18-1x...	NEGRO	8	22	2B	39	70	.	N	.	6	7	7	7	91-422	
NAC 9	(SEL978xMUS46)x(RAB404x(RAO29x(...	NEGRO	8	23	2A	36	72	.	N	.	7	7	7	4	92-748	
NAC 10	(SEL978xMUS46)x(RAB404x(RAO29x(...	NEGRO	8	21	2A	36	72	.	N	.	6	6	4	4	92-749	
NAG 1	BAT881xBAT338	NEGRO	8	16	2B	41	72	1	N	8	7	7	2	3	83-29	
NAG 2	BAT820xBAT76	NEGRO	8	19	2B	43	74	1	N	9	7	7	3	1	83-30	
NAG 3	BAT820xBAT76	NEGRO	8	18	2B	43	74	1	N	9	8	8	5	3	83-31	
NAG 4	BAT883xBAT332	NEGRO	8	16	2A	43	72	1	N	9	6	8	2	1	83-2	
NAG 5	BAT883xBAT332	NEGRO	8	17	2A	43	74	1	N	7	6	7	2	3	83-3	85
NAG 6	BAT883xBAT332	NEGRO	8	16	2A	43	74	2	N	9	6	8	2	3	83-4	85
NAG 7	BAT883xBAT332	NEGRO	8	17	2A	43	74	1	N	9	6	8	2	3	83-5	
NAG 8	DOR13xBAT450	NEGRO	8	20	2B	37	75	1	N	8	7	8	4	3	83-32	85
NAG 9	BAT450xSEL4	NEGRO	8	22	2B	37	74	3	N	9	6	8	5	1	83-33	
NAG 10	BAT450xSEL5	NEGRO	8	20	2B	41	76	2	N	9	6	7	5	3	83-34	
NAG 11	BAT445xSEL4	NEGRO	8	23	2B	40	76	3	N	8	6	8	4	3	83-35	
NAG 12	BAT445xSEL4	NEGRO	8	24	2A	42	77	4	N	8	6	8	3	1	83-6	85
NAG 13	BAT445xSEL4	NEGRO	8	23	2A	40	76	3	N	8	6	8	3	3	83-7	85
NAG 14	BAT445xSEL4	NEGRO	8	22	2A	41	76	3	N	8	6	8	2	7	83-8	
NAG 15	BAT445xBAT1188	NEGRO	8	24	2B	42	77	1	N	7	8	8	3	3	83-36	84
NAG 16	BAT445xSEL5	NEGRO	8	22	2A	42	76	1	N	8	7	8	4	3	83-9	85
NAG 17	BAT445xSEL5	NEGRO	8	20	2B	40	76	1	N	8	8	7	5	5	83-37	
NAG 18	(BAT882xBAT338)xDOR41	NEGRO	8	19	2A	37	72	4	N	8	8	8	1	5	83-10	
NAG 19	BAT48xBAT338	NEGRO	8	20	2B	36	74	.	N	8	7	8	2	1	83-38	
NAG 20	BAT482xBAT589	NEGRO	8	22	2B	35	74	1	N	8	6	8	6	1	83-39	84
NAG 21	BAT947xBAT424	NEGRO	8	19	2B	36	74	.	N	8	7	8	4	3	83-40	
NAG 22	G4489xBAT260	NEGRO	8	18	2B	40	74	5	N	8	6	8	3	1	83-41	
NAG 23	BAT1102xBAT1061	NEGRO	8	20	2B	43	76	3	N	8	7	7	6	1	83-42	
NAG 24	EMP81xG4525	NEGRO	8	20	2A	42	72	2	N	8	8	8	4	3	83-11	
NAG 25	EMP81xG4525	NEGRO	8	20	2B	43	72	2	N	8	7	8	3	3	83-43	
NAG 26	DOR44xG4421	NEGRO	8	18	2B	42	72	1	N	8	8	8	5	5	83-44	84

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
NAG 27	BAT1202xBAT448	NEGRO	8	22	2B	42	74	1	N	8	5	8	6	3		83-45	85
NAG 28	BAT1202xBAT448	NEGRO	8	20	2B	43	74	2	N	8	5	8	7	1		83-46	85
NAG 29	BAT1202xBAT522	NEGRO	8	21	2B	47	77	3	N	7	6	8	7	5		83-47	
NAG 30	BAT1230xBAT522	NEGRO	8	22	2A	46	66	1	N	9	6	8	6	5		83-12	
NAG 31	BAT1230xBAT522	NEGRO	8	19	2B	42	75	2	N	9	5	8	6	5		83-48	
NAG 32	BAT1225xBAT522	NEGRO	8	18	2B	37	72	2	N	8	4	8	5	5		83-49	
NAG 33	BAT896x(BAT820xBAT332)	NEGRO	8	17	2B	43	77	1	N	9	6	7	4	3		83-50	
NAG 34	BAT1061xBAT1225	NEGRO	8	23	3B	41	74	.	N	9	9	7	6	3		83-102	
NAG 35	G13500x(BAT47xBAT1155)	NEGRO	8	20	2B	45	75	.	N	9	7	5	2	5		83-51	
NAG 36	BAT528x(BAT47xBAT1155)	NEGRO	8	18	2B	40	77	1	N	9	6	6	5	5		83-52	
NAG 37	BAT15xG14022	NEGRO OPACO	8	25	2	48	86	2	M-N	7	7	9	4	5		84-5	
NAG 38	BAT448xG14022	NEGRO	8	20	2B	43	71	1	N	8	6	7	3	3		83-53	
NAG 39	BAT448xG14023	NEGRO	8	21	2B	43	74	1	N	8	6	8	4	3		83-54	85
NAG 40	BAT448xG14023	NEGRO	8	20	2B	42	72	1	N	7	7	8	2	1		83-55	
NAG 41	BAT448xG14023	NEGRO	8	19	2B	42	72	1	N	8	7	8	2	3		83-56	
NAG 42	G13920xG14023	NEGRO	8	21	2A	42	77	1	N	9	6	9	6	5		83-13	84
NAG 43	BAT64xEMP90	NEGRO	8	17	2B	41	76	2	N	9	6	7	5	1		83-57	85
NAG 44	BAT64xEMP90	NEGRO	8	21	2B	37	77	1	N	9	6	8	5	3		83-58	84
NAG 45	BAT336xBAT522	NEGRO	8	19	2B	39	72	3	N	7	5	7	3	1		83-59	
NAG 46	BAT336xBAT522	NEGRO	8	19	2B	40	72	3	N	7	6	7	5	3		83-60	85
NAG 47	BAT336xBAT522	NEGRO	8	20	3A	41	77	.	N	9	8	7	4	1		83-97	
NAG 48	BAT338x(BAT40xBAT1102)	NEGRO	8	20	3B	39	72	.	N	9	5	8	7	1		83-103	
NAG 49	BAT522xEMP90	NEGRO	8	18	3B	36	72	3	N	9	5	8	5	1		83-104	
NAG 50	BAT76xXAN82	NEGRO	8	19	3B	37	72	4	N	9	8	6	4	5		83-105	
NAG 51	BAT332xXAN82	NEGRO	8	20	2A	40	72	2	N	9	5	4	3	3		83-14	85
NAG 52	BAT332xXAN82	NEGRO	8	20	2A	41	72	2	N	9	5	4	3	3		83-15	85
NAG 53	A161xBAT1320	NEGRO	8	18	2A	44	81	.	N	6	7	8	6	5		83-1	
NAG 54	BAT44xBAT1320	NEGRO	8	18	3A	44	85	5	N	9	7	8	7	3		83-98	
NAG 55	BAT271xBAT1320	NEGRO	8	19	3A	43	77	.	N	9	8	7	4	1		83-99	84
NAG 56	BAT271xBAT1320	NEGRO	8	18	2B	43	77	.	N	9	9	9	6	3		83-61	
NAG 57	BAT271xBAT1320	NEGRO	8	18	2A	41	74	.	N	9	8	7	1	3		83-16	
NAG 58	BAT448xBAT1320	NEGRO	8	27	2B	42	71	.	N	8	6	7	4	3		83-62	
NAG 59	BAT1155xBAT1320	NEGRO	8	17	2B	42	76	.	N	9	6	8	3	3		83-63	
NAG 60	G3645xBAT1320	NEGRO	8	18	2A	42	74	1	N	9	8	7	1	7		83-17	
NAG 61	G3645xBAT1320	NEGRO	8	17	2A	42	74	1	N	8	7	8	2	5		83-18	85
NAG 62	BAT64xBAT451	NEGRO	8	18	2A	42	76	.	N	9	7	9	3	3		83-19	
NAG 63	BAT64xBAT451	NEGRO	8	18	2B	45	74	.	N	9	7	9	2	3		83-64	
NAG 64	BAT64xBAT522	NEGRO	8	17	2B	43	74	.	N	8	6	8	4	3		83-65	
NAG 65	BAT64xBAT522	NEGRO	8	19	2B	36	72	1	N	8	7	8	3	3		83-66	85
NAG 66	BAT304xBAT67	NEGRO	8	20	2B	35	72	.	N	9	8	8	4	3		83-67	84
NAG 67	BAT304xBAT67	NEGRO	8	17	2B	34	76	.	N	9	6	9	3	3		83-68	
NAG 68	BAT304xBAT67	NEGRO OPACO	8	22	2B	43	76	.	N	9	6	9	6	5		83-106	
NAG 69	BAT304xBAT461	NEGRO	8	17	2B	39	72	.	N	9	6	8	3	1		83-69	
NAG 70	BAT304xBAT461	NEGRO	8	20	2B	40	74	3	N	9	8	8	4	3		83-70	85
NAG 71	G3627xBAT76	NEGRO	8	19	2B	40	72	1	N	9	6	8	4	3		83-71	85
NAG 72	G3627xBAT76	NEGRO	8	18	2B	42	77	.	N	9	7	7	2	5		83-72	
NAG 73	G3627xBAT448	NEGRO	8	17	2A	43	76	.	N	7	6	8	3	7		83-20	
NAG 74	G3627xBAT448	NEGRO	8	21	2B	42	74	.	N	7	6	7	3	3		83-73	
NAG 75	G3627xBAT448	NEGRO OPACO	8	18	2B	45	76	1	N	8	6	8	6	5		83-7	86
NAG 76	G3627xBAT448	NEGRO	8	19	2A	43	74	2	N	8	7	8	3	7		83-21	85
NAG 77	G4495xBAT304	NEGRO	8	21	2B	36	72	.	N	8	7	9	6	5		83-75	84
NAG 78	G4495xBAT304	NEGRO	8	22	2B	35	72	.	N	8	8	8	4	5		83-76	
NAG 79	G4495x(BAT271xBAT76)	NEGRO	8	21	2B	40	74	.	N	8	8	8	3	7		83-77	
NAG 80	G4525xBAT1320	NEGRO	8	26	2A	42	76	1	N	9	7	7	4	7		83-22	85
NAG 81	G4525xBAT1320	NEGRO	8	19	2B	42	74	1	N	9	6	9	4	1		83-78	85
NAG 82	G4525xBAT1320	NEGRO OPACO	8	19	2A	45	82	.	N	9	7	8	6	5		83-23	

Line	Cross	Cult. type	Seed			Days to									VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust			Yr	Ent	YAN
NAG 83	G4525xBAT1320	NEGRO	8	17	2B	42	77	.	N	9	7	8	4	5	83-79	
NAG 84	G4486x(G4486xG5694)								N							
NAG 85	G1805xBAT448	NEGRO	8	25	3A	37	72	.	N	7	9	8	5	1	83-100	
NAG 86	BAT448xG2618	NEGRO	8	22	2B	43	77	.	N	9	2	7	7	5	83-80	
NAG 87	BAT450xSEL4	NEGRO OPACO	8	23	2B	47	82	3	N	7	6	8	6	3	84-9	86
NAG 88	BAT450xSEL5								N							
NAG 89	EMP81xG4525	NEGRO OPACO	8	26	2	49	81	1	N	6	8	9	5	7	84-10	
NAG 90	BAT448xG14022								N							
NAG 91	BAT448xG14023	NEGRO OPACO	8	26	2A	50	82	1	N	7	6	8	6	5	84-11	86
NAG 92	BAT336xBAT522	NEGRO OPACO	8	20	3	47	81	1	N	7	7	8	7	3	84-12	
NAG 93	BAT336xBAT522								N							
NAG 94	A176xBAT1320	NEGRO OPACO	8	21	2A	48	87	2	N	7	6	8	5	3	84-13	86
NAG 95	SEL191xXAN93	NEGRO OPACO	8	23	2A	46	83	1	N	7	5	8	5	5	84-14	86
NAG 96	BAT1265xBAT1230	NEGRO OPACO	8	19	2	47	82	.	N	7	8	7	6	7	84-15	
NAG 97	DOR41xBAT304	NEGRO OPACO	8	20	2	46	82	.	N	7	6	9	6	7	84-16	
NAG 98	DOR41xBAT304	NEGRO OPACO	8	23	2B	46	82	3	N	7	6	8	5	7	84-17	86
NAG 99	DOR41xBAT304	NEGRO OPACO	8	22	2B	47	80	.	N	7	6	9	6	5	84-18	
NAG 100	DOR44xBAT1198	NEGRO OPACO	8	24	2B	48	80	.	N	7	6	7	6	7	84-19	
NAG 101	DOR44xBAT1198	NEGRO OPACO	8	21	2	48	79	.	N	7	7	8	6	7	84-20	
NAG 102	DOR44xBAT1198	NEGRO OPACO	8	25	2A	50	80	.	N	7	7	9	6	7	84-21	
NAG 103	DOR44xBAT1198	NEGRO OPACO	8	23	2	48	80	.	N	7	6	8	6	5	84-22	
NAG 104	DOR44xBAT1198	NEGRO OPACO	8	21	2	47	80	.	N	7	6	9	6	5	84-23	
NAG 105	DOR44xBAT1198	NEGRO OPACO	8	22	2A	50	80	2	N	7	7	9	6	7	84-24	86
NAG 106	G4486xG4489	NEGRO OPACO	8	19	3	37	68	.	N		8	8	4	9	85-1126	
NAG 107	BAT1264xBAT1320	NEGRO OPACO	8	25	3	41	75	.	N	6	7	8	7	3	85-1127	
NAG 108	BAT44xBAT1320	NEGRO OPACO	8	19	3	41	76	8	N	9	6	8	8	5	85-1128	
NAG 109	BAT304xXAN80	NEGRO BRILLANTE	8	18	2	37	68	.	N	7	7	6	5	5	85-1129	
NAG 110	BAT1061xBAT1320	NEGRO OPACO	8	18	2A	41	76	.	N	6	5	5	5	7	85-1130	
NAG 111	XAN87xBAT76	NEGRO OPACO	8	19	2A	37	68	.	N	7	7	7	6	7	85-1131	
NAG 112	XAN112xBAT76	NEGRO OPACO	8	19	2A	38	68	.	N	7	5	5	4	5	85-1132	
NAG 113	XAN112xBAT76	NEGRO OPACO	8	18	2A	39	68	.	N	7	5	8	6	5	85-1133	
NAG 114	XAN41xDOR44	NEGRO OPACO	8	23	2	37	68	.	N	6	5	7	6	9	85-1134	
NAG 115	EMP84xXAN87	NEGRO OPACO	8	20	2	37	68	.	N	7	6	5	5	5	85-1135	
NAG 116	EMP84xXAN112	NEGRO OPACO	8	21	2	36	68	.	N	7	8	8	6	7	85-1136	
NAG 117	EMP84xXAN112	NEGRO OPACO	8	22	2	36	71	.	N	7	4	7	5	7	85-1137	
NAG 118	EMP101xXAN40	NEGRO OPACO	8	22	3	39	75	.	M	7		6	5	7	85-1138	
NAG 119	BAT76xXAN16	NEGRO OPACO	8	20	2	40	73	3	N	8	8	8	6	7	85-1139	
NAG 120	BAT1554xXAN112	NEGRO OPACO	8	21	2	37	71	.	N	8	8	6	7	5	85-1140	
NAG 121	BAT1320xG4485	NEGRO OPACO	8	17	2A	41	75	1	N	9	7	8	7	5	85-1141	87
NAG 122	BAT1320xG4485	NEGRO OPACO	8	18	2	41	77	1	N	8	6	8	7	7	85-1142	87
NAG 123	DOR44xXAN19	NEGRO OPACO	8	21	3	37	68	1	N	8	7	8	7	6	85-1143	
NAG 124	DOR44xG15416	NEGRO OPACO	8	19	2	40	71	2	N	8	7	8	7	6	85-1144	
NAG 125	BAT67x(BAT1320xXAN58)	NEGRO BRILLANTE	8	19	2	39	68	.	N	8	5	5	5	5	85-1145	87
NAG 126	DOR41xEMP109	NEGRO OPACO	8	22	2	36	71	.	N	8	7	8	5	5	85-1146	
NAG 127	DOR60xEMP109	NEGRO OPACO	8	24	2	39	71	1	N	8	7	8	6	7	85-1147	
NAG 128	G3645xXAN117	NEGRO OPACO	8	19	2	37	68	.	N	8		7	6	7	85-1148	
NAG 129	G4495xXAN117	NEGRO OPACO	8	18	2B	36	68	.	N	8	6	7	6	5	85-1149	
NAG 130	G4495xXAN117	NEGRO OPACO	8	20	2B	36	68	.	N	8	6	7	6	5	85-1150	
NAG 131	DOR41xBAT1552	NEGRO OPACO	8	17	2B	37	71	.	N	8	7	8	7	3	85-1151	
NAG 132	BAT1554xA235	NEGRO OPACO	8	17	2	41	73	.	N	8	5	9	6	5	85-1152	
NAG 133	BAT1554xA235	NEGRO OPACO	8	16	2	39	73	.	N	8	5	9	7	7	85-1153	
NAG 134	BAT76xBAT448	NEGRO OPACO	8	15	2	40	68	.	N	8	5	7	6	5	85-1154	
NAG 135	BAT1554xA221	NEGRO OPACO	8	17	2	39	72	.	N	8	4	9	6	5	85-1155	
NAG 136	BAT1554xA210	NEGRO OPACO	8	16	2	39	73	.	N	8	6	8	6	5	85-1156	
NAG 137	BAT1554xA210	NEGRO OPACO	8	19	3	39	73	.	N	7	6	9	5	5	85-1157	
NAG 138	BAT1554xA237	NEGRO OPACO	8	19	2	42	71	.	N	7	4	9	5	5	85-1158	

Line	Cross	Cult. type	Seed			Days to										VRF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Rmp	Ant	CBB	ALS	Rust	Yr			Ent	YAN
NAG 139	BAT1554xBAT76	NEGRO OPACO	8	17	2	39	71	.	N	7	5	9	6	5	85-1159		
NAG 140	BAT1662xBAT448	NEGRO OPACO	8	20	2	41	71	.	N	7	6	8	4	5	85-1160		
NAG 141	BAT1662xBAT448	NEGRO OPACO	8	18	2A	41	73	.	N	7	5	8	4	5	85-1161		
NAG 142	BAT1662xBAT448	NEGRO OPACO	8	18	2	40	73	1	N	8	6	8	7	8	85-1162		
NAG 143	G4495x(XAN112xG3627)	NEGRO OPACO	8	24	2	37	71	3	N	9	8	8	6	7	85-1163		
NAG 144	G4495x(XAN112xG3627)	NEGRO OPACO	8	22	2	37	71	3	N	9	7	7	7	6	85-1164	87	
NAG 145	G4495x(XAN112xG3627)	NEGRO OPACO	8	26	2	37	71	3	N	9	8	8	7	6	85-1165	87	
NAG 146	EMP84x(XAN112xG3627)	NEGRO OPACO	8	24	2	37	71	1	N	9	5	7	8	7	85-1166	87	
NAG 147	A237x(XAN112xG3627)	NEGRO OPACO	8	20	2	37	73	.	N	7	7	6	5	5	85-1167		
NAG 148	A220x(XAN87xG3627)	NEGRO OPACO	8	20	2	37	73	1	N	8	7	9	7	6	85-1168		
NAG 149	G4525xBAT1432	NEGRO OPACO	8	20	2	39	68	.	N	6	5	9	4	5	85-1169		
NAG 150	DOR42xBAT1554	NEGRO OPACO	8	15	2	42	76	1	N	9	6	9	7	7	85-1170		
NAG 151	EMP86xXAN19	NEGRO OPACO	8	15	2	36	68	.	N	6	7	5	5	9	85-1171		
NAG 152	DOR60x(XAN87xDOR41)	NEGRO OPACO	8	19	2	37	68	.	N	6	7	5	4	5	85-1172		
NAG 153	DOR42xBAT1554	NEGRO OPACO	8	17	2	39	77	.	N	6	5	7	6	7	85-1173		
NAG 154	G4525xBAT1432	NEGRO OPACO	8	23	2	37	73	1	N	8	7	8	8	5	85-1174		
NAG 155	BAT448x(BAT1320xXAN58)	NEGRO OPACO	8	21	2	39	73	.	N	6	7	8	6	5	85-1175		
NAG 156	EMP84xXAN112	NEGRO OPACO	8	25	2B	35	69	3	N	9	2	7	7	6	86-53		
NAG 157	DOR44xXAN112	NEGRO OPACO	8	22	2B	31	66	2	N	9	7	8	7	8	86-54		
NAG 158	BAT947xBAT424	NEGRO BRILLANTE	8	20	2B	36	72	.	N	8	6	8	7	7	86-55		
NAG 159	BAT64xEMP90	NEGRO OPACO	8	19	2B	38	70	.	N	9	4	8	6	4	86-56		
NAG 160	BAT64xXAN40	NEGRO OPACO	8	23	2B	41	74	.	N-M	9	7	8	6	8	86-57		
NAG 161	A176xBAT304	NEGRO OPACO	8	22	2B	36	67	.	N	9	3	8	7	5	86-58		
NAG 162	EMP84xXAN87	NEGRO OPACO	8	20	2B	37	69	.	N	9	4	7	6	8	86-59		
NAG 163	BAT1432xXAN112	NEGRO OPACO	8	20	2B	41	73	.	N	9	5	7	6	8	86-60		
NAG 164	G4525xBAT1432	NEGRO OPACO	8	17	2B	41	73	.	N	9	6	8	7	7	86-61		
NAG 165	BAT1554xA210	NEGRO OPACO	8	19	2B	41	71	.	N	9	5	8	6	7	86-62		
NAG 166	BAT304xDOR62	NEGRO OPACO	8	23	2B	38	71	.	N	9	7	8	6	8	86-63		
NAG 167	BAT304xDOR62	NEGRO OPACO	8	22	2B	36	70	.	N	9	6	7	7	7	86-64		
NAG 168	BAT1554xEMP84	NEGRO OPACO	8	22	2B	40	70	.	N	9	7	7	6	8	86-65		
NAG 169	BAT1554xBAT1432	NEGRO OPACO	8	22	2B	29	56	.	M-N	9	7	6	6	8	86-66		
NAG 170	G3645xXAN86	NEGRO OPACO	8	22	3	36	68	3	N	9	7	6	6	7	86-67		
NAG 171	A176xBAT304	NEGRO OPACO	8	23	2B	36	68	.	N	9	1	7	6	4	86-68		
NAG 172	BAT448x(G8105xG4169)	NEGRO OPACO	8	24	2B	39	70	.	N	9	3	7	6	7	86-69		
NAG 173	DOR44xXAN102	NEGRO OPACO	8	22	2B	39	71	.	N	9	7	7	6	4	86-70		
NAG 174	DOR44xXAN102	NEGRO OPACO	8	24	2B	36	68	2	N	8	7	7	7	7	86-71		
NAG 175	BAT1554xXAN112	NEGRO OPACO	8	22	2A	35	67	2	N	8	7	6	7	8	86-72		
NAG 176	G4142xXAN112	NEGRO OPACO	8	21	2B	37	68	4	N	8	7	6	6	6	86-73		
NAG 177	A176xBAT304	NEGRO OPACO	8	22	2B	39	73	.	N	8	5	7	6	8	86-74		
NAG 178	XAN112xBAT76	NEGRO OPACO	8	21	2B	39	72	.	N	8	6	7	7	5	86-75		
NAG 179	BAT58xG5652	NEGRO OPACO	8	23	2B	37	69	.	M-N	9	7	8	7	8	86-76		
NAG 180	DOR41xG5652	NEGRO OPACO	8	21	2B	38	71	.	N	9	7	8	6	4	86-77		
NAG 181	EMP84x(XAN112xG3627)	NEGRO OPACO	8	24	2B	38	71	.	N	8	3	8	6	7	86-78		
NAG 182	BAT332xDOR41	NEGRO OPACO	8	18	2B	40	71	.	N	9	4	8	7	7	86-79		
NAG 183	BAT1432xG10863	NEGRO OPACO	8	20	2B	40	73	.	N	8	7	8	6	7	86-80		
NAG 184	BAT1554xEMP84	NEGRO OPACO	8	18	2A	42	71	.	N	8	7	8	6	7	86-81		
NAG 185	DOR146xXAN112	NEGRO OPACO	8	21	2B	39	72	4	N	9	7	6	7	8	86-82		
NAG 186	XAN87xDOR15	NEGRO OPACO	8	22	2B	39	72	.	N	9	6	8	7	7	86-83		
NAG 187	XAN87xDOR15	NEGRO OPACO	8	21	2B	39	72	.	N	9	6	8	7	7	86-84		
NAG 188	BAT1320xEMP100	NEGRO OPACO	8	18	2B	39	68	.	N	9	7	8	6	7	86-85		
NAG 189	G4525xBAT1432	NEGRO OPACO	8	21	2A	39	71	.	N	9	7	8	6	6	86-86		
NAG 190	BAT1432x(XAN112xG3627)	NEGRO OPACO	8	19	2B	39	72	.	N	8	7	7	6	7	86-87		
NAG 191	BAT1554xG4830	NEGRO OPACO	8	20	2A	39	71	.	N	9	5	7	6	7	86-88		
NAG 192	BAT1554xBAT304	NEGRO OPACO	8	19	2A	39	68	.	N	9	6	8	7	6	86-89		
NAG 193	BAT1554xBAT1647	NEGRO OPACO	8	18	2A	39	71	.	N	9	6	8	6	7	86-90		
NAG 194	BAT1647xG8519	NEGRO OPACO	8	18	3	41	73	.	N-M	9	8	8	6	7	86-91		

Line	Cross	Cult. type	Seed			Days to					VEF			IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS		Rust	Yr	Ent	YAN
NAG 195	G4830xEMP84	NEGRO OPACO	8	19	2A	39	72	.	N	9	2	8	7	7	86-92	
NAG 196	DOR41xXAN112		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 197	BAT58xXAN112		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 198	BAT64xEMP90		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 199	MOC3xBAT1647		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 200	BAT332xDOR41		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 201	BAT1662xBAT1554		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 202	BAT1647xA210		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 203	A176xBAT1320		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 204	DOR60xBAT76		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 205	BAT1554xG4830		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 206	BAT58xA210		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 207	BAT1554xG4830		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 208	XAN112xG4525		.	.	.	.	.	.	N	.	.	.	.	.	.
NAG 209	XAN108x (DOR15xDOR146)	NEGRO	8	20	2B	36	75	1	N	8	8	5	7	6	88-927	
NAG 210	(XAN87xDOR15)x (BAT1647xA235)	NEGRO	8	24	2A	36	74	1	N	7	7	6	7	7	88-930	89
NAG 211	G4830x (BAT1647xA176)	NEGRO	8	21	2A	36	73	1	N	8	5	7	7	7	88-932	89
NAG 212	DOR15xSEL647	NEGRO	8	25	2B	33	72	2	N	8	7	6	8	7	88-936	
NAG 213	MUS14xXAN112	NEGRO	8	29	2A	33	72	4	N	8	8	6	7	7	88-814	
NAG 214	G4525xSEL675	NEGRO	8	22	2B	36	76	1	N	8	8	6	7	6	88-833	
NAG 215	BAT304xSEL722	NEGRO	8	25	2B	32	72	.	N	8	8	6	7	4	88-842	
NAG 216	BAT304xSEL719	NEGRO	8	21	3	33	72	1	N	8	8	7	7	6	88-843	
NAG 217	BAT1554xA221	NEGRO	8	16	2A	41	74	1	N	8	9	6	6	5	88-856	
NAG 218	BAT338xBAT1647	NEGRO	8	19	2B	35	72	2	N	8	7	7	7	5	88-918	
NAG 219	BAT58xA231	NEGRO	8	23	2B	38	76	.	N	8	8	6	7	5	88-920	
NAG 220	BAT58xA231	NEGRO	8	19	2B	37	75	1	N	8	7	7	7	3	88-921	
NAG 221	BAT1647xA231	NEGRO	8	23	2B	37	76	.	N	8	8	6	7	3	88-922	
NAG 222	BAT1647xG8519	NEGRO	8	20	2B	37	74	1	N	8	2	7	7	5	88-923	89
NAG 223	XAN108x (BAT58xA231)	NEGRO	8	19	2B	36	74	3	N	8	8	5	7	5	88-924	
NAG 224	XAN108x (DOR15xBAT1432)	NEGRO	8	18	2B	38	.	4	N	8	8	6	7	4	88-925	
NAG 225	XAN108x (DOR15xDOR60)	NEGRO	8	24	2B	33	72	.	N	8	7	6	7	3	88-926	
NAG 226	(BAT58xG8519)x (DOR146xXAN112)	NEGRO	8	24	2B	33	70	3	N	8	8	6	8	6	88-928	
NAG 227	(BAT58xG8519)x (DOR146xXAN112)	NEGRO	8	23	2B	33	70	4	N	8	8	6	7	7	88-929	
NAG 228	G4830x (BAT1647xA176)	NEGRO	8	24	2A	36	76	2	N	8	7	6	7	7	88-931	
NAG 229	DOR44xSEL493	NEGRO	8	22	2B	37	75	2	N	8	8	6	7	7	88-934	
NAG 230	BAT304xSEL447	NEGRO	8	21	2A	37	75	.	N	9	8	6	8	7	88-935	
NAG 231	DOR15xSEL648	NEGRO	8	20	2B	34	72	.	N	8	8	6	7	7	88-937	
NAG 232	DOR15xSEL649	NEGRO	8	23	2B	34	72	.	N	9	7	6	7	7	88-938	
NAG 233	DOR41xSEL615	NEGRO	8	23	2B	36	72	.	N	9	8	6	7	6	88-801	
NAG 234	DOR41xSEL615	NEGRO	8	22	2B	36	72	3	N	8	7	7	7	7	88-802	
NAG 235	DOR41xSEL625	NEGRO	8	21	2A	36	70	1	N	9	8	5	7	7	88-803	
NAG 236	DOR44xSEL620	NEGRO	8	22	2A	36	68	1	N	9	8	6	7	7	88-804	
NAG 237	DOR60xSEL607	NEGRO	8	25	2B	35	70	.	N	9	7	6	7	7	88-805	
NAG 238	G4525xSEL673	NEGRO	8	22	2A	35	68	2	N	8	8	6	7	7	88-806	
NAG 239	G4525xSEL675	NEGRO	8	26	2B	35	76	1	N	8	7	5	7	7	88-807	
NAG 240	G18252xXAN91	NEGRO	8	20	2A	38	75	1	N	8	9	5	6	5	88-808	
NAG 241	MUS11xXAN112	NEGRO	8	24	2B	36	75	.	N	8	8	6	7	7	88-809	
NAG 242	MUS11xXAN112	NEGRO	8	25	2B	36	72	3	N	8	8	5	7	7	88-810	
NAG 243	MUS12xXAN112	NEGRO	8	25	2A	33	68	.	N	8	7	6	7	4	88-811	
NAG 244	MUS13xXAN112	NEGRO	8	23	2A	37	72	4	N	8	6	6	7	7	88-812	89
NAG 245	MUS14xXAN112	NEGRO	8	25	2B	33	72	3	N	9	8	5	7	7	88-813	
NAG 246	XAN87xG18244	NEGRO	8	22	2B	32	62	1	N	9	7	7	8	7	88-815	
NAG 247	DOR44xSEL722	NEGRO	8	24	2B	36	76	1	N	8	7	5	7	6	88-816	
NAG 248	DOR44xSEL722	NEGRO	8	25	2B	37	76	.	N	8	7	6	7	6	88-817	
NAG 249	DOR44xSEL719	NEGRO	8	20	2B	36	70	2	N	7	8	5	7	6	88-818	89
NAG 250	DOR15xSEL722	NEGRO	8	24	2B	36	72	1	N	9	8	6	8	7	88-819	

Line	Cross	Cult. type	Seed			Days to							Yr	VEF Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB				ALS	Rust
NAG 251	BAT58xSEL722	NEGRO	8	24	2B	36	76	1	N	9	7	6	7	5	88-820	
NAG 252	BAT58xSEL721	NEGRO	8	22	2B	33	76	3	N	9	8	6	7	5	88-821	
NAG 253	BAT58xSEL718	NEGRO	8	20	2B	36	76	.	N	9	8	6	7	5	88-822	
NAG 254	BAT58xSEL718	NEGRO	8	19	2B	33	70	.	N	9	8	6	7	3	88-823	
NAG 255	BAT58xSEL718	NEGRO	8	23	2B	33	70	.	N	9	7	6	7	3	88-824	
NAG 256	BAT58xSEL724	NEGRO	8	20	2B	37	76	1	N	9	8	5	7	4	88-825	
NAG 257	G4495xSEL718	NEGRO	8	23	2A	36	72	.	N	8	8	6	7	7	88-826	
NAG 258	XAN93xG18256	NEGRO	8	19	2A	36	70	1	N	8	9	6	8	7	88-827	
NAG 259	DOR290xXAN112	NEGRO	8	28	2B	36	74	.	N	8	8	6	8	5	88-828	
NAG 260	XAN112x(RAB35xBAT41)	NEGRO	8	26	2A	32	72	3	N	9	8	5	7	8	88-829	
NAG 261	DOR41xSEL616	NEGRO	8	18	2B	36	76	.	N	9	8	6	7	7	88-939	
NAG 262	DOR60xSEL607	NEGRO	8	25	2B	33	70	1	N	8	8	5	7	7	88-830	
NAG 263	DOR60xSEL613	NEGRO	8	22	2B	37	70	1	N	8	8	6	7	7	88-831	
NAG 264	G4525xSEL675	NEGRO	8	26	2B	34	70	1	N	8	7	6	7	7	88-832	
NAG 265	G18252xXAN87	NEGRO	8	20	3	37	74	1	N	9	9	7	7	5	88-834	
NAG 266	A429xG17648	NEGRO	8	24	2A	36	70	.	N	8	7	6	8	5	88-835	
NAG 267	DOR44xSEL722	NEGRO	8	24	2A	36	76	1	N	7	7	5	7	7	88-836	
NAG 268	DOR44xSEL722	NEGRO	8	24	2B	36	76	.	N	8	8	6	7	7	88-837	
NAG 269	DOR44xSEL719	NEGRO	8	18	2B	37	72	.	N	8	8	6	7	6	88-838	
NAG 270	DOR15xSEL722	NEGRO	8	24	2B	35	75	.	N	8	7	7	7	6	88-839	
NAG 271	DOR15xSEL720	NEGRO	8	20	2B	36	74	2	N	8	8	5	7	5	88-840	
NAG 272	G4525xSEL719	NEGRO	8	24	2A	37	75	.	N	8	7	6	7	6	88-841	
NAG 273	G4495xSEL721	NEGRO	8	26	2B	34	72	3	N	8	8	6	7	7	88-844	
NAG 274	G4495xSEL718	NEGRO	8	25	2B	36	72	.	N	8	8	7	7	5	88-845	
NAG 275	DOR60xSEL623	NEGRO	8	21	2B	36	74	.	N	8	8	7	7	6	88-846	
NAG 276	DOR60xSEL623	NEGRO	8	20	2B	36	75	1	N	8	8	6	7	6	88-847	
NAG 277	XAN93xG4294	NEGRO	8	21	2B	37	74	.	N	9	8	6	7	5	88-848	
NAG 278	G18256xG4294	NEGRO	8	27	2A	37	76	1	N	8	7	5	7	7	88-849	
NAG 279	G13920x(G13920x(G13920x(G13920x(...	NEGRO	8	20	2A	37	76	1	N	8	8	6	7	6	88-850	
NAG 280	G13920x(G13920x(G13920x(G13920x(...	NEGRO	8	22	2A	36	76	1	N	8	8	6	7	6	88-851	
NAG 281	G13920x(G13920x(G13920x(G13920x(...	NEGRO	8	21	2A	36	74	.	N	8	7	6	7	7	88-852	
NAG 282	BAT1554xBAT304	NEGRO	8	16	2	42	72	.	N	8	7	7	8	3	88-857	
NAG 283	BAT1554xBAT1647	NEGRO	8	17	2B	37	72	.	N	9	7	7	4	3	88-858	
NAG 284	BAT1647xXAN112	NEGRO	8	20	2B	37	72	.	N	9	8	7	7	3	88-859	
NAG 285	BAT1647xXAN112	NEGRO	8	19	2B	36	70	.	N	9	8	6	7	3	88-860	
NAG 286	G4830x(BAT1647xBAT1432)	NEGRO	8	19	2B	37	72	.	N	9	8	6	7	4	88-861	
NAG 287	XAN87xG4525	NEGRO	8	21	2B	37	75	1	N	8	8	6	8	7	88-862	
NAG 288	BAT1647xA231	NEGRO	8	23	2A	37	75	1	N	9	6	7	7	6	88-863	
NAG 289	G4142xXAN112	NEGRO	8	26	2B	37	76	3	N	8	8	5	7	7	88-864	
NAG 290	XAN108x(DOR15xBAT1432)	NEGRO	8	17	2B	37	78	4	N	8	8	4	7	5	88-865	
NAG 291	XAN87xG13920	NEGRO	8	23	2B	36	75	1	N	8	8	5	7	7	88-866	
NAG 292	XAN145xNAG104	NEGRO	8	19	2B	37	75	1	N	8	7	4	8	7	88-867	
NAG 293	G13920x(G13920x(G13920x(G13920x(...	NEGRO	8	25	2	36	75	.	N	8	8	6	7	7	88-868	
NAG 294	BAT58xA235	NEGRO	8	19	2B	37	76	1	N	8	8	7	7	3	88-869	
NAG 295	DOR60xG18459	NEGRO	8	26	2B	33	62	.	N	.	7	.	6	7	89-608	
NAG 296	BAT477xNAG168	NEGRO	8	25	2A	38	62	.	N	.	8	.	7	3	89-642	
NAG 297	XAN105xBAT1432	NEGRO	8	21	2A	38	62	.	N	.	7	8	7	8	89-643	
NAG 298	(XAN202xBAT906)xG4449	NEGRO	8	22	2A	38	67	.	N	.	7	.	6	4	89-609	
NAG 299	G18460xXAN205	NEGRO	8	24	2B	39	62	.	N	.	8	.	7	6	89-610	
NAG 300	G18460xXAN205	NEGRO	8	25	2B	39	62	.	N	.	6	.	7	8	89-635	
NAG 301	(BAT304x(XAN112xBAT304))xXAN205	NEGRO	8	20	2B	38	63	.	N	.	7	.	6	4	89-611	
NAG 302	XAN236xIN97	NEGRO	8	22	2A	39	66	.	N	.	8	.	7	3	89-621	
NAG 303	A321x(XAN236xBAT179)	NEGRO	8	27	3	34	61	.	N	.	5	7	7	8	89-636	
NAG 304	APN18xDOR60	NEGRO	8	25	2B	39	70	.	N	.	7	6	5	7	91-423	
NAG 305	G18479x(APN42xAPN92)	NEGRO	8	22	2B	41	69	.	N	.	7	7	7	7	91-424	
NAG 306	APN83xIN123	NEGRO	8	21	2B	38	70	.	N	.	6	7	7	7	91-425	

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
NAG 307	SEL729xBAT1554	NEGRO	8	21	2A	41	71	.	N	.	5	7	7	7	91-426	
NAG 308	SEL729xBAT1554	NEGRO	8	23	2B	42	71	.	N	.	6	7	7	7	91-427	
NAG 309	G5270xEMP81	NEGRO	8	21	2B	41	74	.	N	.	6	7	7	5	91-428	
NAG 310	G5270xNAG20	NEGRO	8	22	2A	43	75	.	N	.	6	7	7	7	91-429	
NAG 311	BAT1554xNAG20	NEGRO	8	21	2B	39	74	.	N	.	6	7	7	6	91-430	
NAG 312	BAT1554xNAG20	NEGRO	8	23	2A	38	71	.	N	.	6	7	7	6	91-431	
NAG 313	BAT1554xNAG20	NEGRO	8	19	2A	42	73	.	N	.	6	7	7	7	91-432	
NAG 314	G17632xNAG20	NEGRO	8	20	2A	41	70	.	N	.	7	7	7	5	91-433	
NAG 315	BAT58x(RAB435xG17632)	NEGRO	8	21	2B	39	70	.	N	.	7	7	7	5	91-434	
NAG 316	DOR241x(RAB175xG5270)	NEGRO	8	21	2B	39	70	.	N	.	6	7	7	6	91-435	
NAG 317	NAG181x(BAT1474xG5270)	NEGRO	8	25	2A	39	69	.	N	.	7	6	7	7	91-436	
NAG 318	NAG181x(BAT1474xG5270)	NEGRO	8	22	2A	38	69	.	N	.	7	6	7	7	91-437	
OBA 1	TIB33411xG7385	NIMA	6M	21	2A	.	.	.	M	.	6	.	3	3	89-356	
OBN 1	G11821xG12488	CRANBERRY	2M	36	4A	45	116	.	M	9	2	8	7	3	88-1018	
OBN 2	G5702xG12488	CRANBERRY	2M	43	4A	45	116	.	M	8	1	7	7	2	88-1019	
OBN 3	G5702xG12488	CRANBERRY	2M	39	4A	52	116	.	M	8	1	7	7	2	88-1020	
OBN 4	G11821xG12488	CRANBERRY	2M	38	4B	45	116	.	M	8	2	8	8	4	88-1021	
OBN 5	G11821xG12488	CARGAMANTO	2M	36	4B	45	116	.	M	8	1	5	8	4	88-996	
OBN 6	G11821xG12488	CRANBERRY	2M	38	4A	45	116	.	M	8	2	8	8	4	88-1022	
OBN 7	G5702xG12488	CRANBERRY	2M	41	4A	52	116	.	M	8	2	6	7	3	88-1023	
OBN 8	G5702xG12488	CRANBERRY	2M	37	4A	52	121	.	M	8	1	7	7	3	88-1024	
OBN 9	G11821xG12727	CARGAMANTO	2M	48	4A	45	116	8	M	8	3	5	7	3	88-997	
OBN 10	G11821xG12488	CARGAMANTO	2M	40	4A	45	116	.	M	8	2	6	8	3	88-998	
OBN 11	G11821xG12488	CRANBERRY	2M	36	4A	45	116	.	M	9	2	6	7	3	88-1025	
OBN 12	G11821xG12488	CARGAMANTO	2M	31	4A	45	136	.	M	8	1	5	7	3	88-999	
OBN 13	G11821xG12488	CARGAMANTO	2M	39	4A	38	104	.	M	8	4	7	7	4	88-1000	
OBN 14	G5702xG12488	CARGAMANTO	2M	37	4A	48	116	.	M	8	3	4	7	3	88-1001	
OBN 15	G11821xG12488	CRANBERRY	2M	31	4A	45	116	.	M	9	2	7	7	2	88-1026	
OBN 16	G11821xG12488	CARGAMANTO	2M	33	4A	45	116	.	M	8	2	6	7	3	88-1002	
OBN 17	G5702xG12488	CARGAMANTO	2M	42	4B	52	126	.	M	8	2	5	7	2	88-1003	
OBN 18	G11821xG12488	CARGAMANTO	2M	42	4B	45	106	.	M	8	1	6	7	4	88-1004	
OBN 19	G11821xG12488	CARGAMANTO	2M	43	4A	45	116	.	M	8	3	7	7	4	88-1005	
OBN 20	G11821xG12488	CARGAMANTO	2M	42	4A	45	116	.	M	9	2	6	6	3	88-1006	
OBN 21	G5702xG12488	CARGAMANTO	2M	.	4B	52	.	.	M	9	1	7	7	2	88-1007	
OBN 22	G5702xG12488	LLANOGRANDE	2R	38	4B	45	.	.	M	9	1	7	7	4	88-1032	
OBN 23	G5702xG12488	CARGAMANTO	2R	49	4B	52	116	8	M	9	6	5	7	2	88-1008	
OBN 24	G11821xG12488	LLANOGRANDE	2R	49	4A	42	116	8	M	9	1	7	7	2	88-1033	
OBN 25	G5702xG12488	LLANOGRANDE	2R	49	4A	45	116	8	M	9	2	7	7	2	88-1034	
OBN 26	G5702xG12488	LLANOGRANDE	2R	43	4B	45	116	.	M	9	1	7	7	2	88-1035	
OBN 27	G11821xG12488	LLANOGRANDE	2R	40	4A	45	116	.	M	9	1	7	6	3	88-1036	
OBN 28	G11821xG12488	LLANOGRANDE	2R	43	4A	45	116	.	M	9	5	7	8	2	88-1037	
OBN 29	G11821xG12488	POMPADOUR	6M	36	4A	45	116	.	M	9	1	7	7	2	88-1079	
OBN 30	G11821xG12488	POMPADOUR	6M	36	4A	45	116	.	M	9	1	7	8	3	88-1080	
OBN 31	G11821xG12488	POMPADOUR	6M	35	4A	45	116	.	M	8	1	7	8	2	88-1081	
OBN 32	G11821xG12488	POMPADOUR	6M	33	4A	45	116	.	M	8	3	7	8	4	88-1082	
OBN 33	G11821xG12488	NIMA	6M	37	4B	45	.	.	M	8	1	7	7	3	88-1066	
OBN 34	G11821xG12488	POMPADOUR	6M	36	4A	45	116	.	M	8	3	7	8	3	88-1083	
OBN 35	G11821xG12488	POMPADOUR	6M	.	4B	45	116	.	M	8	4	7	8	3	88-1084	
OBN 36	G11821xG12488	POMPADOUR	6M	34	4A	45	116	.	M	8	4	7	8	5	88-1085	
OBN 37	G11821xG12488	POMPADOUR	6M	46	4B	45	116	.	M	8	2	6	8	3	88-1086	
OBN 38	G11821xG12488	MWEZI MOJA	7M	51	4A	36	116	.	M	9	6	6	7	2	88-1243	
OBN 39	G11820xV79018	SANGRETORO	6	38	4A	45	116	.	M	9	1	7	7	5	88-1157	
OBN 40	G11820xV79018	SANGRETORO	6	36	4A	45	116	.	M	9	1	6	7	3	88-1158	
OBN 41	G11820xV79018	SANGRETORO	6	37	4A	45	116	.	M	9	1	6	6	2	88-1159	
OBN 42	G11820xV79018	SANGRETORO	6	37	4A	45	116	8	M	9	3	5	8	3	88-1160	
OBN 43	G11820xV79018	SANGRETORO	6	38	4A	45	116	.	M	9	2	6	7	3	88-1161	

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBE	ALS	Rust	Yr	Ent	YAN
OBN	44	G11821xG12488	6	41	4A	38	116	.	M	9	1	7	7	3	88-1162	
OBN	45	G11821xG12488	6	46	4A	35	105	.	M	9	1	7	7	5	88-1163	
OBN	46	G11821xG12488	6	46	4A	38	116	.	M	9	1	7	7	3	88-1164	
OBN	47	G11821xG12488	6	45	4A	36	116	.	M	9	2	6	8	3	88-1165	
OBN	48	G11821xG12488	6	44	4A	36	116	8	M	9	1	5	8	3	88-1166	
OBN	49	G11821xG12488	6	46	4A	36	103	.	M	9	1	6	7	4	88-1167	
OBN	50	G11821xG12488	6	42	4A	45	116	8	M	9	1	5	6	3	88-1168	
OBN	51	G11821xG12488	6	36	4A	45	116	.	M	9	1	5	7	4	88-1169	
OBN	52	G11821xG12488	6	31	4A	45	116	.	M	9	1	6	8	2	88-1170	
OBN	53	G11821xG12488	6	36	4A	45	116	.	M	9	3	5	7	4	88-1171	
OBN	54	G11821xG12488	6	35	4A	45	116	8	M	9	2	5	7	2	88-1172	
OBN	55	G11821xG12488	6	37	4A	45	116	.	M	9	2	6	8	4	88-1173	
OBN	56	G11821xG12488	6	33	4A	45	116	8	M	9	1	5	8	3	88-1174	
OBN	57	G11821xG12488	6	30	4A	45	116	.	M	9	2	6	7	3	88-1175	
OBN	58	G11821xG12488	6	33	4A	45	116	.	M	9	1	7	7	3	88-1176	
OBN	59	G11821xG12488	6	27	4A	45	116	.	M	9	2	7	7	2	88-1177	
OBN	60	G11821xG12488	6	31	4A	45	116	.	M	9	2	6	6	2	88-1178	
OBN	61	G11821xG12488	6	33	4A	45	116	.	M	9	3	7	7	2	88-1179	
OBN	62	G11821xG12488	6	37	4B	45	116	.	M	9	3	7	7	3	88-1180	
OBN	63	G11821xG12488	6	33	4A	45	116	.	M	9	2	6	7	4	88-1181	
OBN	64	G11821xG12488	6	35	4A	45	116	.	M	9	1	5	7	3	88-1182	
OBN	65	G11821xG12488	6	37	4A	45	116	.	M	9	3	6	7	3	88-1183	
OBN	66	G11821xG12488	6	39	4A	45	116	.	M	9	2	6	8	3	88-1184	
OBN	67	G11821xG12488	6	37	4A	45	116	.	M	9	1	5	6	3	88-1185	
OBN	68	G11821xG12488	6	38	4A	52	116	.	M	9	2	4	7	3	88-1186	
OBN	69	G11821xG12488	6	49	4A	45	103	8	M	9	3	5	8	3	88-1187	
OBN	70	G11821xG12488	6	44	4A	45	99	8	M	9	2	5	8	3	88-1188	
OBN	71	G11821xG12488	6	45	4B	38	103	.	M	9	1	7	7	4	88-1189	
OBN	72	G11821xG12488	6	39	4B	45	116	.	M	9	5	7	7	4	88-1190	
OBN	73	G11821xG12488	6	38	4A	45	116	.	M	9	5	7	7	5	88-1191	
OBN	74	G11821xG12488	6	38	4B	45	116	.	M	9	4	7	7	4	88-1192	
OBN	75	G11821xG12488	6	42	4A	45	116	.	M	9	4	7	8	5	88-1193	
OBN	76	G11821xG12488	6	43	4A	45	116	.	M	8	1	6	8	3	88-1087	
OBN	77	G11821xG12488	6	37	4A	45	116	.	M	8	1	7	7	3	88-1088	
OBN	78	G11821xG12488	6	43	4A	45	116	.	M	9	2	7	6	4	88-1194	
OBN	79	G11821xG12488	6	34	4B	56	116	.	M	9	4	6	7	3	88-1195	
OBN	80	G11821xG12488	6	37	4A	50	116	8	M	9	4	5	7	2	88-1196	
OBN	81	G11821xG12488	6	39	4B	50	116	.	M	9	4	5	7	4	88-1197	
OBN	82	G11821xG12488	6	48	4A	35	116	.	M	9	6	7	7	2	88-1198	
OBN	83	G11821xG12488	7	46	4B	45	116	.	M	9	.	7	6	3	88-1207	
OBN	84	G11821xG12488	7	42	4A	45	.	.	M	9	2	7	6	3	88-1208	
OBN	85	G11821xG12488	7	44	4A	45	.	.	M	9	1	6	6	3	88-1209	
OBN	86	G11821xG12488	7	41	4A	45	116	.	M	9	1	7	7	3	88-1210	
OBN	87	G11821xG12488	7	38	4A	50	116	.	M	9	3	7	7	4	88-1211	
OBN	88	G11821xG12488	7	43	4A	50	.	.	M	9	1	6	6	4	88-1212	
OBN	89	G11821xG12488	7	39	4A	50	.	.	M	9	1	7	7	3	88-1213	
OBN	90	G11821xG12488	7	.	4A	50	.	.	M	9	1	7	7	4	88-1214	
OBN	91	G11821xG12488	7	48	4A	45	116	8	M	9	3	6	6	3	88-1215	
OBN	92	G11821xG12488	7	54	4A	35	105	8	M	9	1	7	6	3	88-1216	
OBN	93	G11821xG12488	7	62	4A	36	116	.	M	9	3	6	6	2	88-1217	
OBN	94	G11821xG12488	7	58	4A	38	116	.	M	9	4	7	6	3	88-1218	
OBN	95	G11821xG12488	7	47	4A	36	116	.	M	9	3	7	7	3	88-1219	
OBN	96	G11821xG12488	7	36	4A	45	116	.	M	9	4	6	7	3	88-1220	
OBN	97	G11821xG12488	7	48	4B	45	.	.	M	9	2	6	7	2	88-1221	
OBN	98	G11821xG12488	7	39	4A	45	.	.	M	9	1	7	6	2	88-1222	
OBN	99	G12614xG12488	7	40	4B	45	.	.	M	9	1	6	8	4	88-1223	

Line	Cross	Cult. type	Seed			Days to							VBF		IB	
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
OBN 100	G5702xG12488	ARGENTINO	7	.	4B	45	.	.	M	9	3	6	7	3	88-1224	
OBN 101	G12209xICALS	RADICAL	6	57	4B	72	153	8	M	.	.	7	6	6	90-820	
OBN 102	G12667xG12724	CABALLERO	1	45	4A	72	151	8	M	.	1	7	8	7	90-803	
OBN 103	G12667xG12724	CABALLERO	1	44	4A	72	151	8	M	.	1	7	7	7	90-804	
OBN 104	G12667xG12724	CABALLERO	1	45	4A	72	151	8	M	.	1	7	7	4	90-805	
OBN 105	G12667xG12724	CABALLERO	1	45	4A	72	151	7	M	.	1	6	6	5	90-806	
OBN 106	G12667xG12724	CABALLERO	1	44	4A	72	151	8	M	.	1	6	6	7	90-807	
OBN 107	ROSADOSABANExG11821	CARGAMANTO	2R	54	4B	72	157	.	M	.	.	5	6	7	90-812	
OBN 108	ROSADOSABANExG11821	CARGAMANTO	2R	63	4B	74	153	8	M	.	1	7	7	5	90-813	
OBN 109	ROSADOSABANExG11821	RADICAL	6	49	4B	74	157	8	M	.	1	7	6	5	90-821	
OBN 110	ROSADOSABANExG11821	CARGAMANTO	2R	58	4B	74	153	.	M	.	1	6	7	5	90-814	
OBN 111	ROSADOSABANExG11821	RADICAL	6	49	4B	72	137	8	M	.	1	7	6	5	90-833	
OBN 112	ROSADOSABANExG11821	CARGAMANTO	2R	62	4B	74	153	.	M	.	1	7	7	5	90-815	
OBN 113	ROSADOSABANExG11821	RADICAL	7	63	4B	74	153	8	M	.	.	7	6	5	90-834	
OBN 114	G12709xG11821	TUNDAMA	6M	59	4B	72	151	.	M	.	1	7	5	5	90-836	
OBN 115	G12207xG12724	CABALLERO	1	55	4B	74	189	8	M	.	1	6	4	2	90-808	
OBN 116	G12207xG12724	CABALLERO	1	47	4B	74	189	8	M	.	.	6	5	7	90-809	
OBN 117	G12207xG12724	CABALLERO	1	55	4B	72	155	8	M	.	.	7	7	7	90-810	
OBN 118	G12207xG12724	CABALLERO	1	47	4B	72	153	8	M	.	1	7	7	7	90-811	
OBN 119	G12275xG12488	RADICAL	6	54	4A	72	157	8	M	.	1	7	7	4	90-822	
OBN 120	G12275xG12488	RADICAL	6	53	4A	72	153	8	M	.	1	7	6	4	90-823	
OBN 121	G12488xG12709	CARGAMANTO	2R	54	4A	72	149	.	M	.	.	7	6	5	90-816	
OBN 122	G11820xG12273	RADICAL	6	48	4B	67	137	8	M	.	1	7	5	4	90-824	
OBN 123	G11820xG12273	MWEZI MOJA	7M	43	4B	72	149	8	M	.	1	7	7	7	90-819	
OBN 124	G11820xG12275	RADICAL	6	48	4B	72	149	8	M	.	1	6	6	3	90-825	
OBN 125	G11820xG12275	RADICAL	6	50	4B	72	153	8	M	.	1	6	6	3	90-826	
OBN 126	G11820xG12275	RADICAL	6	47	4B	72	153	8	M	.	1	6	6	4	90-827	
OBN 127	G11820xG12275	RADICAL	6	50	4B	72	151	8	M	.	1	7	6	4	90-828	
OBN 128	G11820xG12275	RADICAL	6	50	4B	72	151	8	M	.	1	7	7	3	90-829	
OBN 129	G11820xG12275	RADICAL	6	48	4B	72	151	8	M	.	1	6	7	4	90-830	
OBN 130	G11820xG12275	RADICAL	6	46	4B	72	153	8	M	.	1	7	6	5	90-831	
OBN 131	G11820xG12275	RADICAL	6	50	4B	72	153	8	M	.	1	7	7	4	90-832	
OBN 132	G15819xG12488	TUNDAMA	6M	45	4A	67	137	.	M	.	.	7	6	5	90-835	
OBN 133	G12709xG12488	MWEZI MOJA	7M	59	4B	72	153	.	M	.	.	7	5	7	90-817	
OBN 134	G12709xG12488	MWEZI MOJA	7M	53	4A	72	153	.	M	.	1	7	6	7	90-818	
OBN 135	G12709xZAV83024	MWEZI MOJA	7M	40	4B	20	190	.	M	.	5	6	6	3	91-570	
OBN 136	G12709xZAV83024	MWEZI MOJA	7M	37	4B	30	190	.	M	.	4	7	7	4	91-565	
OBN 137	G12709xZAV83024	MWEZI MOJA	7M	37	4A	20	180	.	M	.	6	6	7	5	91-561	
OBN 138	G12709xZAV83073	MWEZI MOJA	7M	.	4A	30	190	.	M	.	7	6	6	5	91-563	
OBN 139	G12709xICA-LS-26	CARGAMANTO	6M	45	4A	65	160	.	M	.	1	6	5	5	91-553	
OBN 140	G5683xZAV83097	CARGAMANTO	2M	56	4B	69	160	.	M	.	2	7	5	3	91-541	
OBN 141	ROSADOSABANExG11821	CARGAMANTO	2M	.	4B	99	170	.	M	.	3	6	6	4	91-540	
OBN 142	ROSADOSABANExG11821	CARGAMANTO	2M	.	4A	29	170	.	M	.	1	6	7	5	91-543	
OBN 143	G12709xG11821	ARGENTINO	7	41	4B	97	160	.	M	.	3	6	7	2	91-576	
OBN 144	G12709xG11821	MWEZI MOJA	7M	41	4B	65	160	.	M	.	2	7	7	3	91-568	
OBN 145	G12709xG11821	MWEZI MOJA	7M	37	4B	65	155	.	M	.	6	7	6	3	91-564	
OBN 146	G12709xG11821	MWEZI MOJA	7M	41	4B	66	155	.	M	.	2	6	7	4	91-567	
OBN 147	G12709xG11821	MWEZI MOJA	7M	45	4B	69	160	.	M	.	3	6	6	4	91-562	
OBN 148	G12229xG12488	RADICAL	6	45	4A	65	155	.	M	.	3	7	7	3	91-560	
OBN 149	G12488xG12709	CARGAMANTO	6M	47	4A	63	155	.	M	.	1	7	7	4	91-552	
OBN 150	G12488xG12709	MWEZI MOJA	7M	49	4A	63	160	.	M	.	2	7	7	3	91-571	
OBN 151	G12488xG12709	CARGAMANTO	2M	47	4B	64	160	.	M	.	1	6	7	3	91-544	
OBN 152	G12372xG5653	RADICAL	6	44	4B	50	155	.	M	.	1	6	6	5	91-558	
OBN 153	G12372xG5653	RADICAL	6	.	4B	54	160	.	M	.	1	6	7	4	91-557	
OBN 154	G12372xG5653	RADICAL	6	39	4B	99	170	.	M	.	4	6	6	5	91-556	
OBN 155	G12372xG5653	BOLA ROJA	6	33	4B	65	160	.	M	.	1	6	6	5	91-551	

Line	Cross	Cult. type	Seed			Days to					VEF			IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS		Rust	Yr	Ent	YAN
OBN 156	G12247xV79087	PIRIRITA	2R	39	4B	96	180	.	M	.	1	6	6	4	91-546	
OBN 157	G12247xV79087	NEGRO	8	.	4B	40		.	M	.	1	6	6	3	91-577	
OBN 158	G11818xE521	BOLA ROJA	6	46	4A	45	155	.	M	.	4	7	6	2	91-549	
OBN 159	G11818xE521	BOLA ROJA	6	49	4B	65	160	.	M	.	4	6	6	2	91-550	
OBN 160	BOLONROJOxL32980M8	RADICAL	6	46	4B	50	160	.	M	.	6	7	6	4	91-559	
OBN 161	G12709xG12669	MWEZI MOJA	7M	47	4B	63	165	.	M	.	4	7	7	3	91-566	
OBN 162	G12709xG12669	MWEZI MOJA	7M	52	4B	65	165	.	M	.	3	6	7	4	91-569	
OBN 163	G12709xG12669	CITARA	6M	45	4A	65	175	.	M	.	6	7	6	4	91-555	
OBN 164	G12709xG12669	CITARA	7M	46	4B	69	170	.	M	.	1	5	7	3	91-574	
OBN 165	G12709xG12669	CITARA	7M	51	4B	72	160	.	M	.	4	6	7	3	91-575	
OBN 166	G12709xG12669	MWEZI MOJA	7M	47	4A	72	180	.	M	.	5	6	6	3	91-572	
OBN 167	G12709xG12669	MWEZI MOJA	7M	46	4A	84	200	.	M	.	1	6	7	3	91-573	
OBN 168	G12709xG12669	CARGAMANTO	2M	35	4B	84	170	.	M	.	1	6	7	4	91-542	
OBN 169	OBO-V-15xG12669	URIBE	5M	.	4A	30	160	.	M	.	1	6	7	4	91-547	
OBN 170	OBO-V-15xG12669	URIBE	5M	.	4B	30	180	.	M	.	1	6	7	3	91-548	
OBN 171	HOSTERxE884	PIRIRITA	2R	.	.	.	.	.	M	.	1	7	7	2	92-960	
OBN 172	G12696xG11761	ESTRADA	7M	.	.	.	.	.	M	.	1	7	7	2	92-1014	
OBN 173	G12696xG11761	ESTRADA	7M	.	.	.	.	.	M	.	1	7	7	3	92-1015	
OBN 174	BOLONBLANCOxG11761	CABALLERO	1	.	.	.	.	.	M	.	1	7	7	3	92-904	
OBN 175	BOLONBLANCOxG11761	CABALLERO	1	.	.	.	.	.	M	.	1	6	7	3	92-905	
OBN 176	BOLONBLANCOxG11761	CABALLERO	1	.	.	.	.	.	M	.	1	7	7	2	92-906	
OBN 177	BOLONBLANCOxG11761	CABALLERO	1	.	.	.	.	.	M	.	1	7	7	3	92-907	
OBN 178	VACAxL32980		8	.	.	.	.	.	M	.	1	6	7	2	92-1048	
OBN 179	G12367xG12667	CABALLERO	1	.	.	.	.	.	M	.	1	7	7	4	92-908	
OBN 180	G12367xG12667	CABALLERO	1	.	.	.	.	.	M	.	1	7	7	3	92-909	
OBN 181	G12367xG12667	CABALLERO	1	.	.	.	.	.	M	.	1	6	7	3	92-910	
OBN 182	G11758xOBO-V-15	MWEZI MOJA	7M	.	.	.	.	.	M	.	1	7	4	2	92-1024	
OBN 183	G11758xOBO-V-15	CITARA	6M	.	.	.	.	.	M	.	1	7	7	3	92-992	
OBN 184	G11806xL32980-M8	CRANBERRY	2M	.	.	.	.	.	M	.	1	7	7	3	92-949	
OBN 185	G11806xL32980-M8	CRANBERRY	2M	.	.	.	.	.	M	.	1	7	7	2	92-950	
OBN 186	G11806xL32980-M8	CRANBERRY	2M	.	.	.	.	.	M	.	1	6	7	2	92-951	
OBN 187	G11806xL32980-M8	CRANBERRY	2M	.	.	.	.	.	M	.	1	7	5	2	92-952	
OBN 188	G11806xL32980-M8	CRANBERRY	2M	.	.	.	.	.	M	.	1	7	7	2	92-953	
OBN 189	G11806xL32980-M8	CRANBERRY	2M	.	.	.	.	.	M	.	1	7	7	3	92-954	
OBN 190	G11806xL32980-M8	CRANBERRY	2M	.	.	.	.	.	M	.	1	7	7	3	92-955	
OBN 191	G11806xL32980-M8	CRANBERRY	2M	.	.	.	.	.	M	.	1	7	7	2	92-956	
OBN 192	G11806xL32980-M8	CRANBERRY	2M	.	.	.	.	.	M	.	1	6	7	2	92-957	
OBN 193	G11806xL32980-M8	CRANBERRY	2M	.	.	.	.	.	M	.	1	7	7	2	92-958	
OBN 194	OBO-V-1xBOLACANARIO	MWEZI MOJA	7M	.	.	.	.	.	M	.	1	7	5	2	92-1025	
OBN 195	G12367xOBO-V-1	CABALLERO	1	.	.	.	.	.	M	.	1	7	7	3	92-911	
OBN 196	G12367xOBO-V-6	MWEZI MOJA	7M	.	.	.	.	.	M	.	1	7	3	3	92-1026	
OBN 197	TIB30-42xFRIJOLICA0-3	MWEZI MOJA	7M	.	.	.	.	.	M	.	1	7	7	3	92-1027	
OBN 198	TIB30-42xFRIJOLICA0-3	MWEZI MOJA	7M	.	.	.	.	.	M	.	1	7	7	2	92-1028	
OBN 199	G11818xE521	BOLA ROJA	6	.	.	.	.	.	M	.	1	7	7	2	92-972	
OBN 200	G11818xE521	BOLA ROJA	6	.	.	.	.	.	M	.	1	7	7	2	92-973	
OBN 201	G11818xE521	BOLA ROJA	6	.	.	.	.	.	M	.	1	7	7	2	92-974	
OBN 202	G11818xE521	BOLA ROJA	6	.	.	.	.	.	M	.	1	7	7	2	92-975	
OBN 203	G11818xE521	BOLA ROJA	6	.	.	.	.	.	M	.	1	7	5	2	92-976	
OBN 204	G11818xE521	BOLA ROJA	6	.	.	.	.	.	M	.	1	7	6	2	92-977	
OBN 205	G11818xE521	BOLA ROJA	6	.	.	.	.	.	M	.	1	7	7	2	92-978	
OBN 206	BOLONROJOxL32980M8	BOLA ROJA	6	.	.	.	.	.	M	.	1	7	7	3	92-979	
OBN 207	BOLONROJOxL32980M8	BOLA ROJA	6	.	.	.	.	.	M	.	1	8	5	3	92-980	
OBN 208	G12667xG12669	CABALLERO	1	.	.	.	.	.	M	.	1	6	6	3	92-912	
OBN 209	G12667xG12669	CABALLERO	1	.	.	.	.	.	M	.	1	6	7	3	92-913	
OBN 210	MORTINOxV-8010-41	MWEZI MOJA	7M	.	.	.	.	.	M	.	1	7	7	3	92-1029	
OBN 211	MORTINOxV-8010-42	MWEZI MOJA	7M	.	.	.	.	.	M	.	1	6	3	3	92-1030	

Line	Cross	Cult. type	Seed			Days to					VEF	IB						
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
OBN	212	MORTI#Ox (MORTI#OxSANGRETORO)	MWEZI	MOJA	7M	.	.	.	.	M	.	1	6	2	3	92-1031		
OBN	213	MORTI#Ox (MORTI#OxSANGRETORO)	MWEZI	MOJA	7M	.	.	.	.	M	.	1	7	3	3	92-1032		
OBN	214	MORTI#Ox (MORTI#OxSANGRETORO)	MWEZI	MOJA	7M	.	.	.	.	M	.	1	7	2	3	92-1033		
OBN	215	MORTI#Ox (MORTI#OxSANGRETORO)	MWEZI	MOJA	7M	.	.	.	.	M	.	1	7	3	3	92-1034		
OBN	216	MORTI#Ox (MORTI#OxSANGRETORO)	MWEZI	MOJA	7M	.	.	.	.	M	.	1	7	7	3	92-1035		
OBN	217	MORTI#Ox (MORTI#OxSANGRETORO)	CARGAMANTO		6M	.	.	.	.	M	.	1	6	3	3	92-982		
OBN	218	MORTI#Ox (MORTI#OxSANGRETORO)	MWEZI	MOJA	7M	.	.	.	.	M	.	1	7	5	3	92-1036		
OBN	219	OBO-V-15x (MORTINOxG12488)	PIRIRITA		2R	.	.	.	.	M	.	1	6	7	2	92-961		
OBN	220	OBO-V-2xV-8010-41	PIRIRITA		2R	.	.	.	.	M	.	1	6	7	3	92-962		
OBN	221	OBO-V-2xV-8010-41	PIRIRITA		2R	.	.	.	.	M	.	1	7	7	3	92-963		
OBN	222	OBOV2xMORTI#O	MWEZI	MOJA	7M	.	.	.	.	M	.	1	8	7	3	92-1037		
OBN	223	OBOV3xZAV66	LIBORINO		3M	.	.	.	.	M	.	1	6	5	2	92-971		
OBN	224	V8011426xZAV66	CANARIO		3	.	.	.	.	M	.	1	6	5	3	92-967		
OBN	225	L33003xV801142	CABALLERO		1	.	.	.	.	M	.	1	6	7	3	92-914		
OBN	226	L32980M4xZAV5	ARGENTINO		7	.	.	.	.	M	.	1	6	6	2	92-1016		
OBN	227	G12709BxZAV5	NEGRO		8	.	.	.	.	M	.	1	7	7	2	92-1047		
OBN	228	MORTI#ONEGROxV8011426	MWEZI	MOJA	7M	.	.	.	.	M	.	1	7	7	3	92-1038		
OBN	229	MORTI#ONEGROxV8011426	MWEZI	MOJA	7M	.	.	.	.	M	.	1	7	7	3	92-1039		
OBN	230	FRIJOLICA0-3xV8011424	MWEZI	MOJA	7M	.	.	.	.	M	.	1	7	7	2	92-1040		
PAC	1	SEL276xRAB164	SMALL	WHITE	1	18	2	41	73	.	N	6	2	9	5	5	85-1176	87
PAC	2	(G17720xBAT1320)xBAT1549	NAVY		1	15	2	41	77	8	N	9	7	6	6	5	85-1177	
PAC	3	BAT1684xXANI35	NAVY		1	24	2	36	72	.	N	6	3	8	7	7	85-1178	87
PAC	4	BAT1061xG4498	NAVY		1	23	2	36	77	3	N	9	5	8	7	7	85-1179	87
PAC	5	BAT1145xG4498	SMALL	WHITE	1	19	2	41	73	3	N	9	8	8	6	7	85-1180	
PAC	6	BAT1061xG4498	SMALL	WHITE	1	18	2	36	75	3	N	9	6	7	6	7	85-1181	87
PAC	7	SEL275xBAT1572	SMALL	WHITE	1	16	2	40	77	1	N	9	6	7	6	6	85-1182	
PAC	8	A505xBAT1387	SMALL	WHITE	1	25	1	34	75	.	N	.	6	8	6	5	85-1183	87
PAC	9	SEL53xBAT363	NAVY		1	19	1	35	72	.	N	9	7	8	6	6	86-435	
PAC	10	G17569xG5874	NAVY		1	19	2B	38	70	.	N	9	7	8	5	7	86-436	
PAC	11	G17545xG17683	NAVY		1	20	1	37	69	.	N	9	9	8	6	7	86-437	
PAC	12	G17545xG17683	SMALL	WHITE	1	19	2	41	75	.	N	9	8	8	6	8	86-438	
PAC	13	G17631xG17683	NAVY		1	19	1	37	71	.	N	9	5	8	7	7	86-439	
PAC	14	BAT1145xG4498	NAVY		1	14	2B	42	75	.	L	9	7	7	7	7	86-440	
PAC	15	BAT1145xG4498	SMALL	WHITE	1	15	1	37	72	.	N	9	2	8	7	7	86-441	
PAC	16	BAT1145xG4498	NAVY		1	17	1	37	70	.	N	9	8	.	6	7	86-442	
PAC	17	SEL275xBAT1716	NAVY		1	17	2B	38	72	.	N	9	2	8	6	7	86-443	
PAC	18	G17685xBAT1198	NAVY		1	16	2B	.	75	1	N	9	8	6	7	7	86-444	
PAC	19	SEL276xBAT1712	NAVY		1	20	2B	39	73	.	N	9	8	6	6	7	86-445	
PAC	20	G17483xG5874	NAVY		1	19	2B	39	71	.	N	9	8	7	6	8	86-446	
PAC	21	G17632xBAT1756	SMALL	WHITE	1	15	2A	42	73	.	N	9	7	7	5	8	86-447	
PAC	22	G17632xG4736	SMALL	WHITE	1	14	2A	45	75	.	N	9	2	8	5	7	86-448	
PAC	23	BAT1061xG4498	SMALL	WHITE	1	17	2B	.	72	.	N	9	2	7	6	8	86-449	
PAC	24	BAT1145xG4498	NAVY		1	18	2B	39	74	.	N	9	2	7	6	8	86-450	
PAC	25	BAT1061xG4498	NAVY		1	22	3	40	74	.	N	9	2	6	6	8	86-451	
PAC	26	G17710xG2540	SMALL	WHITE	1	17	3	.	78	.	N	9	5	7	5	7	86-452	
PAC	27	SEL218xBAT1225	SMALL	WHITE	1	13	2A	44	74	.	N-M	9	5	7	6	7	86-453	
PAC	28	G17569xG5874	SMALL	WHITE	1	16	2B	39	72	.	N	9	7	6	6	7	86-454	
PAC	29	G17685xBAT1198	SMALL	WHITE	1	18	1	38	70	.	N	9	6	8	6	7	86-455	
PAC	30	(G17720xBAT1320)xBAT1334	SMALL	WHITE	1	16	2A	40	72	.	N	9	8	8	6	4	86-456	
PAC	31	G17632xBAT1756	SMALL	WHITE	1	17	2A	40	72	.	N	9	7	7	5	8	86-457	
PAC	32	A505xMOC7	NAVY		1	18	1	35	66	.	N	9	8	8	5	7	86-458	
PAC	33	G18400xG17427	SMALL	WHITE	1	21	1	34	69	.	N	9	3	6	7	7	86-459	
PAC	34	MOC2xG5874	NAVY		1	19	1	34	67	.	N	9	4	7	7	9	86-460	
PAC	35	MOC2xG17427	SMALL	WHITE	1	18	3	34	72	.	N	9	7	7	6	7	86-461	
PAC	36	G18403xG17427	SMALL	WHITE	1	18	1	34	.	.	N	9	7	7	7	8	86-462	
PAC	37	G18403xG17427	NAVY		1	18	1	.	74	.	N	9	4	7	6	5	86-463	

Line	Cross	Cult. type	Seed			Days to										VRF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr			Ent	YAN
PAC	38	G18420xG17427	SMALL WHITE	1	18	1	35	74	4	N-M	9	5	8	6	6	86-464	88
PAC	39	G17592xSEL695	SMALL WHITE	1	13	2A	39	72	.	M-N	9	7	7	5	7	86-465	
PAC	40	BAT1610xG17427	SMALL WHITE	1	20	2A	39	70	.	N	9	4	7	7	7	86-466	
PAC	41	BAT1610xG17427	SMALL WHITE	1	16	2A	40	68	1	N	9	7	7	7	7	86-467	88
PAC	42	BAT1610xG17427	SMALL WHITE	1	18	1	38	70	.	N	8	4	7	7	5	86-468	
PAC	43	DOR37xG17427	SMALL WHITE	1	19	1	35	67	.	N	9	7	7	6	9	86-469	
PAC	44	MOC3xG17427	NAVY	1	18	1	33	65	.	N	9	3	8	7	9	86-470	
PAC	45	MOC3xG17427	SMALL WHITE	1	21	3	36	67	.	N	9	2	7	6	6	86-471	
PAC	46	G17592xG17427	SMALL WHITE	1	15	2A	40	72	.	N	9	4	7	6	7	86-472	
PAC	47	BAT1610xG18403	NAVY	1	22	2A	37	70	.	N	9	8	7	6	8	86-473	
PAC	48	BLM7xG18402	NAVY	1	24	1	37	67	.	N	9	4	7	7	7	86-474	
PAC	49	SEL416xG18402	SMALL WHITE	1	19	2B	39	70	.	N	9	6	6	6	7	86-475	
PAC	50	BAT1716xMOC2	SMALL WHITE	1	18	2B	40	72	1	N	9	8	6	6	7	86-476	
PAC	51	BLM2xSEL695	SMALL WHITE	1	16	1	33	68	.	N	9	7	6	6	8	86-477	
PAC	52	G7584xG18403	SMALL WHITE	1	22	1	35	73	3	N	9	7	7	6	6	86-478	
PAC	53	G18406xG17427	SMALL WHITE	1	20	2B	.	72	.	N	9	6	7	5	7	86-479	
PAC	54	BLM8xSEL689	NAVY	1	21	2A	40	71	.	N	9	9	7	7	6	86-480	
PAC	55	G18408xG17687	SMALL WHITE	1	27	1	35	72	.	M	9	3	7	6	5	86-1276	
PAD	1	BAT841x(G6401xSEL143)		6M	36	1	36	73	.	N	9	3	5	6	1	83-514	
PAD	2	G6616x(G4523x(G4523xG76))		6M	36	1	36	70	.	N	9	2	7	7	1	83-471	
PAD	3	G14013xBAT982		6M	38	1	39	77	8	N	9	4	4	7	1	83-515	85
PAD	4	G6615xBAT950		7M	34	1	35	70	.	N	9	7	6	7	1	83-502	
PAD	5	G13922xBAT950		6M	34	1	36	73	8	N	9	6	7	7	1	83-516	85
PAD	6	G13922xBAT950		6M	36	1	34	68	8	N	8	2	6	6	1	83-472	
PAD	7	A23xBAT950		7M	26	1	35	68	.	N	9	7	6	7	3	83-503	
PAD	8	G14013x(G14013x(G4494x(G76x...		6M	39	1	38	77	7	N	8	4	4	7	1	83-517	85
PAD	9	G14013x(G14013x(G4494x(G76x...		6M	54	1	36	77	.	N	9	7	8	6	1	83-473	
PAD	10	G14013x(G14013x(G4494x(G76x...		6M	36	1	38	77	.	N	9	4	6	7	1	83-518	
PAD	11	G14013x(G14013x(G4494x(G76x...		6M	41	1	39	83	.	N	9	3	5	7	1	83-519	
PAD	12	G14013x(G14013x(G4494x(G76x...		6M	39	1	38	83	.	N	9	4	6	7	1	83-431	
PAD	13	G14013x(G14013x(G4494x(G76x...		6M	41	1	38	83	8	N	9	5	7	7	1	83-432	85
PAD	14	G14013x(G14013x(G4494x(G76x...		6M	39	1	38	83	8	N	9	2	5	7	1	83-520	85
PAD	15	G14013x(G5897xSEL106)		6M	38	1	37	83	8	N	9	3	4	7	1	83-521	85
PAD	16	G14013x(G14013xSEL141)		6M	43	1	38	83	.	N	9	3	6	7	1	83-433	
PAD	17	BAT1225xBAT1079		6M	21	1	37	77	.	N	9	4	6	6	5	83-606	
PAD	18	BAT1225xBAT1079		6M	21	1	38	83	.	N	9	6	6	6	5	83-607	
PAD	19	BAT1225xBAT1079		6M	29	1	34	68	.	N	9	1	7	6	3	83-474	
PAD	20	BAT1225xBAT1254		6M	32	1	33	70	.	N	9	5	7	6	3	83-475	
PAD	21	BAT1225xBAT1254		6M	30	1	35	77	.	N	9	4	6	6	1	83-476	
PAD	22	BAT1225xBAT1254		6M	38	1	38	77	8	N	9	3	5	7	1	83-522	85
PAD	23	BAT1226x(G13922xBAT950)	BAT 1297	6	31	1	37	68	.	N	9	4	6	7	5	83-523	
PAD	24	BAT1226x(G13922xBAT950)		6M	20	1	38	73	.	N	9	2	6	6	5	83-608	
PAD	25	BAT1226x(G13922xBAT950)		6M	25	1	34	67	.	N	9	2	5	3	5	83-524	
PAD	26	BAT1225xG13922		6M	22	2A	35	75	.	N	9	4	7	5	1	83-609	
PAD	27	BAT1225xBAT1250		6M	33	1	33	75	.	N	9	6	8	6	5	83-477	
PAD	28	BAT1225x(G4470x(G4523x(G4523x...		6M	26	1	37	73	.	N	9	2	7	5	5	83-478	
PAD	29	BAT1225x(G4470x(G4523x(G4523x...		6M	36	1	39	75	8	M	8	7	6	6	1	83-525	
PAD	30	BAT1225x(G4470x(G4523x(G4523x...		6M	36	1	37	75	.	M	9	8	6	6	1	83-526	
PAD	31	BAT1225x(G4470x(G4523x(G4523x...		6M	36	1	38	75	.	M	9	7	6	6	1	83-527	
PAD	32	BAT1355xBAT1254		7M	35	1	34	70	.	N	9	6	6	6	3	83-504	
PAD	33	BAT1235xBAT1274		6M	35	1	35	77	.	N	9	4	9	6	5	83-479	
PAD	34	BAT1225xBAT1254	BAT 1297	7M	35	1	33	72	.	N	8	4	8	6	5	84-936	
PAD	35	BAT1225xBAT1254	BAT 1297	7M	40	1	30	69	.	N	8	7	7	6	5	84-937	
PAD	36	BAT1225xBAT1254	CALIMA	7M	31	1	38	71	2	N	7	5	8	4	7	84-938	86
PAD	37	BAT1225xBAT1254	CALIMA	7M	40	1	36	70	2	N	8	3	9	4	7	84-939	86
PAD	38	BAT1226x(G13922xBAT950)	BAT 1297	6M	29	1	36	66	.	N	7	1	4	1	5	84-940	

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	VEF		IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV						Yr	Ent		YAN
PAD 39	BAT1226x(G13922xBAT950)		6	35	1	36	68	.	N	8	7	3	1	5	84-941		
PAD 40	BAT1355xBAT1222	TUNDAMA	7M	55	1	33	66	.	N	8	4	3	3	3	84-942		
PAD 41	BAT1355xBAT1222	TUNDAMA	6M	43	1	33	63	.	M	8	4	6	5	5	84-943		
PAD 42	BAT1355xBAT1222	TUNDAMA	7M	53	1	33	69	.	N	7	3	7	5	5	84-944		
PAD 43	BAT1355xBAT1222	CALIMA	7M	46	1	32	65	.	M	8	2	6	6	3	84-945		
PAD 44	BAT1355xBAT1222	NIMA	6M	46	1	33	67	.	M	7	3	6	4	3	84-946		
PAD 45	BAT1355xBAT1274	TUNDAMA	6M	50	1	38	72	4	N	7	4	8	4	7	84-947	86	
PAD 46	SEL188xBAT1222	GUALI	7M	53	1	35	72	.	N	7	7	5	7	3	84-948		
PAD 47	SEL188xBAT1222	TUNDAMA	6M	45	1	36	73	4	N	7	7	6	6	5	84-949	86	
PAD 48	SEL188xBAT1222	GUALI	7M	52	1	33	68	.	N	7	7	5	5	5	84-950		
PAD 49	SEL164xBAT1404	TUNDAMA	7M	36	1	36	69	3	N	7	2	7	4	5	84-951	86	
PAD 50	BAT1250xBAT1407	GUALI	7M	48	1	32	72	.	N	7	9	7	.	5	84-952		
PAD 51	SEL258xBAT1412	FRIJOLICA P11	6M	41	1	36	71	5	N	9	4	5	5	5	85-1184	87	
PAD 52	SEL258xBAT1412	FRIJOLICA P11	6M	40	1	36	68	.	N	5	5	5	5	5	85-1185		
PAD 53	SEL258xBAT1412	FRIJOLICA P11	6M	41	1	36	73	.	N	5	4	4	5	3	85-1186		
PAD 54	SEL258xBAT1412	FRIJOLICA P11	6M	47	1	36	73	.	N	9	7	6	6	3	85-1187		
PAD 55	G4450xG17668	CALIMA	6M	53	1	33	75	3	M	9	7	5	6	5	85-1188		
PAD 56	G6616xG17668	POMPADOUR	7M	36	1	35	71	.	N	6	5	7	3	5	85-1189		
PAD 57	G6616xG17668	POMPADOUR	7M	38	1	33	66	.	N	6	7	6	4	5	85-1190		
PAD 58	G6616xG17668	POMPADOUR	7M	39	1	36	66	.	N	6	7	7	4	5	85-1191		
PAD 59	A505xBAT1387	NIMA	6M	33	1	35	66	8	M	9	6	6	6	4	85-1192		
PAD 60	SEL258xBAT1412	FRIJOLICA P11	6M	42	1	37	75	.	N	6	6	5	5	3	85-1193		
PAD 61	BAT1345xBAT1407	FRIJOLICA P11	6M	41	1	40	77	.	N	6	6	5	5	5	85-1194		
PAD 62	SEL262xBAT1345	FRIJOLICA P11	6M	32	1G	36	76	.	N	6	4	4	5	5	85-1195	87	
PAD 63	SEL262xBAT1429	NIMA	6M	36	1G	38	75	8	M	9	7	5	7	5	85-1196		
PAD 64	SEL188x(BAT1387xBAT1345)	CALIMA	7M	43	1	38	77	.	N	.	6	7	4	5	85-1197		
PAD 65	PAD11x(BAT1387xBAT1345)	FRIJOLICA P11	6M	42	1	37	79	8	N	9	6	7	5	5	85-1198		
PAD 66	PAD11x(BAT1387xBAT1345)	FRIJOLICA P11	6M	44	1	36	79	.	N	9	4	6	5	5	85-1199		
PAD 67	G6616x(G4523x(G4523xG76))	TUNDAMA	6M	37	1	35	67	.	M	.	3	7	4	5	85-1200		
PAD 68	BAT1355xA117	TUNDAMA	6M	40	1	34	68	.	N	6	4	7	5	5	85-1201		
PAD 69	SEL188xBAT1222	ROJO ZEBRA	7M	40	1	33	68	.	N	9	7	7	6	5	85-1202		
PAD 70	SEL258xBAT1412	FRIJOLICA P11	6M	44	1	36	73	6	N	9	6	6	5	5	85-1203		
PAD 71	SEL258xBAT1412	FRIJOLICA P11	6M	43	1	36	73	.	N	6	7	6	5	3	85-1204		
PAD 72	G17722xBAT1369	CALIMA	6M	35	1	31	64	.	N	.	7	6	4	5	85-1205		
PAD 73	BAT1369xBAT1412	GUALI	7M	42	1	34	73	.	N	6	7	6	4	3	85-1206		
PAD 74	BAT1369xBAT1412	GUALI	7M	43	1	35	73	.	N	6	8	8	4	3	85-1207		
PAD 75	BAT1369xBAT1412	GUALI	7M	40	1	35	73	.	N	6	7	7	5	3	85-1208		
PAD 76	BAT1369xG17668	CALIMA	6M	36	1	35	71	.	N	6	7	6	6	3	85-1209		
PAD 77	BAT1412xG17668	FRIJOLICA P11	6M	40	1	34	67	.	N	6	5	7	6	3	85-1210		
PAD 78	XAN137xBAT1412	FRIJOLICA P11	7M	41	1	35	71	.	N	6	3	6	4	5	85-1211		
PAD 79	G6616xG17668	POMPADOUR	7M	37	1	32	58	.	N-M	.	3	7	8	3	87-508		
PAD 80	G6616xG17668	POMPADOUR	7M	38	1	31	61	.	M	.	7	7	7	3	87-509		
PAD 81	G6616xG17668	POMPADOUR	7M	40	1	31	61	.	N	.	2	7	6	3	87-510		
PAD 82	G6616xG17668	POMPADOUR	7M	31	1	31	58	4	N	8	4	7	7	5	87-511	89	
PAD 83	BAT1369xBAT1412	FRIJOLICA P11	6M	31	1	32	63	3	N	8	8	6	7	4	87-512		
PAD 84	BAT1369xG17668	POMPADOUR	7M	29	1	32	61	.	N	.	7	7	8	3	87-513		
PAD 85	G6616xG17668	POMPADOUR	7M	37	1	32	58	.	N-M	.	3	7	7	3	87-514		
PAD 86	G6616xG17668	POMPADOUR	7M	38	1	32	61	.	N	.	5	7	6	3	87-515		
PAD 87	G6616xG17722	POMPADOUR	6M	30	1	32	63	3	M	9	8	7	8	4	87-516		
PAD 88	BAT1319xBAT1412	FRIJOLICA P11	6M	33	1	34	65	3	N	7	9	7	7	3	87-517		
PAD 89	XAN137xBAT1412	FRIJOLICA P11	6M	41	1	34	68	.	N	.	3	7	6	3	87-518	89	
PAD 90	SEL258xBAT1412	FRIJOLICA P11	6M	41	1	35	67	.	N	.	7	7	6	3	87-519		
PAD 91	BAT1412xG17668	POMPADOUR	6M	27	1	35	69	.	N	.	7	8	7	4	87-520		
PAD 92	BAT1759xBAT1426	POMPADOUR	7M	33	1	32	63	.	N	.	2	8	6	3	87-521		
PAD 93	SEL188x(BAT1387xBAT1345)	FRIJOLICA P11	6M	33	1	37	71	3	N	8	8	7	6	7	87-522		
PAD 94	G14013xA470		7M	33	1	35	69	3	N	8	4	7	7	4	87-523		

Line	Cross	Cult. type	Seed			Days to						Rust	Yr	VEF Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant					CBB	ALS
PAD 95	BAT1345xBAT1407	FRIJOLICA P11	6M	37	1	36	73	2	N	8	6	6	6	3	87-524	
PAD 96	BAT1759xBAT1319	POMPADOUR	6M	32	1	34	67	3	N	9	4	6	7	4	87-525	89
PAD 97	(BAT1407xBAT1579) x (BAT1258xBAT1274)	CALIMA	6M	34	1	32	66	.	N	.	7	7	5	3	87-526	
PAD 98	BAT1759xBAT1426	TUNDAMA	6M	39	1	32	69	3	N	9	7	6	6	3	87-527	89
PAD 99	BAT1386x (BAT1386x (BAT1386x (BAT1386x...	POMPADOUR	6M	35	1	32	62	4	M	8	4	6	7	3	87-528	89
PAD 100	BAT1386x (BAT1386x (BAT1386x (BAT1386x...	POMPADOUR	6M	33	1	33	61	.	M	.	1	7	7	3	87-529	
PAD 101	A476xG17668	POMPADOUR	6M	29	1	39	68	.	N	.	7	5	7	4	89-396	
PAD 102	BAT1673xG5273	POMPADOUR	6M	42	1	32	66	.	N	.	7	.	8	3	89-402	
PAD 103	BAT1673xG5273	POMPADOUR	6M	30	1	34	66	.	N	.	6	.	7	3	89-397	
PAD 104	G18266xPAD2	POMPADOUR	6M	43	1	31	62	.	N	.	6	6	6	7	89-390	
PAD 105	G18266xPAD2	POMPADOUR	6M	43	1	33	66	.	N	.	1	.	7	3	89-403	
PAD 106	G18264xPAD2	POMPADOUR	6M	38	1	33	62	.	N	.	6	6	6	4	89-398	
PAD 107	G18265xPAD2	POMPADOUR	6M	42	1	32	62	.	N-M	.	3	.	6	2	89-404	
PAD 108	BAT1369xG17668	POMPADOUR	6M	32	1	33	61	.	N	.	8	.	7	4	89-399	
PAD 109	BAT1759xBAT1319	POMPADOUR	6M	46	1	35	66	.	N	.	7	.	7	3	89-401	
PAD 110	BAT1759xBAT1345	POMPADOUR	6M	37	1	38	66	.	N	.	5	7	7	6	89-405	
PAD 111	BAT1759xBAT1345	POMPADOUR	6M	37	1	38	66	.	N	.	5	8	7	5	89-400	
PAD 112	BAT1759xBAT1426	POMPADOUR	6M	41	1	32	63	.	N	.	6	5	5	7	89-391	
PAD 113	BAT1759xBAT1426	POMPADOUR	6M	38	1	34	66	.	N	.	2	7	7	7	89-392	
PAD 114	G13595xBAT1412	POMPADOUR	6M	38	2B	35	63	8	N	.	7	5	7	4	89-407	
PAD 115	G13595xBAT1412	POMPADOUR	6M	34	2B	38	63	.	N	.	6	6	7	5	89-408	
PAD 116	BAT1673xG5273	NIMA	6M	47	1	31	64	.	N	.	7	.	8	3	89-360	
PAD 117	G18258xPAD2	POMPADOUR	6M	41	2A	34	66	.	N	.	5	7	7	6	89-393	
PAD 118	BAT1412x (BAT1272x (BAT1272xXAN159)	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
PAD 119	G18264xPAD2	POMPADOUR	6M	43	1	32	66	.	M	.	5	7	5	7	89-394	
PAD 120	RAB35xDOR164	POMPADOUR	6M	51	2B	35	67	8	M	.	7	.	7	3	89-409	
PAD 121	BAT1369xG17668	POMPADOUR	6M	35	1	31	62	.	N	.	8	.	7	4	89-388	
PAD 122	BAT1759xBAT1319	POMPADOUR	6M	36	1	34	63	.	N	.	1	3	6	7	89-385	
PAD 123	G18255xPAD84	CALIMA	6M	48	1	31	60	.	N	.	8	.	6	3	89-293	
PAD 124	BAT1759xBAT1319	POMPADOUR	6M	38	1	34	63	.	N	.	8	.	6	4	89-386	
PAD 125	G18266xPAD28	POMPADOUR	6M	36	1	35	66	.	N	.	6	7	5	7	89-384	
PAD 126	G6616x (G6616x (G6616xPAI27))	POMPADOUR	6M	39	1	34	62	.	M	.	8	.	7	4	89-387	
PAD 127	G18255xPAD84	CALIMA	6M	46	1	31	60	.	N	.	7	.	6	3	89-294	
PAD 128	G18255xPAD84	POMPADOUR	6M	44	1	33	66	.	N	.	2	7	5	7	89-389	
PAD 129	G18255xPAD84	CALIMA	6M	42	1	31	59	.	N	.	9	.	8	4	89-292	
PAD 130	BAT1759xBAT1319	POMPADOUR	6M	38	1	34	66	.	N	.	8	.	7	3	89-395	
PAD 131	G6616x (G6616x (G6616xPAD28))	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
PAD 132	G6616x (G6616x (G6616xPAI27))	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
PAD 133	G6507xSEL858	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
PAD 134	SEL985xAFR244	POMPADOUR	6M	34	1	31	68	4	N	.	1	7	7	3	92-499	
PAD 135	SEL985xAFR244	POMPADOUR	6M	37	1	31	68	4	N	.	1	7	7	2	92-500	
PAD 136	SEL985xAFR244	POMPADOUR	6M	32	1	31	67	4	N	.	1	7	7	2	92-501	
PAD 137	SEL987xAFR244	POMPADOUR	6M	36	1	30	66	2	N	.	1	7	7	2	92-502	
PAD 138	SEL987xAFR244	POMPADOUR	6M	34	1	29	66	2	N	.	1	7	7	2	92-649	
PAD 139	(G11826x (SEL973xG5167)) x (SEL984x...	POMPADOUR	6M	33	1	31	68	8	N	.	1	8	6	3	92-650	
PAD 140	SEL985x (SEL985xAFR244)	POMPADOUR	6M	37	1	31	68	4	N	.	1	6	7	3	92-662	
PAD 141	SEL985x (SEL985xAFR244)	POMPADOUR	6M	34	1	30	67	4	N	.	1	7	7	2	92-651	
PAD 142	SEL987x (SEL987xAFR244)	POMPADOUR	6M	42	1	30	67	1	N	.	1	7	7	2	92-652	
PAD 143	G4494xPAD123	CALIMA	6M	44	1	30	65	.	N	.	1	8	6	3	92-408	
PAD 144	SEL985xAFR244	POMPADOUR	6M	35	1	31	68	4	N	.	1	8	7	3	92-503	
PAD 145	G9168xSEL973	POMPADOUR	6M	38	1	30	67	1	N	.	1	8	7	2	92-653	
PAD 146	SEL868xPAD85	POMPADOUR	6M	38	1	30	66	2	N	.	1	5	7	2	92-654	
PAD 147	G4494xPAD123	CALIMA	6M	41	1	30	67	.	N	.	1	8	7	3	92-409	
PAI 1	G6616xG4485	.	6M	22	3A	39	70	.	N	9	4	7	6	5	83-699	
PAI 2	BAT419xBAT887	.	6M	18	2A	39	70	.	N	9	7	8	5	5	83-612	
PAI 3	BAT896xBAT1230	.	6M	21	3A	38	75	1	N	9	7	7	6	5	83-696	

Line	Cross	Cult. type	Seed			Days to				VEF	IB					
			col.	Wt	Hab	Fl	Mt	Pot	BCMV			Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
PAI 4	BAT1102xBAT1230		6M	21	3A	40	75	.	N	9	8	7	6	5	83-698	
PAI 5	BAT1155xBAT1230		6M	21	3A	35	70	.	N	9	5	7	6	5	83-697	
PAI 6	BAT1155xBAT1230		6M	20	2B	39	70	3	N	9	8	7	5	5	83-626	85
PAI 7	BAT1155xBAT1230		6M	18	2B	39	70	.	N	9	8	8	5	5	83-627	
PAI 8	BAT1155xBAT1230		6M	17	2B	42	73	.	N	9	7	7	3	5	83-628	
PAI 9	BAT1202xBAT1225		6M	26	3B	41	73	.	N	9	9	7	6	5	83-719	
PAI 10	BAT1202xBAT1230		6M	23	3B	39	75	.	N	9	6	8	7	5	83-720	
PAI 11	BAT1202xBAT1230		6M	25	3B	38	70	.	N	9	6	7	6	5	83-721	
PAI 12	BAT1225xA40		6M	25	2B	38	70	.	N	9	7	7	5	5	83-629	
PAI 13	BAT1225xA40		6M	23	3B	38	70	.	N	9	7	8	6	5	83-722	
PAI 14	BAT1225xA40		6M	21	2B	42	70	1	N	9	6	7	6	5	83-630	
PAI 15	BAT1225xA40		6M	21	3B	38	70	.	N	9	6	7	6	5	83-723	
PAI 16	BAT1225xBAT740		6M	27	3B	39	75	.	N	9	8	6	6	5	83-716	
PAI 17	BAT1225xBAT859		6M	30	3B	39	70	.	N	9	7	7	6	5	83-724	
PAI 18	BAT1225xBAT863		6M	20	3B	39	75	.	N	9	7	7	6	7	83-728	
PAI 19	BAT1225xBAT887		6M	26	3B	39	73	.	N	9	7	7	5	5	83-717	
PAI 20	BAT1225xBAT896		6M	20	3B	38	70	.	N	9	7	7	6	5	83-725	
PAI 21	BAT1225xBAT896		6M	20	3B	40	70	.	N	9	7	5	6	5	83-726	
PAI 22	BAT1225xBAT896		6M	20	3B	39	73	.	N	9	6	7	6	5	83-727	
PAI 23	BAT1225xBAT950		6J	28	3B	38	70	.	N	9	6	6	7	5	83-733	
PAI 24	BAT1225xBAT950		6J	24	3B	37	70	.	N	9	5	6	7	5	83-734	
PAI 25	BAT1225xBAT950		6J	24	3B	39	70	.	N	9	8	7	6	5	83-735	
PAI 26	BAT1225xBAT1136		6J	22	3B	41	75	3	N	9	6	7	7	1	83-743	85
PAI 27	BAT1225xBAT1136		6J	29	3A	38	70	.	N	9	7	6	5	5	83-700	
PAI 28	BAT1225xBAT1136		6J	29	3B	38	70	1	N	9	6	6	4	1	83-736	
PAI 29	BAT1225xBAT1136		6J	30	3B	37	70	.	N	9	5	7	4	1	83-737	86
PAI 30	BAT1225xBAT1138		6J	22	3B	37	67	.	N	9	8	7	6	5	83-754	
PAI 31	BAT1225xBAT1155		6J	17	3A	38	70	.	N	9	6	7	6	5	83-705	
PAI 32	BAT1225xBAT1155		6J	18	2B	39	70	.	N	9	7	7	7	5	83-645	
PAI 33	BAT1225xBAT1155		6J	20	3A	39	73	.	N	9	7	7	6	5	83-706	
PAI 34	BAT1225xBAT1155		6J	20	2B	39	70	.	N	9	8	7	6	5	83-646	
PAI 35	BAT1225xBAT1155		6J	19	2B	37	70	.	N	9	8	7	6	5	83-647	
PAI 36	BAT1225xBAT1155		6J	17	2B	38	70	.	N	9	7	7	3	5	83-648	
PAI 37	BAT1225xBAT1155		6J	21	2B	39	70	1	N	9	8	7	7	5	83-649	85
PAI 38	BAT1225xBAT1254		6J	25	2B	37	70	.	N	9	2	6	7	3	83-643	
PAI 39	BAT1225xBAT1254		6J	28	2B	39	77	1	N	9	2	6	6	3	83-631	
PAI 40	BAT1225xBAT1254		6J	26	2B	37	75	.	N	9	6	6	6	5	83-632	
PAI 41	BAT1226x (A25xBAT950)		5M	21	3B	40	77	.	N	9	6	6	6	5	83-759	
PAI 42	BAT1226x (A25xBAT950)		6J	27	3A	38	70	.	N	9	6	7	7	5	83-711	
PAI 43	BAT1226x (A25xBAT950)		6J	27	2B	38	73	1	N	9	4	6	7	5	83-660	85
PAI 44	BAT1226x (A25xBAT950)		6M	22	3A	38	75	1	N	8	4	7	7	5	83-703	
PAI 45	BAT1226x (A25xBAT950)	BAT 1297	7M	23	2A	39	70	.	N	9	4	8	6	7	83-661	
PAI 46	BAT1226x (A25xBAT950)		7J	25	2B	36	70	.	N	9	5	7	7	5	83-644	
PAI 47	BAT1226x (G13922xBAT950)		6J	27	2B	40	75	.	N	9	2	7	6	5	83-633	
PAI 48	BAT1226x (G13922xBAT950)		6J	26	2B	42	75	.	N	8	4	7	7	5	83-634	
PAI 49	BAT1226x (G13922xBAT950)		6J	30	2B	38	70	.	N	9	2	8	6	3	83-635	
PAI 50	BAT1226x (G13922xBAT950)		6J	30	2B	37	70	.	N	9	2	7	6	5	83-636	
PAI 51	BAT1226x (G13922xBAT950)		6J	33	2B	41	75	1	N	9	3	8	7	5	83-637	
PAI 52	BAT1226x (G13922xBAT950)		6M	30	1	33	67	.	N	9	6	7	7	5	83-486	
PAI 53	BAT1225xG76		6J	27	2B	30	66	.	N	9	5	7	5	5	83-664	
PAI 54	BAT1225xG76		6J	24	2B	37	70	.	N	9	6	6	6	5	83-665	
PAI 55	BAT1225xBAT1250		6J	23	3B	39	75	.	N	9	1	7	7	5	83-757	
PAI 56	BAT1225xBAT1250		6J	31	2B	39	77	.	N	9	4	7	6	5	83-638	
PAI 57	BAT1225xBAT1250		6J	27	2B	35	73	.	N	9	6	6	5	5	83-662	
PAI 58	BAT1225xBAT1250		6J	25	3A	35	73	.	N	9	6	6	7	5	83-701	
PAI 59	BAT1225xBAT1250		6J	24	3A	36	70	.	N	9	5	7	7	5	83-702	

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
PAI 60	BAT1225xBAT1250		6J	23	2A	38	75	.	N	9	8	8	7	5	83-614	
PAI 61	BAT1225xBAT1250		6J	23	2B	37	70	2	N	9	6	8	6	5	83-650	
PAI 62	BAT1230xA40		6J	22	3B	38	70	.	N	9	6	8	6	5	83-758	
PAI 63	BAT1230xA40		6J	23	2A	38	70	.	N	9	7	7	5	5	83-613	
PAI 64	BAT1230xA40		6J	18	3B	45	75	.	N	9	4	7	7	5	83-744	
PAI 65	BAT1230xA40		6J	20	3B	40	73	1	N	9	6	7	5	5	83-745	
PAI 66	BAT1230xA40		6J	20	3B	43	73	3	N	9	6	7	6	5	83-746	
PAI 67	BAT1230xBAT41		6J	21	3B	35	70	.	N	9	6	7	6	5	83-755	
PAI 68	BAT1230x(G13922xBAT950)		6M	32	2B	36	73	.	N	9	5	6	4	1	83-624	
PAI 69	BAT1230x(G13922xBAT950)		6J	25	3B	39	73	.	N	9	5	8	6	5	83-738	
PAI 70	BAT1230x(G13922xBAT950)		6J	26	3B	36	75	.	N	9	2	8	6	5	83-739	
PAI 71	BAT1225xG14015		6J	22	3B	39	73	.	N	9	7	7	6	5	83-747	
PAI 72	BAT1225xG14015		6J	25	3B	39	70	.	N	9	6	6	6	5	83-748	
PAI 73	BAT44xBAT1225		6J	25	3B	38	70	.	N	9	5	8	6	5	83-742	
PAI 74	BAT93xBAT1230		6J	17	3B	41	70	3	N	9	7	6	5	5	83-749	
PAI 75	BAT93xBAT1230		7J	20	2	40	72	8	N	9	8	9	7	7	83-1212	
PAI 76	BAT93xBAT1230		6J	21	3B	38	70	3	N	9	7	5	7	5	83-751	
PAI 77	BAT841xBAT1225		6J	24	2B	35	67	.	N	9	2	7	7	5	83-651	
PAI 78	BAT841xBAT1230		6J	23	3B	36	70	2	N	9	3	8	7	5	83-752	
PAI 79	BAT881xBAT1230		6J	19	2A	37	70	.	N	9	6	7	5	5	83-620	
PAI 80	BAT93xBAT1230		6J	21	3A	38	70	.	N	9	6	7	6	5	83-712	
PAI 81	BAT1225x(BAT1188x(G4523x(G4523x...		6J	30	3B	36	73	.	M	9	5	6	6	5	83-740	
PAI 82	BAT1225x(BAT1188x(G4523x(G4523x...		6J	29	2B	42	75	.	N	9	6	7	7	5	83-639	
PAI 83	BAT1225x(BAT1188x(G4523x(G4523x...		6J	24	2B	46	84	.	N	9	8	6	4	5	83-652	
PAI 84	BAT1225x(BAT1188x(G4523x(G4523x...		6J	24	2B	47	84	.	N	9	7	6	5	5	83-640	
PAI 85	XAN58xBAT1296		6J	21	2A	38	70	.	N	9	7	6	6	5	83-615	
PAI 86	XAN58xBAT1230		6J	21	2A	37	68	3	N	9	7	6	5	5	83-616	
PAI 87	BAT522xEMP90		6J	23	3B	37	73	.	N	9	6	6	6	5	83-756	
PAI 88	BAT859xBAT1296		6J	23	2A	40	70	1	N	9	7	6	5	5	83-617	85
PAI 89	BAT1102xBAT1296		6J	27	2B	38	70	3	N	9	8	7	5	5	83-641	85
PAI 90	BAT1102xBAT1230		6J	19	3A	46	80	.	N	8	8	7	6	3	83-708	
PAI 91	BAT1102xBAT1230		6J	20	2B	39	79	.	N	9	6	7	7	5	83-653	
PAI 92	BAT1155xBAT1296		6J	22	2A	37	70	1	N	9	7	7	5	5	83-618	
PAI 93	BAT1102xBAT1230		7J	22	2A	38	73	.	N	9	7	6	6	5	83-621	
PAI 94	BAT1155xBAT1296		6J	23	2B	35	70	.	N	9	6	6	6	5	83-654	
PAI 95	BAT1155xBAT1296		6J	18	2B	38	70	.	N	9	7	6	5	5	83-655	
PAI 96	BAT1155xBAT1296		6J	21	3A	35	73	1	N	9	6	7	6	5	83-707	
PAI 97	BAT1155xBAT1296		6J	21	2B	39	70	1	N	9	7	7	4	5	83-663	85
PAI 98	BAT1155xBAT1296		6J	21	2B	33	70	2	N	9	6	7	6	7	83-656	85
PAI 99	G14013xBAT1365		6J	27	2B	38	77	.	N	9	6	6	7	5	83-666	
PAI 100	G14013xBAT1365		6J	29	2B	39	75	.	N	9	7	5	6	5	83-667	
PAI 101	G14013xBAT1365		6J	24	2B	40	88	.	N	9	5	6	7	5	83-669	
PAI 102	G5659xBAT1230		6J	25	2B	42	81	.	N	9	7	7	4	5	83-668	
PAI 103	BAT1225xBAT1335		6J	20	2B	39	71	1	N	9	7	5	6	5	83-657	
PAI 104	BAT1225xBAT1337		6J	25	3B	38	73	1	N	9	5	8	6	5	83-741	85
PAI 105	BAT1225xBAT1337		6J	20	2B	39	73	3	N	9	6	5	7	5	83-670	85
PAI 106	DOR148xBAT1274		6J	21	3B	40	73	2	N	9	3	6	6	5	83-753	85
PAI 107	BAT1230xBAT795		6J	21	2A	39	73	.	N	9	6	7	6	7	83-619	
PAI 108	BAT1230xBAT795		6J	21	3A	39	73	.	N	9	6	7	7	5	83-709	
PAI 109	BAT1230xBAT795		6J	21	3A	41	73	.	N	9	6	7	7	5	83-710	
PAI 110	BAT1225xBAT740	BAT 1297	6M	27	3	37	68	1	N	7	6	8	2	9	84-970	86
PAI 111	BAT1225xBAT1136		.	.	.	.	.	.	N	.	.	.	.	.
PAI 112	BAT1225xBAT1136	BAT 1297	6M	28	2A	38	71	2	N	7	7	7	6	5	84-971	86
PAI 113	BAT1225xBAT1136		.	.	.	.	.	.	N	.	.	.	.	.
PAI 114	BAT1225xG14015		.	.	.	.	.	.	N	.	.	.	.	.
PAI 115	XAN58xBAT1296		.	.	.	.	.	.	N	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to							VEF		IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
PAI 116	BAT1225xBAT740		6	29	2B	36	66	.	N	7	5	9	5	7	84-972	
PAI 117	BAT1225xBAT1136	BAT 1297	6M	25	2A	36	69	.	N	7	7	8	7	3	84-973	
PAI 118	BAT1225xBAT1136	BAT 1297	6M	26	2A	35	67	1	N	7	7	8	7	3	84-974	86
PAI 119	BAT1225xBAT1155	BAT 1297	6M	27	2A	39	68	1	N	7	6	7	7	7	84-975	86
PAI 120	BAT1225xBAT1250	BAT 1297	6M	26	2B	35	71	.	N	7	4	.	4	5	84-976	
PAI 121	BAT1230xA40	BAT 1297	6M	23	2B	39	68	.	N	6	4	7	6	7	84-977	
PAI 122	BAT1230xA40	BAT 1297	6M	23	2B	39	68	.	N	7	5	8	5	5	84-978	
PAI 123	BAT1230x(G13922xBAT950)	BAT 1297	6M	24	2A	40	73	.	N	7	3	9	4	5	84-979	
PAI 124	BAT1230xBAT950	BAT 1297	6M	27	2A	36	68	.	N	7	2	9	5	7	84-980	
PAI 125	BAT1225xBAT1334	BAT 1297	6M	26	2A	35	68	.	N	8	7	8	4	5	84-981	
PAI 126	BAT1225xBAT1335	BAT 1297	6M	27	2B	36	69	.	N	8	6	8	6	7	84-982	86
PAI 127	BAT1225xBAT1337	BAT 1297	6M	24	2A	37	69	2	N	7	6	8	7	7	84-983	86
PAI 128	BAT1225xBAT896	BAT 1297	6M	25	2B	37	69	.	N	8	6	9	5	7	84-984	
PAI 129	BAT1225xBAT1155	BAT 1297	6M	26	2A	36	65	.	N	7	9	8	.	5	84-985	
PAI 130	BAT1230xA40	BAT 1297	6M	29	2A	36	66	2	N	7	6	8	6	7	84-986	86
PAI 131	BAT1230xA40	BAT 1297	6M	20	2A	40	71	.	N	7	4	9	5	5	84-987	
PAI 132	BAT1230xA40	BAT 1297	6M	22	2A	39	68	.	N	7	4	9	4	5	84-988	
PAI 133	BAT1225xG14015	BAT 1297	6M	24	2B	36	71	.	N	7	5	8	3	5	84-989	
PAI 134	A176xBAT1225	BAT 1297	6J	23	2	40	66	1	N	9	5	9	6	5	85-1213	
PAI 135	SEL260xBAT1276	BAT 1297	7M	25	2	41	73	.	N	6	5	9	4	5	85-1214	
PAI 136	SEL260xBAT1276	BAT 1297	7M	24	2	41	77	.	N	6	4	9	5	5	85-1215	
PAI 137	G6616xBAT1579	BAT 1297	6M	26	2	41	73	.	N	6	3	9	5	5	85-1216	
PAI 138	A502xBAT1297	BAT 1297	6J	22	2	35	62	.	N	6	5	7	4	5	85-1217	
PAI 139	BAT1145xBAT1579	BAT 1297	6J	21	2	36	66	.	N	5	6	7	4	7	85-1218	
PAI 140	BAT1145xBAT1579	BAT 1297	6J	20	2	36	66	.	N	4	6	7	4	7	85-1219	
PAI 141	BAT1774xA157	BAT 1297	6J	26	2	36	68	.	N	5	4	8	6	5	85-1220	
PAI 142	BAT1774xA157	BAT 1297	6J	28	2	36	71	.	N	5	6	7	6	5	85-1221	
PAI 143	BAT1225xBAT1254	BAT 1297	7J	28	2	36	66	.	N	5	6	9	5	5	85-1222	
PAI 144	BAT1225xBAT1254	NIMA	6M	29	2	37	67	.	N	5	3	9	3	5	85-1223	
PAI 145	BAT1225x(G4470x(G4523x(G4523x...	BAT 1297	7M	24	2	41	72	.	N	6	3	8	4	7	85-1224	
PAI 146	MOC29xG5701	BAT 1297	7M	16	2	34	61	.	N	.	7	7	6	7	87-534	
PAI 147	A502xBAT1297	BAT 1297	7M	23	2	31	67	.	N	.	1	7	7	4	87-535	
PAI 148	BAT1145xBAT1579	BAT 1297	7M	17	2A	35	67	.	N	.	7	7	7	4	87-536	
PAI 149	G5361xBAT1230	POMPADOUR	6M	26	2	35	63	.	N	.	3	7	8	6	87-537	
PAI 150	BAT841xBAT1225	BAT 1297	7M	23	2B	32	67	.	N	.	2	8	8	4	87-538	
PAI 151	BAT1774xA126	BAT 1297	7M	27	2A	34	66	.	N	.	2	7	8	5	87-539	89
PAI 152	BAT1774xA126	BAT 1297	7M	31	2A	35	67	.	N	.	2	8	7	3	87-540	
PAI 153	G4826xG18527	POMPADOUR	6M	40	2B	34	62	.	M	.	7	.	7	4	89-406	
PAI 154	SEL870xCAN47	.	.	.	.	.	.	.	M	.	.	.	.	.	.
PAI 155	AFR85xPAD28	.	.	.	.	.	.	.	M	.	.	.	.	.	.
PAI 156	G11826x(SEL973xG5167)	POMPADOUR	7M	28	2B	33	67	8	N	.	1	7	5	3	92-655	
PAI 157	SEL987xAFR244	POMPADOUR	7M	32	2B	33	67	8	N	.	1	6	6	3	92-656	
PAI 158	SEL987xAFR244	POMPADOUR	6M	36	1	31	68	4	N	.	1	6	5	2	92-504	
PAI 159	SEL972xG6507	POMPADOUR	7M	28	2B	36	69	8	N	.	1	6	6	3	92-657	
PAI 160	G11826x(SEL973xG5167)	POMPADOUR	7M	35	2B	34	70	5	N	.	1	6	5	3	92-658	
PAI 161	G11826x(SEL973xG5167)	POMPADOUR	6M	30	2B	34	69	8	N-M	.	1	6	5	3	92-505	
PAN 1	G5704xG5719	.	1	19	1	43	73	.	N	9	7	7	6	5	83-765	
PAN 2	G5704xG5719	.	1	20	1	42	84	.	N	9	8	7	6	5	83-764	
PAN 3	G5704xG5719	.	1	15	1	42	83	.	N	9	7	7	6	5	83-769	
PAN 4	BAT93x(G6401xSEL143)	.	1	17	3B	37	83	.	N	9	8	9	7	5	83-816	
PAN 5	G6402xG13922	.	1	23	1	36	83	.	N	9	6	9	5	5	83-760	
PAN 6	IN27xBAT338	.	1	22	1	36	83	.	N	9	8	9	6	5	83-762	
PAN 7	SEL8xBAT897	.	1	17	2A	40	83	1	N	9	7	7	6	5	83-773	
PAN 8	(BAT882xG4493)xBAT338	.	1	16	2A	43	83	2	N	8	7	7	5	1	83-778	
PAN 9	BAT48xBAT338	.	1	17	3B	40	85	.	N	9	6	7	5	1	83-812	
PAN 10	BAT340xBAT93	.	1	17	3B	40	73	.	N	9	7	7	3	5	83-805	

Line	Cross	Cult. type	Seed			Days to							VEF		IB	
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
PAN	11	BAT482xBAT338	1	19	3A	37	75	.	N	9	8	7	6	5	83-795	83
PAN	12	BAT1155xXAN51	1	17	3A	40	73	.	N	9	9	5	2	5	83-801	83
PAN	13	BAT740xBAT1061	1	17	3B	36	81	.	N	9	7	6	7	1	83-807	
PAN	14	BAT950xBAT1061	1	17	2A	37	81	4	N	9	6	7	7	5	83-776	
PAN	15	BAT340xG5765	.	.	.	.	.	.	N	.	.	.	.	.	.	.
PAN	16	BAT340xG5765	.	.	.	.	.	.	N	.	.	.	.	.	.	.
PAN	17	G4837xBAT1230	1	19	3A	41	83	.	N	9	7	7	7	5	83-793	
PAN	18	G4837xBAT1230	1	20	2B	36	83	1	N	9	8	8	6	5	83-782	
PAN	19	BAT336xG14015	1	17	2A	41	83	1	N	9	8	6	5	5	83-775	
PAN	20	BAT340xG14015	1	19	2A	36	83	1	N	9	6	7	5	1	83-771	
PAN	21	BAT340xG14015	1	19	3B	37	73	.	N	9	6	6	8	1	83-808	
PAN	22	BAT340xG14015	1	19	3B	36	83	2	N	9	7	7	7	5	83-817	
PAN	23	BAT1225xBAT1061	1	20	2B	40	83	1	N	9	6	7	8	3	83-781	
PAN	24	BAT1225xBAT1145	1	22	3B	36	73	.	N	9	6	7	8	5	83-806	
PAN	25	BAT1225xBAT1145	1	19	1	35	83	.	N	9	6	7	8	5	83-766	
PAN	26	BAT1230xBAT1061	1	19	2B	36	75	.	N	9	6	7	8	1	83-785	
PAN	27	BAT1061xBAT1225	1	18	2B	41	82	.	N	9	5	7	6	1	83-784	
PAN	28	BAT1061xBAT1225	1	20	2B	40	75	1	N	9	5	7	7	5	83-783	83
PAN	29	BAT1061xBAT1230	1	19	3B	36	83	.	N	9	7	6	6	1	83-814	83
PAN	30	BAT1061xBAT1230	1	21	2B	36	85	.	N	9	6	6	7	5	83-780	
PAN	31	G13500x(BAT93x(G4791x(G4791x(...	1	16	2A	41	85	.	N	9	7	6	1	1	83-779	
PAN	32	BAT338xBAT1061	1	16	2A	42	85	.	N	9	6	6	6	1	83-777	
PAN	33	BAT338xBAT1061	1	16	2A	42	85	3	N	9	6	7	5	1	83-774	83
PAN	34	G13920xG14023	1	17	3B	42	85	.	N	9	6	7	7	1	83-811	
PAN	35	(A23xIN26)xA492	1	23	1	41	88	2	N	9	4	9	6	5	83-763	
PAN	36	(A23xIN26)xA492	1	22	1	38	82	.	N	9	5	9	6	5	83-767	
PAN	37	A43x(G5772xG4000)	1	15	1	36	81	.	N	9	3	7	3	5	83-768	
PAN	38	BAT859xBAT338	SMALL WHITE	1	20	3	48	89	3	N	6	7	8	5	84-386	86
PAN	39	BAT859xBAT336	SMALL WHITE	1	20	3	48	88	.	N	7	7	8	5	84-387	
PAN	40	BAT1061xBAT1225	NAVY	1	24	3	47	87	2	N	7	6	8	6	84-388	86
PAN	41	BAT1061xBAT1230	NAVY	1	23	3	47	87	.	N	7	6	8	6	84-389	
PAN	42	A48x(BAT47xBAT1155)	SMALL WHITE	1	18	2B	48	87	.	N	8	8	9	4	84-390	
PAN	43	G13500x(BAT47xBAT1155)	SMALL WHITE	1	18	3	47	86	.	N	7	8	6	4	84-391	
PAN	44	G13500x(BAT47xBAT1155)	SMALL WHITE	1	19	3	47	87	.	N	8	8	8	4	84-392	
PAN	45	BAT1061xBAT1225	SMALL WHITE	1	22	3B	48	89	.	N	8	7	8	5	84-393	
PAN	46	SEL170xXAN82	SMALL WHITE	1	24	3	45	87	.	N	8	6	9	5	84-394	
PAN	47	SEL217xBAT1105	SMALL WHITE	1	21	2	47	82	.	N	7	6	8	4	84-395	
PAN	48	BAT271xBAT1320	NAVY	1	18	2A	48	83	1	N	8	7	7	4	84-396	86
PAN	49	BAT271xBAT1320	NAVY	1	16	2A	47	83	.	N	8	7	6	4	84-397	
PAN	50	BAT271xBAT1320	NAVY	1	17	2A	48	81	.	N	7	7	7	4	84-398	
PAN	51	EMP92xG13500	NAVY	1	20	2A	48	88	1	N	7	6	8	5	84-399	86
PAN	52	EMP92xG13500	NAVY	1	21	2A	46	87	1	N	7	6	8	5	84-400	86
PAN	53	EMP92xG13500	NAVY	1	19	2A	48	88	.	N	7	6	7	4	84-401	
PAN	54	EMP92xG13500	SMALL WHITE	1	19	2A	50	89	.	N	7	6	7	5	84-402	
PAN	55	EMP92xG13500	SMALL WHITE	1	19	2A	51	91	.	N	7	8	8	4	84-403	
PAN	56	EMP92xG13500	SMALL WHITE	1	19	2A	54	95	.	N	6	8	8	4	84-404	
PAN	57	EMP92xG13500	SMALL WHITE	1	19	2A	50	88	.	N	7	8	8	5	84-405	
PAN	58	EMP92xG13500	SMALL WHITE	1	20	2	49	87	.	N	7	7	8	5	84-406	
PAN	59	EMP92xG13500	SMALL WHITE	1	18	2A	50	86	.	N	7	7	7	3	84-407	
PAN	60	EMP92xG13500	SMALL WHITE	1	20	2A	49	87	.	N	7	7	5	5	84-408	
PAN	61	EMP92xG13500	NAVY	1	19	2A	49	88	.	N	7	7	8	4	84-409	
PAN	62	EMP92xG13500	SMALL WHITE	1	18	2	48	88	.	N	7	6	8	4	84-410	
PAN	63	BAT1061xBAT1320	SMALL WHITE	1	19	3	47	81	.	N	7	6	5	3	84-411	
PAN	64	BAT1061xBAT1320	SMALL WHITE	1	19	2	47	82	.	N	7	6	8	5	84-412	
PAN	65	G13500xBAT1320	NAVY	1	19	2	50	88	2	N	8	6	9	4	84-413	86
PAN	66	BAT338xDOR41	SMALL WHITE	1	21	2A	49	82	.	N	7	6	8	5	84-414	

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
PAN 67	BAT338xDOR44	NAVY	1	20	3B	49	89	.	N	7	6	8	6	7	84-415	
PAN 68	BAT338xG3645	NAVY	1	21	3	49	89	1	N	7	6	8	5	3	84-416	86
PAN 69	BAT338xG3645	NAVY	1	20	3	47	85	.	N	8	7	7	4	7	84-417	
PAN 70	BAT338xKAN86	NAVY	1	18	3	47	86	.	N	7	8	7	4	5	84-418	
PAN 71	BAT338xKAN86	SMALL WHITE	1	16	2	48	92	.	N	7	7	7	4	3	84-419	
PAN 72	BAT338xKAN86	NAVY	1	19	2	46	84	1	N	8	7	8	7	3	84-420	86
PAN 73	BAT338xKAN86	SMALL WHITE	1	14	2	49	88	.	N	8	8	8	5	5	84-421	
PAN 74	BAT338xKAN86	NAVY	1	15	2	49	88	.	N	8	8	8	3	5	84-422	
PAN 75	DOR41xBAT304	NAVY	1	20	2	47	85	.	N	7	7	8	5	7	84-423	
PAN 76	EMP92xBAT1320	NAVY	1	20	2	51	91	.	N	6	6	8	5	7	84-424	
PAN 77	EMP92xBAT1320	SMALL WHITE	1	17	2	49	89	.	N	7	8	8	4	7	84-425	
PAN 78	BAT1061xBAT1320	SMALL WHITE	1	17	2	47	89	.	N	7	6	6	3	5	84-426	
PAN 79	BAT1061xBAT1320	SMALL WHITE	1	20	2	47	86	.	N	7	6	9	7	3	84-427	
PAN 80	BAT1061xBAT1320	SMALL WHITE	1	20	2	47	90	.	N	7	6	8	5	3	84-428	
PAN 81	BAT1061xBAT1320	SMALL WHITE	1	20	2	49	87	.	N	7	6	8	6	5	84-429	
PAN 82	BAT1061xBAT1320	NAVY	1	19	2	49	89	2	N	7	6	8	6	5	84-430	86
PAN 83	BAT1061xG3645	SMALL WHITE	1	23	3	47	87	.	N	7	7	7	5	3	84-431	
PAN 84	EMP111xKAN78	NAVY	1	20	3	44	83	.	N	7	6	8	6	7	84-432	
PAN 85	EMP92xBAT58	SMALL WHITE	1	18	2	47	85	.	N	7	6	7	6	5	84-433	
PAN 86	EMP92xBAT58	SMALL WHITE	1	20	2	47	84	.	N	7	7	8	7	5	84-434	
PAN 87	EMP92xBAT58	SMALL WHITE	1	22	2	48	84	1	N	7	6	8	7	5	84-435	86
PAN 88	EMP92xBAT58	SMALL WHITE	1	20	2	47	81	.	N	7	6	8	5	3	84-436	
PAN 89	EMP92xBAT58	SMALL WHITE	1	24	2	47	81	.	N	7	8	8	6	5	84-437	
PAN 90	EMP92xBAT58	SMALL WHITE	1	20	2	48	83	.	N	7	5	8	5	3	84-438	
PAN 91	EMP92xBAT1500	SMALL WHITE	1	19	2	47	81	.	N	7	6	9	4	5	84-439	
PAN 92	EMP92xBAT1500	SMALL WHITE	1	21	2	49	82	.	N	7	6	9	5	5	84-440	
PAN 93	EMP92xBAT1500	SMALL WHITE	1	20	2	50	87	.	N	7	6	7	4	5	84-441	
PAN 94	EMP92xBAT1500	SMALL WHITE	1	22	3	51	90	.	N	7	6	7	4	5	84-442	
PAN 95	EMP92xEMP84	NAVY	1	21	2	47	81	.	N	7	6	7	5	5	84-443	
PAN 96	EMP92xEMP84	SMALL WHITE	1	21	2	46	83	.	N	7	7	8	7	7	84-444	
PAN 97	EMP92xEMP84	SMALL WHITE	1	21	2B	47	83	.	N	7	7	9	4	7	84-445	
PAN 98	BAT1061xG3807	SMALL WHITE	1	21	2	49	86	.	N	7	7	9	5	3	84-446	
PAN 99	BAT1145xG3807	SMALL WHITE	1	22	1	47	79	.	N	7	6	8	6	3	84-447	
PAN 100	BAT340xBAT1532	SMALL WHITE	1	19	2	48	82	.	N	8	8	9	4	3	84-448	
PAN 101	BAT1554xBAT340	SMALL WHITE	1	18	2	48	82	.	N	8	6	8	4	3	84-449	
PAN 102	BAT1145xBAT1532	SMALL WHITE	1	19	2	48	87	.	N	7	7	8	4	5	84-450	
PAN 103	BAT1145xBAT1554	NAVY	1	18	2A	49	87	1	N	7	6	8	7	5	84-451	86
PAN 104	BAT340xRAB164	NAVY	1	17	2	49	81	.	N	7	8	7	4	7	84-452	
PAN 105	BAT340xG4017	SMALL WHITE	1	20	3	48	87	.	N	7	6	9	7	5	84-453	
PAN 106	BAT340xBAT58	SMALL WHITE	1	19	2	47	81	.	N	7	7	7	5	3	84-454	
PAN 107	BAT1453xA471	SMALL WHITE	1	22	1	44	78	.	N	8	3	8	7	5	84-455	
PAN 108	BAT1386xSEL362	SMALL WHITE	1	19	3	50	88	.	N	7	7	8	4	5	84-456	
PAN 109	BAT338xBAT1061	SMALL WHITE	1	16	2	42	77	5	N	8	7	8	6	8	85-1225	
PAN 110	BAT340xBAT1145	NAVY	1	17	1	41	73	.	N	4	3	7	5	5	85-1226	
PAN 111	BAT340xBAT1145	SMALL WHITE	1	15	2	36	68	.	N	6	4	7	5	3	85-1227	
PAN 112	EMP86xBAT1198	SMALL WHITE	1	14	2	42	71	.	N	6	2	5	4	5	85-1228	
PAN 113	EMP86xBAT1198	NAVY	1	16	2	40	68	.	N	6	5	9	5	5	85-1229	
PAN 114	BAT1145xG4498	NAVY	1	16	2	41	73	3	N	9	7	8	6	7	85-1230	
PAN 115	BAT338xBAT1647	NAVY	1	14	2	39	73	.	N	6	7	7	5	5	85-1231	
PAN 116	G17720xEMP111	NAVY	1	19	2	39	76	.	N	9	7	9	7	7	85-1232	
PAN 117	SEL276xBAT1350	SMALL WHITE	1	18	2	42	75	.	N	6	3	9	3	5	85-1233	87
PAN 118	((BAT1061xBAT1320)x(BAT1280x`T1320))x...	SMALL WHITE	1	18	2	35	77	1	N	9	7	9	7	6	85-1234	87
PAN 119	SEL276xRAB164	NAVY	1	17	2	41	79	2	N	9	4	8	6	7	85-1235	
PAN 120	((BAT1061xBAT1320)x(BAT1280xBAT1320))x...	NAVY	1	16	2	43	80	1	N	8	6	8	5	5	85-1236	
PAN 121	((BAT1061xBAT1320)x(BAT1280xBAT1320))x...	SMALL WHITE	1	17	2	41	75	1	N	9	7	8	7	7	85-1237	
PAN 122	(G13500xBAT1320)xRAB165	NAVY	1	19	2	43	81	1	N	9	7	9	6	6	85-1238	

Line	Cross	Cult. type	Seed			Days to										VER Yr	IB YAN
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust			
PAN 123	(G13500xBAT1320)xG4017	NAVY	1	20	2	40	76	1	N	9	6	8	6	7	85-1239	87	
PAN 124	(BAT338xDOR41)xBAT1647	NAVY	1	18	2	40	73	1	N	9	6	8	6	5	85-1240	87	
PAN 125	(BAT338xDOR41)xBAT1647	NAVY	1	16	2	41	73	.	N	6	8	7	6	5	85-1241		
PAN 126	(BAT338xG3645)xBAT1658	NAVY	1	19	2	42	80	3	N	9	3	8	5	7	85-1242	87	
PAN 127	(G17720xBAT1320)xG4017	NAVY	1	18	2	37	77	.	N	7	7	8	6	5	85-1243	87	
PAN 128	(G17720xBAT1320)xG4017	NAVY	1	20	2	37	73	2	N	9	7	7	6	4	85-1244	87	
PAN 129	EMP92xG5453	SMALL WHITE	1	18	2A	42	82	1	N	9	6	7	7	6	85-1245	87	
PAN 130	DOR60xG3627	NAVY	1	17	2	43	77	.	N	9	7	8	6	7	85-1246		
PAN 131	MOC3xBAT1647	SMALL WHITE	1	19	2	40	77	1	O	9	6	7	6	8	85-1247		
PAN 132	BAT1061xG4498	NAVY	1	14	2	42	73	.	N	6	3	8	6	7	85-1248		
PAN 133	EMP86xBAT1198	NAVY	1	15	2	41	73	1	N	9	3	9	6	5	85-1249		
PAN 134	SEL275xBAT1716	NAVY	1	20	2	35	73	1	N	8	7	7	7	7	85-1250		
PAN 135	BAT1145xG4498	NAVY	1	22	2	40	74	1	N	8	6	8	6	7	85-1251		
PAN 136	BAT1061xG4498	NAVY	1	18	1	35	66	.	N	6	3	9	5	7	85-1252	87	
PAN 137	(EMP92xG13500)xG17719	SMALL WHITE	1	22	2A	.	77	.	N	8	4	6	7	8	86-481		
PAN 138	G17719xBAT1320	SMALL WHITE	1	16	2A	40	72	.	N	9	8	6	6	7	86-482		
PAN 139	BAT1145xG3807		1	20	2A	37	69	.	N	9	6	7	6	7	86-483		
PAN 140	(BAT338xDOR41)xBAT1577	SMALL WHITE	1	17	2A	37	70	.	N	9	6	7	6	7	86-484		
PAN 141	MOC28xG17700	NAVY	1	20	2B	35	73	.	N	9	8	5	6	7	86-485		
PAN 142	G17685xBAT1198	NAVY	1	17	2B	36	69	.	M	9	2	6	6	7	86-486		
PAN 143	MOC7x(BAT883xG17517)	NAVY	1	19	1	31	63	.	N-M	9	7	7	7	7	86-487		
PAN 144	G17631xG17683	NAVY	1	16	2B	41	72	.	N	9	1	8	6	6	86-488		
PAN 145	G17631xG17683	NAVY	1	20	1	34	67	.	N	9	7	8	7	7	86-489		
PAN 146	G5616xMOC3	NAVY	1	16	2A	33	71	.	L	9	6	7	7	7	86-490		
PAN 147	EMP86xBAT1198	NAVY	1	20	2A	38	71	.	N	8	4	7	7	7	86-491		
PAN 148	BAT1145xG4498	SMALL WHITE	1	16	2A	40	71	.	N	9	6	6	6	8	86-492		
PAN 149	BAT1145xBAT1554	SMALL WHITE	1	14	2A	41	71	.	N	9	6	7	5	8	86-493		
PAN 150	MOC2xBAT1647	SMALL WHITE	1	18	2A	40	71	.	N	9	7	7	6	7	86-494		
PAN 151	SEL275xBAT1572	SMALL WHITE	1	17	2A	40	71	.	N	9	6	7	6	7	86-495		
PAN 152	SEL275xRAB165	SMALL WHITE	1	19	2A	43	74	.	N	9	5	7	7	7	86-496		
PAN 153	SEL275xEMP116	NAVY	1	18	2A	40	71	.	N	9	5	7	7	7	86-497		
PAN 154	SEL276xBAT1350	SMALL WHITE	1	17	2A	40	70	.	N	9	4	7	5	7	86-498		
PAN 155	((BAT1061xBAT1320)x(BAT1280xBAT1320))x...		1	17	3	38	72	.	N	9	4	7	5	8	86-499		
PAN 156	(BAT338xDOR41)xBAT1647	NAVY	1	16	3	40	72	.	N	9	6	7	6	7	86-500		
PAN 157	BAT883xG17517	NAVY	1	15	2A	38	68	.	N	9	7	6	6	7	86-501		
PAN 158	BAT883xG17517	NAVY	1	17	2A	40	68	.	N	9	8	7	6	7	86-502		
PAN 159	G17548xG5874	NAVY	1	20	2A	38	67	.	N	9	2	7	6	8	86-503		
PAN 160	G17631xG17683	NAVY	1	17	2A	38	72	.	N	8	5	6	4	7	86-504		
PAN 161	BAT1061xG3807	NAVY	1	23	2A	38	69	.	N	9	1	8	6	7	86-505		
PAN 162	BAT1145xG4498	NAVY	1	16	2B	40	71	.	N	9	6	6	6	7	86-506		
PAN 163	((BAT1061xBAT1320)x(BAT1280xBAT1320))x...	SMALL WHITE	1	18	2B	41	72	.	N	9	6	6	4	7	86-507		
PAN 164	((BAT1061xBAT1320)x(BAT1280xBAT1320))x...	SMALL WHITE	1	16	2A	42	74	.	N	7	6	7	6	7	86-508		
PAN 165	(BAT338xG3645)xSEL272	SMALL WHITE	1	15	2B	40	72	.	N	9	5	6	7	8	86-509		
PAN 166	BAT883xG17517		1	15	2B	37	73	2	N	9	7	7	6	8	86-510	88	
PAN 167	BAT883xG17517	NAVY	1	17	2B	40	70	.	N	9	6	7	5	8	86-511		
PAN 168	BAT883xG17517	NAVY	1	15	2B	39	70	.	N	9	7	7	5	8	86-512		
PAN 169	G17631xG17683	NAVY	1	16	2B	42	74	3	N	9	3	6	6	7	86-513	88	
PAN 170	BAT340xBAT1320	NAVY	1	13	2A	41	74	.	N	9	6	5	5	7	86-514		
PAN 171	BAT1061xG4498	NAVY	1	19	2B	39	71	.	N	9	4	6	6	7	86-515		
PAN 172	(BAT338xG3645)xSEL272	SMALL WHITE	1	16	2B	38	69	.	N	8	6	7	5	7	86-516		
PAN 173	BAT1684xXAN135	NAVY	1	20	2B	39	69	.	N	7	6	6	5	7	86-517		
PAN 174	MOC2xBAT1647	SMALL WHITE	1	19	2B	41	73	.	N	9	7	7	5	8	86-518		
PAN 175	MOC2xBAT1647	SMALL WHITE	1	21	2B	39	72	.	M	9	7	8	5	8	86-519		
PAN 176	G17548xG5874	NAVY	1	18	2B	41	74	.	O	9	7	6	5	8	86-520		
PAN 177	G17548xG5874	NAVY	1	19	2B	41	74	.	N	8	4	5	5	7	86-521		
PAN 178	(G17719xBAT1320)xA220	NAVY	1	23	3	38	74	1	N	9	8	7	4	6	86-522		

Line	Cross	Cult. type	Seed			Days to									VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
PAN 179	MOC3xBAT1647	SMALL WHITE	1	20	3	40	74	.	N	9	7	5	6	7	86-523	
PAN 180	(EMP92xG13500)xG17719	NAVY	1	20	2B	42	79	.	N	9	9	6	5	7	86-524	
PAN 181	(EMP92xG13500)xG17719	NAVY	1	18	2A	44	72	1	N	9	9	8	5	6	86-525	
PAN 182	BAT304xG5652	NAVY	1	20	2B	42	75	.	N	8	8	7	6	8	86-526	
PAN 183	EMP86xBAT1198	NAVY	1	17	2B	38	68	.	N	7	2	7	5	7	86-527	
PAN 184	EMP86xBAT1198	NAVY	1	17	2B	38	70	.	N	8	8	7	6	6	86-528	
PAN 185	G17548xG5874	NAVY	1	19	2B	40	71	.	N	9	3	8	6	8	86-529	
PAN 186	MOC7x(BAT883xG17517)	NAVY	1	15	2A	38	69	.	N	9	8	7	7	7	86-530	
PAN 187	MOC7x(BAT883xG17517)	NAVY	1	15	2A	41	69	.	N	9	8	7	6	7	86-531	
PAN 188	((BAT1061xBAT1320)x(BAT1280xBAT1320))x...	SMALL WHITE	1	18	2A	39	70	.	N	7	6	7	6	7	86-532	
PAN 189	G17545xG17683	NAVY	1	19	2A	34	65	.	N	9	9	8	6	8	86-533	
PAN 190	G17545xG17683	NAVY	1	17	2A	.	70	.	N	9	9	8	6	8	86-534	
PAN 191	DOR37xG17683	NAVY	1	25	3	34	70	.	N	9	8	7	6	8	86-535	
PAN 192	DOR37xG17683	NAVY	1	19	3	40	71	.	N	9	8	7	6	7	86-536	
PAN 193	G17592xG17427	NAVY	1	18	1	37	71	.	N	9	1	7	6	8	86-537	
PAN 194	G18402xBAT1373	NAVY	1	24	1	36	73	4	N	9	6	7	5	7	86-538	88
PAN 195	G18402xBAT1373	NAVY	1	25	1	32	63	.	N-M	9	3	7	5	6	86-539	
PAN 196	G17720xG18352	NAVY	1	20	2A	32	68	.	N	.	9	7	8	7	87-1	
PAR 1458B	A43xG159		1	29	2A	44	89	.	N	9	7	7	5	5	83-845	
PAR 1460	A43xG159		1	33	3B	36	82	.	N	9	9	6	5	1	83-852	
PAR 1461	A43xG159		1	30	3A	37	82	.	N	9	7	7	6	5	83-848	83
PAR 1463	A43xG159		1	29	2B	36	82	.	N	9	6	8	5	5	83-846	
PAR 1467	BAT1113xG1471		1	31	1	36	75	.	N	9	4	7	6	5	83-833	83
PAR 1470	BAT1274x(G7929xG45)		1	33	1	36	75	.	N	9	6	7	7	1	83-825	83
PAR 1471	BAT1274x(G7929xG45)		1	34	1	35	75	.	N	9	6	7	6	3	83-822	
PAR 1474	G3628xG13921		1	33	1	36	75	8	N	9	8	7	6	1	83-827	
PAR 1475	G3628xG13921		1	31	1	46	82	.	N	9	7	7	6	1	83-834	83
PAR 1476	G3628xG13921		1	35	1	36	75	.	N	9	5	7	6	1	83-836	
PAR 1478	G3628xG13921		1	35	1	36	75	.	N	9	6	7	7	1	83-820	
PAR 1479	G3628xG13921		1	38	1	32	68	8	N	9	3	6	7	1	83-828	
PAR 1485	G13922xG6719		1	25	1	36	88	.	N	9	6	5	6	3	83-839	
PAR 1488	G13922xG6719		1	34	1	33	75	.	N	9	3	5	7	1	83-831	
PAR 1490	G13922xG6719		1	35	1	36	75	.	N	9	4	7	7	1	83-824	
PAR 1491	G13922xG6719		1	29	1	36	75	.	N	9	2	7	6	1	83-842	83
PAR 1492	G13922xG6719		1	27	1	36	85	.	N	9	5	6	6	1	83-835	
PAR 1498	BAT1274x(G7929xG45)		1	35	1	35	73	.	N	9	5	7	8	1	83-821	
PAR 1500	G3628xG13921		1	36	1	36	82	.	N	9	7	7	6	1	83-819	
PAR 1501	G3628xG13921		1	35	1	36	75	.	N	9	2	6	7	1	83-830	
PAR 1502	G13922xG6719		1	28	1	36	75	.	N	9	5	7	6	1	83-826	
PAR 1503	G13922xG6719		1	34	1	35	75	.	N	9	5	5	4	1	83-837	
PAT 1	A62xBAT1252		.	.	.	.	.	.	N	.	.	.	.	.	.
PAT 2	A62xBAT1252	BAT 1297	6M	30	2A	36	66	2	N	7	5	8	6	7	84-990	86
PAT 3	A62xBAT1252		.	.	.	.	.	.	N	.	.	.	.	.	.
PAT 4	A62xBAT1252		.	.	.	.	.	.	N	.	.	.	.	.	.
PAT 5	BAT841xBAT1225	BAT 1297	6M	26	2B	34	64	1	N	7	4	8	6	5	84-991	86
PAT 6	BAT841xBAT1230	BAT 1297	6M	27	2A	36	71	2	N	6	3	9	4	5	84-992	86
PAT 7	A62xBAT1225	BAT 1297	6M	27	3	36	68	.	M	8	3	8	3	5	84-993	
PAT 8	BAT1252xBAT1232	BAT 1297	6M	28	3	34	68	.	N	7	4	9	3	5	84-994	
PAT 9	A62xBAT1252	BAT 1297	6M	32	2A	35	66	1	N	7	4	9	6	7	84-995	86
PAT 10	A62xBAT1252	BAT 1297	6M	29	3	36	67	1	N	7	5	8	7	7	84-996	86
PAT 11	A62xBAT1252	BAT 1297	6M	30	2B	35	66	.	N	7	5	9	5	5	84-997	
PAT 12	A62xBAT1252	BAT 1297	6M	30	2B	35	66	.	N	7	2	9	6	5	84-998	
PAT 13	A62xBAT1252	BAT 1297	6M	29	2B	36	66	1	N	7	4	8	6	7	84-999	86
PAT 14	A62xBAT1252	BAT 1297	6J	26	2	37	64	.	N	6	4	7	5	5	85-1253	
PAT 15	A62xBAT1252	BAT 1297	6J	24	2	38	64	.	N	6	5	7	5	5	85-1254	
PBZ 1680	BAT561x(G12455xG2618)		2	20	3B	40	81	.	N	9	7	8	5	5	83-1110	

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
PBZ 1681	BAT561x(S1428xG2858)		2	20	3B	42	75	.	N	9	2	8	7	5	83-1057	
PBZ 1686	G12727xBAT561		2	21	3B	44	75	.	N	9	4	7	7	1	83-1101	
PBZ 1691	A5xG2618		2	20	3B	40	70	.	N	9	9	7	6	1	83-1098	
PBZ 1694	A54xV79017		2	23	2B	38	75	.	N	9	6	8	6	1	83-1009	
PBZ 1697	A57x((G3807xG5653)x(G4004x...		2	19	1	39	75	.	N	9	3	8	6	5	83-1147	
PBZ 1698	A78xBAT1215		2	19	3A	38	70	.	N	7	9	7	5	3	83-1035	
PBZ 1699	A98xA204		2	22	2B	39	70	.	N	9	3	7	7	5	83-1012	
PBZ 1701	A113xA147		2R	28	3B	43	79	.	N	9	2	7	6	5	83-1119	84
PBZ 1702	A113xA147		2R	19	3B	46	79	.	N	9	2	8	5	5	83-1118	
PBZ 1703	A113xA147		2	20	2B	42	79	.	N	9	5	7	7	5	83-1015	
PBZ 1704	A113xA147		2	25	2B	39	79	.	N	9	2	7	7	5	83-1010	
PBZ 1705	A147xA81		2	27	3B	40	79	.	N	9	3	7	6	1	83-1063	
PBZ 1706	A147xA81		2	22	3A	42	81	.	N	8	2	7	7	5	83-1036	
PBZ 1707	A147xA81		2R	23	3B	40	79	.	N	9	1	7	8	1	83-1120	
PBZ 1708	A147xA81		2R	24	3B	38	75	.	N	9	2	7	7	5	83-1121	
PBZ 1711	A157xBAT1113		2	26	3B	35	81	.	N	9	5	5	7	5	83-1064	
PBZ 1712	A169xG3807		2	20	3B	39	70	.	N	9	4	7	6	5	83-1100	
PBZ 1719	BAT93xG11069		2	22	3A	35	70	.	N	9	6	6	5	5	83-1033	
PBZ 1721	BAT93x(G22158xG2618)		3	19	3B	40	84	.	N	9	2	6	8	1	83-1131	
PBZ 1726	BAT332xG2858		2	22	3A	33	70	.	N	9	8	7	6	5	83-1024	84
PBZ 1727	BAT332xG2858		2	26	3A	41	77	8	N	9	4	7	7	1	83-1025	
PBZ 1728	BAT332xG2858		2	26	3A	39	70	.	N	9	6	7	7	5	83-1026	
PBZ 1730	BAT332xG2858		2	21	3A	33	70	.	N	9	7	7	4	5	83-1039	84
PBZ 1731	BAT332xG2858		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1732	BAT332xG2858		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1734	BAT332xG4317		2	22	3B	39	70	.	N	9	4	6	6	5	83-1055	
PBZ 1735	BAT527xG3470		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1736	BAT527xG3470		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1738	BAT527xG3470		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1740	BAT561xA64		2	23	3B	40	75	.	N	8	4	7	8	5	83-1104	
PBZ 1741	BAT561xA64		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1742	BAT561xA64		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1744	BAT561xA64		2	25	3B	40	81	.	N	8	4	7	7	5	83-1068	
PBZ 1745	BAT561xA64		4	20	3B	40	84	.	N	9	3	7	6	5	83-1139	
PBZ 1746	BAT561xA64		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1749	BAT561x(S1428xG2858)		2	22	3B	40	75	.	N	9	3	8	6	5	83-1056	
PBZ 1750	BAT561x(S1428xG2858)		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1751	BAT561x(S1428xG2858)		2	21	3A	36	66	.	N	9	2	7	7	5	83-1040	
PBZ 1752	BAT561x(G12455xG2618)		2	21	3B	39	80	.	N	9	2	8	7	5	83-1069	
PBZ 1753	BAT561x(G12455xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1754	BAT561x(G12455xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1755	BAT561x(G12455xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1756	BAT561x(G12455xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1757	BAT561x(G12455xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1759	BAT561x(G879xG2337)		2	17	3A	39	73	.	N	9	4	6	8	5	83-1041	
PBZ 1760	BAT561x(G879xG2337)		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1762	BAT561x(G1180xG2034)		2	22	3A	38	73	.	N	9	2	6	7	5	83-1043	
PBZ 1763	BAT561x(G1180xG2034)		2	19	3B	40	75	.	N	9	1	7	5	5	83-1107	
PBZ 1764	BAT561x(G1180xG2034)		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1765	BAT561x(G1180xG2034)		2	23	3B	43	75	.	N	9	1	6	7	1	83-1073	
PBZ 1766	BAT561x(G1805xG4453)		2	19	1	37	70	.	N	9	2	7	7	5	83-1146	
PBZ 1773	BAT561x(G7474xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.
PBZ 1775	BAT561x(G7474xG2618)		4	24	3B	40	81	.	N	9	4	5	8	5	83-1140	
PBZ 1776	BAT561x(G7474xG2618)		2	25	3A	33	68	8	N	9	2	6	7	3	83-1028	
PBZ 1777	BAT561x(G7474xG2618)		2	28	3A	36	70	.	N	9	3	6	7	5	83-1023	
PBZ 1778	BAT561x(G7474xG2618)		2	22	3B	38	73	.	N	9	2	7	7	5	83-1059	

Line	Cross	Cult. type	Seed			Days to			Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	F1	Mt	Fot							BCMV	Ent	YAN
PBZ 1779	BAT561x(G7474xG2618)		2	24	3B	38	73	.	N	9	3	7	7	5	83-1060	
PBZ 1780	BAT561x(G22147xG22163)		2	21	3B	40	79	.	N	9	4	6	7	5	83-1087	
PBZ 1784	BAT561x(G7474xG2618)		4	24	3B	46	79	.	N	9	3	5	5	5	83-1141	
PBZ 1786	BAT561x(G7474xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1787	BAT561x(G7474xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1788	BAT561x(G7474xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1789	BAT561x(G22147xG22163)		2	24	3A	34	68	.	N	9	2	6	8	5	83-1029	
PBZ 1797	G4017xG7148		2	23	3B	40	75	.	N	9	3	7	7	5	83-1092	
PBZ 1798	G4017xG7148		2R	23	3B	40	75	.	N	9	2	7	6	5	83-1114	
PBZ 1799	G4017xG7148		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1801	G4017x(G4000xG4017) F1		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1802	G4017x(G4000xG4017) F1		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1803	G4017x(G4000xG4017) F1		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1804	G4017x(G4000xG4017) F1		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1806	G1805xBAT93		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1808	G1805xBAT561		2	25	3B	41	75	.	N	9	2	7	8	3	83-1094	
PBZ 1811	G1805xG7148		2	31	3B	39	75	.	N	9	1	7	7	5	83-1095	
PBZ 1812	G1805xG7148		2	29	3B	35	70	.	N	9	1	7	6	1	83-1096	
PBZ 1814	(S28327xA375) F1x((RAO30xA59) F1x(...		3	22	3B	38	81	.	N	9	2	5	6	1	83-1136	
PBZ 1816	(S28327xA375) F1x((RAO30xA59) F1x(...		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1820	(S28327xA375) F1x((RAO30xA59) F1x(...		3	21	3B	38	81	.	N	9	2	6	8	1	83-1135	
PBZ 1823	G3807x(G2858xBAT1127) F1		2	22	3A	35	70	.	N	9	2	7	6	5	83-1031	
PBZ 1824	(INT248xA30) F4x(INT249xG8072) F5		2	20	2A	38	75	.	N	9	5	5	5	5	83-1005	
PBZ 1825	(INT248xA30) F4x(INT249xG8072) F5		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1826	(INT248xA30) F4x(INT249xG8072) F5		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1827	(INT248xA30) F4x(INT249xG8072) F5		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1832	V79018xA82		2R	22	3A	35	70	.	N	9	7	6	5	1	83-1046	
PBZ 1833	V79018xA82		2R	21	3B	40	81	.	N	9	6	7	6	5	83-1126	
PBZ 1834	V79018xA82		2R	17	3A	35	70	.	N	9	7	6	6	1	83-1049	
PBZ 1835	V79020xA94		2R	24	3B	42	81	.	N	9	5	7	5	1	83-1116	
PBZ 1836	V79020xA94		2R	21	3B	39	73	.	N	9	7	7	6	5	83-1127	
PBZ 1839	BAT258xG5059		2	17	2A	40	70	.	N	9	5	6	5	5	83-1006	
PBZ 1840	BAT258xG5059		4	20	2A	45	79	.	N	9	6	7	6	5	83-1008	
PBZ 1841	A113xA147		2	15	2B	41	75	.	N	9	5	7	6	1	83-1018	
PBZ 1842	V79020xA94		2	18	2B	42	75	.	N	9	6	7	6	1	83-1019	
PBZ 1843	BAT561x(G22147xG22163)		2	22	3B	42	73	.	N	9	2	7	6	1	83-1086	
PBZ 1844	BAT561x(G22147xG22163)		2	23	3B	40	73	.	N	9	1	7	7	5	83-1089	
PBZ 1845	BAT561x(G22147xG22163)		2	22	3B	42	75	.	N	9	4	7	8	1	83-1090	
PBZ 1846	BAT561x(G22147xG22163)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1847	BAT561x(G22147xG22163)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1848	BAT561x(G22147xG22163)		2	21	3B	42	75	.	N	9	4	7	8	1	83-1091	
PBZ 1849	G2874x(INT248xA32) F3		2	29	3B	36	75	.	N	9	1	6	7	1	83-1097	
PBZ 1851	G3807x(G1805xG2858)		2	29	1	38	70	.	N	9	2	8	6	5	83-1145	
PBZ 1852	G3807x(G2858xBAT1127) F1		2	24	3B	38	79	.	N	9	4	7	8	5	83-1112	
PBZ 1854	A82xA66		2R	25	3A	35	68	.	N	9	4	7	6	3	83-1047	
PBZ 1855	A5xG2618		2	19	3B	40	73	.	N	9	8	7	6	1	83-1099	
PBZ 1857	A113xA147		2R	19	3B	44	79	.	N	9	2	7	6	5	83-1117	
PBZ 1858	A113xA147		2	20	2B	40	79	.	N	9	3	8	7	5	83-1014	
PBZ 1859	A113xA147		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1860	A113xA147		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1861	A147xA81		2	23	3A	42	81	.	N	9	2	7	7	5	83-1037	
PBZ 1863	BAT332xA14		2	19	2A	34	65	.	N	9	6	7	4	1	83-1003	
PBZ 1864	BAT332xA14		2	26	2A	40	70	.	N	9	7	7	5	5	83-1004	
PBZ 1865	BAT332xG2858		2	22	3A	33	70	.	N	9	8	6	4	5	83-1038	
PBZ 1866	BAT332xG2858		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1867	BAT332xG2858		.	.	.	.	.	.	N	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to					VEF	IB				
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
PBZ 1868	BAT332xG2858		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1870	BAT332xG2858		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1871	BAT332xG2858		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1872	BAT561xA64		2	25	3B	40	81	.	N	9	3	7	7	5	83-1067	
PBZ 1873	BAT561xA64		2	24	3B	40	81	.	N	8	4	7	8	5	83-1103	
PBZ 1874	BAT561x(S1428xG2858)		2	21	3B	39	75	.	N	9	1	8	8	5	83-1105	
PBZ 1875	BAT561x(G12455xG2618)		2	19	2B	46	81	.	N	9	7	7	7	5	83-1016	
PBZ 1876	BAT561x(G12455xG2618)		2	22	3B	42	75	.	N	9	1	7	6	5	83-1070	84
PBZ 1877	BAT561x(G12455xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1878	BAT561x(G12455xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1880	BAT561x(G879xG2337)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1881	BAT561x(G7474xG2618)		2	23	3B	42	75	.	N	9	3	5	7	5	83-1078	84
PBZ 1883	BAT561x(G7474xG2618)		2	26	3B	43	75	.	N	9	2	7	6	1	83-1075	
PBZ 1884	BAT561x(G7474xG2618)		2	24	3B	38	75	.	N	9	4	6	7	5	83-1080	
PBZ 1885	BAT561x(G7474xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1886	BAT561x(G7474xG2618)		4	23	3B	39	79	.	N	9	2	5	4	1	83-1144	
PBZ 1887	G4017xG7148		2	22	3B	40	75	.	N	9	2	7	6	5	83-1111	
PBZ 1888	G4017xG7148		2R	25	3B	40	73	.	N	9	7	7	5	1	83-1124	
PBZ 1889	G4017x(G4000xG4017) F1		2R	24	3B	39	75	.	N	9	3	7	7	5	83-1125	
PBZ 1890	G4017x(G4000xG4017) F1		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1891	G1805xBAT93		2	25	3B	42	79	.	N	9	2	7	6	1	83-1093	
PBZ 1892	G3807xG4017		2	22	3A	38	75	.	N	9	2	8	7	5	83-1044	
PBZ 1893	G4000xG4017		2R	18	3A	42	75	.	N	9	2	7	7	5	83-1048	
PBZ 1894	A113xA147		2	19	2B	42	79	.	N	9	2	7	7	5	83-1013	84
PBZ 1896	BAT332xG2858		2	20	3A	30	70	.	N	9	8	7	5	5	83-1034	84
PBZ 1898	BAT561x(G1180xG2034)		2	19	3B	40	75	.	N	9	1	6	5	5	83-1108	
PBZ 1901	BAT561x(G7474xG2618)		2	24	3B	45	81	.	N	9	7	6	7	5	83-1076	
PBZ 1901A	BAT561x(G7474xG2618)		4	22	3B	45	79	.	N	9	2	6	5	5	83-1142	
PBZ 1902	G4017xBAT1200		2R	22	3B	40	79	6	N	9	4	7	6	5	83-1123	
PBZ 1969	(A23xINT248) F1x(G1853xA30) F1		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PBZ 1970	A78xBAT1215		2	22	2A	45	79	.	N	9	5	7	4	5	83-1000	
PBZ 1971	BAT561x(G879xG2337)		2	25	3B	46	81	.	N	9	3	6	7	5	83-1071	
PBZ 1972	BAT561x(G22147xG22163)		2	24	3B	43	79	.	N	9	1	7	7	1	83-1061	
PEF 1	A282xBAT477	MULATINHO	2	24	2B	33	60	.	N	.	7	.	6	7	89-148	
PEF 2	G2858x(BAT1354xA319) F1	BAYO MEXICANO	2	40	3	29	59	.	N	.	1	.	7	6	89-29	
PEF 3	A321xG3017	MULATINHO	2	30	3	33	62	.	N	.	6	.	7	7	89-149	
PEF 4	MAM4xG2858	BAYO MEXICANO	2	37	3	30	61	.	N	.	1	.	7	7	89-30	
PEF 5	G122xG4450	SANGRETORO	6	43	1	30	62	.	N	.	4	4	6	4	89-473	
PEF 6	G122xG4450	SANGRETORO	6	41	1	31	61	.	N	.	2	7	7	5	89-474	
PEF 7	G2858xBAT304	PINTO	2P	43	3	31	59	.	N	.	2	.	6	5	89-161	
PEF 8	A321x(G2858xBAT304) F1	BICO DE OURO	2	31	3	29	.	.	N	.	3	.	7	3	89-49	
PEF 9	A321xG2858	BAYO MEXICANO	2	39	3	30	59	.	N-M	.	1	.	7	5	89-31	
PEF 10	BAT477x(A321xG3017) F1	MULATINHO	2	26	3	34	61	.	N	.	6	.	8	4	89-150	
PEF 11	BAT304x(A321xBAT477) F1	MULATINHO	2	26	2B	34	61	.	N	.	7	.	5	7	89-151	
PEF 12	BAT477x(A321x(G2858xBAT304) F1) F1	MULATINHO	2	29	2B	32	60	.	N	.	8	.	7	4	89-152	
PEF 13	A409x(BAT85xG2858) F1	MULATINHO	2	24	2A	29	59	.	N	.	6	.	8	5	89-153	
PEF 14	G2858x(MAM2xG18441) F1	PINTO	2P	45	3	29	61	8	N	.	1	.	8	7	89-162	
PEF 15	(BAT477xG6488) F1x(G11893xA295) F1	BICO DE OURO	2	24	2A	34	62	.	N	.	7	6	7	6	89-50	
PEF 16	A329x(AR4607xG22079) F1	BICO DE OURO	2	33	2A	29	59	.	N	.	7	6	7	7	89-51	
PMX 1391	G4452xA57		2	38	1	33	73	.	N	9	6	8	3	1	83-872	
PMX 1392	G4452xA57		2	38	1	33	73	.	N	9	7	7	7	1	83-868	
PMX 1393	G13921xG11972		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PMX 1394	G13921xG11972		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PMX 1395	G13922x((A23xINT248)x(S25071x...		2	36	1	42	83	8	N	9	3	6	7	1	83-869	
PMX 1523	A30xG11041		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PMX 1525	A57xA200		.	.	.	.	.	.	N	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to							VEF		IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
PMX 1526	A57xA200								N									
PMX 1529	A57xA200		4J	25	2A	43	75	.	N	9	5	7	6	1	83-889	84		
PMX 1530	A57x(G1805xG5508) F1		2J	27	3B	36	81	.	N	9	6	6	7	5	83-996			
PMX 1532	A157xA57		2	28	2B	36	70	.	N	9	2	7	8	3	83-895			
PMX 1533	BAT76xG2618		2	35	3A	36	73	.	N	9	3	6	7	5	83-904			
PMX 1534	BAT76xG2618		2	39	3A	31	73	.	N	9	4	6	7	5	83-905			
PMX 1536	BAT332xG2858		2	25	3A	39	70	.	N	9	6	6	6	5	83-910			
PMX 1537	BAT332xG2858							.	N									
PMX 1542	BAT561x(G4388xG2402)		2	32	3B	39	82	.	N	9	3	8	7	5	83-923			
PMX 1543	BAT561x(G4388xG2402)		2	32	3B	40	82	.	N	9	6	7	8	5	83-924			
PMX 1544	BAT561x(G22147xG22163)		2	27	3B	36	73	.	N	9	1	7	7	1	83-927			
PMX 1547	BAT561x(G879xG2337)		2	26	3B	37	81	.	N	9	2	5	8	5	83-934			
PMX 1549	BAT1113xG7602							.	N									
PMX 1551	G5019xG4017							.	N									
PMX 1552	G5019xG4017							.	N									
PMX 1555	G7602xBAT76		2	37	3B	31	65	.	N	9	2	7	4	5	83-926			
PMX 1556	G7602xBAT76							.	N									
PMX 1558	G7602xBAT76							.	N									
PMX 1559	G7602xBAT76							.	N									
PMX 1561	(A23xINT248) F1x(G1853xA30) F1							.	N									
PMX 1562	(A23xINT248) F1x(G1853xA30) F1							.	N									
PMX 1564	G13921xG11972							.	N									
PMX 1565	G13921xG11972							.	N									
PMX 1566	G13921xG11972							.	N									
PMX 1567	A21xG10947		2M	30	3B	35	81	.	N	9	8	7	6	1	83-944			
PMX 1568	A21xG10947		2M	30	3B	35	81	.	N	9	8	6	5	1	83-937			
PMX 1570	A21xG10947		2M	29	3B	35	73	.	N	9	8	7	6	1	83-945			
PMX 1571	A30xG10981		2M	27	3B	33	81	.	N	9	7	7	6	1	83-947			
PMX 1573	A30xG10981							.	N									
PMX 1574	A67x(G1805xG2858)		2M	31	3B	40	81	.	N	9	5	7	7	1	83-943			
PMX 1575	A67x(G1805xG2858)		2M	36	3B	33	81	.	N	9	4	6	6	5	83-938			
PMX 1576	A67x(G1805xG2858)		2M	34	3B	33	81	.	N	9	5	6	6	5	83-939			
PMX 1577	A68x(INT256xG3807)		2M	30	3B	36	77	.	N	9	4	7	6	1	83-948			
PMX 1579	BAT76x(G879xG2402)		2M	28	3B	33	75	.	N	9	5	7	5	1	83-949			
PMX 1580	BAT93x(G1211xG2858)							.	N									
PMX 1582	BAT93x(G2402xG879)		2M	24	3B	35	70	.	N	9	7	7	8	3	83-951			
PMX 1583	BAT93x(G2402xG879)		2M	30	3B	40	79	.	N	9	8	7	5	5	83-952			
PMX 1584	BAT93x(G2402xG879)		2M	31	3B	37	70	.	N	9	9	6	6	5	83-950			
PMX 1588	BAT561x(G4388xG2402)		2M	31	3B	41	81	.	N	9	6	6	7	5	83-965			
PMX 1589	BAT838x(G2402xA5) F4		2M	28	2B	35	70	.	N	7	8	8	7	5	83-896	84		
PMX 1590	BAT838x(G2402xA5) F4		2M	26	2B	37	70	.	N	9	8	9	6	5	83-897	84		
PMX 1591	BAT838x(G2402xA5) F4		2M	23	2B	39	73	.	N	7	7	9	6	1	83-898	84		
PMX 1592	A462x(A445x((A321xG3017) F1x(...		2M	28	3B	36	75	.	N	9	5	7	6	5	83-967			
PMX 1593	BAT93x(G7164xG2402)							.	N									
PMX 1594	BAT332xG2858		2M	28	3B	35	75	.	N	9	4	7	6	5	83-962			
PMX 1595	BAT332xG2858		2M	23	3B	41	75	.	N	9	5	7	6	5	83-960			
PMX 1596	BAT332xG2858		2M	30	3B	30	66	.	N	9	7	6	6	5	83-958			
PMX 1597	BAT332xG2858		2M	24	3B	34	75	.	N	9	5	7	6	5	83-961			
PMX 1598	BAT332xG2858		2M	21	3B	41	75	.	N	9	6	7	6	5	83-959		84	
PMX 1599	BAT332xG2858		2M	24	3A	35	73	.	N	9	3	7	6	1	83-914			
PMX 1600	BAT448x(G5764xG2858)		2M	22	3B	35	70	.	N	9	4	6	5	5	83-977			
PMX 1601	BAT448x(G5764xG2858)		2M	22	3B	35	70	.	N	9	5	5	7	3	83-963			
PMX 1602	BAT561x(G4388xG2402)		2M	32	3B	37	72	.	N	9	5	7	8	5	83-930			
PMX 1603	BAT561x(G4388xG2402)		2M	31	3B	39	82	.	N	9	6	7	7	5	83-928			
PMX 1604	BAT93x(G5727xG2858)		2M	26	3A	30	63	7	N	9	5	7	7	1	83-913			
PMX 1605	BAT93x(G5727xG2858)		2M	30	3B	30	70	.	N	9	3	6	6	5	83-953			

Line	Cross	Cult. type	Seed			Days to					VEF	IB					
			col.	Wt	Hab	F1	Mt	Fot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
PMX 1606	BAT93x(G7164xG2402)		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
PMX 1607	BAT93x(G7164xG2402)		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
PMX 1608	BAT93x(G7164xG2402)		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
PMX 1609	BAT93x(G7164xG2402)		2M	25	3B	36	83	.	N	9	8	5	6	1	83-956		
PMX 1610	BAT93x(G7164xG2402)		2M	26	3B	36	75	.	N	9	9	6	6	1	83-957		
PMX 1613	G2858xBAT76		2M	31	3B	33	75	.	N	9	3	6	6	5	83-979		
PMX 1614	G2858xBAT76		2M	28	3B	33	75	.	N	9	2	7	6	5	83-968		
PMX 1615	G2858xBAT76		2M	29	3B	33	70	.	N	9	2	6	6	5	83-969		
PMX 1616	G2858xBAT93		2M	28	3B	32	81	.	N	9	2	6	7	5	83-970		
PMX 1617	G2858xBAT93		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
PMX 1619	G2858xBAT93		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
PMX 1620	BAT332xG2858		2M	32	3B	35	75	.	N	9	3	7	7	1	83-971		
PMX 1621	G2858xBAT448		2M	23	3B	41	73	.	N	9	1	7	6	1	83-980		
PMX 1622	G2858xBAT448		2M	27	3B	41	73	.	N	9	1	7	6	1	83-972		
PMX 1623	G2858xBAT448		2M	25	3B	43	73	.	N	9	4	7	6	1	83-973		
PMX 1624	G2858xBAT448		2M	26	3B	44	80	.	N	9	2	7	7	1	83-974		
PMX 1625	G2858xBAT1127		2M	26	3B	31	70	.	N	9	8	7	5	1	83-975		
PMX 1626	G2858xG13922		2M	31	1	33	68	.	N	9	4	7	7	3	83-875		
PMX 1628	G2874x (INT248xA32) F3		2M	31	3B	36	73	.	N	9	2	7	7	1	83-942		
PMX 1629	G3807x (G2858xBAT1127) F1		2M	22	3A	38	73	.	N	9	7	7	8	5	83-915		
PMX 1630	G3807x (G2858xBAT1127) F1		2M	20	3A	41	73	.	N	9	5	7	8	5	83-916		
PMX 1631	G13922x (G12670xG2858) F1		2M	25	1	33	68	.	N	9	5	7	6	1	83-874		
PMX 1632	V79018x (G2402xA5)		2M	26	3B	38	81	.	N	9	3	7	7	1	83-976		
PMX 1633	A67x (G2910xA19) F3		2R	28	3B	36	81	.	N	9	2	7	6	5	83-981		
PMX 1635	A67x (G2910xA19) F3		2R	27	3B	36	89	.	N	9	2	7	7	1	83-982		
PMX 1636	A67x (G2910xA19) F3		2R	34	3B	34	75	.	N	9	6	7	7	5	83-983		
PMX 1637	BAT76x (G4391xG2910)		2R	24	3B	39	70	.	N	9	3	7	4	1	83-987		
PMX 1638	BAT76x (G4391xG2910)		2R	27	3B	39	70	.	N	9	2	7	5	1	83-984		
PMX 1639	BAT93x (G2402xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
PMX 1640	BAT93x (G879xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
PMX 1641	BAT93x (G879xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
PMX 1643	BAT93x (G879xG2618)		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
PMX 1647	BAT561x (G22147xG22163)		2R	27	3B	35	73	.	N	9	3	7	7	5	83-993		
PMX 1648	G4017xG2618		2R	37	3B	36	73	.	N	9	3	5	7	5	83-990		
PMX 1649	G4017xG2618		2R	29	3A	39	70	.	N	9	4	7	7	5	83-917		
PMX 1650	G4017xG2618		2R	31	3B	37	73	.	N	9	4	6	7	5	83-991		
PMX 1651	G4017xG2618		2R	36	3A	35	77	.	N	9	1	5	8	3	83-918		
PMX 1652	G4017xG2618		2R	33	3B	37	73	.	N	9	7	7	7	5	83-985		
PMX 1653	V79018x (G2910xA19) F3		2R	26	3B	36	73	.	N	9	6	7	7	5	83-995		
PMX 1654	G4017xG2618		4	43	3B	39	73	.	N	9	2	5	7	1	83-999		
PMX 1655	G4017xG2618		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
PMX 1656	BAT76xG2618	NEGRO	8	33	3B	36	77	.	N	9	1	7	7	1	83-111		
PMX 1657	BAT76xG2618	NEGRO	8	26	3B	37	77	.	N	9	1	8	7	1	83-101		
PMX 1658	BAT76xG2618	NEGRO	8	31	3B	40	81	.	N	9	2	8	6	1	83-112		
PMX 1659	BAT448xG7602	NEGRO	8	30	3B	36	81	.	N	9	2	7	5	3	83-114		
PMX 1660	BAT448xG7602	NEGRO	8	26	3B	40	81	.	N	9	2	6	3	1	83-115		
PMX 1661	A21xG10947		2M	28	3B	36	81	.	N	9	8	6	6	1	83-946		
PMX 1662	A21x (G22034xG6474) F1		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
PMX 1663	A21x (G22034xG6474) F1		.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
PMX 1665	BAT561x (G22147xG22163)		2	21	3A	40	70	.	N	9	7	7	7	1	83-912		
PMX 1668	BAT561x (G22147xG22163)		2	20	3B	40	73	.	N	9	5	6	8	5	83-935		
PMX 1669	BAT448x (G5764xG2858)		2M	22	3B	35	70	.	N	9	4	6	6	3	83-978		
PMX 1670	BAT93x (G7164xG2402)		2M	27	3B	38	75	.	N	9	7	6	6	1	83-954		
PMX 1671	BAT93x (G7164xG2402)		2M	27	3B	42	75	.	N	9	8	6	6	1	83-955		
PMX 1673	G4017xG2618		2R	37	3B	35	73	.	N	9	3	7	7	5	83-988		
PMX 1674	G4017xG2618		2R	33	3B	41	73	.	N	9	6	7	7	1	83-986		

Line	Cross	Cult. type	Seed			Days to				BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Pot										
PMX 1676	A21x (G22034xG6474) F1									N								
PMX 1682	BAT448xG7602	NEGRO	8	27	3B	39	77			N	9	2	7	5	1	83-113		
PMX 1695	A56xA57		2	26	2A	39	73			N	9	2	6	8	1	83-887		
PMX 1710	A157xA57		2	28	2A	39	83			N	9	7	8	6	5	83-888		
PMX 1795	G4017xG2618		2R	28	3B	42	81			N	9	2	6	7	5	83-994		
PMX 1835	V79020xA94		2R	24	3B	41	85			N	9	8	7	5	1	83-992		
POA 1	SUG47xCAL103	CITARA	6M	49	1	33	82			N-M		1	5	6	3	93-382		
POA 2	SUG58xCAL103	CITARA	6M	52	1	34	84			M		1	5	6	3	93-383		
POA 3	PAD96xAND719	CITARA	6M	46	2A	34	84			N		4	5	8	4	93-384		
POT 51	A382xG4495	NEGRO	8	25		36	72			N		1	7	7	4	92-750		
PRE 1	G18446xBAT304									N								
PRE 2	A444xBAT304									N								
PRE 3	A444xBAT304									N								
PRE 4	A444xBAT304									N								
PRE 5	A444xBAT304									N								
PRE 6	A444xBAT304									N								
PRE 7	A59xG2923									N								
PRE 8	A59xG2923									N								
PRE 9	A59xG2923									N								
PRE 10	BAT304xG3017									N								
PRE 11	BAT304xG3017									N								
PRE 12	BAT304xG3017									N								
PRE 13	G577xNAG30									N								
PRE 14	G1345xXAN145									N								
PRE 15	G1345xXAN145									N								
PRE 16	G1345xXAN145									N								
PRE 17	G1345xXAN145									N								
PRE 18	G1345xXAN145									N								
PRE 19	G1965xXAN146									N								
PRE 20	G1965xXAN146									N								
PRE 21	G1965xXAN146									N								
PRE 22	G2858xBAT304									N								
PRE 23	G2858xBAT304									N								
PRE 24	G3807xBAT67									N								
PRE 25	RAB60xG4965									N								
PRE 26	G4830xAR4607									N								
PRE 27	(A54xBAT41) x (RAB25xBAT304)									N								
PRE 28	(BAT304xG3017) x (G1965xXAN146)									N								
PRE 29	(BAT304xG3017) x (G1965xXAN146)									N								
PRE 30	(BAT304xG3017) x (G1965xXAN146)									N								
PRE 31	(BAT304xG3017) x (G1965xXAN146)									N								
PRE 32	BAT477x (A321xG3017)									N								
PRE 33	A329x (BAT93x (G5737xG22079))									N								
PRE 34	A59xG2923									N								
PRE 35	BAT304xG3017									N								
PRE 36	BAT304xG3017									N								
PRE 37	BAT304xG3017									N								
PRE 38	BAT304xG3017									N								
PRE 39	G577xNAG30									N								
PRE 40	G577xNAG30									N								
PRE 41	G1345xXAN145									N								
PRE 42	G1965xXAN146									N								
PRE 43	G1965xXAN146									N								
PRE 44	G1965xXAN146									N								
PRE 45	(BAT85xIN135) x (G12494xA59)									N								
PRE 46	(BAT304xG3017) x (G1965xXAN146)									N								

Line	Cross	Cult. type	Seed			Days to							VEF	IB			
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
PRE	47	(BAT304xG3017)x(G1965xXAN146)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	48	(BAT304xG3017)x(G1965xXAN146)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	49	(BAT304xG3017)x(G1965xXAN146)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	50	(G577xNAG30)x(G3255xG3017)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	51	(G1345xXAN145)x(A496xXAN112)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	52	A321x(G2858xBAT304)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	53	A321x(G2858xBAT304)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	54	BAT76x(MAM10xG2858)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	55	XAN40x(A59xG2793)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	56	IN173x((BAT304xG3017)x(G1965x...))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	57	IN173x((BAT304xG3017)x(G1965x...))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	58	G2923x((A496xXAN112)x(G2883x...))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	59	A301xG2923	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	60	A301xG2923	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	61	A301xG2923	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	62	A301xG2923	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	63	A445x(G4830x(BAT93x(G5727x...))	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	64	G811xBAT304	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	65	G1345xXAN145	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	66	G1965xXAN146	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	67	(BAT304xG3017)x(G1965xXAN146)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	68	BAT477xG2883	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	69	A301xG1345	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	70	G57xA186	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	71	IN135x(A321xG3017)	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	72	A301xG1345	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
PRE	73	G3017x(G3017x(G3017x(G3017x...))	NEGRO	8	20	2A	35	68	.	.	.	.	.	.	7	7	91-443
PRE	74	G5270xNAG20	NEGRO	8	22	2B	35	68	.	.	.	.	.	.	7	7	91-444
PRE	75	NAG20xMUS1	NEGRO	8	23	2A	35	68	.	.	.	.	.	.	6	7	91-445
PRE	76	BAT304x(G3017xG22241)	NEGRO	8	23	2A	35	68	.	.	.	.	.	.	7	7	91-446
PRE	77	BAT304x(G3017xG22241)	NEGRO	8	21	3	35	68	.	.	.	.	.	.	7	7	91-447
PVA	5	BAT1274xG22147	DUVA	6	51	1	43	86	8	M	.	7	7	8	7	3	84-289
PVA	6	BAT1274xG22147	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	7	BAT1274xG22147	DUVA	6	49	1	34	62	.	M	.	6	.	.	7	4	89-303
PVA	8	BAT1274xG22147	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	9	BAT1274xG22147	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	10	BAT1274xG22147	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	11	BAT1274xG22147	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	12	BAT1274xG22147	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	13	BAT1274xG22147	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	14	BAT1274xG22147	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	15	BAT1274xG22147	DUVA	6	57	1	43	81	.	M	.	7	8	6	6	3	84-290
PVA	18	BAT1274xG22147	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	19	G5118xG13921	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	20	A23xG583	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	26	G5118xG13921	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	31	G13921xG3642	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	33	G5118xG13921	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	38	G5118xG13921	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	39	G13921xG11972	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	41	G13922xG7048	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	43	G13922xG7048	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	46	G13922x(G22147xG6474) F6	DUVA	6	53	1	43	82	.	M	.	7	6	8	5	3	84-291
PVA	47	A36xBAT504	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	48	A115xG5066	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA	49	BAT49xG4830	.	.	.	.	.	.	.	M	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to				BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Pot	Ent								Ent	YAN
PVA 50	BAT49xG4830		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 54	BAT760xG677		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 56	BAT760xG4770		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 57	G6379xBAT1256		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 58	G6379xBAT1256		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 60	(G22147xA30) F1x(G21721xG6474) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 61	G23xBAT93		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 64	G45xG5066		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 68	XAN42xA192		6M	37	2B	36	70	6	M	9	8	7	3	1	83-623	.	.	
PVA 72	G302xG5478		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 73	XAN42xA192		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 74	G677xG5694		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 76	G1642xBAT93		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 77	G1642xG3807		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 78	XAN42xA192		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 79	XAN42xA192		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 80	XAN42xA192		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 82	BAT332x(G6617xA30)		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 90	G1853xG4017		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 92	G1853xG5694		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 93	G1853xINT223		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 94	G2034xA11		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 95	G2856xG153		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 96	BAT950xG6587	CALIMA	6M	45	1	41	85	.	M	7	4	5	6	3	84-292	.	.	
PVA 97	G2887xG7148		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 103	G3807xG5701		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 104	(G6493xXAN108) F1x(G4824xA227) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 105	G3807xINT248		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 106	G3807xG14013		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 107	G3834xG4791		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 109	BAT1249xA191	CALIMA	6M	61	1	42	82	.	M	7	8	8	4	3	84-293	.	.	
PVA 110	BAT1249xA191		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 111	BAT1249xA191		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 112	BAT1249xA191		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 113	BAT1249xA191		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 114	BAT1249xA191		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 115	BAT1249xA191		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 117	G4004xG45		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 120	G4004xG3807		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 121	G4004xG4000		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 122	G4004xG6499		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 123	G4004xINT233		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 130	BAT1256x(G21721xG583) F4		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 133	BAT1256x(G21721xG583) F4		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 134	G4421xG5694		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 135	BAT1256x(G21721xG583) F4		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 140	BAT1256x(G21721xG583) F4		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 143	G4470xG22160		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 144	G4482xG13497		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 145	G4495xG2115		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 149	BAT1256x(G21721xG583) F4	CALIMA	6M	47	1	41	80	.	M	7	9	7	5	3	84-294	.	.	
PVA 151	G4770xG153		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 152	G4770xG5066		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 158	BAT1256x(G21721xG583) F4		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 159	G5019xBAT49		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.
PVA 160	G5019xBAT76		.	.	.	.	.	.	M	.	.	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to					Rust	Yr	VEF Ent	IB YAN	
			col.	Wt	Hab	F1	Mt	Fot	BCMV	Emp					Ant	CBB	ALS
PVA 161	G5019xG3807		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 162	G5019xG4000		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 163	G5019xG4017		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 164	G5019xG7148		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 165	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 168	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 169	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 170	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 172	G5066xG14024		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 174	G5102xBAT93		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 179	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 193	G5653xG5694		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 195	G5896xBAT1113		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 199	BAT1256x(G21721xG583) F4		6M	40	1	30	65	M	9	7	5	6	1	83-315	
PVA 212	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 213	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 214	G6529xG3807		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 215	G6529xG4000		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 216	G6529xG7148		6M	39	1	31	64	M	9	5	6	7	1	83-316	
PVA 227	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 233	G6730xG22160		6M	45	1	32	66	M	8	7	6	5	1	83-317	
PVA 235	G6949xBAT93		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 236	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 237	G7148xA36		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 241	G7148xG8043		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 242	G7148xINT224		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 243	G7148xG22160		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 246	G7164xG3960		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 247	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 248	G7422xG1540		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 249	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 250	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 251	BAT1256x(G21721xG583) F4		6M	40	1	33	66	M	9	6	7	6	1	83-318	
PVA 252	BAT1256x(G21721xG583) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 253	G7929xG6499		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 254	G7930xG45		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 256	G7932xG3807		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 257	G7932xG4000		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 259	G7951xG6499		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 262	BAT1258x(G14016xG12727) F1		8	48		31	65	M	8	4	6	6	1	83-319	85
PVA 263	BAT1258x(G14016xG12727) F1		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 264	G8147xG4770		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 270	G14016xG4770		6M	41	1	34	77	M	9	7	6	5	1	83-320	
PVA 273	G22147xA36	NIMA	6M	50	1	43	82	M	7	8	7	7	3	84-295	
PVA 274	G22147xG22		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 275	G22147xG6474		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 276	BAT1274xG22147		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 279	INT222xG5066	CALIMA	6M	53	1	43	80	M	7	3	8	6	3	84-296	
PVA 280	INT222xG13497		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 281	INT222xINT237		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 286	INT229xG1771	POMPADOUR	7M	23	1	42	85	N	9	2	5	6	7	84-297	
PVA 287	INT230xG7460	POMPADOUR	7M	28	1	42	85	N	8	4	7	7	5	84-298	
PVA 288	BAT1276xG4978		6M	48	1	34	70	5	9	6	7	3	1	83-325	85
PVA 291	G1853xA114	NIMA	6M	40		43	91	4	8	4	8	6	5	84-299	86
PVA 295	BAT1274x(G6617xG2618) F4		.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 303	G11893xG7951		.	.	.	.	.	M	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV								
PVA 304	G21721xG6474								M								
PVA 309	G1853x((S25084xA21)F4x(S25071x...		6M	50	1	34	70		M	9	7	7	3	1	83-327		
PVA 313	INT252xG6474								M								
PVA 315	G70xBAT1222								M								
PVA 324	A22x(G3960xG7930)F1		6M	34	1	34	67		M	9	6	6	6	1	83-436		
PVA 325	INT257xG3807		6M	33	1	33	73		M	9	7	7	6	1	83-329		
PVA 329	INT258xA30		7M	43	1	34	73		M	9	6	7	3	1	83-489		
PVA 332	A22x(G3960xG7930)F1								M								
PVA 337	A22x(G3960xG7930)F1		6M	55	1	33	70		M	9	6	6	7	1	83-330		
PVA 340	INT264xG5066		6M	48	1	34	70	5	M	9	2	4	7	1	83-482		85
PVA 341	G4452xBAT1274								M								
PVA 342	G4452xBAT1274								M								
PVA 343	G22151xG3807		6M	50	1	36	70		M	9	7	7	6	1	83-483		
PVA 348	G4452xBAT1274								M								
PVA 349	G4452xBAT1274								M								
PVA 350	G4452xBAT1274		6M	53	1	34	70		M	9	7	6	6	1	83-332		
PVA 351	G4452xBAT1274								M								
PVA 352	G4452xBAT1274		6M	47	1	34	73		M	9	1	5	6	1	83-333		
PVA 353	G4452xBAT1274								M								
PVA 354	G4452xBAT1274								M								
PVA 355	G4452xBAT1274								M								
PVA 356	G4452xBAT1274								M								
PVA 357	G4452xBAT1274								M								
PVA 358	G4452xBAT1274								M								
PVA 359	G4452xG13921	CALIMA	6M	53	1	42	80		M	7	7	6	5	3	84-300		84
PVA 360	G4452xG13921								M								
PVA 361	G4452xG13921		6M	46	1	34	77		M	9	7	5	6	1	83-338		
PVA 362	G4452xG13921								M								
PVA 363	G4452xG13921								M								
PVA 364	G4452xG13921								M								
PVA 365	G4452xG13921								M								
PVA 366	G4452xG13921	NIMA	6M	53	1	42	80		M	7	4	6	5	3	84-301		
PVA 367	G4452xG13921								M								
PVA 368	A34xG6499								M								
PVA 369	A40xG4452								M								
PVA 372	BAT76xINT247								M								
PVA 374	BAT93xG5659		6M	46	1	34	73		M	9	2	6	6	1	83-339		
PVA 375	BAT93xINT229								M								
PVA 377	BAT332xG2858		6M	49	1	33	68		M	9	7	6	6	1	83-340		
PVA 383	G18xG2618								M								
PVA 384	G4452xG13921								M								
PVA 385	G22xG2618								M								
PVA 386	G4452xG13921		6M	44	1	31	66	4	M	9	2	7	6	1	83-341		85
PVA 387	G23xG7164		6M	43	1	32	73		M	9	2	7	7	1	83-342		
PVA 388	G51xG23								M								
PVA 389	G51xG153								M								
PVA 390	G4452xG13921								M								
PVA 392	G153xG122								M								
PVA 394	G153xG14019								M								
PVA 395	G153xG14474		6M	56	1	31	73		M	9	7	5	7	1	83-359		
PVA 396	G153xINT249								M								
PVA 397	G4452xG13921		6M	50	1	37	75	8	M	9	4	5	7	1	83-343		85
PVA 398	G4452x(G153xG14013)F4		6M	39	1	35	77		M	9	7	6	5	1	83-350		
PVA 400	G70xBAT1222								M								
PVA 410	G1242xG23								M								
PVA 411	G5118xG13921								M								

Line	Cross	Cult. type	Seed			Days to			BCMV	Emp	Ant	CBB	ALS	Rust	VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot									Yr	Ent	YAN
PVA 412	G1771xBAT76		6M	31	1	33	63	.	M	9	2	7	7	1	83-449	
PVA 414	G1805xBAT93		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 416	G8043x(G8043xG4000)		6M	46	1	34	68	.	M	9	6	7	5	1	83-356	
PVA 417	G8043x(G8043xG4000)		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 418	G8043x(G8043xG4000)		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 420	G8043x(G8043xG4000)		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 423	G22158xG1853		6M	35	2B	35	77	8	M	9	4	7	7	3	83-622	
PVA 424	G22158xG1853		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 425	G2618xG14474		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 426	G22158xG1853		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 429	G4482xG2618		6M	50	1	36	75	.	M	9	3	6	8	1	83-353	
PVA 430	G4721xG3645		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 431	G5118xG13921		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 434	G2858xG13922		6M	30	3A	37	73	.	M	9	3	6	5	3	83-675	
PVA 435	G5059xBAT448		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 436	G5065xG3038		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 437	G5129xG153	CALIMA	6M	44	1	42	80	.	M	7	2	5	6	3	84-302	
PVA 438	G6641xG13922		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 441	G5896xG2618		6M	35	2A	37	73	.	M	9	6	7	4	1	83-610	
PVA 442	G5900xG2618		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 444	G6729xG404		6M	44	1	32	68	.	M	8	8	7	4	1	83-357	
PVA 445	G10229xG13921		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 446	G6794xBAT561		6M	37	1	37	84	.	M	9	8	8	7	1	83-451	
PVA 447	G4452xA57		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 448	G7164xG12690		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 450	G4452xBAT1222		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 451	G8043xG2618	CALIMA	6M	44	1	43	76	.	M	7	8	7	5	3	84-303	
PVA 452	G8043xG6729		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 453	G8047xG1242		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 457	G12444xBAT332		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 461	G12489xG7164		6M	44	1	33	70	.	M	9	7	7	3	1	83-360	
PVA 462	G12727xBAT76		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 463	G14013xG7148		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 464	G14019xBAT1127		6M	45	1	34	73	.	M	9	7	7	4	1	83-361	
PVA 465	S1428xBAT332		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 467	G22147xBAT76		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 468	G22147xBAT93		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 469	G22147xG122		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 470	G4452xG14013		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 473	G22158xINT229		6M	50	1	34	70	8	M	9	4	6	7	1	83-362	85
PVA 474	G4452xG14013		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 476	G4452xG14013	CALIMA	6M	50	1	30	65	.	M	8	7	6	4	4	88-476	89
PVA 477	INT257xG6474		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 478	A21x(G3807xG6474) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 480	G4452xG14013		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 482	G4452xG14013		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 483	G4452xG14013		6M	49	1	33	70	.	M	9	7	6	6	1	83-363	
PVA 484	G4452xG14013		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 486	A23x(G3807xG6474) F1		6M	46	1	34	70	.	M	9	7	6	7	1	83-364	
PVA 487	G4452xG14013		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 488	G4452xG14013		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 489	G4452xG14013		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 491	G13921xG2618		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 492	G13921xG2618		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 494	BAT76x(G8047xG1242)		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 495	G13921xG3642		.	.	.	.	.	.	M	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	VEF Yr	IB YAN
			col.	Wt	Hab	F1	Mt	Fot	BCMV							
PVA 500	BAT93x(G5764xG2858)	CALIMA	6M	36		43	82	.	M	7	3	7	5	3	84-304	
PVA 502	BAT448x(G51xINT248)		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 504	G5118xG13921		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 506	BAT561x(G1180xG2034)		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 507	BAT561x(G1853xG4770)		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 508	BAT561x(G2575xG7164)		6M	40	1	35	73	2	M	9	3	6	8	1	83-369	85
PVA 510	BAT561x(G12455xG2618)		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 511	BAT561x(S1428xG2858)		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 515	BAT1113x(A28xINT248) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 516	G153x(A21xG5066) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 518	G1853x(A19xG1853)		6M	42	1	34	73	4	M	9	2	5	8	1	83-370	85
PVA 523	G3807x(G1853xBAT76) F1	CALIMA	6M	50	1	46	82	.	M	7	2	8	4	3	84-305	
PVA 525	G4017x(A13xG2597) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 527	G4017x(G4453xG5703) F1		6M	44	1	33	73	.	M	9	5	5	7	3	83-371	
PVA 529	G4440x(G4004xA11) F1		6M	40	1	34	73	.	M	9	7	7	6	3	83-372	
PVA 530	G4770x(G1853xA30)		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 533	G5335x(A32xG5335) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 534	G5896x(A28xINT248) F4		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 535	G6499x(G1853xA21) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 537	G6794x(INT248xA35)		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 549	G14013x(G4547xG2618) F1		6M	29	1	35	77	.	M	9	3	7	6	5	83-453	
PVA 551	G14013x(G4547xG2618) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 552	G14013x(G12450xG2618) F1		6M	38	1	30	73	.	M	9	3	7	7	3	83-484	
PVA 553	G14013x(G12450xG2618) F1		6M	36	1	34	73	.	M	9	1	7	7	3	83-485	
PVA 555	A41xG13922		6M	40	1	36	75	.	M	9	3	6	7	1	83-455	84
PVA 556	G4017x(G22147x(A21xG22147))		6M	46	1	33	81	.	M	8	4	6	7	1	83-454	
PVA 557	(G4470xG5066) F1x(G21721xG4453) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 559	(G5107xG2618) F1x(G1853xA30) F1	TUNDAMA	6M	51	1	42	78	.	M	7	2	5	5	3	84-306	
PVA 560	A41xG13922		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 561	A41xG13922		6M	43	1	36	75	.	M	9	2	6	7	1	83-456	
PVA 563	A41xG13922		6M	44	1	38	75	4	M	9	2	7	7	1	83-457	
PVA 566	A41xG13922		6M	42	1	37	77	.	M	9	4	6	7	3	83-458	
PVA 567	A41xG13922		6M	35	1	35	73	.	M	8	6	8	7	1	83-459	
PVA 568	A41xG13922		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 570	A41xG13922		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 571	A41xG13922		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 578	A41xG13922		6M	41	1	37	75	.	M	9	5	7	7	1	83-460	
PVA 579	A140xG1566		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 580	A156xG1892		6M	44	1	35	70	.	M	9	3	7	7	1	83-461	
PVA 581	A162xG3446		6M	43	1	35	73	3	M	9	3	5	6	1	83-462	85
PVA 582	A169xG3446		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 583	A175xG4351		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 585	A41xG13922		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 586	A41xG13922		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 587	A41xG13922		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 589	G13922xA190		6M	42	3A	37	73	4	M	9	7	6	6	1	83-673	
PVA 592	BAT995xG4721		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 594	BAT1209xG1222		6M	41	3A	39	75	.	M	9	6	7	5	1	83-674	
PVA 598	BAT1256xG5038		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 599	BAT1274xG1771		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 600	BAT1274xG3926		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 605	G417xBAT1274	GUALI	7M	55	1	43	80	.	M	8	3	8	4	3	84-307	
PVA 608	G1764xG6730		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 610	G13922xA190		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 611	G13922xA190		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 612	G1853xBAT44		.	.	.	.	.	.	M	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to				BCMV	Emp	Ant	CBB	ALS	Rust	VEF		IB
			col.	Wt	Hab	F1	Mt	Fot	Yr							Ent	YAN	
PVA 614	G1892xG22163								M									
PVA 615	G2641xG6616		6M	36	1	34	73		M	9	7	7	6	3		83-378		
PVA 617	G2829xG181								M									
PVA 623	G4391xG7634								M									
PVA 632	G6415xBAT1222								M									
PVA 634	G6641xG13922								M									
PVA 635	G6647xG4797		6M	45	1	36	73		M	9	6	6	7	1		83-438		
PVA 636	G7060xG6638								M									
PVA 639	G13257xG22163		6M	44	1	34	70		M	9	7	8	6	1		83-379		
PVA 640	G13352xG21720		6M	39	1	35	73		M	9	7	8	6	1		83-380		
PVA 642	G13922xG7048	CALIMA	6M	48	1	43	80		M	7	4	6	4	3		84-308		
PVA 643	G13922xG14474		6M	44	1	34	73		M	9	3	6	6	1		83-381		
PVA 644	G14013xG22161								M									
PVA 645	G13922x(G21721xG583) F6								M									
PVA 647	G13922x(G21721xG583) F6								M									
PVA 648	G13922x(G21721xG583) F6								M									
PVA 649	G13922x(G21721xG583) F6								M									
PVA 651	A75x(G1566xG4543) F1								M									
PVA 652	A110x(A191xG3722) F1								M									
PVA 653	A112x(BAT1256xG5038) F1								M									
PVA 654	G13922x(G21721xG583) F6								M									
PVA 655	A117x(G4797xBAT1256) F1								M									
PVA 656	G13922x(G21721xG583) F6								M									
PVA 657	A152x(G3393xG2378) F1								M									
PVA 658	G13922x(G21721xG583) F6								M									
PVA 659	A157x(BAT1209xG1222) F1		6M	41	1	35	73		M	9	7	8	6	3		83-382		
PVA 660	G13922x(G21721xG583) F6	CALIMA	6M	53	1	44	80		M	7	5	6	5	3		84-309		
PVA 662	G13922x(G21721xG583) F6								M									
PVA 665	G13922x(G21721xG583) F6								M									
PVA 667	G76x(G6636xBAT1276) F1		6M	47	1	37	73		M	9	6	7	6	3		83-383		
PVA 668	G181x(BAT44xG1892) F1		6M	38	1	36	73		M	9	7	7	7	3		83-384		
PVA 673	G13922x(G21721xG583) F6		6M	40	1	36	73		M	9	2	6	7	1		83-439		
PVA 675	G13922x(G21721xG583) F6								M									
PVA 676	G4452x(BAT1223xG8085) F1		6M	46	1	34	68		M	9	6	7	5	1		83-385		
PVA 678	G4781x(G6636xBAT1236) F1								M									
PVA 682	G5953x(S25084xBAT1254) F1		6M	43	1	34	68		M	9	7	7	6	1		83-386		
PVA 685	G9029x(G13922xG14474) F1								M									
PVA 688	G13326x(G4690xA201) F1								M									
PVA 690	G13494x(G4452xBAT1222) F1								M									
PVA 692	G14013x(G13352xG21720) F1		6M	44	1	34	68		M	9	7	8	6	3		83-387		
PVA 693	G21720x(G454xA201) F1		6M	52	1	34	73	4	M	9	2	6	6	1		83-388	85	
PVA 694	G22158x(G3626xBAT1276) F1								M									
PVA 695	G21994x(G2333xA62) F1								M									
PVA 696	G21994x(G3991xA62) F1		6M	46	1	36	73		M	9	2	6	6	3		83-389		
PVA 697	G13922x(G21721xG583) F6	CALIMA	6M	52	1	43	78		M	7	8	6	4	3		84-310		
PVA 698	G13922x(G21721xG583) F6	NIMA	6M	39	1	33	59		M		7		6	3		89-355		
PVA 699	G13922x(G21721xG583) F6		6M	47	1	35	70		M	9	3	6	7	1		83-390		
PVA 700	G13922x(G21721xG583) F6								M									
PVA 701	INT288x(G1318xBAT1276) F1								M									
PVA 702	G13922x(G21721xG583) F6		6M	50	1	34	70		M	8	1	5	6	1		83-391	84	
PVA 703	G13922x(G21721xG583) F6								M									
PVA 704	A40xINT219								M									
PVA 705	A40xV80020	CALIMA	6M	45	1	43	77		M	7	6	6	5	3		84-311		
PVA 707	G13922x(G21721xG583) F6		6M	45	1	36	73		M	9	2	5	7	1		83-392		
PVA 709	G13922x(G21721xG583) F6								M									
PVA 710	G13922x(G21721xG583) F6								M									

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	F1	Mt	Fot	BCMV								
PVA 711	G13922x(G21721xG583) F6		6M	44	1	38	73	.	M	9	2	6	6	1	83-393		
PVA 712	A80xG1759		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 713	A97xXAN75		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 714	A108xG4004		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 715	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 716	A115xG12450		6M	46	1	36	73	.	M	9	7	6	7	1	83-394		
PVA 718	A117xG5683		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 720	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 721	G13922x(G21721xG583) F6		6M	47	1	35	75	.	M	9	7	7	6	1	83-395		
PVA 723	A129xS1428		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 724	A129xS25081		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 726	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 727	G13922x(G21721xG583) F6		6M	42	1	36	75	.	M	9	7	7	5	1	83-396		
PVA 728	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 729	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 731	(BAT332xS1428) F1x(G3628xG13921) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 733	G1892x(G1892x(G1892xA156) F1) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 736	G21705x(APN18x(G21994xG1805) F1) F1		6M	47	1	35	70	.	M	9	3	7	5	1	83-397		
PVA 738	G13922x(G21721xG583) F6		6M	46	1	34	70	.	M	9	7	7	7	1	83-398		
PVA 739	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 740	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 741	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 742	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 743	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 744	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 747	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 750	G13922x(G21721xG583) F6		6M	45	1	37	73	.	M	9	5	8	7	1	83-399		
PVA 751	G13922x(G21721xG583) F6		6M	40	1	38	73	.	M	9	6	7	7	1	83-400		
PVA 753	G13922x(G21721xG583) F6		6M	46	1	35	68	.	M	9	4	6	7	1	83-401		
PVA 754	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 755	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 756	G13922x(G21721xG583) F6		6M	43	1	35	69	.	M	9	3	6	7	1	83-440		
PVA 757	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 758	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 760	G13922x(G21721xG583) F6		6M	43	1	37	70	.	M	9	1	7	6	1	83-402		
PVA 762	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 764	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 765	G13922x(G21721xG583) F6		6M	38	1	38	70	8	M	9	2	6	6	1	83-441	85	
PVA 766	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 767	G13922x(G21721xG583) F6		6M	43	1	33	64	.	M	8	3	6	5	1	83-403		
PVA 768	G13922x(G21721xG583) F6		6M	46	1	35	70	.	M	9	6	6	6	1	83-404		
PVA 769	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 770	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 772	G13922x(G21721xG6474) F1		6M	45	1	36	73	8	M	9	3	5	6	1	83-411	85	
PVA 773	G13922x(G21721xG6474) F1		6M	43	1	36	75	8	M	9	2	6	6	1	83-443	85	
PVA 774	G13922x(G21721xG6474) F1		6M	46	1	36	75	8	M	9	2	5	7	1	83-412	85	
PVA 775	G13922x(G21721xG6474) F1		6M	44	1	36	73	.	M	9	3	5	5	1	83-413		
PVA 779	G13922x(G21721xG6474) F1		6M	44	1	36	73	.	M	9	3	5	6	1	83-414		
PVA 781	G13922x(G21721xG6474) F1		6M	40	1	35	70	6	M	9	2	6	6	1	83-415	84	
PVA 782	G22034x(A156xG22034) F1		6M	43	1	36	73	8	M	9	1	6	6	1	83-416	85	
PVA 782A	G13922x(G21721xG6474) F1		6M	47	1	44	85	8	M	7	3	7	5	3	84-312		
PVA 782B	G13922x(G21721xG6474) F1		6M	46	1	46	85	.	M	7	4	7	4	3	84-313		
PVA 782C	G13922x(G21721xG6474) F1	GUALI CALIMA	6M	46	1	46	85	.	M	7	2	6	4	3	84-314		
PVA 783	G13922x(G21721xG6474) F1		6M	41	1	35	75	.	M	9	2	5	6	1	83-444		
PVA 784	G13922x(G21721xG6474) F1		6M	37	1	34	70	.	M	9	3	6	6	1	83-417		
PVA 786	G13922x(G21721xG6474) F1		6M	39	1	37	73	.	M	9	3	7	7	1	83-418		

Line	Cross	Cult. type	Seed			Days to					VEF	IB					
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp			Ant	CBD	ALS	Rust	Yr	Ent	YAN
PVA 787	G13922x(G21721xG6474) F1		M
PVA 788	G13922x(G21721xG6474) F1		M
PVA 789	G13922x(G21721xG6474) F1		M
PVA 791	G3341xG4525	CALIMA	6M	40	1	42	77	.	M	6	2	5	4	5	84-315	84	
PVA 793	A56xG1805		M
PVA 796	G5481x(BAT1274xG3926) F1		M
PVA 798	A62xG906	NIMA	6M	35	3	42	86	.	N	8	4	8	7	5	84-316		
PVA 800	G6617x((S25084xA21) F4x(S25071x...		6M	40	3B	34	73	3	N	9	4	7	6	1	83-714	85	
PVA 800A	G6617x((S25084xA21) F4x(S25071x...		8	44		43	84	5	N	7	4	7	6	5	84-317	86	
PVA 800B	G6617x((S25084xA21) F4x(S25071x...		8	47		43	84	6	N	8	4	8	6	5	84-318	86	
PVA 823	BAT1256x(G21721xG583) F4		7M	40	1	33	66	.	M	9	7	7	4	1	83-488		
PVA 824	BAT1256x(G21721xG583) F4		M
PVA 830	BAT1258x(G14016xG12727) F1	MWEZI MOJA	7M	59	1	41	78	.	N	7	8	8	6	3	84-319		
PVA 834	BAT1274x(G6617xG2618) F4	POMPADOUR	7M	30		42	85	.	N	7	5	6	7	5	84-320		
PVA 835	BAT1274x(G6617xG2618) F4		N
PVA 837	BAT1274x(G6617xG2618) F4		N
PVA 838	BAT1274x(G6617xG2618) F4		N
PVA 839	BAT1274x(G6617xG2618) F4		N
PVA 844	G4452xG13921	MWEZI MOJA	7M	60	1	44	85	6	N	7	3	8	5	3	84-321	86	
PVA 846	G4452xG13921	GUALI	7M	57	1	42	85	4	N	7	9	7	6	3	84-322	86	
PVA 851	(G6474xA5) x(S25084xG2402)		6M	31	1	34	64	.	M	8	7	5	7	1	83-508		
PVA 852	(G6474xA5) x(S25084xG2402)		M
PVA 854	G6641xG13922	GUALI	7M	38	1	42	79	.	N	7	7	6	6	3	84-323		
PVA 862	G4452xA57		6M	33	1	34	70	.	M	9	7	5	7	1	83-452		
PVA 864	G4452xG14013	GUALI	7M	56	1	44	86	.	N	7	8	8	5	3	84-324		
PVA 865	G13921xA138	GUALI	7M	41	1	47	86	.	N	7	5	5	6	3	84-325		
PVA 873	G13921x(G1853xBAT93) F4		7M	31	1	38	77	.	N	9	3	5	7	1	83-493		
PVA 874	G13921x(G1853xBAT93) F4		7M	32	1	36	73	.	N	9	3	5	7	1	83-494		
PVA 875	G14013x(G12450xG2618) F1		7M	33	1	31	85	.	N	8	1	7	8	5	83-498	84	
PVA 878	A41xG13922		N
PVA 880	A41xG13922		6M	42	1	36	70	3	M	9	2	5	7	1	83-463	84	
PVA 881	A41xG13922		M
PVA 882	A41xG13922		M
PVA 890	G13922xG2618		M
PVA 891	(G21749xG4000) F1x(G21731xA482) F1		7M	37	1	35	70	.	N	9	7	7	8	1	83-491		
PVA 893	G13922xG7048		N
PVA 894	G13922x(G21721xG583) F6		6M	39	1	34	68	.	M	9	6	6	6	1	83-442	85	
PVA 895	G13922x(G21721xG583) F6		6M	42	1	34	69	.	M	9	2	5	7	1	83-405		
PVA 897	G13922x(G22147xG6474) F6		M
PVA 898	G13922x(G22147xG6474) F6		M
PVA 899	G6379xBAT1256		M
PVA 900	G6617x((S25084xA21) F4x(S25071x...		6M	31	3B	40	73	.	N	9	2	7	6	3	83-715		
PVA 901	G6617x((S25084xA21) F4x(S25071x...		6M	35	3B	36	75	8	N	9	4	6	6	1	83-718	84	
PVA 902	G13921x(G22147xA30)	GUALI	7M	35	1	44	88	.	N	7	2	9	5	3	84-326		
PVA 905	BAT1258x((G76xS25071) F5x(S28522x...		6M	43	1	34	73	.	M	9	2	5	7	1	83-506		
PVA 908	BAT1258x((G76xS25071) F5x(S28522x...		6M	39	1	34	75	5	M	9	3	5	7	1	83-507	85	
PVA 910	BAT1274xG22147		M
PVA 911	BAT1274x(G6617xG2618) F4		M
PVA 913	BAT1276x(G22147xG6533) F4		M
PVA 914	BAT1276x(G22147xG6533) F4		M
PVA 915	BAT1276x(G22147xG6533) F4		M
PVA 916	BAT1276x(G22147xG6533) F4		6M	45	1	34	73	.	M	9	2	5	7	1	83-528	89	
PVA 917	BAT1276x(G22147xG6533) F4		M
PVA 921	BAT1276x(G22147xG6533) F4		6M	41	1	34	73	.	M	9	7	7	6	1	83-529		
PVA 928	G4452xBAT1274		6M	47	1	36	73	.	M	9	8	6	5	1	83-530		
PVA 931	G4452xG13921		6M	47	1	35	73	.	M	8	8	6	5	1	83-344		

Line	Cross	Cult. type	Seed			Days to				VEF	IB						
			col.	Wt	Hab	Fl	Mt	Fot	BCMV			Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
PVA 932	G4452xG13921								M								
PVA 935	G1318xBAT1276		6M	42	1		36	75	.	M	9	7	7	6	1	83-351	
PVA 936	G1318xBAT1276								.	M							
PVA 943	(G6474xA5) x (S25084xG2402)		6M	30	3A		36	70	.	M	9	3	7	2	1	83-676	
PVA 947	(G6474xA5) x (S25084xG2402)		6M	28	3A		36	73	.	M	9	6	6	7	3	83-678	
PVA 954	(G6474xA5) x (S25084xG2402)								.	M							
PVA 956	(G6474xA5) x (S25084xG2402)								.	M							
PVA 957	G6641xG13922	TUNDAMA	7M	44	1		41	78	.	N	6	4	7	5	3	84-327	
PVA 958	G10229xG13921		6M	44	1		34	73	.	M	9	7	5	7	1	83-358	
PVA 961	G4452xG14013								.	M							
PVA 963	G13921xG3642								.	M							
PVA 964	G13921xG3642								.	M							
PVA 965	G13921xG3642								.	M							
PVA 966	G5118xG13921								.	M							
PVA 972	G13921x (G5066xG5659) F1								.	M							
PVA 975	G14013xG11891								.	M							
PVA 979	A41xG13922		6M	35	1		37	77	.	M	9	3	6	7	1	83-511	
PVA 986	G6617x ((S25084xA21) F4x (S25071x...)		7M	38	3B		36	77	7	N	8	8	6	7	1	83-732	
PVA 988	(G4004xA11) F3x (A30xG6499) F3		5R	20	3B		42	81	8	N	9	2	7	8	1	83-730	85
PVA 989	A30xG6474		5M	30	1		33	64	.	M	9	3	7	3	3	83-605	
PVA 990	A201x (G8050xG4804) F1								.	M							
PVA 992	BAT1274x ((G5066xG1853) F4xG6380) F3		3M	41	1		36	70	3	N	9	6	6	6	1	83-586	85
PVA 993	BAT1276x (G22147xG6533) F4		5M	44	1		34	70	6	N	9	3	6	7	1	83-602	85
PVA 994	BAT1276x (G22147xG6533) F4		5M	49	1		44	85	.	N-M	6	3	7	5	3	84-328	
PVA 995	BAT1276x (G22147xG6533) F4								.	N-M							
PVA 996	BAT1276x (G22147xG6533) F4								.	N-M							
PVA 999	BAT1276x (G22147xG6533) F4								.	N-M							
PVA 1003	G3807xG5066	MISS KELLY	5M	29	3		45	85	.	M	7	3	8	5	5	84-329	
PVA 1008	G14013xG5129								.	M							
PVA 1015	G13922x (G21721xG6474) F1								.	M							
PVA 1019	G4004xBAT108		2M	30	1		34	70	.	M	9	9	7	5	3	83-592	
PVA 1021	BAT1274xG4679	LLANOGRANDE	2R	48	1		43	85	.	N-M	6	4	8	5	3	84-330	
PVA 1022	BAT1274xG4679	URIBE	2M	40	1		43	80	.	M	7	6	4	5	3	84-331	
PVA 1025	BAT1274x ((G5066xG1853) F4xG6380) F3		2M	42	1		34	70	8	N	9	4	7	6	1	83-593	85
PVA 1027	(G6474xA5) x (S25084xG2402)		2M	40	3A		34	73	.	M	9	7	5	6	1	83-686	
PVA 1028	(G6474xA5) x (S25084xG2402)		2M	36	1		35	70	.	N	9	8	6	5	1	83-589	
PVA 1029	(G6474xA5) x (S25084xG2402)		2M	37	1		34	70	.	M	9	6	6	6	1	83-590	
PVA 1032	G10375xG13921		2M	32	3A		36	66	6	M	9	6	6	7	1	83-687	
PVA 1033	G10375xG13921		2R	34	1		35	73	.	N	9	9	8	5	1	83-598	
PVA 1034	G10375xG13921								.	N							
PVA 1035	G10375xG13921								.	N							
PVA 1036	G10375xG13921		2R	36	1		33	67	.	N	9	9	7	3	1	83-599	
PVA 1037	G10375xG13921	LLANOGRANDE	2R	42	1		42	80	.	N	6	9	5	5	3	84-332	
PVA 1038	G10375xG13921								.	N							
PVA 1039	G10375xG13921		2R	38	1		34	67	.	N	9	8	6	3	1	83-600	
PVA 1044	G13922xG5129		2R	43	1		37	70	.	M	9	7	5	7	1	83-601	
PVA 1046	BAT1258x ((G76xS25071) F5x (S28522x...)		5	39	1		36	70	.	N	9	7	7	5	1	83-564	
PVA 1047	BAT1274xG3926								.	N							
PVA 1048	BAT1274xG3926		5	41	1		36	77	4	N	9	2	5	6	1	83-532	85
PVA 1050	BAT1274xG3926								.	N							
PVA 1055	G3626xBAT1276		5	42	1		36	73	.	N	9	2	6	7	5	83-534	
PVA 1056	G3626xBAT1276		5	44	1		38	75	.	N	9	2	6	7	1	83-535	
PVA 1059	G4076xG14013		5	41	1		36	73	.	N	8	3	7	7	1	83-536	
PVA 1060	G4076xG14013								.	N							
PVA 1062	G4076xG14013								.	N							
PVA 1063	G4797xG13922		5	44	1		38	77	8	N	9	4	6	7	1	83-538	85

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV								
PVA 1067	G4797xG13922		5	40	1	34	68	4	N	9	3	6	7	1	83-539	85	
PVA 1070	G13921xA138		5	42	1	36	73	.	N	9	8	6	7	1	83-540		
PVA 1076	G13921x(G76xG21721) F6		5	46	1	36	73	4	N	9	5	6	7	1	83-542	85	
PVA 1077	G13921x(G76xG21721) F6	RED KIDNEY	5	50	1	43	86	.	N	7	7	8	6	3	84-333		
PVA 1078	G13921x(G76xG21721) F6		5	44	1	35	73	.	N	9	9	6	7	1	83-545		
PVA 1079	G13921x(G76xG21721) F6		5	46	1	34	70	.	N	9	7	7	6	1	83-546		
PVA 1080	G13921x(G76xG21721) F6		5	45	1	36	73	.	N	9	3	6	7	1	83-543		
PVA 1082	G13921x(G76xG21721) F6		5	48	1	35	73	4	N	9	6	6	7	1	83-544	85	
PVA 1085	G13921x(G76xG21721) F6		5	44	1	35	70	.	N	9	7	7	6	1	83-547		
PVA 1086	G13921x(G76xG21721) F6		5	44	1	37	73	.	N	9	7	7	7	1	83-565		
PVA 1095	G13921x(G76xG21721) F6		5	49	1	36	75	4	N	9	4	5	7	1	83-548	85	
PVA 1097	G13921x(G76xG21721) F6		5	41	1	38	77	5	N	9	2	6	6	1	83-549	85	
PVA 1101	G14013xG14474	DARK RED KIDNEY	6	42	1	34	65	.	N	9	7	7	7	3	83-295		
PVA 1108	G14013xG14474		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1111	G14013xG14474		6	38	1	35	70	3	N	7	3	6	7	1	83-570	85	
PVA 1112	G14013xG14474		6	39	1	33	70	.	N	7	9	6	5	1	83-571		
PVA 1115	G13922xG14474		5	42	1	36	70	8	N	9	7	6	6	1	83-560	85	
PVA 1116	G13922xG14474		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1117	G4076xG14013		5	46	1	36	70	1	N	8	4	5	7	1	83-556	85	
PVA 1118	G4076xG14013		5	49	1	36	70	.	N	9	4	6	7	3	83-557		
PVA 1121	G4076xG14013		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1122	G4076xG14013	RED KIDNEY	5	53	1	43	82	4	N	7	5	6	5	5	84-334	86	
PVA 1123	G4076xG14013		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1131	G4076xG14013		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1132	G4076xG14013		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1133	G4076xG14013		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1134	G4076xG14013		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1137	G14013x(G1805xG4453) F1		5	52	1	34	70	.	N	9	6	7	6	1	83-559		
PVA 1141	G13922xG4076		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1142	G13922xG4076		5	42	1	37	73	.	N	9	8	7	7	1	83-561		
PVA 1143	G13922xG4076		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1145	G13922xG4076		5	47	1	36	70	6	N	9	7	6	7	1	83-562	85	
PVA 1146	G13922xG4076		5	43	1	38	75	6	N	9	7	7	7	3	83-563	85	
PVA 1151	BAT1274xG22147		6	50	1	35	73	6	M	9	7	7	6	1	83-566	85	
PVA 1156	BAT1274xG22147		6	53	1	35	75	8	M	9	8	6	7	3	83-567	85	
PVA 1157	G5118xG13921		6	43	1	35	73	.	M	9	7	6	4	1	83-568		
PVA 1158	G6379xBAT1256		6	40	1	34	70	.	M	9	9	7	7	3	83-572		
PVA 1159	G13921xG3642		6	35	1	36	73	.	M	9	2	6	7	1	83-574		
PVA 1162	G5118xG13921		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1165	G13921xG11972		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1166	(G22147xA30) F1x(G21721xG6474) F1		6	30	1	35	77	.	M	9	6	7	6	1	83-573		
PVA 1167	(G22147xA30) F1x(G21721xG6474) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1168	G13922x(G22147xG6474) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1171	(G22147xA30) F1x(G21721xG6474) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1171A	A30xG6617	BOLA ROJA	7	37	3	45	86	.	M	7	5	6	7	5	84-335		
PVA 1171B	A30xG6617	BOLA ROJA	7	39	3	45	88	.	M	7	6	5	6	3	84-336		
PVA 1172	(A23xINT248) F1x(G1853xA30) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1178	BAT950xG6587		6M	37	1	30	65	.	M	9	6	9	6	1	83-312		
PVA 1180	BAT1249xA191		6M	50	1	34	66	.	M	8	5	6	6	1	83-313	84	
PVA 1181	BAT1249xA191		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1182	BAT1249xA191		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1184	BAT1249xA191		6M	50	1	35	73	.	M	8	1	6	7	1	83-314		
PVA 1185	BAT1258x((G76xS25071) F5x(S28522x...		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1186	BAT1274xG4679		6M	32	1	36	81	.	M	9	3	5	6	1	83-435		
PVA 1187	BAT1274xG4679		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1188	BAT1274xG22147		6M	41	1	36	77	.	M	9	7	6	5	1	83-321		

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
PVA 1189	BAT1274xG22147		6M	43	1	35	73	.	M	9	7	7	6	1	83-322	
PVA 1190	BAT1274xG22147		6M	44	1	34	73	8	M	9	5	6	7	1	83-323	85
PVA 1191	BAT1274xG22147		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1192	BAT1274xG22147		6M	38	1	36	77	.	M	9	7	6	5	1	83-324	
PVA 1193	BAT1274x(G6617xG2618) F4		6M	34	1	38	77	.	N	9	2	6	7	1	83-445	
PVA 1194	BAT1274x(G6617xG2618) F4		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1195	BAT1274x(G6617xG2618) F4		6M	33	1	36	77	8	N	9	6	6	7	1	83-446	85
PVA 1197	BAT1274x(G6617xG2618) F4		6M	26	2B	41	77	.	N	9	2	4	7	1	83-625	
PVA 1198	BAT1274x(G6617xG2618) F4		6M	36	1	34	75	.	N	7	4	5	7	1	83-447	
PVA 1199	BAT1274x(G6617xG2618) F4		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1200	BAT1274x(G6617xG2618) F4		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1201	BAT1274x(G6617xG2618) F4		6M	32	1	39	88	.	N	9	3	7	7	5	83-448	
PVA 1202	BAT1274x(G6617xG2618) F4		6M	38	1	34	77	.	N	9	1	6	7	1	83-481	
PVA 1204	BAT1274x(G6617xG2618) F4		.	.	.	.	.	.	N	.	.	.	.	.	.	.
PVA 1207	G1853xINT248		6M	37	1	34	73	.	M	9	6	7	6	1	83-326	
PVA 1208	G1853xINT248	BOLA ROJA	7	39	.	42	83	.	M	7	6	6	7	3	84-337	
PVA 1209	G1853x{(S25084xA21) F4x(S25071x...		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1210	G4452xBAT1274		6M	51	1	34	73	.	M	9	7	5	7	1	83-334	
PVA 1211	G4452xBAT1274		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1212	G4452xBAT1274		6M	49	1	38	78	.	M	9	6	4	7	1	83-335	
PVA 1214	G4452xG13921		6M	47	1	36	73	.	M	9	7	6	5	1	83-345	
PVA 1215	G4452xG13921		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1216	G4452xG13921		6M	47	1	37	73	8	M	9	1	5	6	1	83-346	85
PVA 1218	G4452xG13921		6M	50	1	33	68	.	M	9	1	6	7	1	83-347	
PVA 1219	G4452xG13921		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1220	G4452xG13921		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1221	G4452xG13921		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1222	G4452xG13921		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1223	G4452xG13921		6M	43	1	33	70	.	M	9	4	6	6	1	83-348	
PVA 1224	G4452xG13921		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1225	G4452xG13921		6M	48	1	36	73	.	M	9	4	6	6	1	83-349	
PVA 1226	G22158xG1853		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1230	G6641xG13922		6M	38	1	34	73	.	M	9	7	7	6	1	83-354	
PVA 1231	A22x(G3960xG7930) F1		6M	43	1	33	75	.	M	9	7	7	6	1	83-355	
PVA 1232	G8043x(G8043xG4000)		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1235	G4452xG14013		6M	49	1	34	73	.	M	9	7	5	7	1	83-365	
PVA 1237	G4452xG14013		6M	50	1	33	73	.	M	9	2	5	7	1	83-366	
PVA 1241	G13921xG3642		6M	31	1	36	73	.	M	9	1	8	8	1	83-367	
PVA 1246	G5118xG13921		6M	44	1	36	73	3	M	9	6	4	6	1	83-427	85
PVA 1247	G13921xG11972		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1248	G13921xG11972		6M	38	1	33	73	.	M	9	7	7	6	3	83-373	
PVA 1251	G13921xG11972		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1252	G13921xG11972		6M	38	1	34	73	.	M	9	7	6	6	1	83-374	
PVA 1253	G13921xG11972		6M	39	1	34	70	.	M	9	7	5	6	3	83-375	
PVA 1258	G14013x(G12450xG2618) F1	NIMA	6M	37	1	43	96	.	M	7	6	3	7	3	84-338	84
PVA 1259	G14013x(G12450xG2618) F1		6M	32	1	39	88	.	M	9	2	7	7	1	83-513	
PVA 1260	G14013x(G12450xG2618) F1		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1261	G14013x(G1805xG4453) F1		6M	46	1	33	70	.	M	9	3	7	6	3	83-377	
PVA 1262	A41xG13922		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1263	A41xG13922		6M	41	1	38	77	.	M	9	3	6	6	1	83-464	
PVA 1267	G13922x(G21721xG583) F6		6M	48	1	38	77	8	M	8	5	5	6	1	83-406	85
PVA 1268	G13922x(G21721xG583) F6		6M	48	1	34	68	.	M	9	3	5	7	1	83-407	
PVA 1269	G13922x(G21721xG583) F6		6M	41	1	35	68	.	M	9	6	6	6	1	83-408	
PVA 1271	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.	.
PVA 1272	G13922x(G21721xG583) F6		6M	38	1	34	68	4	M	9	4	7	5	1	83-409	
PVA 1272A	G13922x(G21721xG583) F6	CALIMA	6M	44	1	43	77	.	M	7	4	4	5	3	84-339	

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Pot	BCMV								
PVA 1272B	G13922x(G21721xG583) F6	CALIMA	6M	41	1	43	77	.	M	7	6	8	5	3	84-340		
PVA 1273	G13922x(G21721xG583) F6		.	.	.	.	.	.	M	.	.	.	.	.	.
PVA 1274	G13922x(G21721xG583) F6		6M	44	1	34	69	.	M	9	6	5	6	1	83-410		
PVA 1275	G13922x(G21721xG6474) F1		6M	42	1	37	73	.	M	9	4	7	6	1	83-419		
PVA 1276	G13922x(G21721xG6474) F1		6M	44	1	36	77	.	M	9	4	5	7	1	83-420		
PVA 1277	G13922x(G2622xG5066) F5		.	.	.	.	.	.	M	.	.	.	.	.	.
PVA 1278	G13922x(G2622xG5066) F5		.	.	.	.	.	.	M	.	.	.	.	.	.
PVA 1279	G6617x((S25084xA21) F4x(S25071x...		.	.	.	.	.	.	M	.	.	.	.	.	.
PVA 1280	A116xG13922		7M	43	1	36	75	.	N	9	4	6	7	1	83-492		
PVA 1281	(A199xG1853) F1x(G1853xA30) F1		6M	34	1	36	75	.	M	9	5	8	6	1	83-434		
PVA 1288	BAT1223xA95		7M	47	1	35	73	.	N	9	6	6	6	1	83-487		
PVA 1291	BAT1274x(G6617xG2618) F4		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1292	G1853xA114		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1293	G1853x((S25084xA21) F4x(S25071x...		6M	39	1	34	66	.	M	9	7	7	6	1	83-328		
PVA 1300	A22x(G3960xG7930) F1		6M	41	1	33	70	.	M	9	7	7	6	3	83-331		
PVA 1304	G4452xBAT1274		6M	48	1	34	78	.	M	9	1	5	6	1	83-336		
PVA 1305	G4452xG13921		.	.	.	.	.	.	M	.	.	.	.	.	.
PVA 1306	G4452xG13921		.	.	.	.	.	.	M	.	.	.	.	.	.
PVA 1312	G6638x(A21xG583) F4		6M	40	3A	33	73	5	M	9	4	6	6	1	83-672		
PVA 1315	A22x(G3960xG7930) F1	GUALI	6M	40	1	43	85	.	N	7	6	6	6	3	84-341		
PVA 1319	G4452xA57		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1320	INT248xG4453		7M	34	1	40	77	.	N	9	8	9	7	3	83-499		
PVA 1321	G13921xA138	NIMA	7M	32	1	45	85	5	N	7	4	7	8	5	84-342	86	
PVA 1323	G13921xA138	GUALI	7M	37	1	44	85	.	N	7	5	9	7	3	84-343		
PVA 1324	G13921xA138		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1327	G13921xA201	GUALI	7M	38	1	47	89	8	N	7	4	6	6	7	84-344	86	
PVA 1328	G13921xA201		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1329	G13921xA201		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1334	G5118xG13921		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1338	G13921x(G22147xA30)		7M	31	1	36	73	.	N	9	6	7	6	1	83-495		
PVA 1340	G13921x(G22147xA30)		7M	38	1	34	75	.	N	9	4	5	6	1	83-490		
PVA 1341	G13921x(G22147xA30)		6M	30	1	36	77	.	N	9	6	6	6	1	83-437		
PVA 1342	G13921x(G22147xA30)		7M	32	1	35	73	.	N	9	6	7	5	1	83-496		
PVA 1343	G13921x(G22147xA30)		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1344	G13921x(G22147xA30)		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1345	G13921x(G22147xA30)		7M	34	1	35	73	.	N	9	6	6	6	1	83-497		
PVA 1351	(G22147xA30) F1x(G21721xG6474) F1		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1352	G6617x((S25084xA21) F4x(S25071x...		7M	32	3A	36	81	.	N	9	3	7	5	1	83-677		
PVA 1353	BAT1274xG22147		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1355	BAT1276x(G22147xG6533) F4		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1356	G4452xBAT1274		6M	50	1	38	77	.	M	9	3	6	7	1	83-337		
PVA 1357	G4804xBAT1276		6M	45	1	36	73	.	M	9	7	5	7	1	83-352		
PVA 1359	(G6474xA5)x(S25084xG2402)		6M	28	1	33	70	.	M	9	4	6	6	1	83-509		
PVA 1360	(G6474xA5)x(S25084xG2402)		6M	35	1	33	70	.	M	9	2	7	6	1	83-450		
PVA 1360A	(G6474xA5)x(S25084xG2402)		8	35		42	77	.	M	7	7	7	6	3	84-345	84	
PVA 1360B	(G6474xA5)x(S25084xG2402)		8	33		42	77	.	M	7	3	7	7	3	84-346	84	
PVA 1361	(G6474xA5)x(S25084xG2402)		6M	30	1	35	77	.	M	9	4	6	7	1	83-510		
PVA 1362	G13921xG3642		6M	35	1	33	73	.	M	9	1	7	7	1	83-368		
PVA 1366	G14013xG11891		.	.	.	.	.	.	M	.	.	.	.	.	.
PVA 1367	G13922x(G21721xG6474) F1		.	.	.	.	.	.	M	.	.	.	.	.	.
PVA 1368	G6617x((S25084xA21) F4x(S25071x...		6M	23	3A	36	75	.	N	9	4	7	7	1	83-679		
PVA 1369	(G4004xA11) F3x(A30xG6499) F3		5R	26	3B	43	81	.	N	9	3	6	8	1	83-729		
PVA 1370	(G4004xA11) F3x(A30xG6499) F3		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1371	BAT1274xG4679		.	.	.	.	.	.	N	.	.	.	.	.	.
PVA 1372	BAT1274xG4679		3R	34	1	38	84	.	N	9	3	6	7	1	83-597		
PVA 1373	BAT1274xG4679		5R	37	1	35	75	.	M	9	6	6	6	1	83-604		

Line	Cross	Cult. type	Seed			Days to							VEF		IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
PVA 1374	BAT1274xG4679		5M	40	1	36	73	8	N	9	6	6	7	1	83-603	85
PVA 1375	BAT1274x((G5066xG1853)F4xG6380)F3		3M	42	1	37	70	.	N	9	6	7	6	1	83-587	
PVA 1376	BAT1276x(G22147xG6533)F4			.	.	.	.	.	N	.	.	.	.	.	.
PVA 1377	BAT1276x(G22147xG6533)F4		5M	56	1	43	84	4	N	7	6	7	8	5	84-347	86
PVA 1378	BAT1276x(G22147xG6533)F4			.	.	.	.	.	N	.	.	.	.	.	.
PVA 1380	G5132xBAT93		5M	25	3A	37	70	.	N	9	2	6	6	3	83-680	
PVA 1381	G14013x(G4547xG2618)F1		3M	25	1	36	79	.	M	9	1	4	5	3	83-591	
PVA 1382	G14013x(G4547xG2618)F1			.	.	.	.	.	M	.	.	.	.	.	.
PVA 1384	G13922x(G2622xG5066)F5		5M	46	3	45	80	6	N	7	8	7	5	3	84-348	86
PVA 1387	BAT1274xG4679		2M	37	1	36	75	.	M	9	4	6	5	3	83-588	
PVA 1389	BAT1274x((G5066xG1853)F4xG6380)F3			.	.	.	.	.	M	.	.	.	.	.	.
PVA 1397	BAT1274xG3926		5	46	1	36	73	.	N	9	2	5	7	1	83-533	
PVA 1398	BAT1274xG3926			.	.	.	.	.	N	.	.	.	.	.	.
PVA 1406	G13921x(G76xG21721)F6		5	45	1	35	70	.	N	9	7	6	6	1	83-550	
PVA 1407	G13921x(G76xG21721)F6		5	43	1	36	73	5	N	9	7	5	6	1	83-551	85
PVA 1408	G13921x(G76xG21721)F6		5	42	1	40	75	8	N	9	4	5	6	1	83-552	85
PVA 1410	G13921x(G76xG21721)F6		5	41	1	37	75	.	N	9	6	6	7	1	83-553	
PVA 1411	G13921x(G76xG21721)F6		6M	45	1	37	77	.	M	9	7	6	6	3	83-376	
PVA 1414	G13921x(G76xG21721)F6		5	45	1	36	73	.	N	9	6	6	7	1	83-554	
PVA 1422	(INT248xG4453)F1x(G6617xA30)F1		6M	39	1	35	75	.	N	9	7	6	5	1	83-425	
PVA 1422A	(INT248xG4453)F1x(G6617xA30)F1	POMPADOUR	7M	41	1	43	82	.	N	7	7	8	4	5	84-349	
PVA 1425	BAT1249xA191		5	49	1	35	81	.	N	9	8	6	5	1	83-531	
PVA 1426	G13922x(G21721xG583)F6		6M	41	1	36	75	.	M	9	7	7	7	1	83-421	
PVA 1428	G13922x(G21721xG583)F6		6M	49	1	35	68	.	M	9	4	5	6	1	83-422	
PVA 1430	G4076xG14013		5	43	1	38	75	.	N	9	3	7	7	1	83-537	
PVA 1435	G4076xG14013		5	51	1	36	68	4	N	8	6	6	7	1	83-558	85
PVA 1437	(G6474xA5)x(S25084xG2402)		6M	35	1	36	77	.	M	9	3	6	7	1	83-512	
PVA 1438	G4452xG13921		6M	49	1	36	75	.	M	9	2	5	6	1	83-424	
PVA 1440	G6617x((S25084xA21)F4x(S25071x...			.	.	.	.	.	M	.	.	.	.	.	.
PVA 1443	G6379xBAT1256			.	.	.	.	.	M	.	.	.	.	.	.
PVA 1445	G13922x(G21721xG583)F6			.	.	.	.	.	M	.	.	.	.	.	.
PVA 1446	G13922x(G21721xG583)F6		6M	43	1	38	75	.	M	9	7	7	6	1	83-423	
PVA 1448	G13922x(G21721xG6474)F1	CALIMA	6M	46	1	42	82	.	M	7	8	8	4	5	84-350	
PVA 1449	G13921x(G76xG21721)F6		5	43	1	35	73	.	N	9	4	7	7	1	83-555	
PVA 1450	G1853x((S25084xA21)F4x(S25071x...	NIMA	6M	54	1	43	82	.	M	8	7	8	4	3	84-351	
PVA 1452	G14013xG14474			.	.	.	.	.	M	.	.	.	.	.	.
PVA 1453	G13921xA138		5	40	1	36	73	5	N	9	8	6	7	1	83-541	85
PVA 1454	G13921x(G76xG21721)F6	RED KIDNEY	5	50	1	42	85	3	N	7	6	7	6	5	84-352	86
PVA 1455	G6379xBAT1256		6M	46	1	33	70	.	M	9	7	7	7	1	83-426	
PVA 2280	A129xS1428	CARGAMANTO	2M	29	1	44	80	3	N	8	4	7	6	5	84-353	86
PVA 2290	BAT1274x((G5066xG1853)F4xG6380)F3	CALIMA	6M	36	1	35	73	.	M	6	4	6	5	5	85-1259	
PVA 2294	BAT1274x(G6617xG2618)F4	CALIMA	6M	38	1	43	87	.	N	8	4	7	7	5	84-354	
PVA 2303	BAT1274x(G6617xG2618)F4	CALIMA	6M	38	3	45	91	7	N	8	3	7	7	7	84-355	86
PVA 2311	BAT1274x(G6617xG2618)F4	NIMA	6M	32	1	35	68	.	N	6	3	6	5	5	85-1260	
PVA 2312	BAT1274x(G6617xG2618)F4	NIMA	6M	31	1	35	71	.	N	4	3	6	4	5	85-1261	
PVA 2324	G13921xA201	GUALI	7M	32	1	51	95	.	N	7	4	8	5	5	84-356	
PVA 2325	G13921xA201	GUALI	7M	37	1	43	88	.	N	7	3	8	5	5	84-357	
PVA 2326	G13921xA201	GUALI	7M	33	1	49	88	.	N	7	2	8	6	3	84-358	
PVA 3004	A117xG5683	DUVA	6	66	1	42	79	.	M	7	6	8	6	3	84-359	
PVA 3005	A117xG5683	DUVA	6	62	1	41	80	.	M	7	5	8	3	3	84-360	
PVA 3006	A129x(A108xG5481)F1	LLANOGRANDE	2R	34	1	42	80	.	N	8	5	7	4	5	84-361	
PVA 3007	A129x(A108xG5481)F1	CRANBERRY	2M	31	1	46	84	.	M	8	5	8	5	5	84-362	
PVA 3008	BAT85xG574	LLANOGRANDE	2R	39	1	45	84	.	N	8	6	9	6	3	84-363	
PVA 3009	A146x(G480xG4721)F1	ESTRADA	5M	43	2B	45	81	.	N	8	6	8	6	3	84-364	
PVA 3010	A146xS25081	ESTRADA	5M	40	1	42	82	.	N	7	3	8	6	5	84-365	
PVA 3011	A169x(XAN42xA192)F4	LLANOGRANDE	2R	33	3	46	77	3	M	8	6	7	5	5	84-366	86

Line	Cross	Cult. type	Seed			Days to							VRF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
PVA 3012	A179xG1892	DUVA	6	49	1	43	79	.	M	7	8	7	5	3	84-367	
PVA 3013	A179xG1892	ROJO DE SEDA	6	42	1	43	84	.	M	7	8	7	5	5	84-368	
PVA 3014	G4452x(G5683xV79017) F1	CALIMA	6M	65	1	42	80	.	M	7	9	8	5	3	84-369	
PVA 3015	G4452x(G5683xV79017) F1	DUVA	6	66	1	42	78	.	M	7	4	6	5	3	84-370	
PVA 3016	G4452x(G5683xV79017) F1	GUALI	6M	68	1	41	81	.	M	7	5	6	5	3	84-371	
PVA 3017	G4452x(G5683xV79017) F1	SANGRETORO	6	61	1	41	77	.	M	7	8	6	5	3	84-372	
PVA 3018	G4452x(G5683xV79017) F1	GUALI	6M	62	1	41	76	.	M	7	5	6	5	3	84-373	
PVA 3019	G4452x(G5683xV79017) F1	TUNDAMA	6M	66	1	41	77	.	M	7	7	7	5	3	84-374	
PVA 3020	G4452x(G6379x(A132xG6617) F1) F1	NIMA	7M	49	1	41	78	.	M	7	5	6	5	5	84-375	
PVA 3021	G4452x(G1892x(A156xG1892) F1) F1	GUALI	6M	67	1	43	77	.	M	7	3	7	6	3	84-376	
PVA 3022	G4452x(G1892x(A156xG1892) F1) F1	GUALI	6M	67	1	42	77	.	M	7	5	8	5	3	84-377	
PVA 3023	G4452x(G1892x(A156xG1892) F1) F1	CALIMA	6M	70	1	42	77	.	M	7	3	6	6	3	84-378	
PVA 3024	G4452x(G1892x(A156xG1892) F1) F1	GUALI	6M	67	1	41	77	.	M	7	4	7	6	3	84-379	
PVA 3025	G6379x(A132xG6617) F1	NIMA	7M	49	1	41	73	2	N	8	8	8	7	5	84-380	86
PVA 3026	G6379x(A132xG6617) F1	POMPADOUR	7M	45	1	42	81	3	N	7	6	8	6	5	84-381	86
PVA 3027	G6379x(A132xG6617) F1	BOLA ROJA	7	46	1	42	78	.	N	7	5	8	5	3	84-382	
PVA 3028	A117xS1428	CALIMA	6M	47	1	35	68	.	M	5	7	5	5	5	85-1262	
PVA 3029	A179xG1892	DUVA	6	38	1G	36	71	.	M	6	7	7	4	3	85-1263	
PVA 3030	A179xG1892	CALIMA	6M	36	1	36	71	.	M	6	6	7	4	3	85-1264	
PVA 3031	G1853x(A117x(A132xG4004) F1) F1	CALIMA	6M	32	1	35	68	.	M	5	4	9	5	5	85-1265	
PVA 3032	G4452x(G5683xV79017) F1	GUALI	6M	62	1	32	71	.	M	6	8	5	4	5	85-1266	
PVA 3033	G4452x(G5683xV79017) F1	GUALI	6M	60	1	32	71	.	M	5	7	7	5	5	85-1267	
PVA 3034	G4452x(G5683xV79017) F1	GUALI	6M	54	1	32	71	.	M	6	4	7	5	5	85-1268	
PVA 3035	G4452x(G5683xV79017) F1	CALIMA	6M	58	1	31	71	.	M	6	6	6	4	5	85-1269	
PVA 3036	G4452x(G5683xV79017) F1	GUALI	6M	58	1	33	71	.	M	5	8	6	3	5	85-1270	
PVA 3037	G4452x(G1892x(A156xG1892) F1) F1	CALIMA	6M	41	1	33	67	.	M	5	7	5	3	5	85-1271	
PVA 3038	G4452x(G1892x(A156xG1892) F1) F1	DUVA	6	42	1	34	67	.	M	6	7	5	4	5	85-1272	
PVA 3039	G4452x(G1892x(A156xG1892) F1) F1	DUVA	7	41	1	34	67	.	M	6	6	5	4	5	85-1273	
PVA 3040	G4452x(G1892x(A156xG1892) F1) F1	DUVA	7	41	1	33	67	.	M	6	7	6	3	5	85-1274	
PVA 3041	G4452x(G1892x(A156xG1892) F1) F1	CALIMA	6M	46	1	34	67	.	M	6	7	6	3	5	85-1275	
PVA 3042	G4452x(G1892x(A156xG1892) F1) F1	CALIMA	6M	38	1	33	66	.	M	6	7	6	4	3	85-1276	
PVA 3043	G4452x(G1892x(A156xG1892) F1) F1	CALIMA	6M	37	1	33	66	.	M	6	7	5	3	3	85-1277	
PVA 3044	G4452x(G1892x(A156xG1892) F1) F1	GUALI	7M	42	1	33	67	.	M	6	7	4	4	3	85-1278	
PVA 3045	G4452x(G1892x(A156xG1892) F1) F1	CALIMA	6M	40	1	36	68	.	M	5	5	5	5	3	85-1279	
PVA 3046	G6379x(A132xG6617) F1	POMPADOUR	6M	39	1	31	77	.	N	6	8	7	6	5	85-1280	
PVA 3047	G6379x(A132xG6617) F1	BOLA ROJA	7	41	1	31	71	.	N	5	4	6	5	5	85-1281	
PVA 3048	G6379x(A132xG6617) F1	DUVA	7	41	1	33	71	.	N	5	6	6	3	5	85-1282	87
PVA 3049	INT289x(A108xG8147) F1	SANGRETORO	7	41	1G	33	73	.	M	4	4	7	3	5	85-1283	
PVA 3050	INT293x(G5038x(A132xG4004) F1) F1		4	50	1G	33	68	.	M	5	9	7	5	5	85-1284	
PVA 3051	G76xG4523	NIMA	6M	36	1	35	71	.	M	6	8	8	4	5	85-1285	
PVA 3052	G76xG4523	NIMA	6M	38	1	35	71	.	M	5	7	8	5	5	85-1286	
RAA 1	RADSANGILx(APR180xPVA1111)	HUETAR	6	43	1	31	70	.	M	.	1	6	7	3	92-475	
RAA 2	RADSANGILx(PVA7xAFR285)	RADICAL	6	44	1	32	67	.	M	.	1	7	6	3	92-523	
RAA 3	RADSANGILx(PVA7xAFR285)	RADICAL	6	38	1	30	68	.	M	.	1	6	6	3	92-524	
RAA 4	RADSANGILx(PVA7xAFR285)	RADICAL	6	40	1	30	69	.	M	.	1	6	7	3	92-525	
RAA 5	RADICRESTRx(DRK5xZAA3)	RADICAL	6	43	1	30	68	.	M	.	1	7	6	3	92-526	
RAA 6	RADICRESTRx(DRK5xZAA3)	RADICAL	6	44	1	31	66	.	M	.	1	7	6	3	92-527	
RAA 7	RADSANGILx(DRK7xAFR286)	RADICAL	6	34	1	31	66	.	M	.	1	6	6	3	92-528	
RAA 8	RADSANGILx(DRK7xAFR286)	RADICAL	6	31	1	30	65	.	M	.	1	7	6	3	92-529	
RAA 9	RADICRESTRx(DRK5xZAA3)	RADICAL	6	42	1	30	70	.	M	.	6	7	6	3	92-530	
RAA 10	RADICRESTRx(DRK5xZAA3)	RADICAL	6	43	1	31	71	.	M	.	1	7	6	3	92-531	
RAA 11	RADICRESTRx(DRK5xZAA3)	RADICAL	6	40	1	33	70	.	M	.	1	7	6	3	92-532	
RAA 12	RADICRESTRx(DRK5xAFR285)	RADICAL	6	40	1	32	71	.	M	.	5	8	7	3	92-533	
RAA 13	RADSANGILx(APR180xPVA7)	SANGRETORO	6	40	1	30	68	.	M	.	1	7	7	3	92-581	
RAA 14	RADICRESTRx(DRK5xZAA111)	SANGRETORO	6	40	1	32	66	.	M	.	1	7	7	3	92-582	
RAA 15	RADICRESTRx(DRK5xZAA111)	RADICAL	6	52	1	31	67	.	M	.	1	6	6	3	92-534	

Line	Cross	Cult. type	Seed			Days to										VBF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr		
RAA 16	RADICRESTRx (DRK5xZAA88)	RADICAL	6	41	1	33	71	.	M	.	1	7	7	3	92-535		
RAA 17	RADICRESTRx (SANGREBITAxAFR297)	RADICAL	6	36		33	69	.	M	.	1	7	7	3	92-536		
RAA 18	DRK11x (WAF109xDRK11)	SANGRETORO	6	35	2A	32	65	.	M	.	1	7	6	3	92-583		
RAA 19	DRK16x (CALIMAXDNTIMOT310)	SANGRETORO	6	37	2A	33	67	.	M	.	1	7	6	3	92-584		
RAA 20	SUG50xDRK16	RADICAL	6	.		54	94	.	M	.	8	6	6	4	93-725		
RAA 21	SUG50xDRK16	RADICAL	6	.		53	.	.	M	.	7	6	7	4	93-726		
RAA 22	DRK16x (SUG41xAND697)	RADICAL	6	43	3	34	77	.	M	.	7	6	7	4	93-421		
RAA 23	SUG37x (AFR389xDRK16)	RADICAL	6	50	3	34	80	.	M	.	7	5	7	4	93-422		
RAA 24	DRK16x (AFR315xRADSANGIL)	RADICAL	6	40	1	32	70	.	M	.	8	6	7	4	93-423		
RAA 25	ZAA53x (DRK14xPVA800)	RADICAL	6	54	3	35	82	.	N	.	7	5	7	5	93-424		
RAB 1	G7131xG3657		6	18	3B	43	76	.	N	9	8	8	4	5	83-X		
RAB 2	BAT789xBAT1155		6	17	3A	36	70	.	N	9	7	9	4	5	83-X		
RAB 3	BAT825xBAT30		6	19	3A	46	81	.	N	9	6	7	2	1	83-266		
RAB 4	BAT825xBAT30		6	17	2B	44	81	1	N	9	6	8	4	1	83-199		
RAB 5	BAT825xBAT30		6	18	2B	43	76	.	N	9	4	8	4	1	83-182		
RAB 6	BAT805xDOR73		6	19	3A	41	74	.	N	9	5	8	6	5	83-260		
RAB 7	BAT805xDOR73		6	18	2A	41	74	.	N	9	3	7	4	5	83-117		
RAB 8	BAT789xBAT897		6	18	2B	47	83	.	N	7	6	7	5	1	83-164		
RAB 9	BAT789xBAT897		6	18	3A	47	89	8	N	9	4	7	6	3	83-264	85	
RAB 10	BAT789xBAT897		6	19	3A	45	81	.	N	9	8	7	5	3	83-269		
RAB 11	BAT789xBAT1155		6	18	2B	44	77	.	N	9	7	8	5	3	83-203		
RAB 12	G14013xBAT93		6	20	2B	42	83	.	N	9	5	6	6	3	83-171		
RAB 13	BAT972xA21		6	25	2B	44	83	.	N	9	6	7	5	1	83-159		
RAB 14	BAT887xG66616		6	24	3A	44	77	.	N	9	6	8	6	1	83-257		
RAB 15	G14013xBAT93		6	18	3A	44	79	.	N	8	6	7	4	3	83-272		
RAB 16	BAT896xBAT41		6	17	2B	43	79	.	N	9	8	8	5	3	83-204		
RAB 17	BAT896xBAT41		6	18	2B	42	79	.	N	9	8	8	5	3	83-188		
RAB 18	BAT896xBAT93		6	20	2A	41	72	.	N	9	7	7	6	3	83-132		
RAB 19	BAT1102xDOR73		6	25	2B	40	74	.	N	9	6	8	6	1	83-156		
RAB 20	BAT882xG66616		6	22	2B	41	74	.	N	9	7	7	3	3	83-183		
RAB 21	BAT41x (G3913x (G2959x (G2959x...		6	19	3A	41	74	.	N	9	7	8	4	5	83-259		
RAB 22	BAT887xBAT897		6	17	2B	45	79	.	N	9	8	7	6	3	83-176		
RAB 23	SEL8xDOR73		6	22	2A	44	74	1	N	9	5	7	3	5	83-118		
RAB 24	SEL8xDOR73		6	19	2B	44	81	1	N	9	6	7	3	3	83-175		
RAB 25	SEL8xDOR73		6	19	2A	45	79	1	N	9	6	7	4	3	83-141		
RAB 26	A21xBAT47		6	22	2B	43	79	.	N	9	6	7	3	1	83-179		
RAB 27	BAT1155xSEL4		6	20	2B	43	79	.	N	9	8	7	3	7	83-152		
RAB 28	BAT1155xSEL4		6	22	2B	44	81	.	N	9	8	7	2	3	83-149		
RAB 29	BAT1155xSEL4		6	23	2B	44	81	.	N	9	7	7	3	5	83-154		
RAB 30	(BAT93xBAT821)xBAT1155		6	19	3A	42	77	.	N	9	7	7	3	3	83-267	84	
RAB 31	(BAT805xDOR73)xBAT1155		6	18	2A	42	77	.	N	8	8	8	4	3	83-142		
RAB 32	BAT896xBAT1145		6	16	3A	41	81	.	N	9	8	7	6	5	83-261		
RAB 33	BAT896xBAT1230		6	20	3A	40	74	.	N	9	7	8	6	5	83-274		
RAB 34	BAT896xBAT1230		6	19	3A	40	74	1	N	9	8	7	6	3	83-277		
RAB 35	BAT896xBAT1230		6	22	3A	37	74	1	N	9	7	7	4	5	83-275	85	
RAB 36	BAT896xBAT1230		6	20	3A	43	79	1	N	9	7	8	6	5	83-287		
RAB 37	BAT1102xBAT1230		6	22	2A	36	70	.	N	9	4	8	6	3	83-133		
RAB 38	BAT1102xBAT1230		6	22	3A	40	76	1	N	9	7	7	5	3	83-270	85	
RAB 39	BAT1102xBAT1230		6	25	3A	40	74	1	N	9	6	7	6	3	83-258	86	
RAB 40	BAT1102xBAT1230	HONDURAS 46	6	22	2B	40	75	2	N	9	6	8	7	7	83-278	86	
RAB 41	BAT1102xBAT1230		6	17	3A	40	77	.	N	9	5	8	6	3	83-284		
RAB 42	BAT1102xBAT1230		6	20	3A	37	70	.	N	9	7	8	6	3	83-283		
RAB 43	BAT1102xBAT1230		6	22	2A	39	74	4	N	9	7	7	6	1	83-119	85	
RAB 44	BAT1155xBAT1230		6	19	2B	40	70	.	N	9	6	7	5	5	83-228		
RAB 45	BAT1155xBAT1230		6	21	2B	40	70	.	N	9	7	8	5	3	83-233		
RAB 46	BAT1225xA40		6	20	3B	40	70	.	N	9	7	7	5	5	83-296		

Line	Cross	Cult. type	Seed			Days to										VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr		
RAB 47	BAT1225xA40		6	20	3B	45	79	3	N	9	7	8	5	5	83-302	85	
RAB 48	BAT1225xA40		6	20	2B	43	78	.	N	9	6	8	5	5	83-220		
RAB 49	BAT1225xG12727		6	24	2B	37	74	3	N	9	2	8	8	3	83-217	85	
RAB 50	BAT1225xG12727	RED MEXICAN	6	27	2B	37	70	1	N	9	8	9	7	7	83-285		
RAB 51	BAT1225xG12727		6	25	2B	39	74	.	N	9	3	9	8	5	83-218		
RAB 52	BAT1225xG12727		6	25	2B	39	74	2	N	9	2	8	7	3	83-216	85	
RAB 53	BAT1225xBAT740		6	22	3A	40	74	.	N	9	8	7	6	3	83-276		
RAB 54	BAT1225xBAT740		6	25	3B	40	74	.	N	9	7	7	5	3	83-295		
RAB 55	BAT1225xBAT740		6	24	3B	37	74	.	N	9	7	7	5	3	83-299		
RAB 56	BAT1225xBAT740		6	27	3B	36	76	1	N	9	7	8	5	3	83-300	85	
RAB 57	BAT1225xBAT896		6	20	2B	36	72	.	N	9	8	7	5	5	83-219		
RAB 58	BAT1225xBAT1136		6	26	3B	37	74	4	N	9	6	7	4	1	83-303	85	
RAB 59	BAT1225xBAT1136		6	25	3B	38	76	3	N	9	6	7	3	1	83-297	84	
RAB 60	BAT1225xBAT1136		6	23	3B	36	70	2	N	9	3	7	6	5	83-301	85	
RAB 61	BAT1225xBAT1136		6	26	3B	37	74	.	N	9	5	8	5	3	83-298		
RAB 62	BAT1225xBAT1155		6	22	2B	37	72	.	N	9	8	7	6	5	83-225		
RAB 63	BAT1225xBAT1155	HONDURAS 46	6	24	2B	41	77	.	N	9	9	8	6	9	83-227		
RAB 64	BAT1225xBAT1155	HONDURAS 46	6	24	2B	41	76	.	N	9	8	9	6	9	83-230	84	
RAB 65	BAT1225xBAT1155		6	22	2B	37	72	.	N	9	8	7	6	5	83-231		
RAB 66	BAT1225xBAT1155		6	21	2B	40	74	.	N	9	7	8	4	7	83-224		
RAB 67	BAT1225xBAT1155		6	22	2B	38	74	.	N	9	7	7	5	5	83-222		
RAB 68	BAT1225xBAT1155		6	23	2B	40	74	1	N	9	8	7	5	5	83-226	85	
RAB 69	BAT1225xBAT1155		6	23	2A	40	74	.	N	9	9	7	2	3	83-140		
RAB 70	BAT1230xA40	HONDURAS 46	6	22	2A	39	67	.	N-M	9	8	8	7	7	83-163		
RAB 71	BAT1230xA40		6	21	2B	41	76	.	N	9	7	7	4	5	83-221	84	
RAB 72	BAT1230xA40		6	22	2B	42	74	3	N	9	6	8	6	5	83-223	85	
RAB 73	BAT1230xA40		6	23	2B	41	77	3	N	9	7	7	5	5	83-229	85	
RAB 74	BAT1230xA40		6	21	3A	42	76	3	N	9	6	9	4	5	83-289	85	
RAB 75	BAT1230xA40		6	23	3A	43	74	.	N	9	6	8	5	5	83-292		
RAB 76	BAT1230xA40		6	23	3A	45	74	.	N	9	6	8	5	5	83-288		
RAB 77	BAT1230xA40		6	23	3A	44	76	3	N	9	6	8	5	5	83-286		
RAB 78	BAT1230xA40		6	26	2B	37	70	.	N	9	8	7	6	5	83-232		
RAB 79	BAT1230xA40		6	23	3B	41	72	.	N	9	8	8	5	5	83-307	84	
RAB 80	BAT41x(BAT1155xSEL4)		6	20	2B	37	76	1	N	9	8	7	3	5	83-198		
RAB 81	BAT1136x(BAT93x(G4791x(G4791x(...		6	.	.	.	.	.	N	.	.	.	.	.	.	.
RAB 82	BAT1155x(BAT863x(G4482x(G4791x(...		6	15	2B	38	74	.	N	9	8	7	2	5	83-213		
RAB 83	G12727x(BAT805xBAT897)		6	19	2B	43	76	.	N	9	5	7	8	5	83-148		
RAB 84	G12727x(BAT805xBAT897)	HONDURAS 46	6	21	3	45	78	.	N	9	5	7	7	7	83-200		
RAB 85	A21x(BAT93x(G4791x(G4791x(...		6	20	2B	42	74	.	N	9	8	7	3	1	83-236		
RAB 86	A40x(BAT863x(G4482x(G4791x(...		6	18	2B	36	72	.	N	9	8	8	3	5	83-172		
RAB 87	A40x(BAT863x(G4482x(G4791x(...		6	16	2B	41	74	.	N	9	8	6	5	3	83-166		
RAB 88	A48x(BAT47xBAT1155)		6	19	2B	36	74	.	N	9	7	8	3	3	83-167		
RAB 89	A48x(BAT47xBAT1155)		6	19	2B	36	72	.	N	9	8	5	5	3	83-215		
RAB 90	A48x(BAT47xBAT1155)		6	17	2B	36	72	.	N	9	7	7	4	3	83-177		
RAB 91	A48x(BAT47xBAT1155)		6	18	2B	40	76	.	N	9	7	6	3	5	83-168		
RAB 92	BAT93x(BAT805xBAT897)		6	19	2B	41	76	2	N	9	1	7	6	1	83-193	85	
RAB 93	BAT841x(BAT897xBAT1155)		6	23	2B	36	81	.	N	9	5	5	5	5	83-192	84	
RAB 94	BAT841xBAT1230	ZAMORANO	6	25	2B	39	74	.	N	9	4	8	6	7	83-291	84	
RAB 95	BAT841xBAT1230		6	27	3B	36	74	2	N	9	5	7	5	5	83-311		
RAB 96	BAT841xBAT1230	ZAMORANO	6	27	3	42	85	3	N	8	3	7	5	7	83-308	86	
RAB 97	BAT881x(BAT47xBAT1155)		6	18	3B	44	74	.	N	9	9	7	5	5	83-305		
RAB 98	BAT881x(BAT47xBAT1155)		6	20	2A	42	74	.	N	9	8	7	4	5	83-120		
RAB 99	BAT881x(BAT47xBAT1155)		6	19	2A	43	74	.	N	9	9	7	3	5	83-121		
RAB 100	BAT1235x(BAT863x(G4482x(G4791x(...		6	17	3A	42	76	.	N	9	8	8	4	5	83-290		
RAB 101	XAN84x(BAT883x(G6616xSEL108))		6	17	3A	43	72	.	N	9	8	7	3	3	83-280		
RAB 102	XAN84x(BAT883x(G6616xSEL108))		6	18	3A	42	72	3	N	9	8	6	6	1	83-279	85	

Line	Cross	Cult. type	Seed			Days to							VEF		IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
RAB 103	BAT448x (BAT897xBAT1155)		6	18	2A	43	76	.	N	9	8	8	1	3	83-122	
RAB 104	BAT448x (BAT897xBAT1155)		6	19	2A	43	76	.	N	9	8	7	4	3	83-123	
RAB 105	BAT448x (BAT897xBAT1155)		6	17	2B	41	76	.	N	9	8	8	4	3	83-151	
RAB 106	BAT448x (BAT897xBAT1155)		6	18	2B	41	74	1	N	9	8	7	4	5	83-174	84
RAB 107	BAT448x (BAT897xBAT1155)		6	20	2B	43	74	.	N	9	7	5	6	1	83-212	
RAB 108	BAT448x (BAT897xBAT1155)		6	18	3A	43	74	.	N	9	8	8	5	5	83-281	
RAB 109	BAT1155x (BAT820xBAT789)		6	17	3A	43	78	.	N	9	9	8	2	5	83-282	
RAB 110	BAT1155x (A21xBAT1155)		6	20	3A	36	70	.	N	9	8	8	5	5	83-273	
RAB 111	BAT1102x (BAT897xBAT1155)		6	20	2B	37	72	.	N	9	6	8	5	1	83-237	
RAB 112	BAT1102x (BAT897xBAT1155)		6	20	3A	40	74	.	N	9	8	8	5	7	83-263	
RAB 113	BAT1102x (BAT897xBAT1155)	HONDURAS 46	6	24	2B	45	78	.	N	9	9	8	6	7	83-124	
RAB 114	BAT1102x (BAT897xBAT1155)		6	20	2B	42	74	.	N	9	7	8	5	3	83-169	
RAB 115	DOR6xXAN58		6	21	2B	39	72	.	N	9	8	7	4	1	83-185	
RAB 116	DOR125xXAN58	HONDURAS 46	6	24	2A	45	77	.	N	9	8	6	6	5	83-211	
RAB 117	G14025xXAN58		6	22	2B	39	72	.	N	9	6	7	4	3	83-255	
RAB 118	A40x (DOR73xBAT41)		6	20	2B	41	72	.	N	9	7	7	4	3	83-155	
RAB 119	A40x (DOR73xBAT41)		6	18	2B	41	72	.	N	9	8	8	5	3	83-161	
RAB 120	G12727x (BAT972xBAT1155)		6	18	3B	37	79	.	N	9	3	9	6	5	83-306	
RAB 121	XAN58xBAT1197		6	22	2B	40	74	.	N	9	7	7	3	5	83-191	
RAB 122	XAN58xBAT1197		6	21	2B	41	74	.	N	9	8	8	2	1	83-187	
RAB 123	XAN58xBAT1197		6	23	2B	45	79	1	N	8	8	7	4	5	83-173	85
RAB 124	XAN58xBAT1197		6	18	2A	47	76	1	N	7	8	7	4	3	83-125	84
RAB 125	BAT41xBAT859		6	18	2B	42	77	.	N	9	7	8	5	5	83-190	
RAB 126	BAT84x (BAT825xBAT47)		6	22	2B	41	74	.	N	9	7	7	3	1	83-194	
RAB 127	BAT84x (BAT825xBAT47)		6	24	2B	37	74	.	N	9	7	8	3	1	83-201	
RAB 128	BAT84x (BAT41xBAT93)		6	25	2B	41	74	2	N	9	8	6	4	1	83-178	85
RAB 129	BAT84x (BAT41xBAT93)		6	18	2B	41	74	.	N	9	8	6	2	3	83-210	
RAB 130	BAT794x (BAT41xBAT93)	HONDURAS 46	6	20	2A	47	80	1	N	9	6	9	6	7	83-126	86
RAB 131	BAT794x (BAT41xBAT93)		6	18	2A	42	74	.	N	9	5	8	3	3	83-127	
RAB 132	BAT794x (BAT41xBAT93)		6	19	2A	42	74	.	N	9	6	8	5	3	83-134	
RAB 133	BAT794x (BAT41xBAT93)		6	17	2A	42	76	1	N	9	6	7	5	3	83-128	85
RAB 134	BAT896x (BAT972xBAT1155)		6	18	2B	37	74	.	N	9	7	8	3	5	83-158	
RAB 135	BAT896x (BAT972xBAT1155)		6	16	2B	41	76	.	N	9	8	7	4	3	83-202	
RAB 136	BAT1102xBAT1296		6	21	2B	44	79	.	N	9	8	7	3	5	83-180	
RAB 137	BAT1102xBAT1296		6	22	2B	42	76	.	N	9	8	8	3	5	83-195	
RAB 138	BAT1155xBAT1296		6	21	2B	35	70	.	N	9	8	8	4	3	83-234	
RAB 139	BAT1180x (BAT825xBAT47)		6	20	2B	42	79	.	N	9	8	8	3	3	83-186	
RAB 140	BAT1180x (BAT40xBAT93)		6	20	2B	36	70	.	N	9	8	8	5	3	83-209	
RAB 141	BAT1288xBAT1197		6	22	2B	41	74	1	N	9	7	8	4	5	83-160	84
RAB 142	BAT1288xBAT1197		6	22	2B	42	74	1	N	9	7	8	4	5	83-208	85
RAB 143	BAT1288xBAT1197		6	19	2B	41	76	1	N	8	8	7	3	5	83-162	85
RAB 144	G13922xBAT896		6	25	2B	43	79	.	N	9	5	6	6	3	83-197	
RAB 145	DOR125xXAN58		6	20	2B	40	74	.	N	9	8	5	3	5	83-207	
RAB 146	BAT41xBAT1339		6	18	2B	37	72	.	N	8	8	7	3	5	83-181	
RAB 147	BAT1155xBAT1341	HONDURAS 46	6	24	2B	49	78	1	N	9	8	8	7	7	83-165	86
RAB 148	BAT1192xBAT1333		6	18	2B	36	72	.	N	9	6	8	5	5	83-170	
RAB 149	BAT1192xBAT1333		6	18	2B	35	72	.	N	9	6	8	6	1	83-184	
RAB 150	BAT1192xBAT1334		6	22	2B	38	72	.	N	9	6	7	4	3	83-157	
RAB 151	BAT1192xBAT1334		6	20	2B	36	72	.	N	9	9	7	6	3	83-205	
RAB 152	BAT1192xBAT1339		6	20	2A	36	74	.	N	9	8	7	5	7	83-129	
RAB 153	BAT1236xBAT1155		6	16	2B	42	79	.	N	9	6	7	5	3	83-206	
RAB 154	BAT1339xG3645		6	20	2A	40	72	1	N	9	8	7	3	3	83-135	85
RAB 155	BAT1339xG3645		6	20	2A	40	74	1	N	9	8	6	1	5	83-136	85
RAB 156	BAT1336xBAT1339		6	19	2A	41	74	.	N	9	7	7	4	1	83-137	
RAB 157	BAT1336xBAT1339		6	19	2A	41	74	.	N	9	7	7	4	1	83-138	
RAB 158	BAT1336xBAT1339		6	19	2A	42	76	.	N	9	6	7	5	1	83-130	

Line	Cross	Cult. type	Seed			Days to								VEF Yr Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust
RAB 159	BAT1336xBAT1339		6	19	2B	38	74	.	N	9	8	7	6	3	83-196	
RAB 160	BAT1336xBAT1339		6	21	2A	38	74	1	N	9	8	7	4	1	83-131	
RAB 161	BAT1105xBAT1276		6	18	2B	41	76	.	N	9	5	7	5	1	83-235	
RAB 162	G1805xA40		6	32	2B	35	70	.	N	9	4	7	4	1	83-150	
RAB 163	A40xG7164		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 164	BAT896xBAT1230	HONDURAS 46	6	22	2B	50	59	1	N	8	7	8	6	7	84-61	86
RAB 165	BAT1102xBAT1230		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 166	BAT1288xBAT1230		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 167	BAT805xDOR73	HONDURAS 46	6	23	2	47	82	.	N	7	7	7	6	5	84-62	
RAB 168	BAT789xBAT1155		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 169	BAT789xBAT1155	HONDURAS 46	6	19	2B	48	81	.	N	7	9	9	6	5	84-63	
RAB 170	BAT972xBAT1155		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 171	BAT1102xDOR73	HONDURAS 46	6	24	2A	47	87	.	N	7	6	8	6	3	84-64	
RAB 172	BAT805xBAT897	HONDURAS 46	6	20	2	47	80	.	N	8	7	8	7	7	84-65	86
RAB 173	SEL8xBAT47		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 174	(BAT93xBAT821)xBAT1155		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 175	BAT1225xBAT1155	ZAMORANO	6	25	2A	48	82	1	N	7	8	8	8	9	84-66	86
RAB 176	BAT1102xBAT1230	ZAMORANO	6	25	3	44	85	.	N	7	6	8	7	7	84-67	
RAB 177	BAT740xG14015	HONDURAS 46	6	27	3	45	85	2	N	7	7	8	8	7	84-68	
RAB 178	BAT1225xA40	HONDURAS 46	6	24	2B	49	85	.	N	8	7	7	7	3	84-69	
RAB 179	BAT1225xBAT896		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 180	BAT1225xBAT1136	HONDURAS 46	6	31	3	48	86	2	N	7	8	8	6	5	84-70	86
RAB 181	BAT1225xBAT1155	ZAMORANO	6	25	2	48	86	1	N	7	8	8	7	9	84-71	86
RAB 182	BAT1230xA40	ZAMORANO	6	26	2	50	80	.	N	7	7	8	7	7	84-72	
RAB 183	BAT1230xA40	ZAMORANO	6	26	2	48	81	.	N	8	7	7	7	7	84-73	
RAB 184	BAT448x(BAT897xBAT1155)	HONDURAS 46	6	22	2	49	82	.	N	7	6	9	5	5	84-74	
RAB 185	BAT1155x(A21xBAT1155)		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 186	BAT1102x(BAT897xBAT1155)		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 187	BAT1102x(BAT897xBAT1155)		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 188	BAT84x(BAT41xBAT93)		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 189	BAT1180x(BAT40xBAT93)	HONDURAS 46	6	23	2B	47	88	.	N	8	7	4	7	5	84-75	
RAB 190	BAT1276xBAT896		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 191	BAT896x(BAT543xSEL4)		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 192	BAT1136x(BAT897xBAT1155)	HONDURAS 46	6	21	2B	48	87	.	N	8	7	6	7	5	84-76	
RAB 193	BAT1136x(BAT897xBAT1155)		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 194	BAT1225xBAT740		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 195	BAT1136x(BAT897xBAT1155)		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 196	BAT1155x(BAT805xDOR73)		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 197	BAT930x(BAT825xBAT47)		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 198	BAT1180x(BAT825xBAT47)		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 199	BAT1180x(BAT41xBAT93)		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 200	BAT1102x(SEL8xDOR73)	HONDURAS 46	6	19	2A	54	91	.	N	7	7	6	6	3	84-77	
RAB 201	BAT1102x(BAT897xBAT1155)	HONDURAS 46	6	22	2	48	85	1	N	7	8	8	7	7	84-78	86
RAB 202	A21xBAT47	HONDURAS 46	6	21	2B	49	89	.	N	7	7	8	5	7	84-79	
RAB 203	G4837xBAT1230	ZAMORANO	6	27	2B	48	86	1	N	7	8	9	5	7	84-80	86
RAB 204	G4837xBAT1230	ZAMORANO	6	25	2B	47	85	1	N	7	8	9	5	9	84-81	86
RAB 205	BAT1225xG12727	HONDURAS 46	6	32	3	43	76	.	N	8	4	9	6	7	84-82	
RAB 206	BAT1225xBAT1136	HONDURAS 46	6	26	2B	48	85	2	N	7	6	9	7	3	84-83	86
RAB 207	BAT1225xBAT1136	HONDURAS 46	6	24	2	49	80	.	N	7	6	6	7	7	84-84	
RAB 208	BAT1225xBAT1136	HONDURAS 46	6	23	2A	49	80	.	N	7	6	6	7	5	84-85	
RAB 209	BAT448x(BAT897xBAT1155)	HONDURAS 46	6	19	2	49	82	.	N	7	7	8	6	7	84-86	
RAB 210	BAT448x(BAT897xBAT1155)	HONDURAS 46	6	23	2A	50	86	1	N	7	7	8	7	7	84-87	86
RAB 211	BAT84x(BAT41xBAT93)	HONDURAS 46	6	26	2B	48	81	1	N	7	7	7	7	3	84-88	86
RAB 212	BAT1155xBAT1296	ZAMORANO	6	24	2B	47	78	.	N	7	7	7	6	9	84-89	
RAB 213	A176xBAT1252	HONDURAS 46	6	24	3	44	80	1	N	8	6	6	7	5	84-90	
RAB 214	BAT1334xXAN58	HONDURAS 46	6	19	3B	48	79	.	N	7	7	6	7	5	84-91	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to				Emp	Ant	CBB	ALS	Rust	VEF Yr Ent	IB YAN
						Fl	Mt	Pot	BCMV							
RAB 215	BAT38xBAT1192	HONDURAS 46	6	22	2B	46	79	.	N	7	6	7	6	7	84-92	
RAB 216	BAT38xBAT1341	HONDURAS 46	6	18	2B	48	79	.	N	8	8	8	5	7	84-93	
RAB 217	BAT38xBAT1341	HONDURAS 46	6	21	2B	49	79	.	N	8	7	6	7	7	84-94	
RAB 218	BAT38xBAT1341	HONDURAS 46	6	18	2B	50	79	.	N	8	7	6	7	5	84-95	
RAB 219	BAT38xBAT1341	HONDURAS 46	6	23	2B	47	82	2	N	7	7	8	5	5	84-96	86
RAB 220	BAT958xBAT1225	ZAMORANO	6	27	3B	47	86	.	N	7	6	7	7	9	84-97	
RAB 221	BAT1155xBAT1341	HONDURAS 46	6	25	2B	48	86	.	N	6	7	7	6	7	84-98	
RAB 222	BAT1155xBAT1341	HONDURAS 46	6	24	2B	48	83	.	N	7	8	8	6	7	84-99	
RAB 223	BAT1155xBAT1341	HONDURAS 46	6	26	2B	48	85	.	N	7	8	9	6	7	84-100	
RAB 224	BAT1192xBAT789	HONDURAS 46	6	24	3	48	85	.	N	8	8	8	6	7	84-101	
RAB 225	BAT1192xBAT1333	HONDURAS 46	6	25	2B	45	80	.	N	7	7	7	7	5	84-102	
RAB 226	BAT1192xBAT1333	HONDURAS 46	6	24	2B	50	86	.	N	7	6	6	6	3	84-103	
RAB 227	BAT1192xBAT1334	HONDURAS 46	6	24	2B	48	88	.	N	7	5	6	6	7	84-104	
RAB 228	BAT1225xBAT1335	HONDURAS 46	6	27	2B	45	78	.	N	7	7	8	6	7	84-105	
RAB 229	BAT1225xBAT1335	HONDURAS 46	6	19	2A	49	88	.	N	7	6	6	5	3	84-106	
RAB 230	BAT1225xBAT1337	HONDURAS 46	6	24	2B	54	88	1	M	7	6	8	5	5	84-107	86
RAB 231	BAT1225xBAT1337	HONDURAS 46	6	22	3	48	85	.	N	7	6	7	6	5	84-108	
RAB 232	BAT1225xBAT1337	HONDURAS 46	6	21	2B	48	86	.	M	7	6	9	7	7	84-109	
RAB 233	BAT1236xBAT1155	HONDURAS 46	6	19	2	48	82	2	N	7	7	7	7	7	84-110	86
RAB 234	BAT1236xBAT1155	HONDURAS 46	6	20	2	47	86	3	N	6	6	8	6	5	84-111	86
RAB 235	BAT1236xBAT1155	HONDURAS 46	6	19	3	47	84	.	N	7	5	6	7	7	84-112	
RAB 236	BAT1236xBAT1155	HONDURAS 46	6	20	2	45	83	.	N	7	6	7	6	7	84-113	
RAB 237	BAT1236xBAT1155	HONDURAS 46	6	22	2	47	77	.	N	7	7	7	6	5	84-114	
RAB 238	BAT1236xBAT1155	HONDURAS 46	6	21	2B	46	82	.	N	7	7	7	6	5	84-115	
RAB 239	BAT1236xBAT1155	HONDURAS 46	6	20	2B	47	82	3	N	6	6	7	6	5	84-116	86
RAB 240	BAT1236xBAT1155	HONDURAS 46	6	20	2B	47	82	.	N	7	8	7	6	7	84-117	
RAB 241	BAT1252xBAT1232	MEXICO 80	6	22	3	44	79	.	N	7	7	8	6	5	84-118	
RAB 242	BAT1335xBAT1320	HONDURAS 46	6	19	2B	49	82	.	N	8	8	9	6	7	84-119	
RAB 243	BAT1337xBAT1320	HONDURAS 46	6	19	2B	49	86	.	N	8	6	7	6	5	84-120	
RAB 244	BAT1337xBAT1320	HONDURAS 46	6	21	2A	50	87	3	N	7	5	9	7	5	84-121	86
RAB 245	G4450xBAT1155	ZAMORANO	6	24		42	82	.	N	8	6	8	7	5	84-122	
RAB 246	BAT795xBAT1339	HONDURAS 46	6	23	3	46	86	3	N	7	6	8	7	9	84-123	86
RAB 247	BAT795xBAT1339	HONDURAS 46	6	26	3	46	84	.	N	8	7	8	7	7	84-124	86
RAB 248	BAT1339xG3645	HONDURAS 46	6	23	2A	47	80	.	N	7	9	8	6	7	84-125	
RAB 249	BAT1336xBAT1339	HONDURAS 46	6	22	2A	47	85	2	N	7	6	8	7	5	84-126	86
RAB 250	BAT1220xG14026	HONDURAS 46	6	23	3A	42	75	.	N	8	6	7	7	7	84-127	
RAB 251	BAT1231xG14026	HONDURAS 46	6	26	2	47	81	2	N	6	7	8	6	7	84-128	86
RAB 252	G14026xAPN70	HONDURAS 46	6	25	3	42	77	.	N	7	6	7	7	7	84-129	
RAB 253	G14026xAPN70	HONDURAS 46	6	28	3	42	81	.	N	8	8	7	6	7	84-130	
RAB 254	BAT1311xBAT1554	HONDURAS 46	6	20	2B	47	79	2	N	8	7	8	7	3	84-131	86
RAB 255	BAT448x(BAT897xBAT1155)	HONDURAS 46	6	23	2B	48	81	.	N	7	6	7	6	3	84-132	
RAB 256	DOR148xBAT1274	HONDURAS 46	6	27	1	47	86	3	N	8	3	8	7	7	84-133	86
RAB 257	DOR148xBAT1274	MEXICO 80	6	25	1	43	85	.	N	7	2	9	7	5	84-134	
RAB 258	BAT1155xBAT304		6	.	.	.	.	.	N	.	.	.	.	.	.
RAB 259	BAT1225xG12727	HONDURAS 46	6	21	3	42	68	.	M	7	2	9	6	5	85-1288	
RAB 260	BAT1225xG12727	HONDURAS 46	6	21	3	42	68	.	N	7	1	8	6	5	85-1289	
RAB 261	BAT1225xG12727	HONDURAS 46	6	25	3	36	65	.	N	7	2	9	6	5	85-1290	
RAB 262	BAT1225xBAT1136	HONDURAS 46	6	21	3A	40	72	.	N	8	4	8	6	7	85-1291	
RAB 263	BAT1334xBAT1192	HONDURAS 46	6	18	2	43	75	.	N	7	2	6	6	7	85-1292	87
RAB 264	BAT1334xG4495	HONDURAS 46	6	20	2	41	70	.	N	7	8	9	6	7	85-1293	
RAB 265	BAT1350xBAT41	HONDURAS 46	6	22	2	37	70	.	N	8	6	8	6	5	85-1294	
RAB 266	XAN95xBAT1310	HONDURAS 46	6	27	3A	40	71	.	N	7	6	8	5	3	85-1295	
RAB 267	BAT1454xXAN94	HONDURAS 46	6	22	3A	39	73	.	N	6	6	6	5	5	85-1296	87
RAB 268	BAT1454xBAT1155	HONDURAS 46	6	21	3A	41	73	.	N	6	6	6	5	5	85-1297	87
RAB 269	BAT1474xBAT1336	HONDURAS 46	6	21	2	39	71	1	N	9	7	8	7	6	85-1298	
RAB 270	BAT1489xBAT1136	HONDURAS 46	6	21	3	41	77	1	N	8	4	8	6	9	85-1299	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
						Fl	Mt	Fot	ECMV								
RAB 271	BAT1489xBAT1300	HONDURAS	46	6	21	3	42	75	.	N	7	4	7	4	5	85-1300	
RAB 272	G3627xBAT1252	HONDURAS	46	6	21	2	36	66	1	N	9	8	8	7	7	85-1301	
RAB 273	BAT1192xXAN112	HONDURAS	46	6	23	3	37	71	1	N	7	7	8	8	7	85-1302	87
RAB 274	RAB12xBAT1337	HONDURAS	46	6	23	2	37	74	4	N	9	6	8	7	6	85-1303	
RAB 275	A115xG8685	HONDURAS	46	6	25	3	39	76	.	N	7	5	7	5	5	85-1304	
RAB 276	BAT1215xXAN88	HONDURAS	46	6	22	2	41	70	.	N	6	8	7	5	7	85-1305	
RAB 277	XAN111xDOR148	HONDURAS	46	6	22	3	38	71	.	N	6	4	8	5	5	85-1306	
RAB 278	BAT1334xG8685	HONDURAS	46	6	20	2	39	68	.	N	7	7	7	6	5	85-1307	
RAB 279	BAT1573xBAT1474	HONDURAS	46	6	21	2A	37	71	.	N	6	6	8	6	7	85-1308	
RAB 280	BAT1573xBAT1474	HONDURAS	46	6	20	2	36	68	.	N	6	6	7	7	7	85-1309	
RAB 281	RAB164xXAN90	HONDURAS	46	6	23	2	41	73	.	N	6	7	4	7	5	85-1310	87
RAB 282	G14026xSEL269	HONDURAS	46	6	25	3	34	64	.	N	5	5	8	5	7	85-1311	
RAB 283	G4482xRAB166	HONDURAS	46	6	23	3	37	68	.	N	7	6	9	5	5	85-1312	
RAB 284	DOR164x (BAT1102xAPN70)	HONDURAS	46	6	25	3	37	68	.	N	6	6	9	5	7	85-1313	
RAB 285	RAB39xBAT41	HONDURAS	46	6	24	3	37	70	1	N	9	7	8	6	7	85-1314	
RAB 286	RAB39xBAT41	HONDURAS	46	6	25	3	37	73	.	N	6	5	8	6	7	85-1315	
RAB 287	BAT58xBAT1432	HONDURAS	46	6	30	3	37	68	.	N	7	4	9	6	5	85-1316	
RAB 288	BAT896xBAT41	HONDURAS	46	6	22	2	39	71	1	N	9	6	8	7	5	85-1317	
RAB 289	(DOR83xG4525)xG11492	HONDURAS	46	6	21	3	37	71	.	N	7	8	8	4	7	85-1318	
RAB 290	BAT1334xBAT1192	HONDURAS	46	6	18	3	41	75	1	N	9	5	8	8	7	85-1319	
RAB 291	BAT1350xBAT41	HONDURAS	46	6	23	2	37	71	1	N	9	7	8	8	6	85-1320	
RAB 292	A115xG8685	HONDURAS	46	6	25	3	42	75	.	N	7	6	7	5	5	85-1321	
RAB 293	BAT1215xXAN88	HONDURAS	46	6	22	2	39	76	1	N	7	8	8	8	7	85-1322	
RAB 294	BAT1489xXAN58	HONDURAS	46	6	22	2	41	74	3	N	9	6	8	8	7	85-1323	
RAB 295	SEL270xBAT1514	HONDURAS	46	6	18	2	38	71	.	N	5	5	7	5	7	85-1324	
RAB 296	DOR164x (BAT1501xBAT47)	HONDURAS	46	6	21	3	38	71	2	N	9	8	8	4	6	85-1325	
RAB 297	DOR164x (BAT1514xXAN58)	HONDURAS	46	6	27	2	36	64	.	N-M	6	3	7	4	5	85-1326	
RAB 298	DOR164x (XAN90xBAT1339)	HONDURAS	46	6	26	2	41	71	3	N	9	6	8	6	7	85-1327	
RAB 299	BAT1215x (BAT1501xBAT47)	HONDURAS	46	6	22	2	41	71	.	N	6	7	7	6	5	85-1328	
RAB 300	BAT1215x (BAT1489xXAN58)	HONDURAS	46	6	19	2	43	75	.	N-M	5	4	7	6	7	85-1329	
RAB 301	BAT1215x (BAT1489xXAN58)	HONDURAS	46	6	18	3	39	78	.	M-N	5	7	7	5	7	85-1330	
RAB 302	RAB113x (XAN90xBAT1155)	HONDURAS	46	6	20	2	40	73	1	N	9	8	8	7	7	85-1331	87
RAB 303	RAB165x (XAN90xBAT1192)	HONDURAS	46	6	23	3	38	77	1	N	9	5	7	7	7	85-1332	87
RAB 304	BAT1336x (XAN94xBAT1339)	HONDURAS	46	6	16	3	37	73	.	N	6	5	6	4	5	85-1333	87
RAB 305	BAT1501x (RAB40xEMP105)	HONDURAS	46	6	23	2	38	71	1	N	8	8	8	7	7	85-1334	
RAB 306	BAT1514x (BAT1761xBAT1501)	HONDURAS	46	6	20	2	37	68	1	N	9	7	8	7	7	85-1335	
RAB 307	BAT1215x (BAT202xXAN58)	HONDURAS	46	6	22	3	40	73	.	N	6	4	7	4	9	85-1336	
RAB 308	BAT1215x (BAT202xXAN58)	HONDURAS	46	6	21	3	41	77	1	N	8	5	8	7	6	85-1337	
RAB 309	DOR164x (BAT1505xA40)	HONDURAS	46	6	18	3	36	66	.	N-M	4	8	9	6	5	85-1338	
RAB 310	DOR164x (SEL277xBAT1514)	ZAMORANO	46	6	22	2B	40	71	1	N	6	7	8	7	7	85-1339	
RAB 311	DOR164x (SEL277xBAT1514)	HONDURAS	46	6	21	2B	39	71	1	N	9	7	7	7	7	85-1340	
RAB 312	DOR164xEMP100	HONDURAS	46	6	24	3	37	71	4	M	9	5	9	8	6	85-1341	
RAB 313	DOR164xEMP100	HONDURAS	46	6	23	2	36	64	4	M	9	5	9	7	8	85-1342	
RAB 314	DOR164x (BAT1514xBAT1577)	HONDURAS	46	6	26	2	37	68	2	M-N	9	7	9	9	5	85-1343	
RAB 315	BAT1454xBAT1338	HONDURAS	46	6	23	2	39	71	1	M	9	4	9	8	7	85-1344	
RAB 316	DOR125x (RAB39xBAT41)	ZAMORANO	46	6	23	3	37	71	.	N	5	6	9	4	5	85-1345	
RAB 317	DOR125x (RAB39xBAT41)	HONDURAS	46	6	19	2	39	73	.	N	6	7	9	5	5	85-1346	
RAB 318	SEL191x (RAB39xBAT41)	HONDURAS	46	6	19	2	39	72	.	N	7	6	7	6	5	85-1347	
RAB 319	BAT38xBAT1341	HONDURAS	46	6	23	2	39	68	1	N	9	6	9	8	7	85-1348	
RAB 320	BAT38xBAT1341	HONDURAS	46	6	20	2	36	66	.	N	6	7	9	6	7	85-1349	
RAB 321	BAT1311xBAT1320	HONDURAS	46	6	17	2	40	68	.	N	6	7	9	3	7	85-1350	
RAB 322	BAT1334xG4495	HONDURAS	46	6	19	2	40	68	.	N	6	6	9	4	7	85-1351	
RAB 323	BAT1105xBAT1276	HONDURAS	46	6	18	2A	39	66	1	N	9	3	9	6	7	85-1352	
RAB 324	BAT1489xBAT1298	HONDURAS	46	6	19	2	40	73	1	N	9	5	8	8	7	85-1353	
RAB 325	BAT1489xBAT1298	HONDURAS	46	6	20	2A	41	71	1	N	9	5	8	7	7	85-1354	
RAB 326	BAT1350xBAT1312	HONDURAS	46	6	24	2	40	71	.	N	5	4	7	6	9	85-1355	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to			BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
						Fl	Mt	Fot									
RAB 327	G14026xSEL269	HONDURAS 46	6	25	3	33	64	.	N	6	5	8	3	5	85-1356		
RAB 328	G14026xSEL269	HONDURAS 46	6	25	3	32	64	.	N	6	5	9	5	5	85-1357		
RAB 329	G4482xRAB40	HONDURAS 46	6	22	3	38	64	.	N	5	5	8	5	7	85-1358		
RAB 330	G4482xRAB40	HONDURAS 46	6	23	3	36	66	.	N	6	4	9	4	5	85-1359		
RAB 331	G4482xRAB40	HONDURAS 46	6	23	2	32	62	.	N	5	4	9	5	5	85-1360		
RAB 332	G4482xRAB40	HONDURAS 46	6	21	2	33	66	3	N	9	6	9	7	7	85-1361		
RAB 333	G4477xRAB165	HONDURAS 46	6	21	2	37	68	.	N	6	5	9	4	5	85-1362		
RAB 334	G4477xRAB165	HONDURAS 46	6	19	2	37	64	.	N	5	5	9	5	7	85-1363		
RAB 335	G4090xBAT1337	HONDURAS 46	6	21	2	36	73	.	N	5	6	9	5	5	85-1364		
RAB 336	G4090xBAT1337	HONDURAS 46	6	16	2	33	61	.	M	6	5	8	5	7	85-1365		
RAB 337	G4090xBAT1337	HONDURAS 46	6	19	2	32	62	.	M	7	4	9	6	7	85-1366		
RAB 338	G4090xRAB164	HONDURAS 46	6	19	2	32	64	.	N-M	7	6	9	6	7	85-1367		
RAB 339	G14027xRAB40	HONDURAS 46	6	22	2	32	61	.	N	6	6	7	6	5	85-1368		
RAB 340	BAT1336xG14027	HONDURAS 46	6	21	2	36	61	.	N-M	6	6	9	5	7	85-1369		
RAB 341	BAT1336xG14027	HONDURAS 46	6	20	2	36	62	.	N	6	4	8	4	7	85-1370		
RAB 342	BAT1336xG14027	HONDURAS 46	6	23	2	33	61	.	N	6	6	8	4	7	85-1371		
RAB 343	BAT1654xG14027	HONDURAS 46	6	20	2	36	64	.	N	6	6	8	7	7	85-1372		
RAB 344	BAT1654xG14027	HONDURAS 46	6	25	3	33	64	.	N	6	6	9	4	7	85-1373		
RAB 345	DOR164x (BAT1102xAPN70)	HONDURAS 46	6	30	3	37	64	.	M-N	6	4	9	4	7	85-1374		
RAB 346	RAB39xBAT41	HONDURAS 46	6	22	3	39	68	.	N	6	3	8	6	7	85-1375		
RAB 347	RAB39xBAT41	HONDURAS 46	6	23	3	37	68	.	N	5	4	9	6	5	85-1376		
RAB 348	DOR164x (BAT1336xG14027)	HONDURAS 46	6	23	2	35	61	.	N	7	6	8	4	7	85-1377		
RAB 349	BAT1215x (G4090xBAT1337)	HONDURAS 46	6	20	2	34	61	.	N	6	5	8	5	7	85-1378		
RAB 350	BAT1631xG14027	HONDURAS 46	6	22	2	37	68	.	N	7	4	6	4	5	85-1379	87	
RAB 351	BAT1651x (BAT789xBAT1500)	HONDURAS 46	6	21	2	37	68	.	N	5	4	6	4	5	85-1380	87	
RAB 352	DOR125x (XAN95xBAT1339)	HONDURAS 46	6	21	2	37	71	4	N	9	4	8	7	5	85-1381		
RAB 353	A40xBAT1337	HONDURAS 46	6	20	2A	40	69	.	N	9	7	7	6	6	86-160		
RAB 354	BAT795xG8685	ZAMORANO	6	27	2B	41	72	1	N	9	8	6	7	7	86-161		
RAB 355	G14027xRAB40	ZAMORANO	6	24	2A	30	57	.	N	9	7	7	9	7	86-162		
RAB 356	BAT1629xG14027	ZAMORANO	6	19	3	33	66	.	N	9	6	8	8	7	86-163		
RAB 357	A40xG14026	HONDURAS 46	6	27	3	31	63	.	N	9	7	7	7	7	86-164		
RAB 358	A40xG14026	HONDURAS 46	6	30	2B	33	63	3	N	9	7	7	8	8	86-165		
RAB 359	A40xG14026	HONDURAS 46	6	26	2B	32	63	3	N	9	8	7	8	7	86-166		
RAB 360	A176xBAT1252	ZAMORANO	6	25	3	40	70	2	N	9	2	7	6	4	86-167	88	
RAB 361	G76xG4090	HONDURAS 46	6	22	2B	36	66	4	N	9	8	7	6	7	86-168		
RAB 362	BAT41xBAT1339	HONDURAS 46	6	21	2B	38	71	.	N	9	7	7	6	6	86-169		
RAB 363	BAT41xBAT1339	ZAMORANO	6	24	2B	33	64	.	N	9	8	7	6	7	86-170		
RAB 364	BAT41xBAT1339	ZAMORANO	6	21	2B	.	69	.	N	9	6	7	7	8	86-171		
RAB 365	BAT1350xBAT41	ZAMORANO	6	20	2B	36	70	2	N	9	7	7	7	6	86-172		
RAB 366	BAT1573xBAT1474	HONDURAS 46	6	21	2B	38	70	1	N	9	7	7	7	8	86-173		
RAB 367	G4482xRAB40	ZAMORANO	6	20	2B	32	66	.	N	9	6	8	8	7	86-174		
RAB 368	G4482xRAB40	ZAMORANO	6	23	2B	33	68	.	N	9	6	8	7	7	86-175		
RAB 369	G4482xRAB40	ZAMORANO	6	25	2B	31	65	.	N	9	4	8	7	8	86-176		
RAB 370	G4090xBAT1337	ZAMORANO	6	23	2B	31	64	.	M	9	4	8	6	9	86-177		
RAB 371	BAT1336xG14027	ZAMORANO	6	23	2B	37	67	.	M	9	7	8	6	9	86-178		
RAB 372	BAT1577xG14027	HONDURAS 46	6	20	2B	35	68	.	N	9	6	8	6	8	86-179		
RAB 373	BAT1629xG14027	ZAMORANO	6	21	2B	38	69	.	N	9	5	8	6	8	86-180		
RAB 374	BAT37xG14026	ZAMORANO	6	21	3	33	62	.	N	9	7	7	7	7	86-181		
RAB 375	RAB77xBAT41	ZAMORANO	6	22	2B	34	64	.	N	9	6	8	7	8	86-182		
RAB 376	RAB77xBAT41	ZAMORANO	6	21	2B	37	68	.	N	9	6	7	6	6	86-183		
RAB 377	DOR164x (BAT1336xG14027)	ZAMORANO	6	23	2B	30	56	.	N	9	7	8	6	7	86-184		
RAB 378	BAT1215x (G4090xBAT1337)	HONDURAS 46	6	23	2B	31	63	.	N	9	7	8	7	4	86-185		
RAB 379	RAO3xG14026	HONDURAS 46	6	29	2B	33	60	.	N	9	6	8	7	6	86-186		
RAB 380	A40xG14026	HONDURAS 46	6	27	2B	35	70	.	N	9	8	7	7	7	86-187		
RAB 381	RAB35xBAT41	ZAMORANO	6	23	2A	33	67	.	N	9	7	8	7	7	86-188		
RAB 382	EMP105xBAT1514	ZAMORANO	6	22	2A	38	70	.	N	9	1	8	6	7	86-189		

Line	Cross	Cult. type	Seed			Days to									VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
RAB 383	DOR125x(RAB39xBAT41)	ZAMORANO	6	22	2B	34	67	.	N	9	7	8	7	8	86-190	
RAB 384	BAT41xBAT1341	HONDURAS 46	6	20	2B	40	71	.	N	9	7	8	6	7	86-191	
RAB 385	BAT1352xBAT1334	ZAMORANO	6	21	2A	40	70	.	N	9	7	7	7	7	86-192	
RAB 386	BAT38xBAT1341	ZAMORANO	6	21	2B	39	70	.	N	9	6	7	7	8	86-193	
RAB 387	BAT1311xBAT1320	HONDURAS 46	6	16	2A	39	70	1	N	9	7	7	6	6	86-194	
RAB 388	BAT1454xBAT1155	ZAMORANO	6	21	2B	39	71	.	N	9	3	7	7	5	86-195	
RAB 389	BAT1640xG17672	HONDURAS 46	6	19	2A	39	70	.	N	9	7	7	7	7	86-196	
RAB 390	BAT1337xG17661	ZAMORANO	6	18	2B	40	67	.	N	9	6	7	7	6	86-197	
RAB 391	BAT1350xBAT1311	HONDURAS 46	6	19	2B	37	70	1	N	9	7	7	7	7	86-198	
RAB 392	BAT1311xBAT58	HONDURAS 46	6	24	2B	41	69	.	N	9	6	7	7	7	86-199	
RAB 393	BAT1639xBAT1311	HONDURAS 46	6	20	2B	40	70	.	N	9	5	7	7	8	86-200	
RAB 394	BAT41xG14027	ZAMORANO	6	17	2A	37	68	.	N	9	5	8	7	8	86-201	
RAB 395	G4482xRAB166	ZAMORANO	6	27	3	33	71	.	N	8	3	8	6	7	86-202	
RAB 396	G4482xRAB40	ZAMORANO	6	20	3	41	72	.	N	9	5	7	7	7	86-203	
RAB 397	G14027xRAB40	ZAMORANO	6	25	2B	40	71	.	N	9	4	8	6	6	86-204	
RAB 398	G14027xRAB40	ZAMORANO	6	25	2B	39	72	.	N	9	3	7	6	4	86-205	
RAB 399	G14027xRAB40	ZAMORANO	6	23	2B	41	71	.	N	9	3	8	6	5	86-206	
RAB 400	DOR306xDOR294	ZAMORANO	6	24	3	36	71	.	N	9	6	7	7	5	86-207	
RAB 401	BAT1145xBAT1669	ZAMORANO	6	21	2B	38	71	.	N	9	5	7	6	6	86-208	
RAB 402	BAT1145xBAT1669	ZAMORANO	6	23	2B	38	69	.	N	9	2	8	7	5	86-209	
RAB 403	DOR164x(BAT1514xXAN58)	ZAMORANO	6	28	3	35	66	.	N	9	4	7	5	8	86-210	
RAB 404	BAT1215x(XAN90xBAT789)	HONDURAS 46	6	19	2B	43	74	.	N	9	6	7	6	7	86-211	
RAB 405	DOR164x(BAT41xBAT1220)	ZAMORANO	6	20	2B	36	69	.	M	9	4	7	6	7	86-212	
RAB 406	RAB77xBAT41	ZAMORANO	6	25	2B	38	69	.	N	9	7	8	7	6	86-213	
RAB 407	A40xG14026	HONDURAS 46	6	24	2B	34	67	.	N	9	6	8	7	7	86-214	
RAB 408	RAB35xDOR164	ZAMORANO	6	28	2B	31	65	.	M-N	8	6	8	7	8	86-215	
RAB 409	RAB35xDOR164	ZAMORANO	6	25	2B	33	65	.	N-M	8	7	8	7	7	86-216	
RAB 410	BAT1516x(RAB171xBAT41)	ZAMORANO	6	22	2B	40	71	.	N	9	7	7	7	7	86-217	
RAB 411	BAT1576xG14027	HONDURAS 46	6	26	3	31	64	.	N	9	7	7	6	7	86-218	
RAB 412	BAT1576xG14027	HONDURAS 46	6	23	3	40	71	.	N	8	6	7	5	7	86-219	
RAB 413	BAT1576xG14027	HONDURAS 46	6	26	3	31	70	.	N	9	7	7	6	6	86-220	
RAB 414	BAT1631xG14027	ZAMORANO	6	20	2B	40	71	5	N	9	7	7	7	6	86-221	
RAB 415	BAT1631xG14027	ZAMORANO	6	21	3	40	71	.	N	9	8	7	7	7	86-222	
RAB 416	BAT1631xG14027	HONDURAS 46	6	23	3	39	71	4	N	9	7	6	7	4	86-223	88
RAB 417	EMP105x(RAB39xBAT41)	ZAMORANO	6	23	2B	40	70	.	N	9	6	8	6	5	86-224	
RAB 418	BAT1626xG8685	HONDURAS 46	6	24	2B	36	70	.	N	8	7	7	6	7	86-225	
RAB 419	DOR83xDOR41	ZAMORANO	6	20	2A	40	70	.	N	9	7	8	6	7	86-226	
RAB 420	BAT1192xBAT1312	HONDURAS 46	6	22	3	38	71	.	N	8	6	8	7	7	86-227	
RAB 421	BAT1215xDOR191	HONDURAS 46	6	20	2A	41	71	.	N	7	6	8	7	7	86-228	
RAB 422	BAT1454xBAT1155	HONDURAS 46	6	24	2B	38	69	.	N	9	3	7	7	5	86-229	
RAB 423	BAT41xG14027	ZAMORANO	6	16	2A	39	69	.	N	9	5	8	6	8	86-230	
RAB 424	BAT41xG14027	HONDURAS 46	6	20	2A	38	68	.	N	9	5	7	6	8	86-231	
RAB 425	BAT340xBAT1489	HONDURAS 46	6	22	2B	37	68	.	N	9	6	8	7	8	86-232	
RAB 426	G4477xRAB40	ZAMORANO	6	25	3	35	75	.	N	9	5	8	6	7	86-233	
RAB 427	DOR306xDOR294	ZAMORANO	6	23	3	31	65	.	M	8	7	8	7	8	86-234	
RAB 428	BAT1145xBAT1579	ZAMORANO	6	20	2A	37	69	3	N	9	6	7	8	7	86-235	
RAB 429	SEL270xBAT1336	HONDURAS 46	6	23	2B	39	71	.	N	9	6	7	6	7	86-236	
RAB 430	BAT1516x(RAB171xBAT41)	ZAMORANO	6	23	2A	39	70	.	N	9	7	7	7	8	86-237	
RAB 431	BAT1651x(SEL273xBAT1514)	ZAMORANO	6	19	2A	40	71	.	N	8	7	7	6	7	86-238	
RAB 432	DOR125x(RAB39xBAT41)		6	.	.	.	.	.	N	.	.	.	.	.
RAB 433	BAT1489xBAT1336		6	.	.	.	.	.	N	.	.	.	.	.
RAB 434	EMP105xBAT1514		6	.	.	.	.	.	N	.	.	.	.	.
RAB 435	DOR164x(BAT41xBAT1220)		6	.	.	.	.	.	N	.	.	.	.	.
RAB 436	BAT1105xBAT1276		6	.	.	.	.	.	N	.	.	.	.	.
RAB 437	A40xG14026		6	.	.	.	.	.	N	.	.	.	.	.
RAB 438	G4482xRAB40		6	.	.	.	.	.	N	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to				Ant	CBB	ALS	Rust	Yr	VRF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Pot	BCMV								Emp
RAB 439	SEL270xBAT1336		6	.	.	.	.	N	.	.	.	.	.	.	.	.
RAB 440	BAT1577xG14027		6	.	.	.	.	N	.	.	.	.	.	.	.	.
RAB 441	DOR306xDOR294		6	.	.	.	.	N	.	.	.	.	.	.	.	.
RAB 442	BAT1514x (XAN90xBAT1155)		6	.	.	.	.	N	.	.	.	.	.	.	.	.
RAB 443	G8685xBAT1626		6	.	.	.	.	N	.	.	.	.	.	.	.	.
RAB 444	A40xBAT1337		6	.	.	.	.	N	.	.	.	.	.	.	.	.
RAB 445	G14026xSEL269	RED MEXICAN	6	28	3	30	72	3	N	8	7	6	7	6	88-643	
RAB 446	G3719xRAO3	RED MEXICAN	6	29	3	37	75	.	M-N	8	8	7	7	7	88-644	
RAB 447	G14027xRAB40	ZAMORANO	6	22	2B	28	65	.	N	9	7	7	8	4	88-768	
RAB 448	DOR164x (SEL273xBAT1514)	RED MEXICAN	6	24	2B	34	70	.	N	9	8	6	7	7	88-645	
RAB 449	DOR125x (XAN95xBAT1339)	HONDURAS 46	6	20	2B	36	70	.	N	8	7	6	7	6	88-508	
RAB 450	BAT1631xG14027	RED MEXICAN	6	22	3	34	72	8	N	8	7	7	7	6	88-646	
RAB 451	BAT789xG4090	RED MEXICAN	6	23	3	33	70	.	N	9	4	7	5	6	88-647	
RAB 452	BAT1215x (G4090xRAB164)	ZAMORANO	6	22	2B	33	62	.	N	.	8	.	6	7	89-512	
RAB 453	G14027x (BAT1235x (RAB35xDOR164))	RED MEXICAN	6	23	2B	30	65	3	N	8	8	7	7	7	88-648	
RAB 454	A429xG18244	RED MEXICAN	6	20	2B	36	70	.	N	8	8	7	7	7	88-649	
RAB 455	SEL191xBAT1514	RED MEXICAN	6	19	2B	37	76	.	N	9	8	5	7	7	88-650	
RAB 456	RAB58xRAB145	RED MEXICAN	6	24	2B	37	76	5	N	9	8	6	7	6	88-651	
RAB 457	XAN90xRAB203	RED MEXICAN	6	24	2B	37	72	.	N	8	6	7	4	7	88-755	
RAB 458	BAT1220xG14026	RED MEXICAN	6	23	3	34	76	.	N	9	7	7	7	6	88-652	
RAB 459	XAN90xBAT789	HONDURAS 46	6	18	2B	35	67	.	N-M	9	9	7	7	3	88-509	
RAB 460	G14027x (BAT1235x (RAB35xDOR164))	RED MEXICAN	6	21	2B	31	76	.	N-M	9	7	7	8	7	88-653	
RAB 461	A429xG18244	HONDURAS 46	6	18	2B	37	70	.	N	9	8	5	7	6	88-510	
RAB 462	XAN90xA40	RED MEXICAN	6	25	2B	36	76	.	N	8	8	6	6	7	88-654	
RAB 463	G18244xMUS6	ZAMORANO	6	20	2A	38	75	.	N	8	7	6	7	7	88-769	
RAB 464	A40xG14027	RED MEXICAN	6	26	2B	30	62	.	N	9	8	6	6	7	88-655	
RAB 465	PAI113xG14027	RED MEXICAN	6	23	3	32	72	.	N	9	7	6	7	6	88-657	
RAB 466	G4477xBAT1631	RED MEXICAN	6	19	2A	37	74	.	M	9	6	5	7	6	88-656	
RAB 467	G4090xBAT1225	RED MEXICAN	6	25	3	37	75	.	N-M	9	5	5	7	6	88-658	
RAB 468	G17661xBAT1225	RED MEXICAN	6	21	3	34	75	.	N-M	9	8	7	7	4	88-659	
RAB 469	BAT1113xG8685	RED MEXICAN	6	22	2B	34	72	1	N	8	7	6	8	7	88-661	
RAB 470	SEL191xBAT1514	RED MEXICAN	6	22	2B	36	72	8	N	8	8	6	7	7	88-662	
RAB 471	RAB49xRAB155	RED MEXICAN	6	28	3	33	72	.	N	9	8	7	6	6	88-660	
RAB 472	RAB49xRAB155	RED MEXICAN	6	26	3	32	70	.	N	8	8	6	7	4	88-663	
RAB 473	RAB49xRAB155	RED MEXICAN	6	27	2B	34	70	.	N	8	8	7	7	6	88-665	
RAB 474	RAB49xRAB155	RED MEXICAN	6	24	2A	37	70	.	N	8	7	6	6	6	88-666	
RAB 475	RAB58xBAT1501	RED MEXICAN	6	20	3	37	74	5	N	9	5	6	7	4	88-667	
RAB 476	RAB58xBAT1501	RED MEXICAN	6	21	3	37	74	5	N	9	5	7	7	5	88-668	
RAB 477	RAB49xBAT1501	RED MEXICAN	6	24	2B	33	65	5	N	8	6	6	7	5	88-664	
RAB 478	RAO33xXAN90	HONDURAS 46	6	22	2	37	72	7	N	8	8	6	7	7	88-511	
RAB 479	RAB63xXAN33	RED MEXICAN	6	20	2B	36	74	.	N	9	8	5	7	5	88-669	
RAB 480	G4482xRAB40	RED MEXICAN	6	22	3	33	74	.	N	9	7	5	6	6	88-672	
RAB 481	BAT1626xG4143	RED MEXICAN	6	22	2B	37	75	4	N	9	9	7	7	4	88-673	
RAB 482	RAB166xBAT1630	ZAMORANO	6	22	2B	36	72	.	N	9	7	6	7	6	88-770	
RAB 483	G14027xBAT1297	HONDURAS 46	6	21	2B	35	62	.	N	.	7	.	6	4	89-330	
RAB 484	G17661xBAT1297	HONDURAS 46	6	22	2B	37	62	.	N	.	8	.	7	7	89-331	
RAB 485	G18452xRAO33	ZAMORANO	6	29	2A	39	62	.	N	.	8	.	4	7	89-508	
RAB 486	RAB49xRAB56	RED MEXICAN	6	32	3	34	62	3	N	.	4	8	7	8	89-450	
RAB 487	RAB49xRAB56	RED MEXICAN	6	30	3	34	62	.	N	.	7	7	8	7	89-451	
RAB 488	RAB205xRAB56	RED MEXICAN	6	27	2B	33	62	.	N	.	5	7	7	8	89-452	
RAB 489	RAB205xRAB56	RED MEXICAN	6	31	2B	31	62	.	N	.	6	7	7	7	89-453	
RAB 490	RAB205xRAB56	RED MEXICAN	6	31	3	32	62	.	N	.	6	7	7	8	89-454	
RAB 491	G4090xRAB56	ZAMORANO	6	25	2B	33	62	.	N	.	6	4	6	7	89-513	
RAB 492	G4090xRAB56	RED MEXICAN	6	26	3	31	62	.	N	.	6	8	6	8	89-455	
RAB 493	G4090xRAB56	ZAMORANO	6	27	3	33	62	.	N	.	8	.	5	7	89-514	
RAB 494	G4090xRAB56	RED MEXICAN	6	28	3	32	62	.	N	.	8	8	6	8	89-456	

Line	Cross	Cult. type	Seed			Days to							VRF Yr Ent	IB YAN		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust
RAB 495	G4090xRAB56	RED MEXICAN	6	26	3	31	62	.	N	.	8	.	6	7	89-457	
RAB 496	RAB166xXAN90	ZAMORANO	6	24	2A	34	62	.	N	.	6	8	7	8	89-509	
RAB 497	G18244xRAB56	RED MEXICAN	6	30	3	30	62	.	N	.	7	.	7	7	89-458	
RAB 498	RAB39xXAN90	HONDURAS 46	6	23	2B	39	64	.	N	.	7	.	7	5	89-337	
RAB 499	MCD2004xRAO27	RED MEXICAN	6	24	2B	34	62	.	N	.	8	.	7	4	89-446	
RAB 500	MCD2004xG17722	RED MEXICAN	6	26	3	33	66	.	N	.	9	.	7	7	89-459	
RAB 501	MCD2004xG17722	RED MEXICAN	6	29	3	32	62	.	N	.	9	.	7	4	89-460	
RAB 502	MCD2004xG17722	RED MEXICAN	6	29	3	32	62	.	N	.	9	.	7	4	89-461	
RAB 503	MCD2004xRAB60	RED MEXICAN	6	32	3	33	62	.	N	.	7	.	8	5	89-447	
RAB 504	MCD2004xRAB58	RED MEXICAN	6	27	2B	34	62	.	N	.	8	.	4	6	89-462	
RAB 505	MCD2004xRAB58	ZAMORANO	6	28	3	35	62	4	N	.	8	.	8	3	89-515	
RAB 506	G18244xDOR60	HONDURAS 46	6	27	2B	33	61	.	N	.	8	.	5	7	89-338	
RAB 507	G18244xRAO27	RED MEXICAN	6	27	2B	34	62	.	N	.	8	.	7	7	89-463	
RAB 508	BAT1489xRAB204	ZAMORANO	6	26	2A	38	66	.	N	.	7	.	3	7	89-516	
RAB 509	RAB292xMCD2004	HONDURAS 46	6	25	2A	35	63	.	N	.	8	.	7	6	89-333	
RAB 510	RAB292xMCD2004	HONDURAS 46	6	29	2A	35	66	.	N	.	8	.	8	5	89-334	
RAB 511	RAB292xMCD2004	HONDURAS 46	6	26	2A	35	64	.	N	.	8	.	7	4	89-335	
RAB 512	RAB142x (MCD2004xRAB142)	HONDURAS 46	6	26	2B	38	66	.	N	.	8	.	7	7	89-336	
RAB 513	G4090xRAB56	ZAMORANO	6	26	3	33	62	.	N	.	8	.	7	7	89-511	
RAB 514	MCD2004xG17722	RED MEXICAN	6	29	3	31	62	2	N	.	8	.	7	3	89-449	
RAB 515	XAN90x (XAN90xRAB42)	RED MEXICAN	6	21	2A	34	61	.	N	.	8	.	7	6	89-411	
RAB 516	BAT1449x (BAT1449xRAB42)	RED MEXICAN	6	21	3	39	65	.	N	.	8	5	6	6	89-412	
RAB 517	BAT1215x (BAT1215xMCD2004)	RED MEXICAN	6	26	2B	34	64	.	N	.	8	.	7	7	89-413	
RAB 518	BAT1215x (BAT1215xMCD2004)	HONDURAS 46	6	25	2B	39	63	.	N	.	8	.	8	6	89-311	
RAB 519	SEL758x (SEL758xMCD2004)	RED MEXICAN	6	23	2B	34	64	.	M	.	5	7	6	7	89-414	
RAB 520	RAB213xDOR364	HONDURAS 46	6	25	2B	35	62	.	N	.	8	.	5	7	89-312	
RAB 521	RAB255xDOR364	RED MEXICAN	6	26	2B	38	63	.	N	.	6	6	7	7	89-415	
RAB 522	IN110x (G18249x (G18249xRAB50))	ZAMORANO	6	22	2A	30	61	.	N	.	8	8	6	7	89-484	
RAB 523	{ IN115xG18249 } x (G18249xRAB50)	ZAMORANO	6	25	2B	32	62	.	N	.	8	5	7	7	89-485	
RAB 524	RAO29x (RAO29xRAB204)	RED MEXICAN	6	25	2B	34	61	.	N	.	8	.	7	7	89-416	
RAB 525	DOR164x (DOR164xMCD2004)	RED MEXICAN	6	30	2B	34	62	.	N	.	7	.	7	7	89-417	
RAB 526	DOR164x (DOR164xMCD2004)	RED MEXICAN	6	34	3	34	61	.	N	.	7	.	7	7	89-418	
RAB 527	G18249xRAB50	RED MEXICAN	6	23	3	34	62	.	N	.	8	.	7	5	89-419	
RAB 528	IN110x (G18249x (G18249xRAB50))	ZAMORANO	6	22	2A	30	61	.	N	.	7	7	7	7	89-486	
RAB 529	IN111x (G18249x (G18249xRAB50))	ZAMORANO	6	25	2A	31	61	.	N	.	8	8	7	8	89-487	
RAB 530	IN111x (G18249x (G18249xRAB50))	ZAMORANO	6	21	2A	31	61	.	N	.	2	.	6	5	89-488	
RAB 531	IN112x (G18249xRAB50)	RED MEXICAN	6	26	3	33	62	.	N-M	.	3	.	7	4	89-420	
RAB 532	{ IN115xG18249 } x (G18249xRAB50)	RED MEXICAN	6	25	3	31	61	.	N	.	2	.	7	4	89-421	
RAB 533	{ IN115xG18249 } x (G18249xRAB50)	RED MEXICAN	6	24	3	30	60	.	N	.	1	.	7	4	89-422	
RAB 534	{ IN115xG18249 } x (G18249xRAB50)	ZAMORANO	6	24	2A	34	61	.	N-M	.	2	.	6	3	89-489	
RAB 535	G6384xRAB49	RED MEXICAN	6	30	2B	35	62	.	N	.	2	.	7	6	89-423	
RAB 536	G6384xRAB49	RED MEXICAN	6	30	3	35	62	.	N	.	3	.	7	7	89-424	
RAB 537	RAB49xRAO29	ZAMORANO	6	23	2	34	55	.	N	.	3	7	7	7	91-297	
RAB 538	APN83x (RAB39xG17722)	ZAMORANO	6	28	2B	38	68	.	N	.	3	7	8	6	91-298	
RAB 539	APN84x (RAB42xG17722)	HONDURAS 46	6	23	2B	39	68	.	N	.	2	7	8	4	91-252	
RAB 540	APN84x (RAB42xG17722)	HONDURAS 46	6	21	2B	40	68	.	N	.	1	7	8	7	91-253	
RAB 541	APN84x (RAB42xG17722)	ZAMORANO	6	25	2B	41	68	.	N	.	3	7	7	4	91-299	
RAB 542	APN84x (RAB42xG17722)	ZAMORANO	6	27	2B	41	68	.	N	.	1	7	8	5	91-300	
RAB 543	APN84x (RAB42xG17722)	ZAMORANO	6	27	2B	38	68	.	N	.	2	7	8	7	91-301	
RAB 544	IN112x (G18249xRAB50)	ZAMORANO	6	28	3	34	57	.	N	.	8	7	7	7	91-177	
RAB 545	IN111x (IN111x (G18249xRAB50))	HONDURAS 46	6	21	2B	31	57	.	N	.	6	7	7	7	91-192	
RAB 546	IN115x (IN115x (G18249xRAB50))	ZAMORANO	6	20	2A	33	61	.	N	.	7	6	7	7	91-302	
RAB 547	IN116x (IN116x (IN116xMCD2004))	ZAMORANO	6	20	2B	33	63	.	N	.	6	8	8	8	91-303	
RAB 548	RAB325xRAB42	ZAMORANO	6	24	2A	41	68	.	N	.	7	7	8	6	91-304	
RAB 549	MCD2004xSEL839	ZAMORANO	6	24	2B	41	68	.	N	.	6	7	5	7	91-305	
RAB 550	MCD2004xSEL839	ZAMORANO	6	26	3	34	67	.	N	.	6	7	7	7	91-178	

Line	Cross	Cult. type	Seed			Days to					VEF	IB				
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
RAB 551	BAT41x (RAB203xG17722)	ZAMORANO	6	20	2B	38	70	.	N	.	7	6	8	6	91-306	
RAB 552	BAT41x (RAB203xG17722)	ZAMORANO	6	20	2B	42	72	.	N	.	7	6	8	7	91-307	
RAB 553	BAT41x (RAB203xG17722)	ZAMORANO	6	20	2B	39	68	.	N	.	7	7	7	7	91-308	
RAB 554	BAT1629xNAG20	ZAMORANO	6	27	2A	35	66	.	N	.	6	7	8	5	91-309	
RAB 555	BAT1629xNAG20	ZAMORANO	6	27	2A	35	68	.	N	.	6	7	7	4	91-179	
RAB 556	BAT1629xNAG20	ZAMORANO	6	28	2A	34	68	.	N	.	6	7	7	4	91-180	
RAB 557	SEL964x (PAI29xBAT41)	ZAMORANO	6	27	2A	31	57	.	N	.	7	7	8	7	91-181	
RAB 558	SEL964x (PAI29xBAT41)	ZAMORANO	6	20	2B	34	57	.	N	.	8	7	8	7	91-182	
RAB 559	SEL964x (PAI29xBAT41)	ZAMORANO	6	24	2B	34	59	.	N	.	7	7	7	6	91-183	
RAB 560	DOR41x (A114xG4017)	ZAMORANO	6	20	2B	34	70	.	N	.	6	7	7	5	92-611	
RAB 561	RAB47xMUS80	ZAMORANO	6	23	2A	35	69	.	N	.	6	7	7	4	92-612	
RAB 562	SEL978xMUS80	HONDURAS 46	6	23	2B	32	67	.	N	.	5	7	4	4	92-462	
RAB 563	SEL978xMUS80	ZAMORANO	6	22	2A	35	69	.	N	.	4	7	7	4	92-613	
RAB 564	MUS70xMUS80	ZAMORANO	6	19	2	34	68	.	N	.	7	7	7	4	92-614	
RAB 565	MUS70xMUS80	ZAMORANO	6	22	2	35	67	.	N	.	6	7	7	4	92-615	
RAB 566	MUS70xRAO27	ZAMORANO	6	20	2A	34	67	.	N	.	7	6	7	4	92-616	
RAB 567	MUS70xRAO27	ZAMORANO	6	19	2A	34	67	.	N	.	7	6	7	6	92-617	
RAB 568	MUS71xMUS80	ZAMORANO	6	21	2A	35	69	.	N	.	7	7	5	6	92-618	
RAB 569	MUS80xRAB377	HONDURAS 46	6	20	2A	35	66	.	N	.	6	6	6	6	92-458	
RAB 570	G18244xRAO27	ZAMORANO	6	25	2A	33	66	.	N	.	7	7	7	7	92-447	
RAB 571	RAO27xBAT1449	ZAMORANO	6	19	2A	35	67	.	N	.	7	8	3	5	92-619	
RAB 572	(MUS70xRAO27) x (SEL960x (RAO29x (...	ZAMORANO	6	23	2	35	67	.	N	.	2	7	5	7	92-620	
RAB 573	RAB58x (DOR164xIN199)	HONDURAS 46	6	26	2B	35	72	.	N-M	.	7	7	7	6	92-467	
RAB 574	RAB58x (DOR164xIN199)	ZAMORANO	6	20	2A	34	72	.	M	.	7	7	7	5	92-448	
RAB 575	RAB58x (RIZ36xRAB404)	ZAMORANO	6	24	2A	36	72	.	N	.	6	6	7	5	92-449	
RAB 576	RAB58x (RIZ36xRAB404)	ZAMORANO	6	26	2B	36	72	.	N	.	7	7	7	6	92-450	
RAB 577	RAB58x (RIZ36xRAB404)	ZAMORANO	6	23	2A	35	72	.	N	.	8	6	7	7	92-451	
RAB 578	SEL1061xRAB58	HONDURAS 46	6	24	2A	36	74	.	N	.	6	7	7	5	92-468	
RAB 579	SEL1061xRAB58	ZAMORANO	6	19	2	35	69	.	N	.	6	6	7	5	92-621	
RAB 580	RAB495xDOR164	ZAMORANO	6	23	2B	38	81	.	N	.	7	4	7	7	93-256	
RAB 581	RAB495xDOR164	ZAMORANO	6	28	2B	33	77	.	M	.	7	6	9	8	93-473	
RAB 582	RAB495xMOC61	ZAMORANO	6	23	2B	33	75	.	N	.	6	6	9	8	93-474	
RAB 583	RAB495xMOC61	ZAMORANO	6	26	3	33	77	.	N	.	7	7	9	8	93-475	
RAB 584	RAB495xMOC61	ZAMORANO	6	25	3	33	75	.	N	.	7	6	9	7	93-257	
RAB 585	RAB495xMOC61	ZAMORANO	6	26	3	33	77	.	N	.	7	6	8	7	93-476	
RAB 586	RAB495xMOC61	ZAMORANO	6	24	3	33	72	.	N	.	6	7	9	5	93-258	
RAB 587	RAB495xMOC61	ZAMORANO	6	25	3	33	74	.	N	.	1	7	8	4	93-259	
RAB 588	(MOC58xG12896) x (APN99xAPN83)	ZAMORANO	6	27	3	34	80	.	N	.	1	6	7	7	93-260	
RAB 589	(MOC58xG12896) x (APN99xAPN83)	HONDURAS 46	6	24	2B	37	77	.	N	.	4	7	7	7	93-318	
RAB 590	G17722xRAB502	ZAMORANO	6	29	2B	34	77	.	N	.	8	6	8	8	93-261	
RAB 591	G17722xRAB502	ZAMORANO	6	29	2B	35	80	.	N	.	8	6	7	8	93-262	
RAB 592	G17722xRAB502	ZAMORANO	6	31	2B	38	80	.	N	.	8	6	7	8	93-263	
RAB 593	G17722xRAB502	ZAMORANO	6	30	2B	32	77	.	N	.	8	7	8	8	93-264	
RAB 594	G17722xRAB502	ZAMORANO	6	30	2B	38	77	.	N	.	8	7	7	8	93-265	
RAB 595	IN266xSEL1316	HONDURAS 46	6	24	3	32	68	.	M	.	8	7	7	7	93-319	
RAB 596	IN266xSEL1316	ZAMORANO	6	21	3	32	68	.	N	.	1	7	4	4	93-477	
RAB 597	IN266xSEL1318	ZAMORANO	6	21	3	32	68	.	N	.	1	8	3	4	93-478	
RAB 598	MCD2004x (MCD2004x (MCD2004xRAB205))	ZAMORANO	6	22	3	32	68	.	M-N	.	1	8	5	4	93-479	
RAB 599	MCD2004x (MCD2004x (MCD2004xRAB205))	ZAMORANO	6	26	3	31	68	.	N	.	7	8	8	4	93-266	
RAB 602	G17722xRAB502	ZAMORANO	6	21	2B	33	77	.	N	.	2	6	8	4	93-480	
RAD 1	G11821xG12488	RADICAL	6	52	4	71	157	.	M	.	1	7	4	2	87-635	
RAD 2	G11821xG12488	RADICAL	6	56	4	72	157	.	M	.	3	7	4	2	87-636	
RAD 3	G11821xG12488	RADICAL	6	44	4	67	152	.	M	.	2	7	3	2	87-637	
RAD 4	G8169x (G7128xV79018)	RADICAL	6	51	4B	55	118	6	M	9	5	7	8	7	87-638	
RAD 5	G12670xBAT1276	DARK RED KIDNEY	6	58	4A	62	124	8	M	9	2	7	6	3	87-639	
RAD 6	G12670xBAT1276	RADICAL	6	56	4B	75	142	8	M	9	4	6	5	3	87-640	

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
RAD 7	G12670xV79018	RADICAL	6	58	4A	58	125	8	M-N	9	2	7	8	6	87-641	
RAD 8	G4727x(G8169xV79020)	RADICAL	6	56	4A	74	142	8	M	9	2	6	6	3	87-642	
RAD 9	G11819x(G11819xV79020)	RADICAL	6	49	4B	73	142	8	M	9	1	6	5	5	87-643	
RAD 10	G11819x(G11819xV79020)	RADICAL	6	58	4B	64	120	8	M	9	1	6	6	3	87-644	
RAD 11	(G4727xG7908)x(G7908xV79119)	RADICAL	6	62	4B	61	129	8	M-N	9	2	6	6	3	87-645	
RAD 12	G7318xVRA81078	RADICAL	6	42	4A	56	119	8	M	9	2	5	8	5	87-646	
RAD 13	G12670xBAT1276	RADICAL	6	55	4B	74	139	8	M	9	5	6	6	4	87-647	
RAD 14	G12670xV79018	RADICAL	6	54	4A	61	119	8	M-N	9	2	7	8	3	87-648	
RAD 15	G11819x(G11819xV80045)	RADICAL	6	49	4A	69	128	8	M	9	2	7	6	3	87-649	
RAD 16	G12531xBAT1274	DARK RED KIDNEY	6	52	4A	65	124	8	M	9	2	7	5	3	87-650	
RAD 17	G11821xG12488	RADICAL	6	44	4A	35	106	.	M	8	2	6	7	4	88-1105	
RAD 18	G11821xG12488	RADICAL	6	40	4A	45	.	8	M	8	4	5	7	2	88-1106	
RAD 19	G11820xG12273	RADICAL	6	.	4A	45	.	.	M	9	3	6	6	3	88-1107	
RAD 20	G11820xG12273	RADICAL	6	.	4A	45	.	.	M	9	1	7	7	2	88-1108	
RAD 21	G12443xG12325	RADICAL	6	.	4A	45	.	.	M	9	5	6	7	3	88-1109	
RAD 22	G11821xG12488	DUVA	7	52	4A	38	116	.	M	9	4	5	5	2	88-1233	
RAD 23	DESCONOCIDO	RADICAL	6	39	4A	45	116	.	M	8	3	6	7	4	88-1110	
RAD 24	DESCONOCIDO	SANGRETORO	6	.	4A	45	.	.	M	9	1	7	6	3	88-1152	
RAD 25	DESCONOCIDO	DUVA	7	.	4A	45	.	.	M	9	4	6	4	2	88-1234	
RAD 26	DESCONOCIDO	ARGENTINO	7	48	4B	45	.	.	M	9	2	5	6	3	88-1201	
RAD 27	G11821xG12488	RADICAL	6	49	4B	45	116	.	M	8	2	6	7	3	88-1111	
RAD 28	G11821xG12488	RADICAL	6	39	4B	38	116	.	M	8	.	7	7	4	88-1112	
RAD 29	G11821xG12488	RADICAL	6	46	4A	35	116	.	M	9	1	7	7	2	88-1113	
RAD 30	G11821xG12488	ARGENTINO	7	32	4A	45	116	.	M	9	5	6	7	3	88-1202	
RAD 31	G8171xV7917	ARGENTINO	7	39	4A	45	.	.	M	9	5	6	7	4	88-1203	
RAD 32	G11821xG12488	ARGENTINO	7	44	4A	45	116	.	M	9	3	5	7	3	88-1204	
RAD 33	G11821xG12488	ARGENTINO	7	49	4B	45	.	6	M	9	2	7	7	3	88-1205	
RAD 34	DESCONOCIDO	SANGRETORO	6	44	1	33	74	.	N	9	8	6	6	5	88-765	
RAD 35	G12670xG12666	ZAMORANO	6	54	.	81	.	.	M	.	1	.	6	3	89-905	
RAD 36	VRA81054xG12275	RADICAL	6	38	.	86	.	.	M	.	1	.	7	3	89-897	
RAD 37	A322xG12275	BOLA ROJA	6	54	.	81	.	.	M	.	1	.	7	3	89-881	
RAD 38	VRA81054xG12275	BOLA ROJA	6	43	.	88	.	.	M	.	1	.	7	4	89-882	
RAD 39	DRK5xRAD6	RADICAL	6	.	.	68	106	.	M	.	1	5	5	2	93-816	
RAD 40	DRK5xRAD9	RADICAL	6	.	.	69	108	.	M	.	1	5	6	2	93-817	
RAD 41	LAS210xCAL10	RADICAL	6	.	.	56	101	.	M	.	1	6	7	4	93-818	
RAD 42	LAS210xCAL10	RADICAL	6	.	.	65	114	.	M	.	1	6	3	3	93-819	
RAD 43	LAS210xCAL10	RADICAL	6	.	.	59	113	.	M	.	1	7	6	3	93-820	
RAD 44	LAS220xSAN10	RADICAL	6	.	.	64	106	.	M	.	1	6	6	3	93-821	
RAD 45	RAD14xAND649	RADICAL	6	.	.	55	96	.	N-M	.	1	7	7	3	93-822	
RAD 46	WAF75xRAD6	RADICAL	6	.	.	59	100	.	M	.	1	5	7	2	93-823	
RAD 47	RAD5xAND566	SANGRETORO	6	.	.	54	100	.	M	.	1	7	7	3	93-838	
RAD 48	LAS210xAND485	RADICAL	6	.	.	59	113	.	M	.	1	6	8	4	93-824	
RAD 49	LAS220xCAL10	RADICAL	6	.	.	69	117	.	M-N	.	1	5	7	4	93-825	
RAD 50	LAS220xCAL10	RADICAL	6	.	.	54	103	.	M	.	1	6	7	4	93-826	
RAD 51	AND477xAND566	RADICAL	6	.	.	59	104	.	M	.	1	6	8	4	93-814	
RAD 52	AND477xAND566	RADICAL	6	.	.	54	106	.	M	.	1	6	7	5	93-815	
RAO 1	G4837xBAT724		6	19	2B	37	70	4	N	9	7	9	6	3	83-X	
RAO 2	G4837xBAT724		6	19	2B	42	74	4	N	9	7	8	6	5	83-X	
RAO 3	G4837xG4525		4	21	2B	42	74	2	N	9	8	8	5	3	83-X	
RAO 4	BAT789xBAT1155		6	18	2B	42	74	2	N	9	7	8	5	5	83-238	85
RAO 5	BAT896xBAT1230		6	27	2B	38	70	.	N	9	4	9	6	5	83-242	
RAO 6	BAT1102xBAT1230		6	22	3A	35	70	.	N	9	4	8	5	5	83-293	
RAO 7	BAT1102xBAT1230		6	16	2B	45	76	.	N	9	6	7	6	3	83-247	
RAO 8	BAT1155xBAT1230		6	21	2B	42	74	.	N	9	7	8	4	5	83-251	
RAO 9	G4837xBAT1230		6	21	3B	40	74	.	N	9	2	8	7	5	83-309	
RAO 10	BAT1225xA40		6	20	2B	41	74	.	N	9	7	7	5	5	83-244	

Line	Cross	Cult. type	Seed			Days to							VEF Yr	IB YAN		
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB			ALS	Rust
RAO 11	BAT1225xA40		6	20	2B	43	76	3	N	9	7	7	6	5	83-241	85
RAO 12	BAT1225xA40	MEXICO 80	6	23	2B	45	79	.	N	9	8	8	7	7	83-135	
RAO 13	BAT1225xBAT76		6	27	2B	39	74	.	N	9	6	8	3	5	83-253	
RAO 14	BAT1225xBAT740		6	27	2B	37	72	1	N	9	6	8	5	3	83-239	85
RAO 15	BAT1225xBAT1136		6	22	3A	39	74	3	N	9	3	7	5	3	83-294	85
RAO 16	BAT1225xBAT1136		6	23	2A	40	76	1	N	9	5	8	6	1	83-147	85
RAO 17	BAT1225xBAT1136		6	27	2B	41	77	3	N	9	6	8	6	1	83-246	85
RAO 18	BAT1225xBAT1155		6	25	2B	36	72	.	N	9	8	8	5	7	83-245	
RAO 19	BAT1230xA40		6	24	2B	43	72	.	N	9	6	8	5	5	83-248	
RAO 20	BAT44xBAT1230		6	23	3B	42	76	3	N	9	1	8	6	3	83-310	85
RAO 21	BAT881x(BAT47xBAT1155)		6	20	2A	41	74	1	N	9	6	8	3	7	83-143	85
RAO 22	BAT1155xBAT1296		6	22	2B	41	72	1	N	9	7	7	5	5	83-250	85
RAO 23	BAT1288xBAT1296		6	26	2A	36	74	.	N	9	6	7	3	3	83-146	
RAO 24	BAT1102xBAT1230	MEXICO 80	6	21	2	48	84	.	N	7	6	8	8	7	84-136	
RAO 25	G4837xBAT1230	MEXICO 80	6	26	2	42	73	.	N	7	6	9	7	7	84-137	
RAO 26	BAT1225xBAT896		6	.	.	.	.	.	N	.	.	.	.	.	.	.
RAO 27	BAT1230xBAT1138	MEXICO 80	6	24	2	44	75	.	N	6	7	9	6	5	84-138	
RAO 28	DOR6xBAT41		6	.	.	.	.	.	N	.	.	.	.	.	.	.
RAO 29	G4837xBAT202	MEXICO 80	6	20	2	41	73	1	M	8	8	8	7	9	84-139	
RAO 30	BAT1225xBAT1155	MEXICO 80	6	23	2A	44	73	1	N	7	9	9	6	7	84-140	86
RAO 31	G4837xBAT1230	MEXICO 80	6	31	3	43	73	.	N	7	7	9	7	7	84-141	
RAO 32	G4837xBAT1230	MEXICO 80	6	32	3	43	73	1	N	7	6	9	7	7	84-142	86
RAO 33	BAT1225xBAT1136	MEXICO 80	6	28	3	46	80	2	N	7	7	8	5	5	84-143	86
RAO 34	BAT1225xBAT1337	MEXICO 80	6	24	3	47	85	3	N	7	9	7	5	5	84-144	86
RAO 35	BAT1252xBAT1225	MEXICO 80	6	27	3	41	76	1	N	7	6	9	7	7	84-145	86
RAO 36	BAT1252xBAT1225	MEXICO 80	6	25	3	43	76	.	N	7	7	9	6	7	84-146	
RAO 37	BAT1252xBAT1225	MEXICO 80	6	25	3	44	76	.	N	7	7	8	6	7	84-147	
RAO 38	BAT1252xBAT1232	MEXICO 80	6	25	3	41	76	.	N	7	4	8	7	5	84-148	
RAO 39	G4837xBAT1235	MEXICO 80	6	24	3	42	73	.	N	7	5	9	7	7	84-149	
RAO 40	BAT1225xBAT522	MEXICO 80	6	21	2	43	73	.	N	7	6	8	4	7	85-1382	
RAO 41	BAT1514x(XAN90xBAT1155)	HONDURAS 46	6	17	2	29	68	.	N	5	4	7	4	5	85-1383	
RAO 42	BAT1516x(RAB39xBAT41)	MEXICO 80	6	17	2	41	73	.	N	6	6	9	4	5	85-1384	
RAO 43	G4837xRAO3	MEXICO 80	6	20	2	36	64	.	N	6	6	9	4	5	85-1385	
RAO 44	G4837xSEL271	MEXICO 80	6	26	2	36	68	.	N	5	5	9	3	5	85-1386	
RAO 45	G4837xSEL271	MEXICO 80	6	24	2	36	64	.	M-N	6	6	7	3	7	85-1387	
RAO 46	G4837xSEL271	MEXICO 80	6	19	2A	39	64	.	N	9	7	7	7	7	86-239	
RAO 47	BAT1252xBAT1225	MEXICO 80	6	25	3	31	57	.	N	9	5	7	7	7	86-240	
RAO 48	G4837xBAT1621	MEXICO 80	6	22	2B	40	67	.	N-M	9	5	8	6	7	86-241	
RAO 49	BAT1235x(RAO3xG18244)	MEXICO 80	6	30	2B	38	66	.	N	9	7	7	6	7	86-242	
RAO 50	G4837xSEL271	MEXICO 80	6	26	3	39	70	.	N	9	7	7	6	7	86-243	
RAO 51	BAT1105xBAT1276		6	.	.	.	.	.	N	.	.	.	.	.	.	.
RAO 52	RAB166xBAT1630	MEXICO 80	6	25	2B	33	72	3	N	8	8	7	7	7	88-580	
RAO 53	RAO29x(RAO3xBAT1235)	MEXICO 80	6	19	2B	38	70	1	N	9	6	7	7	7	88-581	
RAO 54	G14027xBAT1297	MEXICO 80	6	23	3	33	76	.	N	8	8	6	3	3	88-582	
RAO 55	G3719xRAO3	MEXICO 80	6	21	2B	37	70	.	N	8	6	7	7	5	88-583	
RAO 56	RAO29x(RAO29xRAB204)	MEXICO 80	6	21	2B	34	62	.	N	.	7	.	7	7	89-347	
RAO 57	RAO27xRAB255	MEXICO 80	6	23	2A	38	62	.	N	.	7	.	7	6	89-348	
RAO 58	IN172xA283	MEXICO 80	6	24	2B	38	59	.	N	.	7	7	7	6	91-241	
RAO 59	DOR364x(G3017xRAB49)	MEXICO 80	6	22	2A	38	68	.	N	.	7	7	7	6	91-242	
RAO 60	SEL954xA750	MEXICO 80	6	26	3	40	70	.	N	.	5	6	7	6	91-243	
RAO 61	SEL954xA750	MEXICO 80	6	24	3	34	66	.	N	.	2	7	5	4	91-244	
RAO 62	SEL954xA750	MEXICO 80	6	27	3	38	66	.	N	.	1	7	6	7	91-245	
RAO 63	SEL956xSEL961	MEXICO 80	6	20	2B	40	66	.	N	.	7	7	6	7	91-246	
RAO 64	SEL949xA682	HUETAR	6	25	2B	41	71	.	N	.	7	7	7	7	91-195	
RAO 65	SEL949xDOR370	MEXICO 80	6	27	2B	42	71	.	N	.	8	7	6	7	91-247	
RAO 66	SEL949xDOR364	ZAMORANO	6	24	2B	41	72	.	N	.	5	7	7	5	91-310	

Line	Cross	Cult. type	Seed			Days to								VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
RAO	67	SEL949xDOR364	ZAMORANO	6	24	2B	41	71	.	N	.	6	7	7	6	91-311	
RAO	68	SEL948xSEL961	MEXICO 80	6	24	2B	40	67	.	N	.	8	7	7	7	91-248	
RAO	69	SEL948xMUS55	HUETAR	6	24	2B	39	71	.	N	.	7	7	7	7	91-196	
RAO	70	SEL948xMUS55	HUETAR	6	24	2B	39	68	.	N	.	6	7	8	6	91-197	
RAO	71	SEL948xMUS55	HUETAR	6	20	2B	41	69	.	N	.	7	7	8	6	91-198	
RAO	72	SEL948xMUS55	HUETAR	6	22	2B	38	64	.	N	.	5	7	8	7	91-199	
RAO	73	SEL956xSEL961	HUETAR	6	23	3	41	73	.	N	.	8	6	7	6	91-200	
RAO	74	(MUS70xRAO27)x(SEL960x(RAO29x(...	ZAMORANO	6	20	2	35	67	.	N	.	1	7	3	6	92-622	
RAO	75	(MUS70xRAO27)x(SEL960x(RAO29x(...	ZAMORANO	6	21	2A	35	67	.	N	.	4	7	2	7	92-623	
RAO	76	SEL949xDOR364	MEXICO 80	6	25	2B	37	80	.	N	.	6	5	6	6	93-399	
RAZ	1	PVA1025xWI-85-5	SMALL WHITE	1	20	1	35	77	8	N	.	2	7	7	7	90-13	
RAZ	2	(EMP175x859446-67)x(859446-67xXAN105)	SMALL WHITE	1	17	2/3	32	68	.	N	.	8	7	8	8	90-16	
RAZ	3	(859446-67x859446-67)x(859446-67xXAN105)	BICO DE OURO	2	26	3	34	75	.	M	.	8	8	7	8	90-65	
RAZ	4	859446-67xG76	BICO DE OURO	2	30	3	33	77	.	N	.	8	6	7	7	93-81	
RAZ	4-1	859446-67xG76	BAYO MEXICANO	2	32	2B	33	72	.	N	.	6	6	5	7	92-178	
RAZ	4-2	859446-67xG76	BICO DE OURO	2	35	3	31	72	.	N-L	.	8	7	7	7	90-66	
RAZ	4-3	859446-67xG76	BICO DE OURO	2	31	3	33	79	.	N	.	8	7	7	7	93-82	
RAZ	4-4	859446-67xG76	BAYO MEXICANO	2	28	2B	34	74	.	N	.	7	6	6	7	92-179	
RAZ	4-5	859446-67xG76	ROSHHA	5	29	2B	32	68	.	N	.	8	7	7	4	90-195	
RAZ	4-7	859446-67xG76	BAYO MEXICANO	2	34	2B	34	80	.	N	.	7	6	4	3	92-180	
RAZ	5	859446-67xXAN105	PINTO	2P	24	3	33	70	.	N	.	7	6	7	7	93-155	
RAZ	5-1	859446-67xXAN105	PINTO	2P	31	3	30	64	.	N	.	5	8	7	8	90-142	
RAZ	6	(859446-67x859446-67)x(859446-67xXAN105)	BICO DE OURO	2	28	3	31	71	.	M	.	8	7	7	8	90-67	
RAZ	7	PVA1025xWI-85-5	SMALL WHITE	1	23	1	31	74	.	M	.	1	8	7	4	92-158	
RAZ	8	(EMP175x859446-67)x(859446-67xXAN105)	NAVY	1	22	3	35	73	.	M-N	.	8	7	8	8	90-5	
RAZ	9	859446-67xG76	ROSHHA	5	30	3	33	75	.	N	.	7	6	5	3	92-374	
RAZ	9-1	859446-67xG76	BAYO MEXICANO	2	38	2B	33	80	.	N	.	7	7	5	6	92-181	
RAZ	9-4	859446-67xG76	DARK RED KIDNEY	5	24	3	35	75	.	N	.	7	7	7	5	90-196	
RAZ	10	859446-71xBAT1297	FLOR DE MAYO	5	18	2/3	30	66	.	N	.	8	7	7	8	90-190	
RAZ	11	(EMP175x859446-67)x(859446-67xXAN105)	SMALL WHITE	1	22	2B	34	66	.	M-N	.	7	8	7	7	92-159	
RAZ	11-1	(EMP175x859446-67)x(859446-67xXAN105)	SMALL WHITE	1	23	2B	35	66	.	N	.	8	7	7	8	90-14	
RAZ	12	859446-67xG76	HONDURAS 46	6	23	2B	33	67	.	L-N	.	5	7	7	4	92-459	
RAZ	12-1	859446-67xG76	HONDURAS 46	6	23	2B	34	67	.	N	.	6	7	5	4	92-460	
RAZ	12-2	859446-67xG76	HONDURAS 46	6	23	2B	34	67	.	N	.	6	7	5	4	92-461	
RAZ	12-4	859446-67xG76	ZAMORANO	6	27	2B	35	73	.	N	.	8	7	8	7	90-403	
RAZ	13	859446-67xBAT1297	PINTO	2P	27	2B	34	70	.	M	.	8	7	5	8	92-255	
RAZ	13-1	859446-67xBAT1297	BAT 1297	4	24	2B	34	65	.	M	.	8	7	3	8	92-357	
RAZ	13-2	859446-67xBAT1297	BAT 1297	4	24	2B	34	65	.	M	.	8	7	3	8	92-358	
RAZ	13-3	859446-67xBAT1297	PINTO	2P	25	2B	34	72	.	M	.	8	7	6	8	92-257	
RAZ	13-4	859446-67xBAT1297	BAT 1297	6P	26	2B	34	66	.	M	.	8	7	4	8	92-384	
RAZ	13-5	859446-67xBAT1297	BAT 1297	6P	26	2B	34	66	.	M	.	8	7	4	7	92-385	
RAZ	13-6	859446-67xBAT1297	BAT 1297	6P	25	2B	35	66	.	M	.	8	8	3	7	92-386	
RAZ	14	859446-67xXAN105	BICO DE OURO	2	32	3	32	72	7	N	.	7	7	7	8	90-63	
RAZ	15	(EMP175x859446-67)x(859446-67xXAN105)	SMALL WHITE	1	19	2B	34	67	.	N	.	8	7	7	6	92-160	
RAZ	15-1	(EMP175x859446-67)x(859446-67xXAN105)	NEGRO	8	20	2B	35	64	.	N	.	3	7	5	5	92-754	
RAZ	15-2	(EMP175x859446-67)x(859446-67xXAN105)	NEGRO OPACO	8	22	2B	35	64	.	N	.	7	7	7	7	90-513	
RAZ	15-3	(EMP175x859446-67)x(859446-67xXAN105)	NEGRO	8	20	2B	34	63	.	N	.	2	7	5	5	92-755	
RAZ	16	859446-67xXAN105	PINTO	2P	20	2	33	67	.	N-M	.	8	5	9	7	90-137	
RAZ	17	(859446-67x859446-67)x(859446-67xXAN105)	PINTO	2	24	3	32	70	.	M	.	8	7	5	8	92-244	
RAZ	17-1	(859446-67x859446-67)x(859446-67xXAN105)	BICO DE OURO	2	24	3	32	73	.	M	.	8	7	6	8	92-187	
RAZ	17-10	(859446-67x859446-67)x(859446-67xXAN105)	BICO DE OURO	2	24	3	32	72	4	M	.	8	7	7	7	92-185	
RAZ	17-2	(859446-67x859446-67)x(859446-67xXAN105)	PINTO	2P	23	3	33	70	.	M	.	8	7	8	7	93-156	
RAZ	17-3	(859446-67x859446-67)x(859446-67xXAN105)	BICO DE OURO	2	22	3	33	75	.	M	.	8	7	6	8	92-184	
RAZ	17-4	(859446-67x859446-67)x(859446-67xXAN105)	PINTO	2P	16	2B	33	71	.	M	.	8	5	7	8	90-138	
RAZ	17-5	(859446-67x859446-67)x(859446-67xXAN105)	PINTO	2P	22	2B	33	71	.	M-N	.	8	7	6	7	92-258	
RAZ	17-6	(859446-67x859446-67)x(859446-67xXAN105)	BICO DE OURO	2	23	3	33	66	.	M	.	8	7	6	7	93-83	

Line	Cross	Cult. type	Seed			Days to							VEF	IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
RAZ	17-7	(859446-67x859446-67)x(859446-67xXAN105)	PINTO	2P	23	3	34	70	.	M-N	.	8	7	6	7	93-157	
RAZ	17-9	(859446-67x859446-67)x(859446-67xXAN105)	BICO DE OURO	2	27	3	30	66	.	M	.	8	7	6	8	92-186	
RAZ	18	(EMP175x859446-67)x(859446-67xXAN105)	PINTO	2P	19	2	31	66	3	N	.	6	6	7	5	90-139	
RAZ	18-1	(EMP175x859446-67)x(859446-67xXAN105)	SMALL WHITE	1	19	2B	34	67	.	N	.	6	8	7	6	92-169	
RAZ	19	(EMP175x859446-67)x(859446-67xXAN105)	SMALL WHITE	1	19	3	35	66	.	N-M	.	8	7	7	7	90-15	
RAZ	20	(859446-67x859446-67)x(859446-67xXAN105)	BICO DE OURO	2	15	3B	31	63	.	M	.	8	8	7	8	90-64	
RAZ	20-1	(859446-67x859446-67)x(859446-67xXAN105)	PINTO	2P	26	2B	30	69	.	M-N	.	8	7	5	7	92-259	
RAZ	20-2	(859446-67x859446-67)x(859446-67xXAN105)	PINTO	2P	27	2B	31	66	.	M	.	8	8	7	8	90-140	
RAZ	21	(859446-67x859446-67)x(859446-67xXAN105)	BICO DE OURO	2	17	3	54	104	.	M	.	8	7	7	7	90-602	
RAZ	22	PVA1025xWI-85-5	NAVY	1	22	1	35	72	2	N	.	1	7	7	7	90-4	
RAZ	23	PVA1025xWI-85-5	OJO DE CABRA	2R	23	1	33	74	.	M	.	6	7	8	7	93-149	
RAZ	24	(LINEA24x859446-67)x(859446-67xG76)	FRIJOLICA P11	6M	36	1	31	69	.	N	.	1	6	7	4	92-482	
RAZ	24-1	(LINEA24x859446-67)x(859446-67xG76)	FRIJOLICA P11	6M	35	1	30	68	.	N	.	1	5	6	3	92-483	
RAZ	24-2	(LINEA24x859446-67)x(859446-67xG76)	PIRIRITA	2R	36	1	32	71	.	N	.	1	5	6	4	92-263	
RAZ	24-3	(LINEA24x859446-67)x(859446-67xG76)	FRIJOLICA P11	6M	31	1	31	67	.	N	.	1	6	6	3	92-484	
RAZ	24-4	(LINEA24x859446-67)x(859446-67xG76)	FRIJOLICA P11	6M	34	1	30	68	.	N	.	1	6	6	4	92-485	
RAZ	24-5	(LINEA24x859446-67)x(859446-67xG76)	FRIJOLICA P11	6M	34	1	33	69	.	N	.	5	6	7	7	90-305	
RAZ	24-6	(LINEA24x859446-67)x(859446-67xG76)	GUALI	7M	37	1	30	69	.	N	.	1	6	7	4	92-638	
RAZ	24-7	(LINEA24x859446-67)x(859446-67xG76)	PIRIRITA	2R	36	1	31	69	.	N	.	1	6	6	4	92-264	
RAZ	25	859446-67xBAT1297	BAT 1297	6P	24	2B	35	70	.	N	.	7	7	6	6	92-383	
RAZ	25-1	859446-67xBAT1297	BAT 1297	6P	21	2A	36	69	.	N	.	6	8	7	6	92-387	
RAZ	25-2	859446-67xBAT1297	BAT 1297	6M	22	2B	34	66	.	N	.	7	7	5	7	92-487	
RAZ	25-3	859446-67xBAT1297	BAT 1297	6M	27	2B	34	70	.	N-M	.	6	8	6	6	92-488	
RAZ	25-8	859446-67xBAT1297	BAT 1297	6M	25	3B	34	74	.	M	.	8	7	8	8	90-312	
RAZ	26	(WAF3xWAF3)x(WAF3xWI-85-5)	ALUBIA	1	35	1	34	77	.	A	.	5	6	7	4	93-4	
RAZ	27	(859446-67x(859446-67x(859446-67xXAN105)))	PINTO	2P	34	3	30	67	.	M-N	.	8	8	5	8	92-256	
RAZ	28	(859446-67x(859446-67x(859446-67xXAN105)))	PINTO	2P	36	3	30	64	.	M	.	8	8	7	8	90-141	
RAZ	29	859446-67x(859446-67xG76)	PINTO	5J	31	3B	31	69	.	M	.	8	7	7	8	90-193	
RAZ	30	859446-67xBAT1297	BAT 1297	6M	26	3	36	73	1	N	.	8	7	7	8	90-217	
RAZ	31	859446-67x(859446-67xG76)	PINTO	2P	28	3	33	70	.	M	.	8	8	4	8	93-158	
RAZ	32	(859446-67x(859446-67x(859446-67xG76)))	BAYO MEXICANO	2	30	3	29	72	.	M	.	8	8	5	8	92-177	
RAZ	33	(AFR97x(AFR97x(AFR97x859445-20)))	BICO DE OURO	2	24	2A	33	67	.	M	.	1	7	6	5	92-183	
RAZ	34	(EX-RICO23x(EX-RICO23x(EX-RICO23xG12882A1)))	NAVY	1	15	2B	34	72	.	N	.	5	7	4	5	92-97	
RAZ	35	(BLM9xBLM9)x(BLM9xWI-85-5)	SMALL WHITE	1	17	2B	35	67	.	N-M	.	4	7	7	4	92-161	
RAZ	36	(EX-RICO23x(EX-RICO23x(EX-RICO23xG12882A1)))	NAVY	1	16	2B	34	72	.	N	.	6	6	5	7	92-98	
RAZ	37	(BLM9x(BLM9x(BLM9xWI-85-5)))	SMALL WHITE	1	21	2B	35	69	.	N	.	5	7	6	4	92-162	
RAZ	38	(EX-RICO23x(EX-RICO23x(EX-RICO23xG12882A1)))	NAVY	1	16	2B	33	71	.	N	.	7	7	7	6	92-99	
RAZ	39	(BLM9x(BLM9x(BLM9xWI-85-5)))	SMALL WHITE	1	20	2B	34	67	.	N	.	6	7	7	4	92-163	
RAZ	40	(BLM9x(BLM9x(BLM9xWI-85-5)))	SMALL WHITE	1	22	2A	34	69	.	N	.	5	7	7	5	92-164	
RAZ	41	(BLM9x(BLM9x(BLM9xWI-85-5)))	SMALL WHITE	1	19	2B	38	72	.	N	.	6	7	7	4	92-165	
RAZ	42	(EX-RICO23x(EX-RICO23x(EX-RICO23xG12882A1)))	NAVY	1	16	2B	33	69	.	N	.	5	7	5	6	92-100	
RAZ	43	(MITAL-226-10xMITAL-226-10)x(MITAL-226-10xG)	NAVY	1	17	2B	34	80	.	N	.	2	6	5	4	93-33	
RAZ	44	(EX-RICO23x(EX-RICO23x(EX-RICO23xG12882A1)))	NAVY	1	15	2B	33	72	.	N	.	6	7	7	7	92-101	
RAZ	45	(WAF3x(WAF3x(WAF3xWI-85-5)))	SMALL WHITE	1	23	1	32	66	.	N	.	1	6	7	3	92-166	
RAZ	46	(BLM9x(BLM9x(BLM9xWI-85-5)))	SMALL WHITE	1	20	2B	38	72	.	N	.	4	7	4	4	92-167	
RAZ	48	(BLM9x(BLM9x(BLM9xWI-85-5)))	SMALL WHITE	1	20	2A	38	72	.	N	.	5	7	7	4	92-168	
RAZ	49	(AFR97x(AFR97x(AFR97x859445-20)))	NEGRO OPACO	8	20	2B	36	77	.	N	.	1	6	7	5	93-520	
RAZ	50	(AFR97x(AFR97x(AFR97x859445-20)))	NEGRO	8	18	2B	36	73	.	N	.	1	7	7	5	92-751	
RAZ	51	(NAG146x(NAG146x(NAG146xWI-85-3)))	NEGRO	8	20	2A	33	69	.	N	.	1	6	7	4	92-752	
RAZ	52	(NAG146x(NAG146x(NAG146xWI-85-3)))	NEGRO	8	19	2B	37	73	.	N	.	1	5	7	4	92-753	
RAZ	53	(AFR97x(AFR97x(AFR97x859445-20)))	NEGRO SEMIBRILLA	8	21	2B	36	82	.	N	.	4	6	7	4	93-521	
RAZ	54	(AFR97x(AFR97x(AFR97x859445-20)))	ZAMORANO	6	20	3	38	83	.	N	.	1	6	8	5	93-242	
RAZ	55	(AFR97x(AFR97x(AFR97x859445-20)))	NEGRO SEMIBRILLA	8	18	2B	37	77	.	N	.	1	6	8	4	93-522	
RAZ	56	(AFR97x(AFR97x(AFR97x859445-20)))	NEGRO SEMIBRILLA	8	18	2B	37	79	.	N	.	1	7	8	4	93-523	
RAZ	57	(NAG146x(NAG146x(NAG146x859445-20)))	NEGRO OPACO	8	20	2B	34	75	.	N	.	6	5	8	4	93-524	
RAZ	58	(NAG146x(NAG146x(NAG146xWI-85-3)))	NEGRO OPACO	8	19	2B	36	75	.	N	.	4	6	8	5	93-525	

Line	Cross	Cult. type	Seed			Days to					VEF		IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB		ALS	Rust	Yr	Ent	YAN
RAZ	59	(AFR97x(AFR97x(AFR97x859445-20)))	8	18	2B	36	75	.	N	.	1	5	7	4	93-526	
RAZ	60	(AFR97x(AFR97x(AFR97x859445-20)))	6	20	3	36	81	.	N	.	1	5	7	3	93-243	
RAZ	61	(AFR97x(AFR97x(AFR97x859445-20)))	6	19	2B	35	72	.	N	.	1	6	8	4	93-395	
RAZ	62	(AFR97x(AFR97x(AFR97x859445-20)))	6	19	3	34	72	.	N	.	2	6	7	3	93-396	
REC	1	G21720xA487	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	2	(G8108xS24952)x(TMO123xG4450)	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	3	(G8108xG24215)x(S24974xG4450)	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	4	G21715xG76	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	5	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	6	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	7	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	8	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	9	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	10	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	11	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	12	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	13	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	14	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	15	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	16	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	17	(G8108xG22454)x(G8108xA485)	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	18	ICA15438xKAN42	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	19	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	20	KABANYOLOxKAN42	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	21	G21720xA191	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	22	S25066xA206	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	23	G24212xBAT1387	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	24	G24212xBAT1387	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	25	G24212xBAT1387	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	26	A189xBAT1274	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	27	S24990xBAT336	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	28	G24217xG13922	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	29	G24217xG13922	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	30	G13400xBAT1210	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	31	G24217xG13922	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	32	ICA15438xA129	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	33	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	34	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	35	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	36	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	37	G10419xG11269	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	38	(G8108xG22454)x(G8108xBAT1641)	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	39	(KABANYOLOxG24216)x(G8108xBAT1641)	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	40	G4826xNY76-2812-15	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	41	G4826xNY76-2812-15	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	42	G10357xA252	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	43	G5167xG76	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	44	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	45	ICA15438xVRA81003	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	46	G6515xBAT1251	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	47	G10357xA191	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	48	G10357xA191	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	49	G2331xV79018	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	50	GWEBIMIXTURExA193	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	51	G4026xA117	.	.	.	.	.	.	N	.	.	.	.	.	.	.
REC	52	G4026xA117	.	.	.	.	.	.	N	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed		Days to				Emp	Ant	CBE	ALS	Rust	Yr	VEF	IB
			col.	Wt	Fl	Mt	Fot	BCMV							Ent	YAN
REC 53	PVA1044xG4450		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 54	PVA1044xG4450		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 55	PVA1044xG4450		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 56	G5167xG76		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 57	G21717xG11270		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 58	G21717xG11270		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 59	G21717xG11270		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 60	G4826xNY76-2812-15		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 61	G10357xA252		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 62	G515xXAN43		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 63	G515xXAN43		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 64	G10357xA191		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 65	G10357xA191		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 66	G10357xA191		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 67	G10357xA191		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 68	G10357xA191		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 69	G10357xA191		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 70	G10357xA189		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 71	BAT1769xG11254		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 72	ICA15423xG4450		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 73	KABANYOLOxG24216		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 74	KABANYOLOxG24216		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 75	G13400xBAT1210		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 76	G11300xA487		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 77	G11300xA487		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 78	G11300xA487		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 79	G11300xA487		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 80	G11300xA487		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 81	G13338xBAT1387		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 82	G5167xBAT1387		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 83	G21720xA117		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 84	G5167xBAT1387		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 85	G13338xBAT1387		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 86	MASAIREDxPVA1197		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 87	G21720xA117		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 88	G515xBAT1387		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 89	MASAIREDxPVA1197		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 90	G515xBAT1387		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 91	G5167xBAT1387		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 92	G5147xBAT1251		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 93	G13338xBAT1387		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 94	G5167xBAT1387		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 95	G5132xBAT1071		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 96	G6500xA487		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 97	G5147xBAT1251		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 98	G11300xA487		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 99	G11300xA487		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 100	G11300xA487		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 101	G11300xA487		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 102	G11300xA487		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 103	G11300xA487		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 104	A192xBAT1276		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 105	S24990xBAT336		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 106	S24990xBAT336		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 107	A192xBAT1274		.	.	.	.	.	.	.	.	.	.	.	.	.	.
REC 108	A192xBAT1274		.	.	.	.	.	.	.	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to							VEF	IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
REC	109	A192xBAT1274	.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
REC	110	A192xBAT1274	.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
REC	111	A192xBAT1274	.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
REC	112	G21720xA487	.	.	.	.	.	.	N	.	.	.	.	.	.	.	.
REN	1	BAT1713x(EMP140xEMP154)	SMALL WHITE	1	20	2A	35	65	.	N	.	7	5	7	7	89-17	
REN	2	RAB59x(EMP98xRAB181)	HONDURAS 46	6	28	2B	35	62	.	N	.	8	.	7	4	89-313	
REN	3	BAT448x(EMP86xEMP87)	NEGRO	8	21	2A	39	63	.	N	.	7	.	7	6	89-534	
REN	4	RAB59x(EMP98xRAB181)	HONDURAS 46	6	25	2B	35	63	.	N	.	8	.	8	5	89-314	
REN	5	BAT1713x(EMP140xEMP154)	SMALL WHITE	1	26	2A	35	67	.	N	.	6	7	7	7	89-18	
REN	6	A697xFEB117	CARIOCA	2R	25	2	34	72	3	N	.	1	6	7	4	90-85	
REN	7	A697xEMP97	CARIOCA	2R	25	2	31	80	.	N	.	7	6	7	8	90-86	
REN	8	A697xFEB117	CARIOCA	2R	31	2	35	78	3	N	.	3	6	7	2	90-87	
REN	9	EMP86xCOS5	FLOR DE MAYO	5M	24	2	36	76	1	N	.	1	6	7	3	90-191	
REN	10	EMP135xFEB118	MULATINHO	2	21	2	40	77	1	N	.	1	7	7	3	90-124	
REN	11	EMP18xEMP81	MULATINHO	2	24	2	38	75	1	N	.	5	7	7	3	90-125	
REN	12	ZAABxG7295	BAYO ANDINO	2	43	1	35	73	1	N-M	.	4	6	7	3	90-53	
REN	13	PVA957xPAI129	CAFETERO	6M	27	2	37	75	.	N	.	3	6	8	7	90-360	
REN	14	A132xEMP135	MULATINHO	2	22	1	34	75	2	N	.	3	7	8	7	90-126	
REN	15	A132xEMP135	BICO DE OURO	2	24	2	35	78	.	N	.	8	5	7	7	90-68	
REN	16	BAT1261xEMP175	SMALL WHITE	1	21	1	37	73	2	N	.	5	7	7	5	90-17	
REN	17	BAT448xIN109	NEGRO OPACO	8	25	2	35	71	.	N	.	8	7	6	7	90-514	
REN	18	BAT448xIN109	NEGRO OPACO	8	24	2	36	71	.	N	.	7	5	7	7	90-515	
REN	19	EMP175xG15340	SMALL WHITE	1	19	2	39	77	1	N	.	2	5	7	4	90-18	
REN	20	EMP175xG15340	SMALL WHITE	1	19	2	39	76	1	N	.	1	6	7	4	90-19	
REN	21	EMP175xG15340	SMALL WHITE	1	18	2	40	76	1	N	.	2	6	7	3	90-20	
REN	22	G17426xEMP175	SMALL WHITE	1	19	2A	41	73	.	N	.	7	6	8	4	91-18	
REN	23	G17426xEMP175	SMALL WHITE	1	18	2A	41	74	.	N	.	7	6	8	4	91-19	
REN	24	G18284xEMP175	SMALL WHITE	1	16	2A	42	71	.	N	.	7	7	8	7	91-20	
REN	25	EMP178xPVA800	POMPADOUR	6M	34	2	37	68	.	N	.	1	8	6	4	91-258	
REN	26	RAO33xEMP187	MEXICO 80	6	25	2B	40	72	.	N	.	7	7	7	7	91-249	
REN	27	WAF42xEMP175	SMALL WHITE	1	22	2A	38	70	.	N	.	8	5	8	7	91-21	
REN	28	WAF42xEMP175	SMALL WHITE	1	27	2A	36	67	.	N	.	6	8	8	6	91-22	
REN	29	EMP175xEMP187	SMALL WHITE	1	22	2B	42	74	.	N	.	5	7	8	6	91-23	
REN	30	RAB416xEMP187	NEGRO	8	23	2A	43	75	.	N	.	8	7	7	7	91-448	
REN	31	RAB416xEMP187	NEGRO	8	23	2A	43	75	.	N	.	8	7	8	7	91-449	
REN	32	RAB387xEMP188	MULATINHO	2	20	1	39	69	.	N	.	8	7	8	7	91-58	
REN	33	RIZ107xER18334	NEGRO OPACO	8	20	2A	38	77	.	N	.	2	6	7	7	93-519	
REN	34	AFR392xER18339	BICO DE OURO	2	23	2A	39	80	.	N	.	4	6	8	7	93-80	
REN	35	RIZ98xER18375	CARIOCA	2R	21	2A	38	79	.	N	.	6	7	7	8	93-111	
REN	36	RIZ98xER18375	CARIOCA	2R	26	2	38	81	.	N	.	4	7	7	3	93-112	
REN	37	EMP213xER18376	CARIOCA	2R	24	2	37	77	.	N	.	4	6	5	3	93-113	
REN	38	EMP213xER18376	CARIOCA	2R	22	2B	38	81	.	N	.	5	7	6	4	93-114	
RGB	1	BAT1226x(G13922xBAT950)	BAT 1297	7J	31	.	42	81	.	N	.	1	6	6	5	85-1388	
RGB	2	G4482xRAB166	ZAMORANO	6	27	.	39	75	.	N	.	1	9	7	5	85-1389	
RGB	3	G4482xRAB166	HONDURAS 46	6	23	.	39	77	2	N	.	6	9	7	7	85-1390	
RGB	4	G4482xRAB166	HONDURAS 46	6	24	.	42	75	2	N	.	2	9	6	7	85-1391	
RGB	5	G4477xRAB165	HONDURAS 46	6	23	.	40	75	2	N-M	.	7	9	6	7	85-1392	
RGB	6	G4090xRAB164	ZAMORANO	6	22	.	37	71	.	M	.	3	9	8	7	85-1393	
RIZ	1	BAT21xG4482	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
RIZ	2	BAT21xG5694	.	1	18	2	41	77	4	N	.	8	8	3	5	81-508	
RIZ	3	BAT21xG4482	.	1	16	2	38	66	.	N	.	8	8	5	9	81-509	
RIZ	4	BAT21xG5694	NEGRO BRILLANTE	8	20	2	38	76	.	N	.	8	6	2	5	81-135	
RIZ	5	G6615xBAT202	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
RIZ	6	G6615xBAT202	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
RIZ	7	G6615xBAT202	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.
RIZ	8	G6615xBAT202	.	.	.	.	.	.	.	N	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
RIZ 9	G6615xBAT202								N								
RIZ 10	G6615xG4446	GREAT NORTHERN	1	18	3	40	77	1	N		6	7	7	5		81-510	82
RIZ 11	(G4482xG5711)x(G5711xG5694)	NEGRO SEMIBRILLA	8	23	3	37	76	1	N		5	8	5	5		81-866	83
RIZ 12	(G4482xG5711)x(G5711xG5694)	NEGRO	8	19	3	37	74		N		7	7	1	3		81-136	
RIZ 13	BAT804xSEL251	NEGRO	8	22	2B	36	76	1	N		9	5	7	7	3	83-90	85
RIZ 14	(SEL251xBAT913)x(BAT76xV7949)								N								
RIZ 15	(G11487xBAT832)x(G11487xV7920)		2	15	3A	41	70		N		9	6	7	6	5	83-1045	
RIZ 16	(G14025xBAT960)x(V7913xSEL251)								N								
RIZ 17	(G11487xBAT832)x(G14025xBAT972)		2R	18	3A	44	75	1	N		7	3	7	5	5	83-1050	
RIZ 18	(BAT338xBAT912)x(G11487xBAT804)	NEGRO	8	17	2B	40	74	1	N		8	9	7	4	1	83-91	
RIZ 19	(BAT338xBAT912)x(G11487xBAT804)		1	15	3B	42	85	1	N		9	5	6	6	5	83-813	
RIZ 20	(SEL251xBAT972)x((BAT154x((G4446x...								N								
RIZ 21	BAT1295x((G14025xBAT960)x(V7913x...		6J	21	2B	39	70	2	N		9	6	6	7	5	83-671	
RIZ 22	((BAT338xBAT912)x(G11487xBAT804))x((...		1	17	3A	42	85	1	N		9	4	6	7	5	83-798	
RIZ 23	((V7913xG11487)x(BAT338xSEL251))x((...		2R	18	3A	40	70	1	N		9	2	7	6	5	83-1051	
RIZ 24	((BAT159xG14025)x(G14025xBAT972))x((...								N								
RIZ 25	((G14025xBAT960)x(V7913xSEL251))x((...								N								
RIZ 26	((G14025xBAT960)x(V7913xSEL251))x((...								N								
RIZ 27	((G14025xBAT960)x(V7913xSEL251))x((...		2R	20	3A	41	73	2	N		9	6	7	6	5	83-1052	
RIZ 28	(RIZ28xDOR60)xBAT76								N								
RIZ 29	BAT76x((SEL251xBAT913)x(SEL252x...		2	19	2B	41	70	2	N		8	6	7	6	1	83-1017	
RIZ 30	BAT1235x((G14025xBAT960)x(V7913x...	BAT 1297	6M	26	2A	39	70	2	N		7	2	8	4	5	84-1000	
RIZ 31	((G6616xG4485)xBAT913)x(BAT338x...	CARIOCA	2	27	3	49	88		N		6	4	9	5	7	84-556	
RIZ 32	((BAT159xBAT338)x(G11487xBAT832))x((...	MULATINHO	2	28	3	47	88	2	N		7	3	8	7	7	84-557	86
RIZ 33	(BAT1295x((G14025xV7939)x(G11487x...	NEGRO OPACO	8	24	2A	50	78		N		7	5	9	7	5	84-25	
RIZ 34	G15416x((SEL251xSEL252)x(G11487x...	BICO DE OURO	2	23	3	47	79	1	N		7	4	8	6	7	84-558	
RIZ 35	SEL255xSEL256	MEXICO 80	6	26	3	43	76		N		7	4	9	6	7	84-150	
RIZ 36	(BAT338xBAT912)x(G11487xBAT804)	NEGRO OPACO	8	22	2A	50	82	1	N		7	5	8	7	5	84-26	86
RIZ 37	(BAT832xSEL251)x(BAT338xBAT912)	CHUMBINHO	4	26	2B	47	81		N		7	6	9	6	3	84-559	
RIZ 38	(SEL251xBAT913)x(G11487xBAT804)	CARIOCA	2R	24	2B	49	88		N		7	3	7	6	5	84-560	
RIZ 39	((BAT154x((G4446xG818)x(G4482x...	AZUFRAO	3	19	3	46	74		M		8	8	6	6	7	84-529	
RIZ 40	(BAT338x((BAT154x((G4446xG818)x(...	MEXICO 80	6	23	3	43	75		N-M		8	6	8	8	5	84-151	
RIZ 41	(BAT338x((BAT154x((G4446xG818)x(...	MEXICO 80	6	19	3	46	75		M		8	6	8	7	7	84-152	
RIZ 42	(BAT338x((BAT154x((G4446xG818)x(...	CARIOCA	2R	21	3	48	80		N		6	3	7	6	9	84-561	
RIZ 43	BAT332x((BAT159xG14025)x(G11487x...	BICO DE OURO	2	23	2	47	78		N		7	6	8	6	5	84-562	
RIZ 44	BAT1235x((G14025xBAT960)x(V7913x...	BAT 1297	6J	20	2A	39	68	2	N		6	4	8	5	5	84-1001	
RIZ 45	BAT76x((SEL251xBAT913)x(SEL252x...	BICO DE OURO	2	24	2	49	83	2	N		7	6	8	7	5	84-563	86
RIZ 46	((SEL251xBAT913)x(SEL252xBAT838))x((...	CARIOCA	2R	24	2	48	82	3	N		7	3	8	7	9	84-564	86
RIZ 47	BAT1230x((V7913xG11487)x(BAT76x...	CHUMBINHO	4	21	2	47	82		N		7	6	9	6	3	84-565	
RIZ 48	((BAT159xBAT338)x(G11487xBAT832))x((...	NEGRO OPACO	8	26	2	50	86	2	N		7	3	9	7	7	84-27	86
RIZ 49	((BAT159xBAT338)x(G11487xBAT832))x((...	NEGRO OPACO	8	24	2B	51	89		N		7	4	8	7	7	84-28	
RIZ 50	((BAT159xBAT338)x(G11487xBAT832))x((...	MULATINHO	2	22	2B	48	82	2	N		7	5	8	5	5	84-566	86
RIZ 51	((G14025xBAT960)x(V7913xSEL251))x((...	NEGRO OPACO	8	21	2B	48	78	1	M		6	6	9	7	3	84-29	
RIZ 52	((G14025xBAT960)x(V7913xSEL251))x((...	NEGRO OPACO	8	23	2B	48	87		M		7	5	9	7	5	84-30	
RIZ 53	(BAT1297x((G14025xV7939)x(G11487x...	MEXICO 80	6	22	3	44	76	3	N		7	5	8	5	9	84-153	86
RIZ 54	((V7913xG11487)x(BAT338xSEL251))x((...								N								
RIZ 55	G17384xRIZ18	SMALL WHITE	1	17	1	37	66	1	M-N		6	7	9	5	5	85-1394	
RIZ 56	BAT1453xRIZ29	SMALL WHITE	1	19	2A	49	68	4	N		9	7	9	7	6	85-1395	
RIZ 57	A249xSEL307	CARIOCA	2R	22	2B	37	64		N		6	5	9	6	5	85-1396	87
RIZ 58	SEL337xBAT93	CARIOCA	2R	22	2B	36	66		N		5	5	9	4	5	85-1397	87
RIZ 59	SEL314xSEL295	CARIOCA	2R	21	3B	40	73		N		5	4	9	6	5	85-1398	87
RIZ 60	SEL317xSEL339	CARIOCA	2R	20	2A	40	73		N		5	3	9	7	5	85-1399	87
RIZ 61	SEL315xSEL321	CARIOCA	2R	21	2A	38	68		N		5	7	9	4	7	85-1400	
RIZ 62	RIZ18xRIZ29	MULATINHO	2	19	2A	40	73	1	N		6	5	9	6	5	85-1401	87
RIZ 63	SEL333xSEL313	BICO DE OURO	2	20	2A	39	73		N		5	4	9	5	7	85-1402	
RIZ 64	SEL304xA296	MULATINHO	2	16	2A	37	67	1	N		5	6	7	3	3	85-1403	87

Line	Cross	Cult. type	Seed			Days to							VRP	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
RIZ 65	A296xSEL283	BICO DE OURO	2	19	2A	41	73	.	N	5	4	6	4	3	85-1404	
RIZ 66	SEL315xRIZ54	BAT 1297	6J	18	2	40	68	2	N	5	6	9	3	7	85-1405	
RIZ 67	RIZ18xXAN112	NEGRO OPACO	8	18	2	42	73	.	N	7	7	6	7	7	85-1406	
RIZ 68	SEL285xSEL315	NEGRO OPACO	8	18	2B	37	73	2	N	6	6	6	6	5	85-1407	87
RIZ 69	SEL289xSEL297	NEGRO SEMIBRILLA	8	19	2	42	73	1	N	6	6	7	6	7	85-1408	
RIZ 70	SEL298xSEL335	NEGRO OPACO	8	20	2	42	75	1	N	9	7	8	8	5	85-1409	
RIZ 71	BAT1673xRIZ21	BAT 1297	6J	24	1	36	72	.	N	8	6	7	7	8	86-400	
RIZ 72	RIZ21xDOR148	HUETAR	6	24	2B	38	66	1	N	7	3	7	7	7	86-116	
RIZ 73	SEL318xG2858	BAT 1297	6J	27	3	33	70	8	N	8	2	7	7	8	86-401	
RIZ 74	BAT1637xBAT44	HUETAR	6	23	2B	41	75	7	N	9	1	7	6	7	86-117	
RIZ 75	RIZ28xG17387	NAVY	1	18	2B	40	70	.	N	9	5	8	6	6	86-433	
RIZ 76	RIZ28xBAT1453	SMALL WHITE	1	20	1	40	72	.	M-N	9	3	8	6	7	86-434	
RIZ 77	DOR60xRIZ18	NEGRO OPACO	8	18	2B	41	69	.	N	9	6	7	6	7	86-44	
RIZ 78	RIZ18xBAT64	NEGRO OPACO	8	20	2B	40	70	.	N	9	6	8	6	7	86-45	
RIZ 79	SEL324xSEL332	NEGRO OPACO	8	19	2A	39	71	1	N	9	6	8	6	7	86-46	
RIZ 80	SEL293xRIZ45	NEGRO BRILLANTE	8	22	2A	40	72	.	N	9	7	7	6	8	86-47	
RIZ 81	BAT1453xRIZ29	BICO DE OURO	2	21	2A	39	69	.	N	9	1	7	5	6	86-960	
RIZ 82	SEL320xSEL319	CARIOCA	2R	20	2A	42	72	.	N	8	5	7	6	7	86-787	
RIZ 83	SEL347xSEL335	MULATINHO	2	22	2A	37	71	1	N	9	3	7	7	7	86-961	
RIZ 84	RIZ13xBAT527	NEGRO	8	24	2B	37	72	3	N	8	8	7	7	6	88-783	
RIZ 85	SEL356xBAT76	NEGRO	8	21	3	38	78	3	N	9	7	6	7	4	88-784	89
RIZ 86	SEL356xRIZ13	NEGRO	8	23	2B	42	80	1	N	8	1	6	7	4	88-785	89
RIZ 87	SEL356xRIZ13	NEGRO	8	24	2B	40	75	1	N	8	1	6	7	6	88-786	89
RIZ 88	SEL357xG15416	BICO DE OURO	2	26	2B	37	76	1	N	7	4	7	7	7	88-186	
RIZ 89	G14025xBAT1669	BAT 1297	6	26	2A	40	74	.	N	8	5	7	7	3	88-443	
RIZ 90	G14025xBAT44	RED MEXICAN	6	26	2B	38	76	.	N	8	7	7	7	6	88-641	
RIZ 91	BAT1645xRIZ40	HONDURAS 46	6	22	2B	33	67	.	N	8	5	6	7	6	88-544	
RIZ 92	BAT1645xRIZ40	HONDURAS 46	6	22	2B	33	70	4	N	8	5	7	7	6	88-545	
RIZ 93	BAT76xSEL354	CHUMBINHO	2	27	2B	38	76	1	N	8	3	7	7	7	88-229	
RIZ 94	RIZ29xG17387	NAVY	1	22	1	36	70	2	N	8	3	7	8	6	88-105	
RIZ 95	BAT1373xG17384	NAVY	1	22	1	33	75	.	M-N	9	7	8	7	5	88-106	
RIZ 96	BAT1673xG17387	NAVY	1	28	1	37	72	4	N	9	5	7	7	6	88-107	
RIZ 97	RIZ23xA249	CARIOCA	2R	22	2B	35	70	1	N	7	7	7	4	6	88-226	
RIZ 98	(G11487xBAT832)xBAT1493	CARIOCA	2R	27	2A	33	75	3	N	8	2	7	5	7	88-227	
RIZ 99	(G11487xBAT832)xG17704	BICO DE OURO	2	27	2B	42	80	1	N	8	5	7	7	3	88-187	
RIZ 100	(G11487xBAT832)xG17704	BICO DE OURO	2	24	2B	37	76	2	N	8	2	7	7	5	88-188	
RIZ 101	BAT874xRIZ23	BICO DE OURO	2	23	2A	40	76	8	N	8	6	7	7	8	88-189	
RIZ 102	SEL357xG15416	BICO DE OURO	2	21	2B	40	87	1	N	7	2	7	7	7	88-190	
RIZ 103	SEL357xG15416	BICO DE OURO	2	23	2B	40	87	1	N	8	2	7	7	7	88-191	
RIZ 104	(G11487xBAT832)xG15416	BICO DE OURO	2	27	3	38	78	1	N	8	2	7	7	4	88-192	
RIZ 105	G4201xBAT1336	RED MEXICAN	6	23	3	36	75	6	N	9	8	7	7	4	88-642	
RIZ 106	RIZ40xBAT1336	HONDURAS 46	6	22	2B	37	70	.	N	9	5	7	7	3	88-546	
RIZ 107	SEL357xBAT1336	HONDURAS 46	6	21	2B	37	74	3	N	8	2	6	6	7	88-547	
RIZ 108	RIZ18xBAT527	NEGRO	8	23	2A	38	74	1	N	8	6	7	8	4	88-787	89
RIZ 109	SEL357xBAT1336	MEXICO 80	6	19	2B	40	75	.	N	8	8	7	7	4	88-592	
RIZ 110	RIZ29xG17387	NAVY	1	19	1	40	68	.	N	8	8	6	8	4	88-108	
RIZ 111	SEL357xG15416	CARIOCA	2R	23	3	40	78	1	N	7	2	6	6	7	88-228	
RIZ 112	(G11487xBAT832)xBAT1669	BAT 1297	6M	21	2B	38	72	1	N	8	5	7	5	5	88-444	
RIZ 113	G14025xBAT1669	BAT 1297	6M	30	2A	41	76	4	N	8	5	7	7	5	88-445	
RIZ 114	SEL820xDOR227	NEGRO	8	21	2B	41	74	.	N	.	7	7	8	7	91-450	
RIZ 115	RIZ78xSEL821	NEGRO	8	22	2A	41	68	.	N	.	6	7	8	7	91-451	
RIZ 116	SEL821xSEL823	NEGRO	8	22	2A	38	68	.	N	.	6	6	7	6	91-452	
RIZ 117	XAN151xSEL821	NEGRO	8	24	2A	41	73	.	N	.	7	6	7	7	91-453	
RIZ 118	(RIZ28xDOR60)xBAT76	NEGRO	8	19	2B	42	73	.	N	.	1	7	7	7	91-454	
RIZ 119	XAN151xSEL821	NEGRO	8	21	2A	39	74	.	N	.	6	7	8	7	91-455	
RIZ 120	DOR308xSEL834	ZAMORANO	6	21	2B	40	71	.	N	.	7	6	4	4	91-184	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
RIZ 121	PAI103xSEL824	BAT 1297	6M	26	2B	40	71	.	N	.	8	7	5	7		91-159	
RIZ 122	PAI103xSEL824	BAT 1297	6M	23	2A	41	71	.	N	.	2	7	8	7		91-160	
RIZ 123	PAI28xSEL829	BAT 1297	6M	30	2A	39	69	.	N	.	7	7	8	7		91-161	
RIZ 124	DESCONOCIDO	CITARA	6M	37	1	31	69	.	M	.	1	7	7	3		92-513	
RIZ 125	DESCONOCIDO		3	19	2A	35	72	.	M	.	1	7	5	5		92-349	
RIZ 126	DESCONOCIDO	CITARA	6M	34	2B	36	68	.	M	.	1	4	4	2		92-514	
RIZ 127	DESCONOCIDO	POMPADOUR	7M	26	2A	33	69	.	N	.	1	7	5	4		92-659	
RIZ 128	DESCONOCIDO	POMPADOUR	7M	35	1	30	70	.	N	.	1	6	5	3		92-660	
ROS 1	XAN236x (BAT496xA340)	BICO DE OURO	2	15	2A	41	73	.	N	.	9	4	7	4		91-33	
ROS 2	SEL949xSEL958	ROSINHA	5	22	2B	41	75	.	N	.	5	6	8	6		91-119	
ROS 3	SEL949xSEL958	ROSINHA	5	21	2B	41	72	.	N	.	1	7	8	5		91-130	
ROS 4	SEL949xSEL958	ROSINHA	5	20	2B	42	74	.	N	.	5	6	7	6		91-141	
ROS 5	SEL949xSEL958	ROSINHA	5	25	2B	40	69	.	N	.	4	7	8	6		91-146	
ROS 6	SEL949xSEL958	ROSINHA	5	22	2B	41	71	.	N	.	5	6	8	6		91-151	
ROS 7	SEL949xSEL958	ROSINHA	5	25	2B	39	69	.	N	.	3	7	8	6		91-154	
ROS 8	SEL949xSEL958	ROSINHA	5	24	2B	40	71	.	N	.	2	7	6	6		91-155	
ROS 9	SEL949xSEL958	ROSINHA	5	24	2A	41	69	.	N	.	6	7	4	6		91-156	
ROS 10	SEL949xSEL958	ROSINHA	5	25	2B	41	69	.	N	.	1	7	8	6		91-109	
ROS 11	SEL949xSEL958	ROSINHA	5	27	2B	41	74	.	N	.	2	7	5	7		91-110	
ROS 12	SEL949xSEL958	ROSINHA	5	23	3	40	69	.	N	.	9	7	7	7		91-111	
ROS 13	SEL949xA682	ROSINHA	5	23	2A	39	68	.	N	.	3	7	7	7		91-112	
ROS 14	SEL949xA682	ROSINHA	5	28	2B	39	69	.	N	.	2	7	5	5		91-113	
ROS 15	SEL949xA682	ROSINHA	5	27	2B	42	70	.	N	.	2	7	7	5		91-114	
ROS 16	SEL949xDOR364	ROSINHA	5	22	2B	43	74	.	N-M	.	6	6	7	6		91-115	
ROS 17	SEL949xDOR364	ROSINHA	5	22	2B	41	71	.	N-M	.	6	7	3	6		91-116	
ROS 18	SEL949xDOR364	ROSINHA	5	24	2A	39	70	.	N	.	6	7	6	6		91-117	
ROS 19	SEL949xDOR364	ROSINHA	5	20	2B	42	74	.	N	.	6	6	8	6		91-118	
ROS 20	SEL949xDOR364	ROSINHA	5	23	2A	41	72	.	N	.	2	6	7	7		91-120	
ROS 21	SEL949xDOR364	ROSINHA	5	22	2B	42	72	.	N	.	6	6	7	6		91-121	
ROS 22	SEL949xDOR364	ROSINHA	5	26	2B	41	71	.	N	.	6	6	8	5		91-122	
ROS 23	SEL949xDOR364	ROSINHA	5	24	2B	42	71	.	N	.	7	6	8	6		91-123	
ROS 24	SEL949xDOR364	ROSINHA	5	26	2B	41	69	.	N-M	.	7	6	8	6		91-124	
ROS 25	SEL949xDOR364	ROSINHA	5	22	2B	42	73	.	N	.	2	6	7	6		91-125	
ROS 26	SEL948xA686	ROSINHA	5	27	2B	41	69	.	N	.	5	6	7	3		91-126	
ROS 27	SEL948xA686	ROSINHA	5	27	2B	41	71	.	N	.	7	7	5	3		91-127	
ROS 28	SEL948xA686	ROSINHA	5	28	2B	41	69	.	N	.	6	7	4	4		91-128	
ROS 29	SEL948xA686	ROSINHA	5	28	2B	41	71	.	N	.	7	6	8	4		91-129	
ROS 30	SEL948xA686	ROSINHA	5	30	2B	41	69	.	N	.	8	5	7	4		91-131	
ROS 31	SEL948xA686	ROSINHA	5	27	2	41	72	.	N	.	6	6	7	2		91-132	
ROS 32	SEL948xA686	ROSINHA	5	28	2B	39	68	.	N	.	6	7	8	7		91-133	
ROS 33	SEL948xA686	ROSINHA	5	25	2B	40	66	.	N	.	3	7	6	6		91-134	
ROS 34	SEL948xA686	ROSINHA	5	27	2B	40	71	.	N	.	8	7	6	3		91-135	
ROS 35	SEL948xA686	ROSINHA	5	25	2B	41	68	.	N	.	6	6	7	4		91-136	
ROS 36	SEL950xA663	ROSINHA	5	21	2B	41	72	.	N	.	7	6	5	7		91-137	
ROS 37	SEL950xA663	ROSINHA	5	25	2A	41	72	.	N	.	6	7	7	6		91-138	
ROS 38	SEL950xA663	ROSINHA	5	23	2A	41	72	.	N	.	7	6	6	6		91-139	
ROS 39	SEL950xA663	ROSINHA	5	22	2A	41	72	.	N	.	6	6	7	7		91-140	
ROS 40	SEL950xA663	ROSINHA	5	24	2A	41	73	.	N	.	6	7	8	6		91-142	
ROS 41	SEL950xDOR364	MEXICO 80	7	21	2B	42	72	.	N	.	7	7	.	7		91-344	
ROS 42	SEL950xDOR364	MEXICO 80	7	22	2B	41	72	.	N	.	7	7	3	7		91-345	
ROS 43	SEL950xDOR364	MEXICO 80	7	23	2B	41	72	.	N	.	7	7	4	7		91-346	
ROS 44	SEL950xDOR364	MEXICO 80	7	22	2B	41	74	.	N	.	7	7	8	6		91-347	
ROS 45	SEL951xSEL961	MEXICO 80	7	20	3	41	75	.	N	.	6	7	5	7		91-348	
ROS 46	SEL954xSEL958	ROSINHA	5	22	2B	40	69	.	N	.	4	7	8	6		91-143	
ROS 47	SEL954xSEL958	ROSINHA	5	25	2B	40	69	.	N	.	3	6	7	6		91-144	
ROS 48	SEL954xSEL958	ROSINHA	5	21	2B	40	69	.	N	.	5	6	7	5		91-145	

Line	Cross	Cult. type	Seed			Days to							VEF	IB			
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
ROS	49	SEL954xSEL958	MEXICO	80	7	21	3	41	71	.	N	.	5	7	8	5	91-349
ROS	50	SEL954xSEL958	MEXICO	80	7	23	2B	39	69	.	N	.	5	7	7	4	91-350
ROS	51	SEL954xSEL958	MEXICO	80	7	24	2B	39	68	.	N	.	6	7	5	7	91-351
ROS	52	SEL954xSEL958	MEXICO	80	7	23	2A	40	67	.	N	.	6	7	4	6	91-352
ROS	53	SEL954xSEL958	MEXICO	80	7	22	2B	40	68	.	N	.	7	7	5	7	91-353
ROS	54	SEL954xSEL958	MEXICO	80	7	23	2B	38	68	.	N	.	2	7	7	7	91-354
ROS	55	SEL954xSEL958	MEXICO	80	7	23	2B	40	69	.	N	.	6	7	7	5	91-355
ROS	56	SEL954xSEL958	ROSIHA		5	22	2A	40	70	.	N	.	6	7	7	6	91-147
ROS	57	SEL954xA663	ROSIHA		5	21	2B	39	67	.	N	.	5	7	4	7	91-148
ROS	58	SEL954xA663	ROSIHA		5	21	3	38	65	.	N	.	6	7	5	7	91-149
ROS	59	SEL954xA750	ROSIHA		5	24	2B	35	66	.	N	.	2	7	6	7	91-150
ROS	60	SEL954xA750	MEXICO	80	7	23	3	38	68	.	N	.	6	7	4	4	91-356
ROS	61	SEL955xDOR371	MEXICO	80	7	21	2B	41	71	.	N	.	3	7	7	7	91-357
ROS	62	SEL955xDOR371	MEXICO	80	7	20	2B	41	73	.	N	.	5	7	7	7	91-358
ROS	63	SEL956xSEL958	ROSIHA		5	23	2B	41	73	.	N	.	6	6	6	6	91-152
ROS	64	SEL956xSEL958	ROSIHA		5	27	2B	40	72	.	N	.	6	7	6	5	91-153
ROS	65	SEL956xA686	MEXICO	80	7	28	3	41	75	.	N	.	2	6	7	6	91-359
ROS	66	SEL956xA686	MEXICO	80	7	24	3	42	75	.	N	.	2	7	5	6	91-360
ROS	67	SEL949xDOR364	MULATINHO		2	21	2B	38	77	.	N	.	1	7	6	7	93-146
ROS	68	SEL954xSEL958	ROSIHA		5	24	2B	40	77	.	N	.	1	6	7	7	93-208
RUS	1	BAT482xG5765			.	.	.	.	.	.	M-N	.	.	.	.	.	.
RWR	45	DESCONOCIDO	CRANBERRY		2M	56	1	37	80	8	M	8	7	5	6	5	88-241
RWR	47	DESCONOCIDO	GUALI		6	39	1	32	65	.	N	9	8	6	5	4	88-500
RWR	86	DESCONOCIDO	GUALI		6	37	1	33	67	.	N	9	8	6	5	4	88-501
RWR	96	DESCONOCIDO	FRIJOLICA P11		6	47	1	33	74	.	M	8	3	5	6	3	88-559
RWR	104	DESCONOCIDO			.	.	.	.	.	.	M	.	.	.	.	.	.
RWR	109	DESCONOCIDO	BAYO ANDINO		2	23	2B	37	74	.	N	8	7	5	7	7	88-185
RWR	112	DESCONOCIDO	LIBORINO		6R	44	1	33	74	.	M	8	8	6	5	3	88-551
RWR	115	DESCONOCIDO	POMPADOUR		6M	47	1	33	76	.	M	8	8	7	7	3	88-614
RWR	123	DESCONOCIDO	POMPADOUR		6M	42	1	33	76	8	M	9	4	7	6	4	88-619
RWR	129	DESCONOCIDO	NIMA		6M	40	1	32	72	.	M	8	8	6	6	4	88-598
RWR	130	DESCONOCIDO	POMPADOUR		6M	41	1	33	72	.	M	8	8	6	7	3	88-615
RWR	136	DESCONOCIDO	POMPADOUR		6M	43	1	33	76	.	M	8	8	5	7	3	88-616
RWR	140	DESCONOCIDO	POMPADOUR		6M	44	1	33	76	.	M	8	8	6	6	4	88-613
RWR	148	DESCONOCIDO	POMPADOUR		6M	44	1	33	76	.	M	8	8	5	7	3	88-617
RWR	150	DESCONOCIDO	POMPADOUR		6M	45	1	33	77	.	M	8	8	5	6	3	88-618
RWR	155	DESCONOCIDO	SANGRETORO		6M	39	1	32	75	.	M	8	6	6	7	3	88-756
RWR	157	DESCONOCIDO	NIMA		6M	39	1	32	74	.	M	8	8	5	7	3	88-597
RWR	159	DESCONOCIDO	NIMA		6M	48	1	33	76	6	M	8	4	5	6	4	88-599
RWR	170	DESCONOCIDO	POMPADOUR		6M	56	1	32	76	.	M	8	8	6	7	3	88-612
RWR	181	DESCONOCIDO	SANGRETORO		6	33	1	32	72	8	M	8	2	7	7	4	88-757
RWR	181-1	DESCONOCIDO	SANGRETORO		6	35	1	33	74	.	M	9	2	7	7	3	88-758
RWR	182	DESCONOCIDO	SANGRETORO		6	32	1	33	76	8	M	9	5	6	7	3	88-759
RWR	182-1	DESCONOCIDO	SANGRETORO		6	32	1	33	76	.	M	9	2	6	7	3	88-760
RWR	184	DESCONOCIDO	SANGRETORO		6	36	1	33	76	8	M	9	1	7	5	3	88-761
RWR	184-1	DESCONOCIDO	SANGRETORO		6	39	1	32	76	.	M	9	2	6	5	4	88-762
RWR	203	DESCONOCIDO	FRIJOLICA P11		6M	51	1	32	76	.	M	8	2	6	7	3	88-558
RWR	217	DESCONOCIDO	AMARILLO GRANDE		3	46	1	37	80	.	M	8	6	7	6	5	88-276
RWR	221	DESCONOCIDO	ROSIHA		5	25	3	36	78	.	M	9	4	7	4	2	88-442
RWR	222	DESCONOCIDO	ROSIHA		5	30	3	33	74	1	M	9	2	7	4	4	88-441
SAN	1	VRA81061-SELECCION	RED MEXICAN		6	26	4	54	109	.	M	.	1	8	2	3	87-651
SAN	2	G3910xV79020	MEXICO	80	6	30	4	61	109	.	M	.	1	8	4	6	87-652
SAN	3	G12727xV79119	RED MEXICAN		6	30	4	54	109	.	M	.	1	8	5	2	87-653
SAN	4	G2025xG13936	RED MEXICAN		6	28	4	56	109	.	M	.	1	8	4	5	87-654
SAN	5	G12727xV79119	RED MEXICAN		6	28	4	55	109	.	M	.	2	8	5	3	87-655
SAN	6	G12727xV79017	RED MEXICAN		6	34	4	55	110	4	M	9	1	7	8	3	87-656

Line	Cross	Cult. type	Seed			Days to							VEF		IB		
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
SAN	7	G12727xV7917	RED MEXICAN	6	33	4	56	115	4	M	9	2	8	8	3	87-657	
SAN	8	G2371xV79018	RED MEXICAN	6	33	4	58	124	8	M	9	7	7	8	3	87-658	
SAN	9	G2371xV7918	RED MEXICAN	6	31	4	61	125	8	M	9	6	8	8	5	87-659	
SAN	10	G12532xBAT1274	RED MEXICAN	6	40	3B	62	124	8	N	8	7	6	5	3	87-660	
SAN	11	V80043xV79020	RED MEXICAN	6	33	3B	60	113	5	N	9	4	7	8	7	87-661	
SAN	12	G12443xG12325	SANGRETORO	6	.	4A	45	.	.	M	9	3	6	7	3	88-1153	
SAN	13	G11820xG12275	SANGRETORO	6	.	4A	45	.	.	M	9	1	6	6	3	88-1154	
SAN	14	G11820xG12275	SANGRETORO	6	.	4B	52	.	.	M	9	2	6	7	3	88-1155	
SAN	15	G11820xG12275	SANGRETORO	6	.	4B	45	.	.	M	9	1	6	7	4	88-1156	
SAN	16	DESCONOCIDO	ARGENTINO	7	54	4A	45	.	.	M	9	3	7	6	3	88-1206	
SAN	17	VRAB1054xG12667	RED MEXICAN	6	36	.	93	.	.	M	.	1	.	6	3	89-900	
SAN	18	VRAB1054xG12275	RED MEXICAN	6	35	.	86	.	.	M	.	1	.	6	3	89-899	
SEL	1	{G3645xG5479} x {G4142xG5479}		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	2	{G3645xG5478} x {G2056xG5478}		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	3	{G4495xG5481} x {G3645xG5481}		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	4	{G4495xG5481} x {G3645xG5481}		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	5	{G4495xG5481} x {G3645xG5481}		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	6	G4454xG5709		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	7	G3360xG5709		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	8	G4525xG5709		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	9	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	10	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	11	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	12	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	13	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	14	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	15	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	16	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	17	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	18	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	19	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	20	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	21	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	22	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	23	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	24	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	25	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	26	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	27	G4495xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	28	G3696xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	29	G3130xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	30	G3130xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	31	G3130xG5476		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	32	G3709xG3065		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	33	G4454xG5477		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	34	G4454xG1320		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	35	G4454xG1320		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	36	G4421xG4454		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	37	G4454xG1741		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	38	G3696xG3738		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	39	G4495xG5652		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	40	G4495xG5652		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	41	G4177xG4122		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	42	G5054xG5208		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	43	G4122xG4493		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL	44	G3709xG4485		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to					VEF	IB					
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
SEL 45	G3834xG4493																M-N
SEL 46	G3130xG3762																M-N
SEL 47	G3130xG3762																M-N
SEL 48	G3130xG3738																M-N
SEL 49	G4792xG5481																M-N
SEL 50	(G4454xG4485) x (G1741xG4493)																M-N
SEL 51	(G4454xG4489) x (G2005xG4493)																M-N
SEL 52	(G3834xG4485) x (G2539xG4493)																M-N
SEL 53	(G4122xG4485) x (G3974xG4493)																M-N
SEL 54	(G3645xG2045) x (G3974xG4485)																M-N
SEL 55	(G3645xG2045) x (G3974xG4485)																M-N
SEL 56	(G4454xG4493) x (G4525xG4485)																M-N
SEL 57	(G2539xG2045) x (G4454xG5694)																M-N
SEL 58	(G2005xG4454) x (G5208xG5213)																M-N
SEL 59	(G2005xG4454) x (G832xG5213)																M-N
SEL 60	G4525xG310																M-N
SEL 61	G4525xG4977																M-N
SEL 62	G4525xG4977																M-N
SEL 63	G2296xG4525																M-N
SEL 64	G2296xG4525																M-N
SEL 65	G2689xG4525																M-N
SEL 66	G2689xG4525																M-N
SEL 67	G1741xG4525																M-N
SEL 68	G4495xG3790																M-N
SEL 69	G4454xG5719																M-N
SEL 70	G4454xG5719																M-N
SEL 71	G4454xG5719																M-N
SEL 72	G4452xG5749																M-N
SEL 73	G4452xG5749																M-N
SEL 74	G4452xG5749																M-N
SEL 75	G4791xG5749																M-N
SEL 76	G4493xG4485																M-N
SEL 77	(G3709xG3353) x (G2115xG5476)																M-N
SEL 78	(G4122xG3353) x (G2005xG5477)																M-N
SEL 79	(G4122xG3353) x (G3645xG5478)																M-N
SEL 80	(G3627xG1320) x (G2115xG5477)																M-N
SEL 81	(G4454xG1320) x (G4122xG5478)																M-N
SEL 82	(G4454xG1320) x (G4122xG5478)																M-N
SEL 83	(G4454xG1320) x (G4122xG5478)																M-N
SEL 84	(G4454xG1320) x (G4122xG5478)																M-N
SEL 85	(G4454xG1320) x (G4122xG5478)																M-N
SEL 86	(G4454xG1320) x (G4122xG5478)																M-N
SEL 87	(G2056xG1320) x (G4792xG5477)																M-N
SEL 88	(G2056xG1320) x (G4792xG5477)																M-N
SEL 89	(G2056xG1320) x (G4792xG5477)																M-N
SEL 90	G3729xG4452																M-N
SEL 91	G3729xG4452																M-N
SEL 92	G3597xG5694																M-N
SEL 93	G5141xG1349																M-N
SEL 94	G4454xG4494																M-N
SEL 95	G4454xG4494																M-N
SEL 96	G4177xG4494																M-N
SEL 97	G4177xG4494																M-N
SEL 98	G4177xG4494																M-N
SEL 99	G4194xG4494																M-N
SEL 100	G4194xG4494																M-N

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV							Ent	YAN
SEL 101	G5054xG4494		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 102	G5208xG4494		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 103	G5141xG4494		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 104	G5141xG4494		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 105	G4505xG4485		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 106	G4452xG5709		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 107	G4452xG5709		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 108	G4452xG5709		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 109	G4452xG5709		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 110	G4452xG5709		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 111	G4452xG5709		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 112	G4452xG5709		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 113	G7603xG5709		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 114	G4525xG3645		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 115	G4525xG3645		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 116	G2146xG4493		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 117	G2959xG4831		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 118	G4456xG4831		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 119	G2960xG5704		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 120	G2960xG5704		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 121	G4177xG5704		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 122	G4505xG5704		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 123	G4505xG5704		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 124	G4505xG5704		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 125	G4505xG5704		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 126	G4505xG5704		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 127	G5059xG5704		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 128	G2959xG4142		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 129	G4525xG1540		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 130	G4525xG4792		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 131	G4122xG4142		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 132	G4489xG4142		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 133	G3359xG4142		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 134	G5054xG4485		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 135	G4461xG4446		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 136	G4461xG4446		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 137	G4485xG4446		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 138	G4485xG4446		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 139	G4459xG4446		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 140	G4525xG4470		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 141	G4473xG4452		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 142	G4473xG4452		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 143	G4473xIN3		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 144	G76xG4460		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 145	G76xG4460		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 146	G76xG4460		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 147	G4494xBAT950		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 148	G4494xBAT950		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 149	BAT47xG11894		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 150	BAT47xG11894		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 151	BAT47xBAT93		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 152	BAT44xBAT93		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 153	G6533xG11894		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 154	G6533xG14013		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 155	G6533xG14013		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 156	SEL14xSEL137		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.

Line	Cross	Cult. type	Seed			Days to			BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot								Ent	YAN
SEL 157	SEL16xSEL138															M-N	
SEL 158	BAT44xSEL42															M-N	
SEL 159	BAT757xBAT363															M-N	
SEL 160	IN13xA21															M-N	
SEL 161	DOR43xSEL114															M-N	
SEL 162	DOR43xA21															M-N	
SEL 163	G14013xBAT982															M-N	
SEL 164	BAT44xBAT950															M-N	
SEL 165	A25xSEL74															M-N	
SEL 166	A23xBAT93															M-N	
SEL 167	BAT160xG6377															M-N	
SEL 168	BAT331xSEL18															M-N	
SEL 169	BAT93xG11897															M-N	
SEL 170	BAT93xG11897															M-N	
SEL 171	BAT93xG7476															M-N	
SEL 172	BAT883x(G6616xSEL108)															M-N	
SEL 173	BAT883x(G6401xSEL143)															M-N	
SEL 174	BAT883x(G6401xSEL143)															M-N	
SEL 175	BAT883x(G6401xSEL143)															M-N	
SEL 176	BAT805xBAT363															M-N	
SEL 177	G6402xG13922															M-N	
SEL 178	G6402xG13922															M-N	
SEL 179	G6402xG13922															M-N	
SEL 180	G6402xG13922															M-N	
SEL 181	BAT419xBAT887															M-N	
SEL 182	BAT419xBAT887															M-N	
SEL 183	BAT419xBAT887															M-N	
SEL 184	A25xG6402															M-N	
SEL 185	G14013xBAT93															M-N	
SEL 186	BAT883xG5707															M-N	
SEL 187	BAT280xG11499															M-N	
SEL 188	G14013x(G14013x(G4494x(G76x...															M-N	
SEL 189	G14013x(G14013x(G4494x(G76x...															M-N	
SEL 190	G14013x(G14013xSEL141)															M-N	
SEL 191	DOR83xDOR41															M-N	
SEL 192	BAT75xBAT964															M-N	
SEL 193	BAT75xBAT1088															M-N	
SEL 194	BAT75xG13501															M-N	
SEL 195	BAT75xG13501															M-N	
SEL 196	BAT76xBAT848															M-N	
SEL 197	BAT76xBAT794															M-N	
SEL 198	BAT76xBAT794															M-N	
SEL 199	BAT76xBAT1099															M-N	
SEL 200	BAT338xVRB7920															M-N	
SEL 201	BAT1155xBAT964															M-N	
SEL 202	EMP6xBAT885															M-N	
SEL 203	EMP9xBAT964															M-N	
SEL 204	EMP43xBAT964															M-N	
SEL 205	EMP43xBAT964															M-N	
SEL 206	EMP43xBAT964															M-N	
SEL 207	DOR42xG13501															M-N	
SEL 208	EMP77xBAT1155															M-N	
SEL 209	EMP77xBAT1155															M-N	
SEL 210	EMP77xBAT1155															M-N	
SEL 211	EMP77xBAT1155															M-N	
SEL 212	EMP77xBAT1155															M-N	

Line	Cross	Cult. type	Seed			Days to			BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot								Ent	YAN
SEL 213	EMP77xBAT1155															M-N	
SEL 214	EMP77xBAT1155															M-N	
SEL 215	EMP77xBAT1155															M-N	
SEL 216	EMP77xBAT1155															M-N	
SEL 217	EMP77xBAT1155															M-N	
SEL 218	EMP77xBAT1155															M-N	
SEL 219	G124xBAT964															M-N	
SEL 220	G124xVRB7920															M-N	
SEL 221	EMP66xBAT848															M-N	
SEL 222	DOR6xBAT93															M-N	
SEL 223	G8059xBAT848															M-N	
SEL 224	G8079xBAT93															M-N	
SEL 225	G8079xBAT1155															M-N	
SEL 226	BAT930xBAT93															M-N	
SEL 227	BAT930xBAT93															M-N	
SEL 228	BAT930xBAT93															M-N	
SEL 229	BAT930xBAT93															M-N	
SEL 230	BAT1099xBAT93															M-N	
SEL 231	EMP83xBAT1155															M-N	
SEL 232	EMP88xBAT41															M-N	
SEL 233	EMP88xBAT887															M-N	
SEL 234	EMP88xBAT887															M-N	
SEL 235	EMP89xBAT338															M-N	
SEL 236	EMP92xG3994															M-N	
SEL 237	EMP92xG3994															M-N	
SEL 238	G13921xEMP88															M-N	
SEL 239	G13921xEMP88															M-N	
SEL 240	EMP97xBAT93															M-N	
SEL 241	EMP97xG3597															M-N	
SEL 242	EMP81xEMP82															M-N	
SEL 243	EMP81xEMP89															M-N	
SEL 244	EMP82xBAT363															M-N	
SEL 245	EMP85xEMP89															M-N	
SEL 246	BAT1226xEMP90															M-N	
SEL 247	G3729xG4452															M-N	
SEL 248	DOR43xA21															M-N	
SEL 249	BAT820xBAT482															M-N	
SEL 250	G6616xG4485															M-N	
SEL 251	G4792xG4446															M-N	
SEL 252	G4792xG4446															M-N	
SEL 253	BAT338x((BAT154x((G4446xG818)x(...															M-N	
SEL 254	BAT338x((BAT154x((G4446xG818)x(...															M-N	
SEL 255	BAT1295x((G14025xV7939)x(G11487x...															M-N	
SEL 256	BAT1295x((G14025xV7939)x(G11487x...															M-N	
SEL 257	DOR83xDOR41															M-N	
SEL 258	G14013xBAT982															M-N	
SEL 259	A23xBAT950															M-N	
SEL 260	BAT883x(G6616xSEL108)															M-N	
SEL 261	BAT419xBAT887															M-N	
SEL 262	BAT419xG14013															M-N	
SEL 263	BAT897xBAT1155															M-N	
SEL 264	G4837xBAT202															M-N	
SEL 265	(G6533xBAT1113)xBAT1113															M-N	
SEL 266	G6616x(G11891x(G6401xSEL143))															M-N	
SEL 267	G6402xG13922															M-N	
SEL 268	BAT1202xBAT1225															M-N	

Line	Cross	Cult. type	Seed col.	Wt	Hab	Days to Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEP Ent	IB YAN
SEL 269	BAT1225xA40																M-N
SEL 270	G14025xXAN58																M-N
SEL 271	BAT1299x(BAT543xSEL4)																M-N
SEL 272	BAT1235x(BAT863x(G4482x(G4791x(...																M-N
SEL 273	BAT887xBAT897																M-N
SEL 274	(BAT159xBAT338)x(SEL251xBAT913)																M-N
SEL 275	EMP92xG13500																M-N
SEL 276	EMP92xG13500																M-N
SEL 277	BAT47xSEL56																M-N
SEL 278	BAT674x(BAT93x(G4791x(G4791x(...																M-N
SEL 279	BAT1225xBAT740																M-N
SEL 280	(BAT332xV7920)x(BAT832xSEL251)																M-N
SEL 281	(BAT332xV7920)x(BAT832xSEL251)																M-N
SEL 282	(BAT332xV7920)x(BAT832xSEL251)																M-N
SEL 283	(BAT332xV7920)x(BAT832xSEL251)																M-N
SEL 284	(BAT338xBAT912)x(G11487xBAT804)																M-N
SEL 285	(BAT338xBAT912)x(G11487xBAT804)																M-N
SEL 286	(BAT338xBAT912)x(G11487xBAT804)																M-N
SEL 287	(BAT338xBAT912)x(G11487xBAT804)																M-N
SEL 288	(BAT338xBAT912)x(G11487xBAT804)																M-N
SEL 289	(BAT338xBAT912)x(G11487xBAT804)																M-N
SEL 290	(BAT832xSEL251)x(BAT338xBAT912)																M-N
SEL 291	(BAT832xSEL251)x(BAT338xBAT912)																M-N
SEL 292	(BAT832xSEL251)x(BAT338xBAT912)																M-N
SEL 293	(BAT832xSEL251)x(BAT338xBAT912)																M-N
SEL 294	(BAT832xSEL251)x(BAT338xBAT912)																M-N
SEL 295	(SEL251xBAT913)x(G11487xBAT804)																M-N
SEL 296	(SEL251xBAT913)x(G11487xBAT804)																M-N
SEL 297	(SEL251xBAT913)x(G11487xBAT804)																M-N
SEL 298	(SEL251xBAT913)x(G11487xBAT804)																M-N
SEL 299	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 300	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 301	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 302	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 303	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 304	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 305	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 306	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 307	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 308	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 309	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 310	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 311	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 312	((BAT154x((G4446xG818)x(G4482x...)																M-N
SEL 313	BAT1235x((G14025xBAT960)x(V7913x...)																M-N
SEL 314	BAT1235x((G14025xBAT960)x(V7913x...)																M-N
SEL 315	BAT1235x((G14025xBAT960)x(V7913x...)																M-N
SEL 316	BAT1235x((G14025xBAT960)x(V7913x...)																M-N
SEL 317	BAT1235x((G14025xBAT960)x(V7913x...)																M-N
SEL 318	BAT1235x((G14025xBAT960)x(V7913x...)																M-N
SEL 319	BAT1235x((G14025xBAT960)x(V7913x...)																M-N
SEL 320	BAT1225x((BAT159xG14025)x(G14025x...)																M-N
SEL 321	BAT1225x((BAT159xG14025)x(G14025x...)																M-N
SEL 322	BAT1225x((BAT159xG14025)x(G14025x...)																M-N
SEL 323	BAT1225x((BAT159xG14025)x(G14025x...)																M-N
SEL 324	BAT1225x((BAT159xG14025)x(G14025x...)																M-N

Line	Cross	Cult. type	Seed			Days to				VEF	IB							
			col.	Wt	Hab	F1	Mt	Fot	BCMV			Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
SEL 381	G11891xBAT1230																	M-N
SEL 382	G13094xBAT1230																	M-N
SEL 383	G13094xBAT1230																	M-N
SEL 384	G13094xBAT1230																	M-N
SEL 385	G13094xBAT1230																	M-N
SEL 386	G13094xBAT1230																	M-N
SEL 387	G13094xBAT1230																	M-N
SEL 388	G5896xBAT1230																	M-N
SEL 389	G5896xBAT1230																	M-N
SEL 390	A176xBAT1344																	M-N
SEL 391	BAT1270xBAT1344																	M-N
SEL 392	BAT1324xBAT1081																	M-N
SEL 393	BAT1324xBAT1299																	M-N
SEL 394	BAT1324xBAT1344																	M-N
SEL 395	SEL173xBAT41																	M-N
SEL 396	SEL173xBAT41																	M-N
SEL 397	SEL173xBAT41																	M-N
SEL 398	SEL173xBAT1344																	M-N
SEL 399	SEL174xBAT841																	M-N
SEL 400	JT75-SELECCION																	M-N
SEL 401	SEL175xBAT1344																	M-N
SEL 402	G5707xSEL186																	M-N
SEL 403	BAT1259xEMP116																	M-N
SEL 404	BAT1264xSEL222																	M-N
SEL 405	BAT1274xSEL213																	M-N
SEL 406	SEL209xBAT1225																	M-N
SEL 407	A132xEMP105																	M-N
SEL 408	JT72-SELECCION																	M-N
SEL 409	JT72-SELECCION																	M-N
SEL 410	JT72-SELECCION																	M-N
SEL 411	JT76-SELECCION																	M-N
SEL 412	JT76-SELECCION																	M-N
SEL 413	JT76-SELECCION																	M-N
SEL 414	JT76-SELECCION																	M-N
SEL 415	G13094xBAT1230																	M-N
SEL 416	G17719xBAT1320																	M-N
SEL 417	DOR41xXAN112																	M-N
SEL 418	DOR41xXAN112																	M-N
SEL 419	DOR41xXAN112																	M-N
SEL 420	DOR41xXAN112																	M-N
SEL 421	DOR41xXAN112																	M-N
SEL 422	DOR41xXAN112																	M-N
SEL 423	DOR41xXAN112																	M-N
SEL 424	DOR41xXAN112																	M-N
SEL 425	DOR41xXAN112																	M-N
SEL 426	DOR41xXAN112																	M-N
SEL 427	DOR41xXAN112																	M-N
SEL 428	DOR41xXAN91																	M-N
SEL 429	DOR41xXAN91																	M-N
SEL 430	DOR41xXAN91																	M-N
SEL 431	DOR41xXAN91																	M-N
SEL 432	DOR41xXAN91																	M-N
SEL 433	DOR41xXAN91																	M-N
SEL 434	DOR41xXAN91																	M-N
SEL 435	DOR41xXAN91																	M-N
SEL 436	DOR41xXAN91																	M-N

Line	Cross	Cult. type	Seed		Days to				VEF				IB				
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB		ALS	Rust	Yr	Ent	YAN
SEL 437	DOR41xXAN91		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 438	DOR41xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 439	DOR41xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 440	DOR41xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 441	DOR41xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 442	DOR41xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 443	DOR41xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 444	DOR41xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 445	BAT304xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 446	BAT304xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 447	BAT304xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 448	BAT304xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 449	BAT304xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 450	BAT304xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 451	BAT304xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 452	BAT304xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 453	BAT304xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 454	BAT304xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 455	BAT304xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 456	BAT304xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 457	BAT304xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 458	BAT304xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 459	BAT304xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 460	BAT304xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 461	BAT304xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 462	BAT304xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 463	BAT304xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 464	BAT304xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 465	G4495xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 466	G4495xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 467	G4495xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 468	G4495xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 469	G4495xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 470	G4495xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 471	G4495xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 472	G4495xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 473	G4495xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 474	G4495xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 475	BAT304xXAN40		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 476	BAT304xXAN40		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 477	BAT304xXAN40		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 478	BAT304xXAN40		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 479	BAT304xXAN40		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 480	BAT304xXAN40		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 481	BAT304xXAN40		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 482	BAT304xXAN40		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 483	BAT304xXAN40		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 484	BAT58xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 485	BAT58xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 486	BAT58xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 487	BAT58xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 488	BAT58xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 489	BAT58xXAN112		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 490	DOR44xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 491	DOR44xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.
SEL 492	DOR44xXAN87		.	.	.	.	.	M-N	.	.	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV							Ent	YAN
SEL 493	DOR44xXAN87															M-N	
SEL 494	DOR44xXAN87															M-N	
SEL 495	DOR44xXAN87															M-N	
SEL 496	DOR44xXAN87															M-N	
SEL 497	DOR44xXAN87															M-N	
SEL 498	DOR44xXAN87															M-N	
SEL 499	DOR44xXAN87															M-N	
SEL 500	DOR44xXAN87															M-N	
SEL 501	DOR44xXAN87															M-N	
SEL 502	DOR44xXAN87															M-N	
SEL 503	DOR44xXAN87															M-N	
SEL 504	DOR44xXAN19															M-N	
SEL 505	DOR44xXAN19															M-N	
SEL 506	DOR44xXAN19															M-N	
SEL 507	DOR44xXAN19															M-N	
SEL 508	DOR44xXAN19															M-N	
SEL 509	DOR44xXAN19															M-N	
SEL 510	DOR44xXAN19															M-N	
SEL 511	XAN112xG4525															M-N	
SEL 512	XAN112xG4525															M-N	
SEL 513	XAN112xG4525															M-N	
SEL 514	XAN112xG4525															M-N	
SEL 515	XAN112xG4525															M-N	
SEL 516	XAN112xG4525															M-N	
SEL 517	XAN112xG4525															M-N	
SEL 518	XAN87xG4525															M-N	
SEL 519	XAN87xG4525															M-N	
SEL 520	XAN87xG4525															M-N	
SEL 521	XAN87xG4525															M-N	
SEL 522	XAN87xG4525															M-N	
SEL 523	XAN87xG4525															M-N	
SEL 524	XAN87xG4525															M-N	
SEL 525	XAN87xG4525															M-N	
SEL 526	XAN87xG4525															M-N	
SEL 527	XAN87xG4525															M-N	
SEL 528	XAN87xG4525															M-N	
SEL 529	XAN87xG4525															M-N	
SEL 530	XAN87xG4525															M-N	
SEL 531	XAN87xG4525															M-N	
SEL 532	XAN87xG4525															M-N	
SEL 533	XAN87xG4525															M-N	
SEL 534	XAN87xG4525															M-N	
SEL 535	XAN87xG4525															M-N	
SEL 536	XAN87xG4525															M-N	
SEL 537	XAN19xG4525															M-N	
SEL 538	XAN19xG4525															M-N	
SEL 539	XAN19xG4525															M-N	
SEL 540	XAN19xG4525															M-N	
SEL 541	XAN19xG4525															M-N	
SEL 542	XAN19xG4525															M-N	
SEL 543	XAN112xDOR15															M-N	
SEL 544	XAN112xDOR15															M-N	
SEL 545	XAN112xDOR15															M-N	
SEL 546	XAN112xDOR15															M-N	
SEL 547	XAN112xDOR15															M-N	
SEL 548	XAN112xDOR15															M-N	

Line	Cross	Cult. type	Seed			Days to			BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot								Ent	YAN
SEL 549	XAN112xDOR15		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 550	XAN112xDOR15		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 551	XAN112xDOR15		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 552	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 553	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 554	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 555	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 556	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 557	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 558	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 559	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 560	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 561	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 562	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 563	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 564	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 565	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 566	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 567	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 568	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 569	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 570	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 571	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 572	DOR44xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 573	DOR42xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 574	DOR42xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 575	DOR42xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 576	DOR42xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 577	DOR42xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 578	DOR42xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 579	DOR42xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 580	DOR42xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 581	DOR42xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 582	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 583	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 584	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 585	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 586	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 587	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 588	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 589	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 590	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 591	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 592	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 593	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 594	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 595	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 596	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 597	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 598	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 599	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 600	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 601	DOR60xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 602	DOR41xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 603	G4495xXAN112		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.
SEL 604	XAN87xG4525		.	.	.	.	.	.	M-N	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV							Ent	YAN
SEL 605	DOR60xXAN112															M-N	
SEL 606	XAN112xSEL583															M-N	
SEL 607	XAN112xSEL585															M-N	
SEL 608	XAN112xSEL586															M-N	
SEL 609	XAN112xSEL586															M-N	
SEL 610	XAN112xSEL590															M-N	
SEL 611	XAN112xSEL591															M-N	
SEL 612	DOR60xSEL597															M-N	
SEL 613	DOR60xSEL601															M-N	
SEL 614	XAN112xSEL418															M-N	
SEL 615	XAN112xSEL421															M-N	
SEL 616	XAN112xSEL421															M-N	
SEL 617	XAN112xSEL421															M-N	
SEL 618	XAN112xSEL424															M-N	
SEL 619	XAN112xSEL427															M-N	
SEL 620	XAN112xSEL653															M-N	
SEL 621	XAN112xSEL554															M-N	
SEL 622	XAN112xSEL559															M-N	
SEL 623	DOR44xSEL560															M-N	
SEL 624	DOR44xSEL562															M-N	
SEL 625	DOR41xSEL435															M-N	
SEL 626	BAT58xSEL484															M-N	
SEL 627	BAT58xSEL484															M-N	
SEL 628	BAT58xSEL484															M-N	
SEL 629	BAT58xSEL484															M-N	
SEL 630	BAT58xSEL484															M-N	
SEL 631	BAT58xSEL484															M-N	
SEL 632	BAT58xSEL485															M-N	
SEL 633	BAT58xSEL487															M-N	
SEL 634	BAT58xSEL487															M-N	
SEL 635	BAT58xSEL487															M-N	
SEL 636	DOR44xSEL491															M-N	
SEL 637	DOR44xSEL491															M-N	
SEL 638	DOR44xSEL497															M-N	
SEL 639	BAT304xSEL456															M-N	
SEL 640	BAT304xSEL456															M-N	
SEL 641	BAT304xSEL476															M-N	
SEL 642	BAT304xSEL476															M-N	
SEL 643	BAT304xSEL476															M-N	
SEL 644	BAT304xSEL476															M-N	
SEL 645	BAT304xSEL476															M-N	
SEL 646	BAT304xSEL476															M-N	
SEL 647	XAN112xSEL550															M-N	
SEL 648	XAN112xSEL550															M-N	
SEL 649	XAN112xSEL544															M-N	
SEL 650	XAN112xSEL544															M-N	
SEL 651	XAN112xSEL546															M-N	
SEL 652	XAN112xSEL546															M-N	
SEL 653	G4495xSEL469															M-N	
SEL 654	G4495xSEL469															M-N	
SEL 655	DOR42xSEL574															M-N	
SEL 656	DOR42xSEL574															M-N	
SEL 657	DOR42xSEL574															M-N	
SEL 658	DOR42xSEL575															M-N	
SEL 659	DOR42xSEL577															M-N	
SEL 660	DOR42xSEL579															M-N	

Line	Cross	Cult. type	Seed col. Wt Hab	Days to Fl Mt Pot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr Ent	VRF	IB YAN
SEL 661	BAT304xSEL453		.	.	.	.	.	.	.	.	.	M-N	.
SEL 662	BAT304xSEL460		.	.	.	.	.	.	.	.	.	M-N	.
SEL 663	BAT304xSEL461		.	.	.	.	.	.	.	.	.	M-N	.
SEL 664	BAT304xSEL461		.	.	.	.	.	.	.	.	.	M-N	.
SEL 665	BAT304xSEL463		.	.	.	.	.	.	.	.	.	M-N	.
SEL 666	BAT304xSEL463		.	.	.	.	.	.	.	.	.	M-N	.
SEL 667	G4525xSEL530		.	.	.	.	.	.	.	.	.	M-N	.
SEL 668	G4525xSEL535		.	.	.	.	.	.	.	.	.	M-N	.
SEL 669	G4525xSEL535		.	.	.	.	.	.	.	.	.	M-N	.
SEL 670	XAN87xSEL519		.	.	.	.	.	.	.	.	.	M-N	.
SEL 671	XAN87xSEL520		.	.	.	.	.	.	.	.	.	M-N	.
SEL 672	XAN19xSEL538		.	.	.	.	.	.	.	.	.	M-N	.
SEL 673	XAN112xSEL511		.	.	.	.	.	.	.	.	.	M-N	.
SEL 674	XAN112xSEL514		.	.	.	.	.	.	.	.	.	M-N	.
SEL 675	XAN112xSEL516		.	.	.	.	.	.	.	.	.	M-N	.
SEL 676	DOR41xSEL441		.	.	.	.	.	.	.	.	.	M-N	.
SEL 677	DOR41xSEL441		.	.	.	.	.	.	.	.	.	M-N	.
SEL 678	BAT304xSEL445		.	.	.	.	.	.	.	.	.	M-N	.
SEL 679	BAT304xSEL445		.	.	.	.	.	.	.	.	.	M-N	.
SEL 680	BAT304xSEL445		.	.	.	.	.	.	.	.	.	M-N	.
SEL 681	BAT304xSEL446		.	.	.	.	.	.	.	.	.	M-N	.
SEL 682	BAT304xSEL446		.	.	.	.	.	.	.	.	.	M-N	.
SEL 683	BAT304xSEL446		.	.	.	.	.	.	.	.	.	M-N	.
SEL 684	BAT304xSEL451		.	.	.	.	.	.	.	.	.	M-N	.
SEL 685	BAT304xSEL451		.	.	.	.	.	.	.	.	.	M-N	.
SEL 686	BAT304xSEL451		.	.	.	.	.	.	.	.	.	M-N	.
SEL 687	JT79-SELECCION		.	.	.	.	.	.	.	.	.	M-N	.
SEL 688	JT78-SELECCION		.	.	.	.	.	.	.	.	.	M-N	.
SEL 689	G11269xG4471		.	.	.	.	.	.	.	.	.	M-N	.
SEL 690	G11269xG4471		.	.	.	.	.	.	.	.	.	M-N	.
SEL 691	G11269xG4471		.	.	.	.	.	.	.	.	.	M-N	.
SEL 692	G11269xG5801		.	.	.	.	.	.	.	.	.	M-N	.
SEL 693	G5874xG11270		.	.	.	.	.	.	.	.	.	M-N	.
SEL 694	G3758xG11270		.	.	.	.	.	.	.	.	.	M-N	.
SEL 695	G3758xG11270		.	.	.	.	.	.	.	.	.	M-N	.
SEL 696	G3758xG11270		.	.	.	.	.	.	.	.	.	M-N	.
SEL 697	DOR44xSEL207		.	.	.	.	.	.	.	.	.	M-N	.
SEL 698	SEL217xBAT1105		.	.	.	.	.	.	.	.	.	M-N	.
SEL 699	SEL242xEMP141		.	.	.	.	.	.	.	.	.	M-N	.
SEL 700	SEL242xEMP141		.	.	.	.	.	.	.	.	.	M-N	.
SEL 701	BAT1511xEMP127		.	.	.	.	.	.	.	.	.	M-N	.
SEL 702	SEL217xBAT1105		.	.	.	.	.	.	.	.	.	M-N	.
SEL 703	A132xEMP105		.	.	.	.	.	.	.	.	.	M-N	.
SEL 704	G17719xA505		.	.	.	.	.	.	.	.	.	M-N	.
SEL 705	G17719xA505		.	.	.	.	.	.	.	.	.	M-N	.
SEL 706	G14024xBAT1230		.	.	.	.	.	.	.	.	.	M-N	.
SEL 707	A176xBAT1344		.	.	.	.	.	.	.	.	.	M-N	.
SEL 708	BAT1222xBAT1325		.	.	.	.	.	.	.	.	.	M-N	.
SEL 709	BAT1324xA159		.	.	.	.	.	.	.	.	.	M-N	.
SEL 710	BAT1324xA159		.	.	.	.	.	.	.	.	.	M-N	.
SEL 711	BAT1324xBAT1299		.	.	.	.	.	.	.	.	.	M-N	.
SEL 712	BAT1324xBAT1299		.	.	.	.	.	.	.	.	.	M-N	.
SEL 713	SEL173xBAT41		.	.	.	.	.	.	.	.	.	M-N	.
SEL 714	SEL173xBAT41		.	.	.	.	.	.	.	.	.	M-N	.
SEL 715	SEL174xBAT1321		.	.	.	.	.	.	.	.	.	M-N	.
SEL 716	BAT883x(G6616xSEL108)		.	.	.	.	.	.	.	.	.	M-N	.

Line	Cross	Cult. type	Seed			Days to			BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot								Ent	YAN
SEL 717	BAT1225xG6401															M-N	
SEL 718	DOR44xSEL563															M-N	
SEL 719	DOR44xSEL564															M-N	
SEL 720	BAT58xSEL484															M-N	
SEL 721	DOR60xSEL601															M-N	
SEL 722	DOR60xSEL601															M-N	
SEL 723	DESCONOCIDO															M-N	
SEL 724	DESCONOCIDO															M-N	
SEL 725	BAT1220xG14026															M-N	
SEL 726	BAT1231xG14026															M-N	
SEL 727	BAT795xG8685															M-N	
SEL 728	BAT1312xG17661															M-N	
SEL 729	BAT1334xG8685															M-N	
SEL 730	BAT448x (BAT897xBAT1155)															M-N	
SEL 731	BAT1474xBAT1336															M-N	
SEL 732	BAT1350xBAT1311															M-N	
SEL 733	BAT1639xBAT1311															M-N	
SEL 734	BAT1350xBAT1338															M-N	
SEL 735	DOR60x (A40xG18244)															M-N	
SEL 736	DOR60x (A40xG18244)															M-N	
SEL 737	G14024xBAT1230															M-N	
SEL 738	G5659xBAT1230															M-N	
SEL 739	G5659xBAT1230															M-N	
SEL 740	G11891xMOC2															M-N	
SEL 741	G11891xMOC2															M-N	
SEL 742	G13567xG17668															M-N	
SEL 743	G13567xG17668															M-N	
SEL 744	G13567xG17668															M-N	
SEL 745	G13567xG17668															M-N	
SEL 746	G13567xG17668															M-N	
SEL 747	G13567xG17668															M-N	
SEL 748	G4090x (G4090xSEL400)															M-N	
SEL 749	BAT1514x (BAT1514xXAN159)															M-N	
SEL 750	BAT1514x (BAT1514xXAN159)															M-N	
SEL 751	G4791xG4399															M-N	
SEL 752	BAT84x (BAT41xBAT93)															M-N	
SEL 753	DOR60xA321															M-N	
SEL 754	G4495xG4791															M-N	
SEL 755	BAT1579xXAN159															M-N	
SEL 756	PAI89xXAN159															M-N	
SEL 757	BAT1223xG11891															M-N	
SEL 758	DOR164x (XAN90xBAT1339)															M-N	
SEL 759	G5724xG6616															M-N	
SEL 760	BAT825xBAT93															M-N	
SEL 761	G5896xBAT1230															M-N	
SEL 762	BAT1324xBAT1344															M-N	
SEL 763	BAT1555xG5707															M-N	
SEL 764	SEL373xG17668															M-N	
SEL 765	(CAN14xG5896) x (SEL371xG17668)															M-N	
SEL 766	G76xG13094															M-N	
SEL 767	G18345xG4460															M-N	
SEL 768	SEL262xBAT1429															M-N	
SEL 769	G13567xG17668															M-N	
SEL 770	BAT1324xG17668															M-N	
SEL 771	BAT1223xG11891															M-N	
SEL 772	G13567xG17668															M-N	

Line	Cross	Cult. type	Seed			Days to				VEF	IB							
			col.	Wt	Hab	Fl	Mt	Fot	BCMV			Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
SEL 829	SEL315xRIZ54									M-N								
SEL 830	SEL316xBAT76									M-N								
SEL 831	SEL347xSEL335									M-N								
SEL 832	SEL346xSEL330									M-N								
SEL 833	SEL329xSEL350									M-N								
SEL 834	BAT1645xBAT93									M-N								
SEL 835	A359xSEL305									M-N								
SEL 836	SEL351xSEL335									M-N								
SEL 837	SEL309xSEL286									M-N								
SEL 838	RAB56xG3578									M-N								
SEL 839	RAB56xG8142									M-N								
SEL 840	RAO30xG13614									M-N								
SEL 841	RAO30xG13614									M-N								
SEL 842	XAN133xBAT1708									M-N								
SEL 843	SEL174xBAT841									M-N								
SEL 844	A157xG17715									M-N								
SEL 845	A505xBAT1387									M-N								
SEL 846	G13920x(G13920x(G13920xXAN159))									M-N								
SEL 847	PAI9xXAN159									M-N								
SEL 848	G4791xG17669									M-N								
SEL 849	BAT1386x(BAT1386x(BAT1386xSEL687))									M-N								
SEL 850	G4495xG4399									M-N								
SEL 851	BAT1386x(XAN159x(SEL365xBAT1386))									M-N								
SEL 852	G4090x(G4090x(G4090xSEL405))									M-N								
SEL 853	G4090x(G4090x(G4090xSEL405))									M-N								
SEL 854	BAT1386x(XAN159x(SEL365xBAT1386))									M-N								
SEL 855	(BAT1407xBAT1579)x(BAT1258xPAI42)									M-N								
SEL 856	(XAN43xBAT1274)x(XAN43xBAT1579)									M-N								
SEL 857	G18258xPAD2									M-N								
SEL 858	G18258xPAD2									M-N								
SEL 859	(XAN43xBAT1274)x(XAN43xBAT1579)									M-N								
SEL 860	(XAN137xBAT1412)x(G17722xBAT1407)									M-N								
SEL 861	DOR202xG18269									M-N								
SEL 862	EMP105x(RAB39xBAT41)									M-N								
SEL 863	G14026xSEL269									M-N								
SEL 864	G6616xG17668									M-N								
SEL 865	G13567xG17668									M-N								
SEL 866	G13567xG17668									M-N								
SEL 867	BAT1258xBAT1274									M-N								
SEL 868	G6616x(G6616xXAN160)									M-N								
SEL 869	BAT1386x(BAT1386x(BAT1386xSEL687))									M-N								
SEL 870	G6616x(G6616x(G6616xXAN160))									M-N								
SEL 871	PAI89xXAN159									M-N								
SEL 872	A237x(XAN112xG3627)									M-N								
SEL 873	(A28xIN26)xBAT448									M-N								
SEL 874	EMP86xBAT1198									M-N								
SEL 875	RAB205xRAB145									M-N								
SEL 876	RAB205xRAB145									M-N								
SEL 877	RAB205xBAT1501									M-N								
SEL 878	BAT38xXAN90									M-N								
SEL 879	RAO33xXAN90									M-N								
SEL 880	RAB258xXAN90									M-N								
SEL 881	RAB258xXAN90									M-N								
SEL 882	BAT41xXAN90									M-N								
SEL 883	RAB63xXAN90									M-N								
SEL 884	BAT1774xA67									M-N								

Line	Cross	Cult. type	Seed col. Wt Hab	Days to Fl Mt Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
SEL 885	A429xRAB56												M-N
SEL 886	DOR125xPAI66												M-N
SEL 887	DOR125xPAI66												M-N
SEL 888	A429xRAO30												M-N
SEL 889	A429xRAO30												M-N
SEL 890	(XAN137xBAT1412) x (G17722xBAT1345)												M-N
SEL 891	G18258xPAD2												M-N
SEL 892	G13567xG17668												M-N
SEL 893	G13567xG17668												M-N
SEL 894	A126xG17712												M-N
SEL 895	DOR198xBAT1412												M-N
SEL 896	(XAN137xBAT1412) x (G17722xBAT1345)												M-N
SEL 897	(BAT1407xBAT1579) x (XAN137xBAT1412)												M-N
SEL 898	G18252xXAN91												M-N
SEL 899	DOR44xSEL719												M-N
SEL 900	DOR15xSEL720												M-N
SEL 901	G4525xSEL719												M-N
SEL 902	G4495xSEL718												M-N
SEL 903	DOR290xXAN112												M-N
SEL 904	XAN112xG4142												M-N
SEL 905	RAB166xBAT1630												M-N
SEL 906	G4495xG4791												M-N
SEL 907	PAI113xXAN90												M-N
SEL 908	BAT1113xG8685												M-N
SEL 909	RAB58xRAB145												M-N
SEL 910	DOR44xSEL722												M-N
SEL 911	BAT58xSEL718												M-N
SEL 912	BAT58xSEL723												M-N
SEL 913	RAB58xBAT1501												M-N
SEL 914	G4791xBAT1113												M-N
SEL 915	G14913xSEL747												M-N
SEL 916	BAT271xA59												M-N
SEL 917	DOR370xG5733												M-N
SEL 918	DOR366xG5733												M-N
SEL 919	DOR371xG5733												M-N
SEL 920	G4090x (G4090x (G4090xRAB56))												M-N
SEL 921	G4090x (G4090x (G4090xRAB56))												M-N
SEL 922	G4090x (G4090x (G4090xRAB56))												M-N
SEL 923	G4090x (G4090x (G4090xRAB49))												M-N
SEL 924	G4090x (G4090x (G4090xRAB49))												M-N
SEL 925	DOR164x (SEL273xBAT1514)												M-N
SEL 926	DOR164x (BAT1489xXAN58)												M-N
SEL 927	G18258xPAD2												M-N
SEL 928	DOR15xSEL648												M-N
SEL 929	XAN236xBAT1192												M-N
SEL 930	XAN236xBAT1192												M-N
SEL 931	XAN236xBAT1192												M-N
SEL 932	XAN236xBAT1192												M-N
SEL 933	BAT1500x (XAN143xA364)												M-N
SEL 934	BAT1500x (XAN143xA364)												M-N
SEL 935	BAT1500x (XAN143xA364)												M-N
SEL 936	BAT1500x (XAN143xA364)												M-N
SEL 937	XAN236x (BAT496xXAN143)												M-N
SEL 938	XAN236x (BAT496xXAN143)												M-N
SEL 939	XAN236x (BAT496xXAN143)												M-N
SEL 940	XAN236x (BAT496xXAN143)												M-N

Line	Cross	Cult. type	Seed			Days to					VEF	IB					
			col.	Wt	Hab	F1	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
SEL 941	XAN236x (BAT496xXAN143)																M-N
SEL 942	XAN236x (BAT496xXAN143)																M-N
SEL 943	XAN236x (BAT496xXAN143)																M-N
SEL 944	XAN236x (BAT496xXAN143)																M-N
SEL 945	XAN236x (BAT496xXAN143)																M-N
SEL 946	XAN236x (BAT496xXAN143)																M-N
SEL 947	XAN236x (BAT496xXAN143)																M-N
SEL 948	G4822x (G4822x (G4822xRAO17))																M-N
SEL 949	G4822x (G4822x (G4822xRAO17))																M-N
SEL 950	IN66x (IN66x (IN66xRAO38))																M-N
SEL 951	G21955xRAO38																M-N
SEL 952	IN68xRAO38																M-N
SEL 953	IN65x (IN65x (IN65xRAO38))																M-N
SEL 954	IN68xRAO38																M-N
SEL 955	IN68xRAO38																M-N
SEL 956	IN68x (IN68x (IN68xRAO38))																M-N
SEL 957	IN68x (IN68x (IN68xRAO38))																M-N
SEL 958	DOR367xDOR365																M-N
SEL 959	DOR367x (DOR365xIN100)																M-N
SEL 960	BAT1500x (MCD2004xBAT1500)																M-N
SEL 961	RAO3x (RAO3xRAB204)																M-N
SEL 962	XAN236x (BAT496xXAN143)																M-N
SEL 963	XAN236x (BAT496xXAN143)																M-N
SEL 964	G4090x (G4090x (G4090xRAB56))																M-N
SEL 965	RAB56xG13602																M-N
SEL 966	RAB56xG13614																M-N
SEL 967	RAB56xG13614																M-N
SEL 968	RAB34xG13614																M-N
SEL 969	RAB113xG13614																M-N
SEL 970	MCD2004xG17722																M-N
SEL 971	G5659xSEL738																M-N
SEL 972	IN96x (IN96x (IN96xSEL744))																M-N
SEL 973	G18264x (G18264x (G18264xPAD28))																M-N
SEL 974	G14027x (G14027x (G14027xRAB49))																M-N
SEL 975	G17661x (G17661x (G17661xRAB49))																M-N
SEL 976	G18452x (G18452x (G18452xRAO33))																M-N
SEL 977	G18456x (G18456x (G18456xRAO33))																M-N
SEL 978	RAO3xG14026																M-N
SEL 979	RAO3xG14026																M-N
SEL 980	BAT930xRAO27																M-N
SEL 981	G14027x (G14027x (G14027xRAB49))																M-N
SEL 982	G18456x (G18456x (G18456xRAO33))																M-N
SEL 983	G14027x (G14027x (G14027xRAB49))																M-N
SEL 984	G18266x (G18266x (G18266xPAD28))																M-N
SEL 985	SEL868xPAD85																M-N
SEL 986	RAB39xXAN90																M-N
SEL 987	SEL868xPAD85																M-N
SEL 988	BAT1500xSEL847																M-N
SEL 989	XAN87xDOR15																M-N
SEL 990	DOR44xXAN112																M-N
SEL 991	BAT1500x (XAN143xA364)																M-N
SEL 992	XAN236x (BAT496xXAN143)																M-N
SEL 993	G18453x (G18453x (G18453xG4495))																M-N
SEL 994	G13920x (G13920x (BAT76xG13920))																M-N
SEL 995	G13920x (G13920x (BAT76xG13920))																M-N
SEL 996	G13920x (G13920x (BAT76xG13920))																M-N

Line	Cross	Cult. type	Seed			Days to			BCMV	Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot								Ent	YAN
SEL 997	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 998	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 999	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1000	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1001	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1002	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1003	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1004	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1005	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1006	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1007	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1008	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1009	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1010	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1011	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1012	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1013	G13920x(G13920x(BAT76xG13920))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1014	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1015	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1016	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1017	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1018	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1019	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1020	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1021	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1022	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1023	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1024	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1025	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1026	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1027	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1028	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1029	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1030	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1031	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1032	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1033	DOR60x(DOR60x(BAT76xDOR60))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1034	G22230xG5847		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1035	G22229xSEL843		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1036	G13094x(SEL380xG13568)		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1037	G22229xSEL843		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1038	CAN20xG18259		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1039	CAN20xG18259		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1040	SEL374xG17668		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1041	CAN36xG5659		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1042	CAN20xG18259		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1043	CAN21xG13094		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1044	CAN20xG18259		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1045	CAN20xG18259		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1046	G22229xSEL843		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1047	G18452x(G18452x(G18452xRAO33))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1048	G4090x(G4090x(G4090xRAB49))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1049	G18264x(G18264x(G18264xPAD28))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1050	IN64x(IN64x(IN64xPVA567))		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1051	MCD2004xA251		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.
SEL 1052	(BAT85x(A338xG5054))x(A252x...		.	.	.	.	.	.	.	.	.	.	.	.	.	M-N	.

Line	Cross	Cult. type	Seed			Days to					VEF	IB					
			col.	Wt	Hab	F1	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
SEL 1109	IN136x(IN136xMCD2004)																M-N
SEL 1110	IN136x(IN136xMCD2004)																M-N
SEL 1111	IN136x(IN136xMCD2004)																M-N
SEL 1112	IN136x(IN136xMCD2004)																M-N
SEL 1113	G18448x(G18448xMCD2004)																M-N
SEL 1114	G18448x(G18448xMCD2004)																M-N
SEL 1115	G18448x(G18448xMCD2004)																M-N
SEL 1116	G18448x(G18448xMCD2004)																M-N
SEL 1117	G18448x(G18448xMCD2004)																M-N
SEL 1118	G18448x(G18448xMCD2004)																M-N
SEL 1119	G18448x(G18448xMCD2004)																M-N
SEL 1120	G18448x(G18448xMCD2004)																M-N
SEL 1121	G18448x(G18448xMCD2004)																M-N
SEL 1122	G18448x(G18448xMCD2004)																M-N
SEL 1123	IN137x(IN137xMCD2004)																M-N
SEL 1124	IN137x(IN137xMCD2004)																M-N
SEL 1125	IN137x(IN137xMCD2004)																M-N
SEL 1126	IN137x(IN137xMCD2004)																M-N
SEL 1127	IN137x(IN137xMCD2004)																M-N
SEL 1128	IN137x(IN137xMCD2004)																M-N
SEL 1129	G18457x(G18457xMCD2004)																M-N
SEL 1130	G18457x(G18457xMCD2004)																M-N
SEL 1131	IN140x(IN140xMCD2004)																M-N
SEL 1132	IN140x(IN140xMCD2004)																M-N
SEL 1133	IN140x(IN140xMCD2004)																M-N
SEL 1134	IN140x(IN140xMCD2004)																M-N
SEL 1135	IN140x(IN140xMCD2004)																M-N
SEL 1136	IN140x(IN140xMCD2004)																M-N
SEL 1137	IN140x(IN140xMCD2004)																M-N
SEL 1138	IN140x(IN140xMCD2004)																M-N
SEL 1139	IN140x(IN140xMCD2004)																M-N
SEL 1140	IN140x(IN140xMCD2004)																M-N
SEL 1141	IN140x(IN140xMCD2004)																M-N
SEL 1142	IN140x(IN140xMCD2004)																M-N
SEL 1143	XAN236xBAT1192																M-N
SEL 1144	SEL953xA686																M-N
SEL 1145	G13595xSEL972																M-N
SEL 1146	SEL954xA682																M-N
SEL 1147	(BAT1647xBAT1432)x(BAT1258xXAN40)																M-N
SEL 1148	A429xG17649																M-N
SEL 1149	A429xDOR44																M-N
SEL 1150	DOR41xXAN112																M-N
SEL 1151	BAT304xDOR60																M-N
SEL 1152	SEL755x(A251xAPN18)																M-N
SEL 1153	G4830x(G4830x(G4830xA227))																M-N
SEL 1154	BAT75x(BAT75x(BAT75x(G4821x...																M-N
SEL 1155	G4830x(G4830x(G4830xA227))																M-N
SEL 1156	BAT160x(BAT160x(BAT160xRAB49))																M-N
SEL 1157	BAT1191x(BAT1191x(BAT1191x(BAT496x...																M-N
SEL 1158	IN130x(IN130x(IN130x(A227x...																M-N
SEL 1159	BAT271x(BAT271x(BAT271xBAT496))																M-N
SEL 1160	BAT1470x(BAT1470x(BAT1470xBAT496))																M-N
SEL 1161	RAB49xRAO29																M-N
SEL 1162	BAT75x(BAT75x(BAT75xRAB49))																M-N
SEL 1163	BAT75x(BAT75x(BAT75x(G4821x...																M-N
SEL 1164	BAT160x(BAT160x(BAT160xRAB49))																M-N

Line	Cross	Cult. type	Seed			Days to				VEF	IB										
			col.	Wt	Hab	Fl	Mt	Fot	BCMV			Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN		
SEL 1165	BAT160x(BAT160x(BAT160xRAB49))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1166	BAT64x(BAT64x(BAT64xA252))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1167	BAT1467x(BAT1467x(BAT1467xA252))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1168	BAT304x(BAT304x(DOR62x(DOR62x...		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1169	EMP84x(EMP84x(EMP84xBAT1500))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1170	BAT1467x(BAT1467x(BAT1467xA252))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1171	BAT1191x(BAT1191x(BAT1191xRAB49))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1172	IN100x(IN100x(IN100xA252))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1173	EMP84x(EMP84x(EMP84xBAT1500))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1174	SEL950xDOR370		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1175	G4830x(G4830x(G4830xA227))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1176	BAT75x(BAT75x(BAT75xA252))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1177	G3017x(G3017x(G3017xG18460))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1178	G3017x(G3017x(G3017xG18460))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1179	G3017x(G3017x(G3017xG18460))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1180	G3017x(G3017x(G3017xG18460))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1181	G3017x(G3017x(G3017xG18460))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1182	G3017x(G3017x(G3017xG18460))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1183	G3017x(G3017x(G3017xG18460))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1184	G3017x(G3017x(G3017xG18460))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1185	G3017x(G3017x(G3017xG18460))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1186	G3017x(G3017x(G3017xG18460))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1187	G4830x(G4830x(G4830xA227))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1188	BAT1191x(BAT1191x(BAT1191x(BAT496x...		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1189	BAT75x(BAT75x(BAT75x(G4821x...		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1190	MUS47x(MUS47x(MUS47x(BAT76x(...		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1191	BAT64x(BAT64x(BAT64xA252))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1192	BAT1500x(BAT1647xAPN18)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1193	MCD2004x(IN130x(IN130x(A227x...		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1194	MCD2004x(IN104x(IN130x(A227x...		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1195	G5270xNAG20		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1196	BAT1554xNAG20		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1197	NAG181x(BAT1474xG5270)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1198	SEL729xBAT1554		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1199	BAT24xBAT1554		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1200	DOR364x(SEL809xDOR364)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1201	XAN91xSEL946		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1202	G5909xDOR308		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1203	MCD2004x(IN130x(IN130x(A227x...		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1204	APN84x(RAB42xG17722)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1205	SEL755x(A251xAPN18)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1206	XAN253xSEL943		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1207	RAB205xRAB310		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1208	SEL868xPAD85		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1209	SEL868xPAD85		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1210	G6507xSEL858		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1211	G11826x(SEL973xG5167)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1212	G11826x(SEL973xG5167)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1213	G11826x(SEL973xG5167)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1214	SEL985xAFR244		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1215	SEL987xAFR244		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1216	SEL987xAFR244		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1217	SEL987xAFR244		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1218	G9168xSEL973		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1219	AFR244x(SEL984xG11826)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1220	SEL985x(SEL985xAFR244)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to				VEF				IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS		Rust	Yr	Ent	YAN
SEL 1221	G13595x(G13595x(G13595xSEL972))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1222	SEL971xSEL972		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1223	CAN93xG5167		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1224	SEL1039xG6507		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1225	G5733xSEL918		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1226	IN102xG3916		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1227	IN102xG6772		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1228	G5911xXAN236		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1229	DOR308xXAN236		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1230	MCD2004xXAN263		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1231	SEL986xXAN263		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1232	SEL973xSEL987		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1233	G5911xXAN236		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1234	G6097xXAN236		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1235	(SEL954xA682)x(XAN91xSEL934)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1236	SEL931xDOR308		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1237	BAT1629xNAG20		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1238	MUS70xMUS80		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1239	MUS70xRAO27		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1240	IN140xSEL1131		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1241	IN140xSEL1131		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1242	SEL953xDOR364		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1243	SEL957xDOR364		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1244	NAG181x(BAT1474xG5270)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1245	BAT1489xRAB204		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1246	AFR85x(SEL973xAFR85)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1247	SEL948xA686		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1248	SEL950xDOR364		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1249	SEL954xSEL958		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1250	SEL954xSEL958		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1251	SEL954xA750		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1252	EMP84x(EMP84x(EMP84xBAT1500))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1253	EMP117x(EMP117x(EMP117xA338))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1254	BAT1500x(G18460x(BAT451x(RAB49x...))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1255	SEL930xSEL943		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1256	G5909xXAN236		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1257	G18252xG18479		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1258	XAN236xSEL847		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1259	BAT1192xSEL813		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1260	G18264x(G18264x(G18264xG18527))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1261	SEL392xG13094		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1262	G18269xSEL892		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1263	G13595xSEL972		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1264	G18269x(G18269xCAN36)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1265	G11891x(G11891x(G11891xCAN20))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1266	G18269x(G18269xCAN36)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1267	G11891x(G11891x(G11891xCAN20))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1268	G11891x(G11891x(G11891xCAN20))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1269	G17661x(G17661x(G17661xRAB49))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1270	G14027x(G14027x(G14027xRAB49))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1271	BAT304xG15416		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1272	BAT271x(BAT271x(BAT271xBAT496))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1273	MCD2004x(IN104x(EMP84x(A227x...))		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1274	DOR364x(G4017xG6384)		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1275	(DOR365xIN100)xG17682		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
SEL 1276	NAC5xBAT58		.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

Line	Cross	Cult. type	Seed			Days to					VEF	IB					
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp			Ant	CBE	ALS	Rust	Yr	Ent	YAN
SEL 1277	G18252xDOR364																M-N
SEL 1278	G18252x(G18460x(IN134x(RAB49x...																M-N
SEL 1279	IN206x(A475xIN207)																M-N
SEL 1280	BAT304x(BAT304x(BAT304xA483))																M-N
SEL 1281	G13920x(G13920x(G13920xG984))																M-N
SEL 1282	SEL949xDOR364																M-N
SEL 1283	RAB508x(MOC58xG19642)																M-N
SEL 1284	MCD2004xKAN253																M-N
SEL 1285	MCD2004xKAN253																M-N
SEL 1286	SEL930xDOR308																M-N
SEL 1287	MOC61xKAN263																M-N
SEL 1288	SEL986xKAN263																M-N
SEL 1289	SEL986xKAN263																M-N
SEL 1290	DOR308xKAN236																M-N
SEL 1291	IN102xG6772																M-N
SEL 1292	SEL1152x(RAB495x(RAB292xG6385))																M-N
SEL 1293	SEL960xDOR370																M-N
SEL 1294	SEL948xSEL961																M-N
SEL 1295	DOR364xA686																M-N
SEL 1296	DOR364xA686																M-N
SEL 1297	DOR364xA686																M-N
SEL 1298	G17722xRAB502																M-N
SEL 1299	BAT477xRAB56																M-N
SEL 1300	BAT477xRAB56																M-N
SEL 1301	BAT477xRAB56																M-N
SEL 1302	BAT477xRAB56																M-N
SEL 1303	BAT477xRAB56																M-N
SEL 1304	APN93xG3017																M-N
SEL 1305	(KAN226xMUS46)x(G18252x(G13920x(...																M-N
SEL 1306	(KAN226xMUS46)x(G18252x(G13920x(...																M-N
SEL 1307	(MOC54xSEL961)x(XAN253xSEL943)																M-N
SEL 1308	G13920x(G13920x(G13920xG2333))																M-N
SEL 1309	SEL1152x(RAB489x(A686xG6385))																M-N
SEL 1310	SEL1152x(RAB489x(A686xG6385))																M-N
SEL 1311	BAT75x(BAT75x(BAT75x(G4821x...																M-N
SEL 1312	SEL813x(IN103xIN104)																M-N
SEL 1313	BAT1500x(IN104x(IN130x(A227x...																M-N
SEL 1314	RAB404xBAT1647																M-N
SEL 1315	G18252xG18479																M-N
SEL 1316	IN266x(IN266x(IN266xMCD2004))																M-N
SEL 1317	IN266x(IN266x(IN266xMCD2004))																M-N
SEL 1318	IN266x(IN266x(IN266xMCD2004))																M-N
SEL 1319	IN136xSEL1110																M-N
SEL 1320	G18457xSEL1129																M-N
SEL 1321	IN136x(IN136xMCD2004)																M-N
SEL 1322	RAO34xBAT1554																M-N
SEQ 1	APETITOxBAT12224	MULATINHO	2	21	2	35	69	1	N		8	7	7	4			92-229
SEQ 2	BAT477xAPETITO	MULATINHO	2	24	2B	33	72	2	N		1	7	7	3			92-230
SEQ 3	BAT477xBYORIOGRANDE	MULATINHO	2	21	3	35	72	1	N		8	7	8	4			92-231
SEQ 4	BAT477xDURANGO222	MULATINHO	2	30	3	30	69	3	N		1	8	7	6			92-232
SEQ 5	BAT477xDURANGO222	MULATINHO	2	27	3	31	69	1	M-N		1	7	7	7			92-233
SEQ 6	BAT477xDURANGO222	MULATINHO	2	25	3	34	73	4	M-N		3	6	6	6			92-234
SEQ 7	BAT477xSCRISTOBAL83	POMPADOUR	7M	26	2A	33	70	3	N		8	7	7	6			92-661
SEQ 8	BAT477xSCRISTOBAL83	MULATINHO	2	28	2A	35	80	1	N		7	7	6	4			92-235
SEQ 9	BAT477xSCRISTOBAL83	MULATINHO	2	26	2A	33	71	3	N		8	8	7	5			92-236
SEQ 10	BAT477xSCRISTOBAL83	POMPADOUR	6M	22	2	32	66	1	N		8	7	4	7			92-506

Line	Cross	Cult. type	Seed			Days to							VRF	IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
SEQ	11	BAT477xSCRISTOBAL83	POMPADOUR	6M	22	2	32	66	1	N	.	7	7	3	4	92-507	
SEQ	12	BAT477xV8025	MULATINHO	2	19	2B	32	68	1	N	.	7	8	5	3	92-237	
SEQ	13	BAT477xV8025	NEGRO	8	19	2B	38	72	1	N	.	5	7	3	6	92-756	
SEQ	14	BAT477xV8025	MULATINHO	2	21	2A	36	72	1	N	.	8	6	8	6	92-238	
SEQ	15	G4830xDURANGO222	MULATINHO	2	23	2A	36	71	1	N	.	8	7	7	5	92-239	
SEQ	16	G4830xDURANGO222	MULATINHO	2	22	2A	36	69	1	N	.	7	7	5	6	92-240	
SEQ	17	SCRISTOBAL83xAPETITO	BAYO MEXICANO	2	26	2A	34	75	4	M	.	6	7	8	3	92-172	
SEQ	18	SCRISTOBAL83xAPETITO	POMPADOUR	6M	26	2	34	71	4	N	.	6	7	7	4	92-508	
SEQ	19	SCRISTOBAL83xBYOCRIOLLOLL	GARBANCILLO	3	28	3	33	66	7	M	.	5	6	7	4	92-352	
SEQ	20	SCRISTOBAL83xBYOCRIOLLOLL	GARBANCILLO	3	28	2B	33	74	3	N	.	6	7	7	4	92-353	
SEQ	21	SCRISTOBAL83xBYOCRIOLLOLL	GARBANCILLO	3	26	2B	35	74	3	M	.	3	6	7	5	92-354	
SEQ	22	SCRISTOBAL83xBYORIOGRANDE	GARBANCILLO	3	24	2A	36	72	4	N	.	4	8	7	7	92-355	
SEQ	23	SCRISTOBAL83xBAT1224	CARIOCA	2J	25	2A	34	69	2	N	.	8	8	.	4	92-193	
SEQ	24	SCRISTOBAL83xBAT1224	CARIOCA	2J	27	2A	34	74	1	N	.	8	7	8	5	92-194	
SEQ	25	SCRISTOBAL83xBAT1224	CARIOCA	2J	26	2A	34	74	1	N	.	8	7	7	5	92-195	
SEQ	26	SCRISTOBAL83xBAT1224	CARIOCA	2J	29	2A	34	73	1	N	.	8	8	8	6	92-196	
SEQ	27	SCRISTOBAL83xDURANGO222	POMPADOUR	6M	33	2A	33	67	3	M	.	6	7	6	6	92-509	
SEQ	28	SCRISTOBAL83xDURANGO222	MULATINHO	2	30	2B	30	69	.	N	.	7	7	7	5	92-241	
SEQ	29	V8025xG4830	NEGRO	8	20	2B	39	74	.	N	.	7	7	3	5	92-757	
SEQ	30	V8025xG4830	NEGRO	8	18	2B	32	69	.	N	.	5	6	6	5	92-758	
SEQ	31	V8025xG4830	NEGRO	8	17	2A	38	72	.	N	.	7	7	5	4	92-759	
SEQ	32	V8025xG4830	NEGRO	8	22	2A	36	72	.	N	.	7	7	6	7	92-760	
SUG	1	G4494xG14013	CRANBERRY	2M	34	1	35	71	.	N	.	7	7	5	2	87-257	
SUG	2	G14016xG14013	CRANBERRY	2M	29	12	34	71	3	N	8	7	6	7	4	87-258	
SUG	3	PVA1028xVRA81003	CRANBERRY	2M	33	1	33	67	.	N	.	8	7	6	3	87-259	
SUG	4	PVA1028xVRA81003	CRANBERRY	2M	34	1	33	65	.	N	.	8	8	6	4	87-260	
SUG	5	G20555xA484	CRANBERRY	2M	40	1	33	65	.	N	.	2	7	7	4	87-261	
SUG	6	G515xXAN43	CRANBERRY	2M	38	2B	33	65	.	N	.	5	7	7	3	87-262	
SUG	7	PVA1028xVRA81003	CRANBERRY	2M	34	1	34	64	.	N	.	8	7	6	3	87-263	
SUG	8	PVA1028xBAT1620	CRANBERRY	2M	33	1	34	64	.	N	.	8	7	6	3	87-264	
SUG	9	BAT1769xA483	CRANBERRY	2M	33	2	37	71	7	N	9	2	7	7	4	87-265	
SUG	10	G4026xA117	CRANBERRY	2M	43	2B	34	69	.	N	.	7	7	6	3	87-266	
SUG	11	G4026xA117	CRANBERRY	2M	45	2B	33	67	.	N	.	8	7	7	6	87-267	
SUG	12	G4026xA117	CRANBERRY	2M	45	2B	34	67	.	N	.	7	7	6	5	87-268	
SUG	13	G13494xG22090	CRANBERRY	2M	51	1	31	58	4	N	9	8	7	7	4	87-269	
SUG	14	G5147xBAT1251	CRANBERRY	2M	41	1	33	61	.	N	.	8	7	7	3	87-270	
SUG	15	G5147xBAT1251	CRANBERRY	2M	39	1	32	61	3	N	8	8	6	7	4	87-271	
SUG	16	G5147xBAT1251	CRANBERRY	2M	33	1	31	58	.	N	.	1	8	7	3	87-272	
SUG	17	G5147xBAT1251	CRANBERRY	2M	42	2B	32	64	5	M	.	4	8	7	3	87-273	
SUG	18	G5167xBAT1387	CRANBERRY	2M	40	1	32	58	3	M	7	6	6	7	3	87-274	89
SUG	19	G6515xBAT1209	CRANBERRY	2M	41	1	32	61	.	M	.	6	7	7	2	87-275	
SUG	20	G6515xBAT1209	CRANBERRY	2M	37	1	32	63	.	M	.	6	7	6	3	87-276	
SUG	21	G6515xBAT1209	CRANBERRY	2M	36	1	32	63	.	M	.	5	7	7	3	87-277	
SUG	22	G5147xBAT1251	CRANBERRY	2M	44	1	32	63	.	M	.	8	8	7	4	87-278	
SUG	23	G5147xBAT1251	CRANBERRY	2M	47	1	33	63	.	M	.	8	7	7	3	87-279	
SUG	24	G5147xBAT1251	CRANBERRY	2M	44	1	33	63	.	M	.	8	7	8	3	87-280	
SUG	25	G11300xA487	CRANBERRY	2M	35	1	29	56	2	M	9	3	7	7	3	87-281	89
SUG	26	G11300xA487	CRANBERRY	2M	36	2	34	63	8	M	.	2	7	6	5	87-282	89
SUG	27	G515xG22090	CRANBERRY	2M	36	2B	34	63	5	M	.	5	7	6	5	87-283	
SUG	28	G515xG22090	CRANBERRY	2M	38	2B	34	63	4	M	8	5	6	6	4	87-284	89
SUG	29	G4826xA191	CRANBERRY	2M	44	2B	34	63	5	M	.	7	7	7	4	87-285	
SUG	30	G6500xA487	CRANBERRY	2M	38	2B	34	65	6	M	.	7	7	6	4	87-286	
SUG	31	G6500xA487	CRANBERRY	2M	36	2A	34	64	5	M	8	7	6	7	3	87-287	89
SUG	32	G5147xBAT1251	CRANBERRY	2M	40	2B	34	66	4	M	9	2	6	6	5	87-288	89
SUG	33	A192xBAT1274	CRANBERRY	2M	54	2B	35	63	.	M	.	7	7	7	4	87-289	
SUG	34	G10229xPVA340	CRANBERRY	2M	39	1	34	76	.	M	.	8	8	5	6	88-194	

Line	Cross	Cult. type	Seed			Days to										VEF Yr Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust			
SUG 35	G6515xG11826	CRANBERRY	2M	40	2B	36	74	.	M	8	8	4	5	5	88-195		
SUG 36	G6515xG11826	CRANBERRY	2M	45	1	33	76	5	M	8	3	5	7	4	88-196		
SUG 37	G515xG21717	CRANBERRY	2M	42	2B	35	76	8	M	8	6	5	7	3	88-197		
SUG 38	G10229xPVA340	CRANBERRY	2M	41	1	31	72	.	M	8	8	5	5	4	88-198		
SUG 39	G23411xPAT5	CRANBERRY	2M	42	1	32	72	7	M	8	2	6	7	4	88-199		
SUG 40	G515xG21717	CRANBERRY	2M	46	2B	33	74	8	M	8	5	6	5	3	88-200		
SUG 41	BAT1486xG76	CRANBERRY	2M	43	2B	36	76	8	M	7	8	5	7	5	88-201		
SUG 42	G515xG21717	CRANBERRY	2M	42	2B	36	76	.	M	8	8	5	6	5	88-202		
SUG 43	G11826xPVA555	CRANBERRY	2M	41	2B	37	76	.	M-N	8	8	5	6	5	88-203		
SUG 44	G6515xG11826	CRANBERRY	2M	47	2B	36	76	.	M	8	7	5	6	5	88-204		
SUG 45	G515xG21717	CRANBERRY	2M	43	2B	34	76	8	M	8	6	5	7	5	88-205		
SUG 46	G6515xBAT1209	CRANBERRY	2M	46	1	33	76	7	M	8	9	7	6	3	88-206		
SUG 47	G4026xA484	CRANBERRY	2M	57	1	33	76	4	M	8	5	6	5	5	88-207		
SUG 48	G4026xA484	CRANBERRY	2M	44	2B	37	76	8	M	7	7	5	7	4	88-208		
SUG 49	G10357xA252	CRANBERRY	2M	43	2B	34	76	.	M	8	7	4	5	5	88-209		
SUG 50	G4826xNY76-2812-15	CRANBERRY	2M	44	2B	34	76	8	M	8	7	5	7	4	88-210		
SUG 51	G13558xBAT1620	CRANBERRY	2M	41	2B	37	76	.	M	8	8	4	6	5	88-211		
SUG 52	G4826xNY76-2812-15	CRANBERRY	2M	43	2B	37	76	.	M	8	8	5	6	5	88-212		
SUG 53	G4826xNY76-2812-15	CRANBERRY	2M	42	2B	36	76	.	M	8	8	4	5	4	88-213		
SUG 54	G6515xXAN43	CRANBERRY	2M	45	2B	36	76	.	M	8	7	5	5	5	88-214		
SUG 55	ICA15423xBAT1620	CRANBERRY	2M	51	1	32	76	4	M	8	5	6	5	5	88-215		
SUG 56	G4026xA484	CRANBERRY	2M	53	1	32	76	4	M	8	3	6	5	5	88-216		
SUG 57	G4026xA484	CRANBERRY	2M	51	1	32	76	4	M	8	3	7	6	5	88-217		
SUG 58	G4026xA484	CRANBERRY	2M	51	1	32	76	4	M	8	3	7	5	5	88-218		
SUG 59	G10357xA252	CRANBERRY	2M	43	2B	36	76	8	M	8	7	5	5	4	88-219		
SUG 60	G10357xA252	CRANBERRY	2M	41	2B	34	76	8	M	8	7	5	5	5	88-220		
SUG 61	G6515xG11826	CRANBERRY	2M	34	2B	35	67	.	M	.	5	7	7	7	89-103		
SUG 62	PVA1438xA486	SUGAR	2M	44	1	35	63	.	M	.	6	5	7	5	89-168		
SUG 63	PVA1438xA486	SUGAR	2M	45	1	35	62	.	M	.	2	4	7	4	89-169		
SUG 64	BAT1769xLIMONE#0-3	SUGAR	2M	39	1	35	67	.	N	.	2	6	6	5	89-166		
SUG 65	(G8108xG24216)x(G8108xBAT1641)	SUGAR	2M	42	2A	33	60	.	M	.	3	6	5	6	89-165		
SUG 66	PVA1387xA129	CRANBERRY	2M	34	1	39	68	.	M	.	2	6	7	3	89-101		
SUG 67	G5728xA483	CRANBERRY	2M	39	2B	40	63	.	M	.	7	.	6	2	89-102		
SUG 68	PVA1438xA486	SUGAR	2M	40	1	35	61	.	M	.	1	5	7	4	89-171		
SUG 69	PVA1438xA486	SUGAR	2M	44	1	35	62	.	M	.	7	.	7	3	89-172		
SUG 70	PVA1438xA486	SUGAR	2M	45	1	35	63	.	M	.	2	5	7	7	89-173		
SUG 71	PVA1438xA486	SUGAR	2M	49	1	34	63	.	M	.	3	7	8	5	89-174		
SUG 72	PVA1438xA486	SUGAR	2M	44	1	34	64	.	M	.	1	4	7	6	89-175		
SUG 73	AFR88xAFR199	SUGAR	2M	51	2B	33	72	6	M	.	6	6	6	6	90-150		
SUG 74	AFR88xAFR82	CRANBERRY	2M	34	2B	33	71	8	M	.	1	6	7	6	90-92		
SUG 75	AFR88xAFR82	CRANBERRY	2M	32	2B	34	71	5	M	.	1	6	7	6	90-93		
SUG 76	AFR86xAFR167	SUGAR	2M	48	2A	33	72	8	M	.	1	6	7	6	90-151		
SUG 77	AFR86xAFR167	SUGAR	2M	43	2A	32	74	8	M	.	1	6	7	6	90-152		
SUG 78	AFR199xAFR84	CRANBERRY	2M	47	2A	35	76	6	M	.	2	5	7	7	90-94		
SUG 79	AFR199xAFR89	CRANBERRY	2M	42	2B	33	70	.	M	.	7	7	8	7	90-95		
SUG 80	AFR185xAFR88	CRANBERRY	2M	35	1	32	69	.	M	.	8	6	7	4	90-96		
SUG 81	XAN122xA114	SUGAR	2M	43	2B	32	68	8	M	.	1	5	7	6	90-153		
SUG 82	XAN122xA114	SUGAR	2M	35	2B	32	68	4	M	.	2	5	7	6	90-154		
SUG 83	XAN122xA114	SUGAR	2M	40	2A	32	68	7	M	.	1	4	7	5	90-155		
SUG 84	PVA5xA486	SUGAR	2M	25	1	32	66	.	M	.	1	6	7	4	90-156		
SUG 85	PVA2280xCOS6	CRANBERRY	2M	34	1	32	75	6	N	.	4	7	7	3	90-97		
SUG 86	AND345xCOS10	CRANBERRY	2M	36	1	32	78	8	N	.	5	7	7	7	90-98		
SUG 87	AND659xCOS6	CRANBERRY	2M	42	1	33	76	7	N	.	5	5	6	6	90-99		
SUG 88	AND660xCOS10	CRANBERRY	2M	25	1	33	66	6	N	.	4	5	7	7	90-100		
SUG 89	AND660xCOS10	CRANBERRY	2M	38	1	35	78	5	N	.	6	5	6	6	90-101		
SUG 90	AFR88xAFR199	CRANBERRY	2M	50	2B	35	77	.	M	.	8	5	7	7	90-102		

Line	Cross	Cult. type	Seed			Days to							VEF		IB YAN	
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent
SUG 91	AFR88xAFR167	CRANBERRY	2M	46	3B	33	70	8	M	.	1	7	7	3	90-103	
SUG 92	AFR86xAFR167	SUGAR	2M	50	3A	32	72	8	M	.	1	6	7	3	90-157	
SUG 93	AFR199xAFR89	CRANBERRY	2M	39	2B	33	74	6	M	.	7	4	7	5	90-104	
SUG 94	AFR199xAFR167	CRANBERRY	2M	41	2B	33	68	8	M	.	4	5	7	7	90-105	
SUG 95	XAN122xA114	SUGAR	2M	42	2B	32	68	5	M	.	1	6	6	4	90-158	
SUG 96	PVA5xA486	SUGAR	2M	39	1	32	68	4	M	.	3	5	5	5	90-159	
SUG 97	XAN122xA114	SUGAR	2M	42	2B	32	68	4	M	.	1	5	3	5	90-160	
SUG 98	AFR84xPVA800A	CRANBERRY	2M	37	2B	35	67	.	N	.	3	7	8	3	91-53	
SUG 99	AFR332xDRK16	SUGAR	2M	49	2A	38	64	.	M	.	1	7	5	3	91-76	
SUG 100	(G21720xZAA55)x(BAT1486xG76)	SUGAR	2M	44	1	35	63	.	M	.	1	6	8	4	91-72	
SUG 101	PVA1384xCAL22	SUGAR	2M	43	2A	38	66	.	M	.	2	7	7	4	91-73	
SUG 102	PVA1384xCAL22	SUGAR	2M	51	2B	38	68	.	M	.	2	7	7	3	91-74	
SUG 103	AFR84xPVA800A	CRANBERRY	2M	45	2B	34	63	.	N	.	4	7	6	3	91-47	
SUG 104	AFR84xPVA800A	CRANBERRY	2M	44	2B	34	63	.	N	.	3	7	7	3	91-48	
SUG 105	AND378xAFR83	CRANBERRY	2M	34	2B	35	64	.	M	.	2	6	8	2	91-49	
SUG 106	SUG26xCAL82	CRANBERRY	2M	51	2B	38	63	.	M	.	6	6	8	3	91-50	
SUG 107	AND378xAFR83	CRANBERRY	2M	37	2B	38	67	.	M	.	5	6	7	4	91-51	
SUG 108	AND378xAFR83	CRANBERRY	2M	35	2B	35	65	.	M	.	1	6	8	3	91-52	
SUG 109	AFR242xAFR332	SUGAR	2M	44	2B	36	64	.	M	.	5	6	8	4	91-75	
SUG 110	SUG26xPVA1384	SUGAR	2M	44	2B	33	69	.	M-N	.	1	7	7	3	92-275	
SUG 111	SUG6x(CRAN28xSUG18)	CRANBERRY	2M	46	2B	33	70	.	M	.	1	5	6	3	92-209	
SUG 112	SUG26xG9975	CRANBERRY	2M	41	2B	33	69	.	M	.	1	7	6	3	92-210	
SUG 113	SUG26xG13329	CRANBERRY	2M	32	2B	33	69	.	M	.	1	6	6	3	92-211	
SUG 114	SUG26xG13329	CRANBERRY	2M	33	2B	33	69	.	M	.	1	6	6	3	92-212	
SUG 115	SUG26xG13329	CRANBERRY	2M	33	2B	33	67	.	M	.	1	6	7	3	92-213	
SUG 116	SUG26xG13329	CRANBERRY	2M	35	2B	33	68	.	M	.	1	6	7	3	92-214	
SUG 117	AFR244xSUG26	CRANBERRY	2M	40	2B	33	69	.	M	.	1	6	5	2	92-215	
SUG 118	AFR244xSUG26	CRANBERRY	2M	40	2B	33	69	.	M	.	1	6	6	3	92-216	
SUG 119	AFR248xSUG17	CRANBERRY	2M	47	2B	34	72	.	M	.	1	7	7	3	92-217	
SUG 120	G11513xBAT1386	CRANBERRY	2M	34	1	30	70	.	M	.	1	7	7	3	92-218	
SUG 121	G4723xCRAN28	CRANBERRY	2M	36	.	35	76	.	N	.	1	6	7	4	92-219	
SUG 122	CRAN28x(BAT477xSUG19)	CRANBERRY	2M	40	1	33	70	.	N	.	1	7	6	2	92-220	
SUG 123	CRAN28x(BAT477xSUG19)	CRANBERRY	2M	43	1	30	68	.	N	.	1	5	5	3	92-221	
SUG 124	G23223x(T299xSUG18)	CRANBERRY	2M	42	1	32	69	.	N	.	1	7	7	4	92-222	
SUG 125	G23223x(T299xSUG18)	CRANBERRY	2M	43	1	33	69	.	N	.	1	7	8	4	92-223	
SUG 126	ICAL64xAND697	SUGAR	2M	48	2A	34	80	.	M	.	6	5	4	4	93-175	
SUG 127	SUG59xDRK16	CRANBERRY	2M	.	.	54	95	.	M	.	6	6	4	4	93-704	
SUG 128	SUG37x(SUG59xAND697)	CRANBERRY	2M	37	2B	33	75	.	M	.	2	5	6	3	93-119	
TAR 1	A252x(RAO12xG1796) F1	ROSINHA	5	27	3	39	76	1	N	.	1	4	7	7	90-199	
TAR 2	A252x(RAO12xG1796) F1	ROSINHA	5	31	3	38	80	8	N	.	4	4	7	5	90-200	
TAR 3	(A329xG18446) F1x(A444x(A483x...	BAYO ANDINO	2	34	3	37	81	8	N	.	1	6	6	5	90-36	
TM 27 H1	DRK5xARGENTINO	RADICAL	6	41	1	35	69	.	M	.	5	7	8	3	91-278	
TM 27 H1H1	DRK5xARGENTINO	RADICAL	6	40	1	35	68	.	M	.	5	7	8	3	91-279	
TM 27 H4H1	DRK5xARGENTINO	RADICAL	6	37	1	35	68	.	M	.	4	7	7	3	91-280	
TM 27 J1J1	DRK5xARGENTINO	RADICAL	6	40	1	33	68	.	M	.	4	7	7	3	91-281	
TM 27 J1J2	DRK5xARGENTINO	RADICAL	6	38	1	34	68	.	M	.	6	7	7	4	91-282	
TM 27 J2J2	DRK5xARGENTINO	RADICAL	6	39	1	35	68	.	M	.	4	7	7	4	91-283	
TM1 C7C1	DRK16xDRK18	SANGRETORO	6	41	2B	34	70	.	M	.	1	6	4	3	92-585	
TM1 C9C1	DRK16xDRK18	SANGRETORO	6	44	2B	30	68	.	M	.	1	7	4	3	92-586	
TM10 CRC1	AND658xDRK18	SANGRETORO	6	38	1	31	68	.	M	.	1	8	5	3	92-587	
TM11D5D2	AND658xARGENTINO	SANGRETORO	6	26	1	33	71	.	M	.	1	6	6	2	92-541	
TM14 D2D1	AND658xCARGABELLO	SANGRETORO	6	29	1	34	67	.	M	.	1	6	6	2	92-588	
TM20G4	AND690xDRK18	CALIMA	6M	36	1	33	68	.	M	.	1	6	6	2	92-410	
TM27G2	DRK5xARGENTINO	SANGRETORO	6	36	1	30	69	.	M	.	1	6	6	3	92-542	
TM3 C5	DRK16xNIMA	SANGRETORO	6	38	1	32	67	.	M	.	1	7	5	2	92-589	
TM3J1J1	DRK16xNIMA	CALIMA	6M	35	2B	33	66	.	M	.	1	7	4	3	92-411	

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VBF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV								
TM3J5	DRK16xNIMA	CALIMA	6M	41	2A	33	70	.	M	.	1	7	3	3	92-412		
TM8H1	DRK18xNIMA	CALIMA	6M	39	1	32	68	.	M	.	1	7	7	3	92-413		
TMBH4H2	DRK18xNIMA	CALIMA	6M	38	1	33	68	.	M	.	1	7	6	2	92-414		
V 78001	G3645xG2115		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78002	G4122xG3736		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78003	G3762xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78004	G3762xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78005	G3762xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78006	G3762xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78007	G3762xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78008	G5710xG3736		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78009	G5710xG3736		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78010	G3130xG3736		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78011	G3130xG3736		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78012	G3130xG3736		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78013	G3130xG3762		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78014	G3130xG3762		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78015	G3130xG3762		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78016	G3130xG3762		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78017	G3130xG3762		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78018	G1813xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78019	G1813xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78020	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78021	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78022	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78023	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78024	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78025	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78026	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78027	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78028	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78029	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78030	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78031	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78032	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78033	G3130xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78034	G2115xG5711		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78035	G1813xG5711		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78036	G1813xG5711		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78037	G3736xG3762		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78038	G3736xG3762		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78039	G3736xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78040	G4122xG3353		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78041	G4122xG3353		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78042	G4122xG3353		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78043	G4122xG3353		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78044	G4122xG3353		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78045	G2540xG4354		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78046	G2540xG4354		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78047	G5711xG3645		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78048	G881xG2540		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 78049	G4421xG3738		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 79001	VVVV34 - SELECCION		4	32	4A	39	83	.	N	5	8	7	9	8	79-535		
V 79002	{G4525xG5683} x {G4122xG5478}	NEGRO	8	21	4A	39	85	.	N	4	8	9	9	8	79-536		
V 79003	G2146xG5711	NEGRO	8	21	4A	39	90	.	N	5	8	9	9	8	79-537		
V 79004	G2146xG5711	NEGRO	8	21	4A	39	95	.	N	5	8	7	9	8	79-538		

Line	Cross	Cult. type	Seed			Days to							VEF Yr Ent	IB YAN		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust
V 79005	G3736xG5652	NEGRO	8	32	4A	39	81	.	N	5	8	9	9	9	79-539	
V 79006	G3736xG5652	NEGRO	8	32	4A	40	81	.	N	4	8	9	9	8	79-540	
V 79007	G3736xG5652	NEGRO	8	32	4A	39	83	.	N	5	8	9	9	8	79-541	
V 79008	G3736xG5652	NEGRO	8	32	4A	39	81	.	N	6	8	7	9	8	79-542	
V 79009	G3736xG2472	NEGRO	8	32	4A	39	85	.	N	5	5	7	9	8	79-543	
V 79010	G3736xG5653		5	32	4A	35	81	.	N	5	2	7	5	5	79-544	
V 79011	G2525xG5702		2	21	4B	46	95	.	N	5	5	7	9	5	79-545	
V 79012	G2525xG5702		2	21	4B	46	90	.	N	4	2	9	9	5	79-546	
V 79013	G2525xG5702		2	32	4B	46	90	.	N	5	8	9	9	9	79-547	
V 79014	G2525xG5702		2	21	4A	46	90	.	N	6	8	9	9	9	79-548	
V 79015	G3913xG5653		6	32	3B	35	70	.	M	7	5	.	9	9	79-549	
V 79016	G3913xG5653		5	32	4A	40	78	.	M	6	5	9	9	8	79-550	
V 79017	LG18-SELECCION		4	32	4A	37	83	.	N	4	2	9	9	5	79-551	
V 79018	LG17-SELECCION		5	32	4A	39	83	.	N	4	2	9	9	5	79-552	
V 79019	LG16-SELECCION		4	32	4A	39	81	.	N	4	2	9	5	5	79-553	
V 79020	LG15-SELECCION		7	32	4A	40	83	.	N	3	2	9	9	5	79-554	
V 79021	G4122xG5653	NEGRO	8	32	4A	39	81	.	N	7	8	9	9	5	79-555	
V 79022	G4122xG5653	NEGRO	8	32	4A	42	81	.	N	6	8	9	9	5	79-556	
V 79023	G4122xG5653	NEGRO	8	32	4A	39	81	.	N	6	8	9	9	5	79-557	
V 79024	G4122xG5653	NEGRO	8	32	4A	40	81	.	N	6	8	9	9	5	79-558	
V 79025	G4454xG5711	NEGRO	8	32	4A	40	83	.	N	5	8	9	9	5	79-559	
V 79026	G4454xG5711	NEGRO	8	32	4A	40	85	.	N	6	8	9	9	5	79-560	
V 79027	G2525xG3645		2	21	4A	42	81	.	N	4	8	9	9	9	79-561	
V 79028	G2525xG3645	NEGRO	8	21	4A	42	83	.	N	5	8	7	9	8	79-562	
V 79029	G2525xG3645	NEGRO	8	21	4A	42	81	.	N	5	8	9	5	8	79-563	
V 79030	G2525xG3645	NEGRO	8	21	4A	40	81	.	N	5	8	9	9	8	79-564	
V 79031	G3645xG5653	NEGRO	8	21	3B	35	81	.	N	5	5	9	5	5	79-565	
V 79032	G3645xG5653		4	21	4A	37	81	.	N	4	2	9	9	8	79-566	
V 79033	G4495xG5653		4	32	4A	37	81	.	N	5	5	9	9	5	79-567	
V 79034	G3645xG5711	NEGRO	8	21	4A	40	81	.	N	5	8	9	9	8	79-568	
V 79035	G3645xG5711	NEGRO	8	21	4A	37	81	.	N	5	8	9	9	5	79-569	
V 79036	G4495xG5711	NEGRO	8	32	4A	40	81	.	N	5	8	9	9	5	79-570	
V 79037	G4495xG5711	NEGRO	8	32	4A	39	81	.	N	5	8	9	9	5	79-571	
V 79038	G4525xG5711		8	32	4A	39	81	.	N	4	8	7	9	5	79-572	
V 79039	G4525xG5711	NEGRO	8	21	4A	40	81	.	N	4	2	9	9	5	79-573	
V 79040	G3645xG5711	NEGRO	8	32	4A	39	81	.	N	6	8	9	9	9	79-574	
V 79041	G4495xG5711	NEGRO	8	32	4A	39	81	.	N	5	.	9	9	8	79-575	
V 79042	G4495xG5711	NEGRO	8	21	4A	40	81	.	N	5	8	9	5	8	79-576	
V 79043	G4525xG5711	NEGRO	8	32	4A	39	83	.	N	5	5	9	9	8	79-577	
V 79044	G4525xG5711	NEGRO	8	21	4A	39	83	.	N	5	5	9	9	5	79-578	
V 79045	G4525xG5711	NEGRO	8	21	4A	39	83	.	N	4	5	9	9	5	79-579	
V 79046	G3913xG3645	NEGRO	8	21	4A	40	83	.	N	4	8	7	9	8	79-580	
V 79047	G2540xG3353		8	21	4A	39	83	.	N	6	5	9	9	8	79-581	
V 79048	G3913xG4454		6	32	4A	40	95	.	M	7	2	9	9	5	79-582	
V 79049	G3913xG4454		6	21	3B	40	83	.	N	5	2	9	9	5	79-583	
V 79050	(G4495xG5702) xG5702		2	32	4B	42	95	.	M	5	5	7	9	9	79-584	
V 79051	(G4495xG5702) xG5702		2	42	4B	42	95	.	N	5	5	7	5	2	79-585	
V 79052	(G4495xG5702) xG5702		2	42	4B	42	95	.	N	5	2	7	9	5	79-586	
V 79053	(G4495xG5702) xG5702		2	42	4B	42	95	.	N	5	5	7	9	5	79-587	
V 79054	G4461xG2472	NEGRO	8	21	4A	39	83	.	N	4	.	7	9	8	79-588	
V 79055	G2525xG3645		2	21	3B	42	83	.	N	4	8	7	9	5	79-589	
V 79056	G2525xG3645	NEGRO	8	21	3B	42	81	.	N	3	8	7	3	8	79-590	
V 79057	G2525xG3645		2	21	4A	42	83	.	N	4	8	7	9	5	79-591	
V 79058	G4525xG5653		7	21	4A	40	81	.	N	6	.	9	9	5	79-592	
V 79059	G3353xG5711	NEGRO	8	32	4A	40	95	.	N	5	5	7	7	8	79-593	
V 79060	(G4495xG2115xG4495xG5481) x (G3645xG5478xG206		7	21	3B	42	85	.	N	5	8	5	5	8	79-594	

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VBF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV								
V 79061	G1098xG2525								N								
V 79062	G1098xG2525								N								
V 79063	G1098xG2525								N								
V 79064	G1098xG2525								N								
V 79065	G1098xG2525								N								
V 79066	G2327xG3871								N								
V 79067	G2327xG5004								N								
V 79068	G2327xG5004								N								
V 79069	G2327xG5004								N								
V 79070	G2327xG5004								N								
V 79071	G2327xG5004								N								
V 79072	G3352xG2540								N								
V 79073	G3352xG2540								N								
V 79074	G3352xG2540								N								
V 79075	G3352xG2540								N								
V 79076	G3352xG2540								N								
V 79077	G3352xG2540								N								
V 79078	G3352xG2540								N								
V 79079	G3352xG2540								N								
V 79080	G3469xG1365								N								
V 79081	G3469xG1365								N								
V 79082	G5004xG3871								N								
V 79083	G5004xG3871								N								
V 79084	G5004xG3871								N								
V 79085	G5004xG3871								N								
V 79086	G5004xG3871								N								
V 79087	G731xG3469								N								
V 79088	G731xG3469								N								
V 79089	G731xG3469								N								
V 79090	G879xG1253								N								
V 79091	G879xG1253								N								
V 79092	G879xG1253								N								
V 79093	G879xG1365								N								
V 79094	G879xG1365								N								
V 79095	G879xG1365								N								
V 79096	G1052xG3871								N								
V 79097	G1942xG2540								N								
V 79098	G1942xG2540								N								
V 79099	G1942xG2540								N								
V 79100	G1942xG2540								N								
V 79101	G1942xG2540		2	26	4		37		M	9	5	7	1	7	80-119		
V 79102	G3469xG1253		2	26	4		37		N	9	3	9	1	9	80-120		
V 79103	G3469xG1253		4	32	4		35		N	9	3	7	5	5	80-121		
V 79104	G3469xG1253		4	35	4		35		N	9	3	7	1	7	80-122		
V 79105	G3469xG1253		4	33	4		35		N	9	5	7	9	7	80-123		
V 79105	G5694xG3871	NEGRO	8	24	4		40		N	9	7	7	5	9	80-124		
V 79106	G1052xG2540		1	29	4		36		M	9	5	9	1	9	80-125		
V 79107	G2258xG2525		3	33	4		41		N	9	5	9	5	5	80-126		
V 79108	G2258xG2525		3	34	4		38		N	9	7	7	3	3	80-127		
V 79109	G2258xG2525		3	30	4		38		M	9	7	7	7	7	80-128		
V 79110	P797xG5701		6	36	4		37		M	9	3	7	7	7	80-129		
V 79111	P797xG5701		6	41	4		37		M	8	3	7	5	5	80-130		
V 79112	P797xG5701		7	42	4		37		M	9	5	7	7	5	80-131		
V 79113	G2801xG3469		3	34	4		37		M	9	1	7	7	7	80-132		
V 79114	G5701xG685		5	33	4		34		M	9	3	7	5	7	80-133		
V 79115	G5701xG685		7	32	4		36		M	9	3	7	5	9	80-134		
V 79116	G5701xG685		7	23	4		37		M	9	1	9	5	5	80-135		

Line	Cross	Cult. type	Seed			Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF	IB
			col.	Wt	Hab	Fl	Mt	Fot	BCMV							Ent	YAN
V 79117	G2115xG685	NEGRO	8	32	4	35	.	.	M	9	3	9	1	3	80-136		
V 79118	P797xG2525		2	29	4	37	.	.	N	9	.	9	5	7	80-137		
V 79119	G3645xG2115		6	23	4	46	.	.	N	7	1	7	1	5	80-138		
V 79120	G3762xG3738	NEGRO	8	26	4	36	.	.	N	9	7	7	5	9	80-139		
V 80001	G11502xG5711		.	.	.	.	.	.	N	.	.	.	.	.
V 80002	G11502xG5711		.	.	.	.	.	.	N	.	.	.	.	.
V 80003	G11502xG5711		.	.	.	.	.	.	N	.	.	.	.	.
V 80004	G11502xG5711		.	.	.	.	.	.	N	.	.	.	.	.
V 80005	G11501xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 80006	G11501xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 80007	G11501xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 80008	G11503xG2006		.	.	.	.	.	.	N	.	.	.	.	.
V 80009	G11503xG2006		.	.	.	.	.	.	N	.	.	.	.	.
V 80010	G11503xG2006		.	.	.	.	.	.	N	.	.	.	.	.
V 80011	G11503xG2006		.	.	.	.	.	.	N	.	.	.	.	.
V 80012	G11503xG2006		.	.	.	.	.	.	N	.	.	.	.	.
V 80013	G11503xG2006		.	.	.	.	.	.	N	.	.	.	.	.
V 80014	G11503xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 80015	G11503xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 80016	G11503xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 80017	G11503xG3872	NEGRO	8	21	.	38	89	.	N	.	7	8	6	1	83-2		
V 80018	G11503xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 80019	G3762xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 80020	G3762xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 80021	G3762xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 80022	G3445xG2540		.	.	.	.	.	.	N	.	.	.	.	.
V 80023	LG14 - SELECCION		.	.	.	.	.	.	N	.	.	.	.	.
V 80024	LG13 - SELECCION		.	.	.	.	.	.	N	.	.	.	.	.
V 80025	G3645xG5711	NEGRO	8	19	.	41	77	.	N	.	5	8	7	1	83-1		
V 80026	G4495xG5711		.	.	.	.	.	.	N	.	.	.	.	.
V 80027	G3645xG5711		.	.	.	.	.	.	N	.	.	.	.	.
V 80028	G3645xG5711		.	.	.	.	.	.	N	.	.	.	.	.
V 80029	G1820xG5711		.	.	.	.	.	.	N	.	.	.	.	.
V 80030	G1820xG5711		.	.	.	.	.	.	N	.	.	.	.	.
V 80031	G115xG3873		.	.	.	.	.	.	N	.	.	.	.	.
V 80032	G115xG3873		.	.	.	.	.	.	N	.	.	.	.	.
V 80033	G3448xG3873		.	.	.	.	.	.	N	.	.	.	.	.
V 80034	G111xG2006		.	.	.	.	.	.	N	.	.	.	.	.
V 80035	G111xG2006		.	.	.	.	.	.	N	.	.	.	.	.
V 80036	G3913xG5653		.	.	.	.	.	.	N	.	.	.	.	.
V 80037	G2525xG5702		.	.	.	.	.	.	N	.	.	.	.	.
V 80038	G3913xG5653		.	.	.	.	.	.	N	.	.	.	.	.
V 80039	G3467xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 80041	G4525xG5711		.	.	.	.	.	.	N	.	.	.	.	.
V 80042	G3645xG5711		.	.	.	.	.	.	N	.	.	.	.	.
V 80043	G3913xG5653		.	.	.	.	.	.	N	.	.	.	.	.
V 80044	G3467xG2540		.	.	.	.	.	.	N	.	.	.	.	.
V 80045	G111xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 80046	G111xG3872		.	.	.	.	.	.	N	.	.	.	.	.
V 83001	G3913xG2540		.	.	.	.	.	.	N	.	.	.	.	.
V 83002	G3467xG2540		.	.	.	.	.	.	N	.	.	.	.	.
V 83003	G952xG8245		1	.	4A	.	.	.	M	9	3	7	7	1	83-1374		
V 83004	G952xG8245		1	.	4A	.	.	.	M	9	2	7	7	1	83-1375		
V 83005	G952xG8245		1	.	4A	.	.	.	M	9	2	6	8	5	83-1376		
V 83006	G952xG8245		1	.	4A	.	.	.	M	9	2	7	7	5	83-1377		
V 83007	G2525xG811		2M	23	4A	40	86	.	N	9	3	7	6	1	83-1280		

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	ECMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
V 83008	G2525xG2379		2R	22	4A	40	85	.	N	9	7	6	6	5	83-1281	
V 83009	G2525xG2641		2M	22	4A	47	79	.	N	9	1	7	7	1	83-1282	
V 83010	G2525xG2641		2M	23	4A	42	79	.	N	9	1	7	6	1	83-1283	
V 83011	G2525xG2641		2M	21	4A	40	79	.	N	9	3	7	6	5	83-1284	
V 83012	G2525xG2641		2M	21	4A	46	83	.	N	9	2	7	6	5	83-1285	
V 83013	G2525xG5701		2	25	4A	41	77	.	N	9	8	7	6	5	83-1286	
V 83014	G2258xG2525		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 83015	G2258xG2525		4	26	4B	41	79	.	N	9	3	7	6	1	83-1287	
V 83016	G199xG2641		4R	23	4B	38	77	.	N	9	6	7	6	1	83-1288	
V 83017	G199xG2641		4R	29	4B	38	79	.	N	9	7	7	7	5	83-1289	
V 83018	G199xG2641		4R	27	4A	38	89	.	N	9	6	6	6	1	83-1290	
V 83019	G3469xG879		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 83020	G3445xG2540		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 83021	G2575xG811		2M	19	4A	43	83	.	N	9	6	7	6	5	83-1291	
V 83022	G5701xG2006		2M	26	4B	40	79	.	N	9	5	7	6	5	83-1292	
V 83023	G5701xG2006		2M	25	4B	41	86	.	N	9	6	7	5	5	83-1293	
V 83024	G3445xG2540		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 83025	G2525xG811		2M	21	4A	38	83	.	N	9	6	7	5	5	83-1294	
V 83026	G2525xG811		2M	18	4A	41	83	.	N	9	5	7	6	5	83-1295	
V 83027	G2525xG2641		2M	.	4A	.	.	.	N	9	3	7	6	1	83-1378	
V 83028	G2525xG811		2	21	4A	46	77	.	N	9	3	7	2	1	83-1296	
V 83029	G2525xG2025		4	28	4A	47	81	.	N	9	6	7	6	1	83-1297	
V 83030	G2525xG2333		2	18	4A	46	83	.	N	9	8	7	5	5	83-1298	
V 83031	G2525xG2333		2	21	4A	42	86	.	N	9	7	7	5	1	83-1299	
V 83032	G2525xG2333		2	20	4A	43	79	.	N	9	7	7	6	1	83-1300	
V 83033	G2525xG2641		2	24	4A	42	79	.	N	9	5	7	2	1	83-1301	
V 83034	G2327xG5004		2	21	4A	42	77	.	N	9	8	7	6	5	83-1302	
V 83035	G1820xG5653		2	18	4B	42	85	.	N	9	6	7	6	1	83-1303	
V 83036	G3467xG4446		2M	29	4A	41	85	.	N	9	5	7	5	1	83-1304	
V 83037	G2525xG811		2M	20	4A	44	83	.	N	9	5	7	6	5	83-1305	
V 83038	G2525xG811		2	19	4A	44	83	.	N	9	6	6	6	5	83-1306	
V 83039	G2525xG811		2	20	4A	43	83	.	N	9	6	7	6	1	83-1307	
V 83040	G2525xG811		2	18	4A	42	85	.	N	9	8	7	6	5	83-1308	
V 83041	G2525xG811		2M	18	4A	42	85	.	N	9	5	6	6	5	83-1309	
V 83042	G2525xG2333		2	20	4B	39	83	.	N	9	8	6	7	3	83-1310	
V 83043	G2525xG2333		2	20	4B	41	83	.	N	9	2	6	7	1	83-1311	
V 83044	G2525xG2333		2	21	4A	40	83	.	N	9	6	6	6	1	83-1312	
V 83045	G2525xG2333		2	17	4B	43	85	.	N	9	2	6	7	5	83-1313	
V 83046	G2525xG2333		2	20	4B	41	79	.	N	9	3	6	6	5	83-1314	
V 83047	G2525xG2333		2	20	4B	40	84	.	N	9	7	7	6	1	83-1315	
V 83048	G5701xG3872		2M	19	4A	43	83	.	N	9	6	7	5	5	83-1316	
V 83049	G2525xG2333		2	21	4B	40	85	.	N	9	4	7	5	5	83-1317	
V 83050	G2525xG2333		2	23	4A	40	77	.	N	9	3	7	6	3	83-1318	
V 83051	G2525xG2333		2	22	4A	38	77	.	N	9	4	7	6	3	83-1319	
V 83052	G2525xG2333		2	19	4A	46	83	.	N	9	5	7	6	1	83-1320	
V 83053	G2512xG3873		2R	18	4A	42	74	.	N	9	8	7	6	5	83-1321	
V 83054	G2512xG3873		2R	28	4A	42	74	.	N	9	7	7	5	5	83-1322	
V 83055	G3467xG2540		2	16	4A	46	81	.	N	9	8	8	5	1	83-1323	
V 83056	G952xG8245		2	.	4A	.	.	.	M	9	2	7	6	1	83-1379	
V 83057	G5653xG5694	NEGRO	8	21	4A	46	85	.	N	9	2	7	3	1	83-1148	
V 83058	G5653xG5694		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 83059	G731xG3872	NEGRO	8	19	4B	42	90	.	N	9	3	7	5	1	83-1149	
V 83060	G731xG3872	NEGRO	8	21	4A	37	86	.	N	9	4	7	6	3	83-1150	
V 83061	G2327xG5004	NEGRO	8	25	4A	36	79	.	N	9	6	8	6	5	83-1151	
V 83062	G2327xG5004		.	.	.	.	.	.	N	.	.	.	.	.	.	.
V 83063	G2839xG3872	NEGRO	8	19	4A	37	79	.	N	9	6	6	4	1	83-1152	

Line	Cross	Cult. type	Seed			Days to					VEF					IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr		Ent
V 83064	G2839xG3872	NEGRO	8	20	4A	38	85	.	N	9	5	6	5	1	83-1153	
V 83065	G2839xG3872	NEGRO	8	19	4A	38	86	.	N	8	2	6	7	3	83-1154	
V 83066	G2839xG3872	NEGRO	8	20	4A	39	79	.	N	9	5	6	6	5	83-1155	
V 83067	G2839xG3872	NEGRO	8	20	4A	38	86	.	N	9	3	7	4	1	83-1156	
V 83068	G2327xG5004	NEGRO	8	22	4A	39	86	.	N	9	4	7	5	5	83-1157	
V 83069	G2327xG5004							.	N							
V 83070	G2327xG5004	NEGRO	8	21	4A	39	79	.	N	9	5	7	7	1	83-1158	
V 83071	G2327xG5004	NEGRO	8	24	4A	38	79	.	N	9	4	6	6	1	83-1159	
V 83072	G2327xG5004	NEGRO	8	19	4A	41	79	.	N	9	6	8	5	1	83-1160	
V 83073	G2327xG5004	NEGRO	8	22	4A	40	77	.	N	9	6	7	6	1	83-1161	
V 83074	G2327xG5004	NEGRO	8	22	4A	36	77	.	N	9	5	7	6	5	83-1162	
V 83075	G2327xG5004	NEGRO	8	20	4A	41	77	.	N	9	4	7	7	1	83-1163	
V 83076	G2327xG5004	NEGRO	8	22	4A	37	77	.	N	8	4	7	7	1	83-1164	
V 83077	G2839xG3872	NEGRO	8	23	4A	41	79	.	N	9	4	7	6	1	83-1165	
V 83078	G2327xG5004							.	N							
V 83079	G2327xG5004	NEGRO	8	22	4A	38	79	.	N	9	6	7	6	5	83-1166	
V 83080	G5653xG5694	NEGRO	8	.	4A	.	.	.	N	9	2	7	4	1	83-1380	
VAF 1	G21716xVCB81014	CANARIO	3	35	4B	72	122	8	M	.	1	7	7	6	90-649	
VAF 2	G21716xVRB81030	BICO DE OURO	2	34	4A	57	117	.	N	.	2	6	7	6	90-637	
VAF 3	S25017xACV83011		2P	28	4A	52	112	.	N	.	.	7	4	3	90-636	
VAF 4	MASAIREDxA87	CARGAMANTO	2M	42	3B	57	117	.	M	.	1	6	7	7	90-641	
VAF 5	UAC41xZAV83041	ZAMORANO	6	31	3B	57	127	.	N-M	.	1	7	7	7	90-663	
VAF 6	G7459xG13936	LIBORINO	3M	35	4B	.	119	.	M	.	1	7	6	2	90-654	
VAF 7	S25017xG2331		3	43	4B	52	119	.	M	.	1	7	7	5	90-652	
VAF 8	ZAV83093xVII15778-3-1-	ESTRADA	5M	40	4B	.	117	.	M	.	1	7	7	5	90-655	
VAF 9	ZAV83024xMBAGARUMBISE	CARGAMANTO	2M	.	2B	67	132	.	M	.	1	7	7	7	90-642	
VAF 10	ZAV83024xMBAGARUMBISE	CALIMA	6M	39	3B	57	117	.	M	.	1	7	6	6	90-656	
VAF 11	G6435xA339	CARGAMANTO	2M	47	4A	57	140	.	M-N	.	1	6	7	7	90-643	
VAF 12	ACV83034xG21716	PINTO	2P	36	4A	57	140	8	N	.	1	7	6	8	90-645	
VAF 13	ACV83034xG21716	PINTO	2P	34	4A	52	122	8	N	.	1	6	6	7	90-646	
VAF 14	ACV83034xG21716	PINTO	2P	34	4A	57	127	.	M	.	1	6	6	8	90-647	
VAF 15	NAINDEKIONDxZAV83041	ZAMORANO	6	28	4A	72	127	8	N	.	1	7	.	4	90-664	
VAF 16	V83044xVCA81018	DARK RED KIDNEY	3	39	4A	76	.	.	M	.	4	6	6	7	91-495	
VAF 17	V83044xVCA81018	DARK RED KIDNEY	3	36	4A	77	.	.	M	.	6	7	6	7	91-496	
VAF 18	NAINDEKIONDxZAV83041	GREAT NORTHERN	1	.	.	.	.	.	N	.	2	7	7	3	92-918
VAF 19	NAINDEKIONDxZAV83041	SMALL WHITE	1	.	.	.	.	.	M	.	1	7	7	4	92-925
VAF 20	S25016xIVT80785	GREAT NORTHERN	1	.	.	.	.	.	N	.	1	7	7	4	92-919
VAF 21	SUG37xAFR392	A 21	6	31	4A	35	70	.	N	.	2	6	7	8	92-382	
VAF 22	ZAV83013xZAV83009	BAYO MEXICANO	2	33	4A	38	80	.	N	.	7	7	6	3	92-182	
VAF 23	A197xCYUNYU	ZAMORANO	6	.	.	51	92	.	M	.	1	7	7	7	93-835	
VAF 24	A197xCYUNYU	ZAMORANO	6	.	.	51	90	.	M	.	1	7	7	7	93-836	
VAF 25	A197xCYUNYU	ZAMORANO	6	.	.	50	91	.	M	.	1	6	7	7	93-837	
VAF 26	URUNYUMBA3x((A252xURUNYUMBA3)xURUNYUMBA3)	LIBORINO	3M	.	.	51	92	.	M	.	1	6	4	4	93-803	
VAF 27	GISENYI6x((A483xGISENYI6)xGISENYI6)	LIBORINO	3M	.	.	50	92	.	M	.	1	6	4	4	93-804	
VAF 28	GISENYI6x((A483xGISENYI6)xGISENYI6)	LIBORINO	3M	.	.	50	92	.	M	.	1	6	3	4	93-805	
VCA81001	G12720-SELECCION		4M	.	4B	48	104	.	N	.	1	9	5	7	81-1054	
VCA81002	G12720-SELECCION		4	.	4B	49	106	.	N	.	1	9	8	9	81-1055	
VCA81003	G12720-SELECCION		4	.	4B	49	102	.	M	.	1	9	8	7	81-1056	
VCA81004	G2525xG3645		4	.	4B	54	100	.	N	.	8	9	2	5	81-1057	
VCA81005	G4495xG5653		4	.	4A	50	105	.	N	.	3	8	5	7	81-1058	
VCA81006	G4346xG2540		1	.	4A	50	107	8	N	.	2	8	8	7	81-1059	
VCA81007	G3467xG2540		1	.	4A	54	107	.	N	.	2	8	7	7	81-1060	
VCA81008	G3445xG2540		1	.	4A	51	107	.	N	.	7	9	8	9	81-1061	
VCA81009	G3913xG2540		2	.	4A	50	104	.	N	.	3	9	8	9	81-1062	
VCA81010	G3913xG2540		1	.	4A	49	107	.	N	.	1	9	8	5	81-1063	
VCA81011	G3913xG3872		4	.	4A	56	106	.	N	.	1	9	5	5	81-1064	

Line	Cross	Cult. type	Seed			Days to					VEF		IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB		ALS	Rust	Yr	Ent	YAN
VCA81012	G3913xG3872		4	. 4A	56	106	.	N	.	1	9	6	9	81-1065		
VCA81013	G5701xG3872		4	. 4A	56	.	.	N	.	4	8	7	9	81-1066		
VCA81014	G5702x(G5702xG5694)		3M	. 4A	50	107	.	N	.	2	9	5	7	81-1067		
VCA81015	G3913xG3872		6	. 4A	58	104	.	N	.	2	9	6	7	81-1068		
VCA81016	G1060xG5702		3M	. 4B	54	107	8	N	.	4	8	3	3	81-1069		
VCA81017	G11819xG5694		3M	. 4A	54	108	8	N	.	3	8	5	5	81-1070		
VCA81018	G2303xG2540		2	. 4A	49	102	4	N	.	2	8	8	9	81-1071		
VCA81019	G11817xG2540		1	. 4A	54	107	.	N	.	4	9	5	7	81-1072		
VCA81020	G11819xG5694		2M	. 4A	48	106	.	N	.	3	8	4	9	81-1073		
VCA81021	G11819xG5694		4M	. 4A	50	104	.	N	.	1	8	3	7	81-1074		
VCA81022	G11819xG5694		4M	. 4A	49	104	.	N	.	5	8	3	9	81-1075		
VCA81023	G11819xG5694		4M	. 4A	50	104	.	N	.	1	8	5	9	81-1076		
VCA81024	G11819xG5694		3M	. 4A	54	104	.	N	.	1	8	3	9	81-1077		
VCA81025	G11819xG5694		2M	. 4A	50	102	6	N	.	1	8	5	5	81-1078		
VCB81001	G3445xG2540		2	30 4B	38	77	.	N	.	7	9	8	7	81-1079		
VCB81002	G3352xG3872		3M	28 4A	41	76	.	N	.	3	9	8	5	81-1080		
VCB81003	G5701xG1098		3	25 4B	42	75	.	N	.	8	8	6	3	81-1081		
VCB81004	G5701xG1098		3	26 4A	38	75	3	N	.	8	8	3	3	81-1082		
VCB81005	G5701xG3872		4	27 4B	37	74	.	N	.	3	9	7	7	81-1083		
VCB81006	G5701xG3872		3M	23 4B	41	78	.	N	.	4	8	8	7	81-1084		
VCB81007	G3352xG1942		4	27 4A	37	72	.	N	.	5	8	8	5	81-1085		
VCB81008	G3352xG2258	BAYO MEXICANO	3	30 4A	37	74	8	N	.	1	7	7	3	81-1086		
VCB81009	G3352xG3445	BAYO MEXICANO	3	35 4A	37	73	8	N	.	1	8	8	3	81-1087		
VCB81010	G3352xG3872		4	21 4A	38	77	.	N	.	6	8	6	7	81-1088		
VCB81011	G3445xG2540		1	20 4A	.	.	.	N	.	7	8	8	7	81-1089		
VCB81012	G3445xG2540	SMALL WHITE	1	24 4A	.	.	6	N	.	4	8	6	5	81-1090		
VCB81013	G3445xG2540		1	28 4A	.	.	.	N	.	3	8	8	3	81-1091		
VCB81014	G3913xG2540	SMALL WHITE	1	19 4A	.	.	8	N	.	3	8	7	7	81-1092		
VCB81015	G3467xG2540		1	17 4A	.	.	.	N	.	7	9	8	7	81-1093		
VCB81016	G4346xG2540	SMALL WHITE	1	15 4A	.	.	4	N	.	3	8	8	7	81-1094		
VCB81017	G3445xG2540		1	29 4A	.	.	.	N	.	5	8	8	7	81-1095		
VCB81018	G3913xG2540		1	16 4A	.	.	.	N	.	3	8	8	5	81-1096		
VCB81019	G3445xG2540		1	18 4A	.	.	.	N	.	5	8	7	7	81-1097		
VCB81020	G3467xG2540	SMALL WHITE	1	23 4A	.	.	4	N	.	4	9	8	7	81-1098		
VCB81021	G3913xG3872		4	17 4A	.	.	.	N	.	2	8	8	7	81-1099		
VCB81022	G3913xG3872		4	15 4A	.	.	.	N	.	1	8	6	5	81-1100		
VCB81023	G2525xG2333		3	21 4A	44	77	8	N	.	7	8	8	5	81-1101		
VNA81001	G2839xG3872	NEGRO OPACO	8	. 4A	54	107	.	N	.	5	8	6	3	81-867		
VNA81002	G2839xG3872	NEGRO BRILLANTE	8	. 4A	54	.	.	N	.	5	8	7	9	81-868		
VNA81003	G2839xG3872	NEGRO BRILLANTE	8	. 4A	55	.	8	N	.	3	8	7	9	81-869		
VNA81004	G2839xG3872	NEGRO BRILLANTE	8	. 4A	56	.	4	N	.	3	8	7	7	81-870		
VNA81005	G4346xG3873	NEGRO BRILLANTE	8	. 4A	48	104	.	N	.	7	8	8	7	81-871		
VNA81006	G2839xG3872	NEGRO OPACO	8	. 4A	54	102	8	N	.	3	7	7	7	81-872		
VNA81007	G3467xG3872	NEGRO BRILLANTE	8	. 4A	51	.	.	N	.	5	8	8	5	81-873		
VNA81008	G2839xG3872	NEGRO SEMIBRILLA	8	. 4A	50	.	.	N	.	3	8	7	7	81-874		
VNA81009	G3645xG5653	NEGRO BRILLANTE	8	. 4A	51	102	8	N	.	3	8	5	7	81-875		
VNA81010	G5702x(G5702xG5694)	NEGRO BRILLANTE	8	. 4	56	104	.	N	.	3	8	4	7	81-876		
VNB81001	G2327xG3871	NEGRO BRILLANTE	8	22 4A	37	73	.	N	.	5	8	8	7	81-888		
VNB81002	G2327xG5004	NEGRO BRILLANTE	8	25 4A	37	75	.	N	.	5	8	7	7	81-889		
VNB81003	G3445xG2006	NEGRO OPACO	8	25 4B	40	80	.	N	.	6	8	7	7	81-890		
VNB81004	G2327xG3871	NEGRO BRILLANTE	8	20 4A	37	73	.	N	.	7	8	6	7	81-891		
VNB81005	G2327xG3871	NEGRO BRILLANTE	8	21 4A	37	74	.	N	.	7	8	8	7	81-892		
VNB81011	G2327xG5004	NEGRO BRILLANTE	8	24 4B	37	75	.	N	.	3	8	8	7	81-898		
VNB81012	G2327xG5004	NEGRO BRILLANTE	8	27 4B	37	74	.	N	.	3	8	8	7	81-899		
VNB81013	G2839xG3872	NEGRO OPACO	8	22 4B	40	79	8	N	.	5	8	4	3	81-900		
VNB81014	G5653xG3872	NEGRO BRILLANTE	8	23 4A	38	74	.	M	.	5	9	8	5	81-901		

Line	Cross	Cult. type	Seed			Days to							VEF		IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust		Yr	Ent	YAN
VNB81015	G2512xG2540	NEGRO SEMIBRILLA	8	24	4B	38	78	.	N	.	5	7	7	9	81-902	
VNB81016	G3448xG2540	NEGRO BRILLANTE	8	21	4A	38	79	.	N	.	3	8	8	7	81-903	
VNB81017	G2839xG3872	NEGRO SEMIBRILLA	8	.	4B	39	83	.	N	.	5	9	8	5	81-904	
VNB81018	G2327xG5004	NEGRO BRILLANTE	8	26	4B	37	77	.	N	.	5	9	8	7	81-905	
VOC 1	WAF3x(GG163)253	GREAT NORTHERN	1	40	.	.	91	.	N	.	1	6	7	4	93-758	
VOC 2	WAF3x(GG163)253	GREAT NORTHERN	1	36	.	.	91	.	N	.	1	5	8	4	93-759	
VOC 3	WAF3x(GG163)253	GREAT NORTHERN	1	37	.	.	91	.	N	.	1	6	8	4	93-760	
VOC 4	WAF3x(GG163)253	GREAT NORTHERN	1	36	.	.	91	.	N	.	1	4	8	5	93-761	
VOC 5	AFR242xMAM16	JALO/MANTECA	2	40	.	.	91	.	N	.	1	5	8	6	93-762	
VOC 6	AFR242xMAM16	CALIMA	6M	48	.	.	.	.	M	.	1	4	9	6	93-763	
VOC 7	PVA800AxG2618	POMPADOUR	6M	45	.	.	91	.	N	.	1	6	8	7	93-766	
VOC 8	ACV15x(ACV15xMCD2004)	ZAMORANO	6	31	.	.	91	.	N	.	1	7	8	6	93-767	
VOC 9	ACV83034xA292	ZAMORANO	6	34	.	.	91	.	N	.	1	7	7	3	93-764	
VOC 10	ACV83034xA292	ZAMORANO	6	33	.	.	85	.	N	.	1	7	7	3	93-768	
VOC 11	G21718xACV83034	MWEZI MOJA	7M	32	.	.	81	.	M-N	.	1	6	5	3	93-769	
VOC 12	G21718xACV83034	MWEZI MOJA	7M	32	.	.	81	.	M-N	.	1	6	5	4	93-770	
VOC 13	G13671xS25017	MEXICO 80	6	36	.	.	91	.	N	.	1	7	8	3	93-765	
VRA81001	G5702x(G5702xG5694)		3M	.	4A	53	102	.	N	.	2	5	4	7	81-906	
VRA81002	G5702x(G5702xG5694)		3M	.	4A	54	104	.	N	.	2	8	5	7	81-907	
VRA81003	G5702x(G5702xG5694)		3M	.	4B	56	108	.	N	.	2	9	5	7	81-908	
VRA81004	G5702x(G5702xG5694)		3M	.	4A	50	102	.	N	.	2	8	4	5	81-909	
VRA81005	G5702x(G5702xG5694)		3M	.	4A	51	102	.	N	.	3	9	5	7	81-910	
VRA81006	G5702x(G5702xG5694)		3M	.	4A	50	102	4	N	.	2	8	4	7	81-911	
VRA81007	G12720-SELECCION		3M	.	4B	50	104	.	M	.	5	9	4	5	81-912	
VRA81008	G12720-SELECCION		3M	.	4A	49	104	8	N	.	2	9	7	7	81-913	
VRA81009	G12720-SELECCION		3M	.	4A	48	107	.	M	.	2	8	6	7	81-914	
VRA81010	G12720-SELECCION		5M	.	4A	49	105	.	M	.	2	8	5	3	81-915	
VRA81011	G12720-SELECCION		3M	.	4A	50	104	8	M	.	2	8	6	5	81-916	
VRA81012	G12720-SELECCION		3M	.	4A	49	102	8	M	.	3	8	6	5	81-917	
VRA81013	G12720-SELECCION		3M	.	4A	50	102	.	N	.	5	8	8	3	81-918	
VRA81014	G12720-SELECCION		6M	.	4A	50	105	8	N	.	3	9	4	3	81-919	
VRA81015	G12720-SELECCION		3M	.	4A	50	102	8	N	.	3	8	7	3	81-920	
VRA81016	G12720-SELECCION		3M	.	4B	50	107	.	M	.	1	8	5	7	81-921	
VRA81017	G12720-SELECCION		3M	.	4B	52	.	.	M	.	3	9	6	5	81-922	
VRA81018	G12720-SELECCION		3M	.	4A	49	101	.	M	.	2	8	5	5	81-923	
VRA81019	G12720-SELECCION		7	.	4A	51	107	.	M	.	1	8	5	5	81-924	
VRA81020	G12720-SELECCION		3M	.	4B	49	102	.	N	.	3	9	5	5	81-925	
VRA81021	G12720-SELECCION		3M	.	4A	52	102	.	N	.	2	8	5	7	81-926	
VRA81022	G12720-SELECCION		3M	.	4B	51	107	.	N	.	2	8	5	5	81-927	
VRA81023	G12720-SELECCION		3M	.	4B	49	.	.	N	.	5	9	5	7	81-928	
VRA81024	G1820xG5653		6	.	4A	49	104	.	N	.	2	9	3	3	81-929	
VRA81025	G1820xG5653		6	.	4A	49	101	.	N	.	7	9	4	3	81-930	
VRA81026	G1820xG5653		6	.	4A	49	104	.	N	.	5	8	4	3	81-931	
VRA81027	(G4495xG5702)xG5702		3M	.	4A	52	.	3	N	.	2	9	3	7	81-932	
VRA81028	(G4495xG5702)xG5702		3M	.	4A	53	102	.	N	.	2	9	4	3	81-933	
VRA81029	(G4495xG5702)xG5702		3M	.	4A	50	106	8	N	.	3	9	4	5	81-934	
VRA81030	(G4495xG5702)xG5702		3M	.	4A	52	106	.	N	.	3	9	4	7	81-935	
VRA81031	(G4495xG5702)xG5702		3M	.	4B	54	107	.	N	.	1	8	3	9	81-936	
VRA81032	(G4495xG5702)xG5702		3M	.	4A	47	104	.	N	.	1	8	5	7	81-937	
VRA81033	(G4495xG5702)xG5702		7M	.	4A	44	101	.	N	.	3	9	4	7	81-938	
VRA81034	(G4495xG5702)xG5702		3M	.	4A	53	102	.	M	.	2	8	4	5	81-939	
VRA81035	(G4495xG5702)xG5702		3M	.	4A	52	102	8	M	.	2	8	2	3	81-940	
VRA81036	(G4495xG5702)xG5702		3M	.	4A	51	102	.	N	.	5	8	5	7	81-941	
VRA81037	G3467xG2540		3M	.	4A	46	102	.	N	.	2	8	8	9	81-942	
VRA81052	G5653xG2006		5	.	4A	49	101	.	N	.	3	9	5	9	81-957	
VRA81053	G5653xG2006		7	.	4A	50	101	1	N	.	4	9	1	9	81-958	

Line	Cross	Cult. type	Seed			Days to								VRF	IB	
			col.	Wt	Hab	Fl	Mt	Pot	BCMV	Emp	Ant	CBB	ALS			Rust	Yr	Ent	YAN
VRA81054	G5653xG3872		6	.	4A	50	104	8	N	.	5	9	5	5	81-959	
VRA81055	G5653xG3872		6	.	4A	52	104	.	N	.	3	9	7	7	81-960	
VRA81056	G5653xG3872		6	.	4A	50	102	.	M	.	4	9	8	9	81-961	
VRA81057	G5653xG3872		6	.	4A	49	102	.	N	.	2	9	7	9	81-962	
VRA81058	G5653xG3872		6	.	4A	44	102	.	N	.	7	9	6	3	81-963	
VRA81059	G5653xG3872		6	.	4A	45	102	4	N	.	4	9	7	9	81-964	
VRA81060	G5653xG3872		6	.	4A	50	104	.	N	.	2	8	6	3	81-965	
VRA81061	G5653xG3872		6	.	4A	45	101	6	N	.	5	9	8	5	81-966	
VRA81062	G5653xG3872		6	.	4A	48	101	8	N	.	3	9	8	3	81-967	
VRA81063	G5653xG3872		6	.	4A	50	104	.	N	.	2	9	3	7	81-968	
VRA81064	G5653xG3872		6	.	4A	52	104	8	N	.	2	8	3	5	81-969	
VRA81065	G5653xG3872		6	.	4A	54	104	.	N	.	2	9	3	5	81-970	
VRA81066	G5653xG3872		6	.	4A	52	104	.	N	.	4	9	3	3	81-971	
VRA81067	G5653xG3872		6	.	4A	52	104	4	N	.	2	9	4	5	81-972	
VRA81068	G5653xG3872		6	.	4A	54	107	.	M	.	2	9	4	5	81-973	
VRA81069	G1820xG5653		6	.	4A	51	106	.	N	.	2	8	5	3	81-974	
VRA81070	G5653xG2006		6	.	4A	52	104	.	M	.	2	8	8	9	81-975	
VRA81071	G5701xG3872		6	.	4A	56	107	.	N	.	2	7	7	9	81-976	
VRA81072	G5702x (G5702xG5694)		3M	.	4A	56	.	2	N	.	1	9	5	7	81-977	
VRA81073	G5653xG2006		6	.	4A	50	104	1	M	.	3	9	6	5	81-978	
VRA81074	G11817xG5653		6M	.	4A	50	102	.	N	.	2	8	8	3	81-979	
VRA81075	G11817xG5653		6	.	4A	49	102	.	M	.	1	8	5	7	81-980	
VRA81076	G11819xG6038		3M	.	4A	46	.	8	M	.	7	8	3		81-981	
VRA81077	G11819xG6038		3M	.	4A	46	108	8	N	.	5	8	3	5	81-982	
VRA81078	G11819xG6038		3M	.	4A	45	.	.	N	.	5	8	2	7	81-983	
VRA81079	G11819xG6038		3M	.	4A	49	102	.	N	.	8	8	3	7	81-984	
VRB81001	G115xG2525		6R	42	4B	39	74	.	N	.	9	9	2	9	81-985	
VRB81002	G111xG2006		6R	28	4A	38	74	.	N	.	3	8	4	7	81-986	
VRB81003	G5701xG3872		6	18	4A	37	74	.	N	.	7	9	7	5	81-987	
VRB81004	(G4495xG5702) xG5702		3M	37	4B	45	76	.	N	.	5	9	6	7	81-988	
VRB81005	G3352xG3872		6	30	4A	39	77	.	N	.	2	9	8	7	81-989	
VRB81006	G5653xG2006		5	20	4A	39	76	.	N	.	7	9	3	9	81-990	
VRB81007	G5653xG3873		6	20	4A	40	76	.	N	.	1	8	7	5	81-991	
VRB81008	(G4495xG5702) xG5702	CRANBERRY	2M	27	4A	44	79	8	N	.	3	7	6	1	81-992	
VRB81009	(G4495xG5702) xG5702	CARGAMANTO	3M	32	4B	44	76	.	N	.	7	9	3	7	81-993	
VRB81010	(G4495xG5702) xG5702		3M	32	4B	45	76	.	N	.	3	9	3	7	81-994	
VRB81011	(G4495xG5702) xG5702		3M	35	4B	40	76	.	N	.	3	9	4	5	81-995	
VRB81012	(G4495xG5702) xG5702	CARGAMANTO	3M	36	4B	44	76	8	N	.	5	9	4	7	81-996	
VRB81013	(G4495xG5702) xG5702		3M	34	4B	45	75	.	N	.	7	9	3	7	81-997	
VRB81019	G1820xG5653		4	23	4A	38	73	.	N	.	3	8	8	3	81-1003	
VRB81020	G1820xG5653		4	22	4A	37	71	.	N	.	1	8	6	7	81-1004	
VRB81021	G1820xG5653		4	26	4A	37	71	.	N	.	1	9	6	9	81-1005	
VRB81022	G1820xG5653		4	33	4A	36	72	.	N	.	1	9	7	9	81-1006	
VRB81023	G1820xG5653		7	26	4A	38	76	.	N	.	7	8	3	9	81-1007	
VRB81024	G1820xG5653		5	28	4A	37	74	.	M	.	7	8	3	9	81-1008	
VRB81025	G1820xG5653	NEGRO OPACO	8	27	4A	40	77	.	N	.	6	8	6	9	81-1009	
VRB81026	G1820xG5653		5	28	4A	38	74	.	M	.	7	9	7	7	81-1010	
VRB81027	G5701xG3872		6	25	4A	38	75	.	N	.	8	8	5	1	81-1011	
VRB81028	G5701xG3872		6	23	4A	39	73	.	N	.	7	9	5	3	81-1012	
VRB81029	G5701xG3872		6	23	4A	37	73	.	N	.	8	8	6	3	81-1013	
VRB81030	G5701xG3872		6	28	4B	39	79	8	N	.	1	9	8	3	81-1014	
VRB81031	G5701xG3872		6	26	4A	38	76	.	N	.	6	8	5	3	81-1015	
VRB81032	G5701xG3872		6	27	4A	38	73	.	N	.	7	8	7	9	81-1016	
VRB81033	G5701xG3872		6	26	4B	44	79	.	N	.	5	9	7	3	81-1017	
VRB81034	G5653xG3873		6	23	4B	38	76	.	N	.	6	9	7	9	81-1018	
VRB81035	G5653xG2006	NEGRO BRILLANTE	8	23	4A	44	79	.	N	.	4	9	5	5	81-1019	

Line	Cross	Cult. type	Seed			Days to					Rust	Yr	VEF	IB	
			col.	Wt	Hab	F1	Mt	Fot	BCMV	Emp					Ant	CBB	ALS	Ent	YAN
VRB81036	G5653xG3872		6	20	4A	41	79	.	N	.	2	9	5	5	81-1020
VRB81037	G5653xG3872	DUVA	6	23	4A	41	79	8	N	.	3	9	3	5	81-1021
VRB81038	G5653xG3872	ARGENTINO	6	22	4A	43	79	8	N	.	5	9	5	7	81-1022
VRB81039	G5653xG3872		6	21	4A	42	79	.	N	.	7	9	5	5	81-1023
VRB81040	G5653xG3872		6	13	4A	38	.	.	N	.	7	9	5	3	81-1024
VRB81041	G3445xG2540		3	24	4A	40	75	8	N	.	5	9	7	3	81-1025
VRB81042	G3445xG2540		5	22	4A	44	.	8	N	.	1	9	8	7	81-1026
VRB81043	G7126xG2525		5	18	4A	42	77	.	N	.	8	9	2	7	81-1027
VRB81044	G5701xG1098		6	24	4A	43	77	.	N	.	3	9	8	1	81-1028
VRB81045	G2525xG2333		4	20	4B	38	78	.	N	.	1	9	6	9	81-1029
VRB81046	G2525xG2333		4	21	4B	44	.	.	N	.	2	9	8	7	81-1030
VRB81047	G5653xG2006	ZAMORANO	6	24	4A	41	73	2	N	.	2	9	8	5	81-1031
VRB81048	G5653xG2006	ARGENTINO	6	23	4A	38	74	8	N	.	3	9	8	5	81-1032
VRB81049	G5653xG2006		6	25	4B	40	79	2	N	.	1	9	8	5	81-1033
VRB81050	G5653xG2006		6	22	4B	40	.	.	N	.	3	9	5	5	81-1034
VRB81051	G5653xG2006		5	28	4A	38	77	.	N	.	2	9	8	5	81-1035
VRB81052	G3913xG2540		4	17	4A	39	72	.	N	.	3	9	8	7	81-1036
VRB81053	G3913xG3872		6	18	3B	38	72	1	N	.	3	9	8	5	81-1037
VRB81054	G5701xG3872		6	25	4A	42	77	.	N	.	4	8	7	9	81-1038
VRB81055	G5701xG3872		6	31	4A	41	73	.	N	.	2	8	7	9	81-1039
VRB81056	G5653xG3872		6	22	4B	44	78	.	N	.	1	9	3	5	81-1040
VRB81057	G5653xG3872		6	25	4B	41	78	8	N	.	4	9	5	5	81-1041
VRB81058	G5653xG3872		6	14	4A	40	79	.	N	.	5	9	7	5	81-1042
VRB81059	G5653xG3872		6	15	4A	40	.	.	N	.	4	9	8	7	81-1043
VRB81060	G5653xG3872	ZAMORANO	6	19	4A	38	75	8	N	.	3	8	4	5	81-1044
VRB81061	G1820xG5653		6	24	4A	37	73	.	N	.	4	9	4	5	81-1045
VRB81062	G5701xG2525		6	33	4A	40	75	.	N	.	1	8	6	5	81-1046
VRB81063	G5701xG2525		6	27	4B	41	75	.	N	.	1	9	8	9	81-1047
VRB81064	G5653xG2006	ARGENTINO	6	28	4A	39	72	1	N	.	3	9	3	7	81-1048
VRB81065	G5653xG2006		6	25	4A	38	74	.	N	.	2	9	5	7	81-1049
VRB81066	(G4495xG5702)xG5702	CRANBERRY	2M	23	4A	38	77	4	N	.	5	8	3	3	81-1050
VRB81067	V78001-SELECCION	ARGENTINO	6	23	3B	44	76	.	N	.	2	8	2	9	81-1051
VRB81068	V79018-SELECCION		6	22	4A	44	83	.	N	.	1	9	5	5	81-1052
VRB81069	V79119-SELECCION	ARGENTINO	6	24	3B	45	78	5	N	.	2	8	7	7	81-1053
WA 7190-1	(WAF3xG5896) F1x(WAF9xG4523) F1	CABALLERO	1	45	1	34	75	.	N	.	5	6	6	6	90-324
WAF 1	A43xG159		1	29	3A	38	82	.	N	9	8	6	5	5	83-849 83
WAF 2	A43xG159		1	26	3B	40	85	4	N	9	9	6	2	5	83-853 83
WAF 3	G3628xG13921		1	40	1	36	75	8	N	9	6	7	6	1	83-823 84
WAF 4	G13922x(G9620xG4498) F1		1	24	1	37	88	8	N	9	7	6	7	1	83-843 83
WAF 5	G13922xG6719		1	27	1	36	77	7	N	9	6	6	6	3	83-844 83
WAF 6	G13922xG6719		1	33	1	35	75	5	N	9	5	5	5	1	83-840 83
WAF 7	G1274x((G5066xG1853) F4xG6380) F3		1	35	1	36	77	.	N	9	6	6	6	1	83-829 84
WAF 8	A494x(A208xG1853) F1	NAVY	1	19	1	34	71	3	N	6	.	9	.	5	85-1421 84
WAF 9	G13141x(G5680xG14013) F1		1	38	.	33	66	3	N	7	5	7	5	5	85-1422 84
WAF 10	A493x(G1471x(XAN40xG7930) F1) F1	ALUBIA	1	28	.	40	73	4	N	6	5	7	4	5	85-1423 85
WAF 11	A494x(G22169x(A156xG7930) F1) F1	NEGRO	8	.	.	.	.	3	N	.	.	.	.	.	.
WAF 12	A494x(G10030xG76) F1	ALUBIA	1	37	1	33	67	4	N	7	8	7	5	5	85-1424 85
WAF 13	BAT1209x(G6380x(G22147xG6474) F5) F1	ALUBIA	1	35	1	33	67	5	N	6	8	6	5	5	85-1425 85
WAF 14	G22169x(A156xG7930) F1	ALUBIA	1	42	1	36	66	5	N	7	5	7	5	5	85-1426 85
WAF 15	G22169x(BAT1274xG7602) F1	ALUBIA	1	41	1	36	71	3	N	7	1	5	4	5	85-1427 85
WAF 16	G10030xG76	ALUBIA	1	44	1	33	66	4	N	7	8	7	5	5	85-1428 85
WAF 17	G10030x(G13922xG6719) F1	ALUBIA	1	37	1	31	66	1	N	7	3	8	5	5	85-1429 85
WAF 18	G13088xA195	ALUBIA	1	45	1	33	66	3	N	7	5	5	5	5	85-1430 85
WAF 19	G13097xA197		1	34	1	33	68	4	N	7	9	8	6	5	85-1431 85
WAF 20	G7930x(BAT1274xG7602) F1	WHITE KIDNEY	1	40	1	33	70	.	N	.	3	7	6	4	87-58
WAF 21	G7930x(G15452xG13921) F1	WHITE KIDNEY	1	40	1	33	70	3	N	9	3	6	7	5	87-59 89

Line	Cross	Cult. type	Seed			Days to									VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
WAF	22	G22169x(A156xG7930) F1	WHITE KIDNEY	1	51	1	37	70	3	N	9	5	6	6	3	87-60	89
WAF	23	G1633xA195	WHITE KIDNEY	1	36	1	33	66	.	N	.	7	6	6	4	87-61	89
WAF	24	G1633xA195	WHITE KIDNEY	1	47	1	35	70	.	N	.	8	7	6	4	87-62	
WAF	25	G10030xG76	WHITE KIDNEY	1	45	1	33	67	.	N	.	8	8	5	3	87-63	
WAF	26	G10030xG76	WHITE KIDNEY	1	48	1	33	67	.	N	.	8	8	7	4	87-64	
WAF	27	G13088xA195	WHITE KIDNEY	1	45	1	31	67	.	N	.	6	7	7	3	87-65	
WAF	28	G13088xA195	WHITE KIDNEY	1	41	1	31	68	.	N	.	3	7	7	2	87-66	
WAF	29	G13088xA195	WHITE KIDNEY	1	46	1	32	68	4	N	9	7	6	7	6	87-67	89
WAF	30	G13088xA195	WHITE KIDNEY	1	43	1	30	64	.	N	.	7	6	6	2	87-68	
WAF	31	G13088xA195	WHITE KIDNEY	1	42	1	31	65	.	N-L	.	8	7	6	2	87-69	
WAF	32	G13088xA195	WHITE KIDNEY	1	51	1	32	80	.	M-N	8	9	5	7	4	88-144	
WAF	33	G13088xA195	WHITE KIDNEY	1	37	1	31	65	.	N	.	5	7	7	3	87-70	
WAF	34	G13088xA195	WHITE KIDNEY	1	35	1	31	67	.	N	.	5	7	7	3	87-71	
WAF	35	G13088xA195	WHITE KIDNEY	1	50	1	33	65	.	N	.	7	8	6	3	87-72	
WAF	36	G13097xA197	WHITE KIDNEY	1	50	1	34	68	.	N	.	8	8	6	3	87-73	
WAF	37	G13097xA197	WHITE KIDNEY	1	28	1	32	65	.	N	.	8	7	7	2	87-74	
WAF	38	G13133x(G7930xA57) F1	WHITE KIDNEY	1	26	1	29	61	.	N	.	8	7	8	2	87-75	
WAF	39	A494x(A179x(BAT1252xG4391) F1) F1	WHITE KIDNEY	1	38	1	37	69	.	N	.	8	7	7	3	87-76	87
WAF	40	A494x(A179x(BAT1252xG4391) F1) F1	WHITE KIDNEY	1	28	1	33	67	.	N	.	7	7	7	2	87-77	
WAF	41	A494x(A179x(BAT1252xG4391) F1) F1	WHITE KIDNEY	1	30	1	33	67	.	N	.	8	7	6	3	87-78	
WAF	42	XAN125x(A494x(INT243xG13078) F1) F1	WHITE KIDNEY	1	30	2B	33	61	1	N	8	8	7	8	7	87-79	
WAF	43	A494x(G13131xA197) F1	WHITE KIDNEY	1	35	1	31	69	.	N	.	8	7	5	2	87-80	
WAF	44	G11206x(G13161xA187) F1	WHITE KIDNEY	1	38	1	33	69	.	N	.	7	7	6	3	87-81	
WAF	45	G11206x(G13161xA187) F1	WHITE KIDNEY	1	33	1	32	63	.	N	.	1	7	6	3	87-82	
WAF	46	INT279x(G13089xA195) F1	WHITE KIDNEY	1	34	1	33	67	.	N-M	.	8	7	7	3	87-83	
WAF	47	INT279x(G13089xA195) F1	WHITE KIDNEY	1	39	1	34	68	.	N	.	8	8	6	3	87-84	
WAF	48	G13076x(A154xA208) F3xINT281) F1	WHITE KIDNEY	1	38	1	31	69	.	N-L	.	7	7	6	3	87-85	
WAF	49	XAN125xG2858	WHITE KIDNEY	1	30	2	30	61	.	N	.	1	7	8	6	87-86	
WAF	50	XAN125x(A494x(A208xG1853) F1) F4	WHITE KIDNEY	1	25	2	34	70	.	N	.	7	8	7	6	87-87	
WAF	51	(G7930x(G5655x(G7930xA30) F5) F1) F1x...	GREAT NORTHERN	1	29	2A	34	65	.	N	.	6	4	7	8	89-5	
WAF	52	G22171x(G3628xG13921) F8	WHITE KIDNEY	1	49	1	31	68	.	N	8	9	7	7	4	88-145	
WAF	53	G22171x(G3628xG13921) F8	WHITE KIDNEY	1	31	1	31	61	.	N	.	8	7	6	4	87-88	
WAF	54	G1633x(G13076x(A154xA208) F3x...	WHITE KIDNEY	1	43	1	33	67	.	N-M	.	1	8	7	4	87-89	
WAF	55	G22171x(BAT1274x(G7929xG45) F5)	WHITE KIDNEY	1	38	1	32	65	.	N	.	8	7	7	3	87-90	
WAF	56	G22171x(BAT1274x(G7929xG45) F5)	WHITE KIDNEY	1	28	1	31	67	.	N	.	8	7	6	2	87-91	
WAF	57	G22171x(BAT1274x(G7929xG45) F5)	WHITE KIDNEY	1	37	1	32	66	.	N	.	3	8	5	3	87-92	
WAF	58	INT279x(G3628xG13921) F7	WHITE KIDNEY	1	28	1	35	69	3	N	8	8	7	7	4	87-93	
WAF	59	INT279x(G3628xG13921) F7	WHITE KIDNEY	1	30	1	33	67	3	N	9	8	7	7	3	87-94	
WAF	60	(A494x(A208xG1853) F1) F5x(A124x...	WHITE KIDNEY	1	34	1	34	72	.	N	.	7	6	6	4	87-95	
WAF	61	A193x(A494x(A208xG1853) F1) F5	WHITE KIDNEY	1	36	2	34	69	.	N	.	8	7	6	3	87-96	
WAF	62	G8050x(A494x(G10030xG76) F1) F6	ALUBIA	1	35	1	31	67	5	N	9	7	5	7	4	88-15	
WAF	63	G8050x(A494x(G10030xG76) F1) F6	WHITE KIDNEY	1	41	1	32	67	.	N	.	7	6	6	3	87-97	
WAF	64	G8050x(A494x(G10030xG76) F1) F6	WHITE KIDNEY	1	43	1	30	63	.	N	.	6	7	7	5	89-20	
WAF	65	(A494x(G10030xG76) F1) F6x(G13922x...	ALUBIA	1	42	1	32	75	.	N	9	7	7	7	5	88-20	
WAF	66	G13922x(G13922x(A494x(A208x...	WHITE KIDNEY	1	44	1	36	70	.	N	.	4	7	7	4	87-98	
WAF	67	(G13922xG10176) F1x(G13922x(A494x(...	WHITE KIDNEY	1	30	1	33	69	.	N	.	8	6	6	3	87-99	87
WAF	68	(G13922xG10176) F1x(G13922x(A494x(...	WHITE KIDNEY	1	35	1	32	66	.	N	.	8	6	7	3	87-100	89
WAF	69	(G13922xG10176) F1x(G13922x(A494x(...	WHITE KIDNEY	1	32	1	33	67	.	N	.	7	8	6	3	87-101	
WAF	70	(G13922xG13145) F1x(G13922x(G7930x(...	WHITE KIDNEY	1	40	1	36	72	.	N-L	.	6	7	6	4	87-102	
WAF	71	(G13922xG13145) F1x(G13922x(G7930x(...	WHITE KIDNEY	1	33	1	35	69	.	N	.	8	8	6	3	87-103	
WAF	72	(G13922xG13145) F1x(G13922x(G7930x(...	WHITE KIDNEY	1	58	1	31	68	.	N	8	9	6	6	4	88-146	
WAF	73	(G13922xG13145) F1x(G13922x(G7930x(...	WHITE KIDNEY	1	47	1	35	70	.	N	.	8	8	7	3	87-104	
WAF	74	(G13922xG13145) F1x(G13922x(G7930x(...	WHITE KIDNEY	1	35	1	32	67	.	N	.	7	8	7	2	87-105	
WAF	75	(G13922xG13145) F1x(G13922x(G7930x(...	WHITE KIDNEY	1	52	1	33	69	.	N	.	6	8	7	4	87-106	87
WAF	76	(G13922xG13145) F1x(G13922x(G7930x(...	WHITE KIDNEY	1	38	1	35	70	.	N	.	5	7	6	6	87-107	
WAF	77	S28546x(XAN77x(A494x(A208x...	WHITE KIDNEY	1	33	1	30	61	.	N	.	8	6	6	5	87-108	

Line	Cross	Cult. type	Seed		Days to				Emp	Ant	CBB	ALS	Rust	Yr	VEF Ent	IB YAN
			col.	Wt Hab	F1	Mt	Fot	BCMV								
WAF 78	G13922x(G7930x(G5655x(G7930x...	WHITE KIDNEY	1	29 1	34	69	4	N	8	8	6	6	4	87-109	87	
WAF 79	G76x(A494x(A208xG1853)F1)F7	WHITE KIDNEY	1	31 1	31	64	.	N	.	8	7	4	2	87-110		
WAF 80	G76x(A494x(A208xG1853)F1)F7	WHITE KIDNEY	1	32 1	31	67	.	N	.	5	7	6	3	87-111		
WAF 81	G3954x(A494x(A208xG1853)F1)F7	WHITE KIDNEY	1	34 1	35	69	.	N	.	7	7	6	4	87-112		
WAF 82	G3954x(A494x(A208xG1853)F1)F7	WHITE KIDNEY	1	33 1	33	64	.	N	.	7	4	5	5	87-113	89	
WAF 83	G3954x(A494x(A208xG1853)F1)F7	WHITE KIDNEY	1	37 1	32	64	.	N	.	7	6	5	5	87-114		
WAF 84	G6415x(A494x(G10030xG76)F1)F7	WHITE KIDNEY	1	33 1	31	67	.	N	.	6	7	7	3	87-115		
WAF 85	G6415x(A494x(G10030xG76)F1)F7	WHITE KIDNEY	1	34 1	31	64	.	N-M	.	7	8	7	2	87-116		
WAF 86	G6415x(A494x(G10030xG76)F1)F7	WHITE KIDNEY	1	32 1	32	67	.	N	.	7	7	7	3	87-117		
WAF 87	G6415x(A494x(G10030xG76)F1)F7	WHITE KIDNEY	1	28 1	31	66	.	N	.	7	8	5	3	87-118		
WAF 88	G6415x(A494x(G10030xG76)F1)F7	WHITE KIDNEY	1	41 1	31	67	.	N	.	8	8	7	3	87-119		
WAF 89	G6415x(A494x(G10030xG76)F1)F7	WHITE KIDNEY	1	31 1	33	66	3	N	9	8	6	8	5	87-120	89	
WAF 90	G6415x(A494x(G10030xG76)F1)F7	WHITE KIDNEY	1	36 1	31	67	.	N	.	4	7	7	5	87-121		
WAF 91	G6416x(A494x(G10030xG76)F1)F7	WHITE KIDNEY	1	37 1	32	67	.	N	.	8	8	5	2	87-122		
WAF 92	G3710x(A494x(G10030xG76)F1)F7	WHITE KIDNEY	1	34 1	31	64	.	N	.	8	8	7	3	87-123		
WAF 93	G3710x(A494x(G10030xG76)F1)F7	WHITE KIDNEY	1	35 1	31	64	.	N	.	8	8	6	2	87-124		
WAF 94	G3710x(A494x(G10030xG76)F1)F7	ALUBIA	1	44 1	31	67	.	N	9	8	6	7	5	88-16		
WAF 95	G3710x(A494x(G10030xG76)F1)F7	WHITE KIDNEY	1	33 1	31	64	.	N	.	8	7	7	2	87-125		
WAF 96	XAN161x(G13097xA197)F1	WHITE KIDNEY	1	33 1	35	70	3	M-N	9	8	5	6	5	87-126		
WAF 97	XAN161x(G13097xA197)F1	WHITE KIDNEY	1	27 1	33	69	3	N	9	8	5	7	5	87-127	89	
WAF 98	WAF7xG3954	WHITE KIDNEY	1	34 1	31	67	2	N	9	6	5	5	5	87-128	89	
WAF 99	WAF7xXAN161	WHITE KIDNEY	1	30 1	33	67	.	N	.	7	7	5	5	87-129		
WAF 100	WAF7xXAN161	WHITE KIDNEY	1	35 1	35	69	.	N	.	6	7	6	4	87-130		
WAF 101	{A75x(A490x(G3628xG13921)F6)F1}F1x{(...	WHITE KIDNEY	1	46 1	31	66	.	N	.	7	7	6	2	87-131		
WAF 102	{A494x(A208xG1853)F1}F6x{(A494x(...	ALUBIA	1	35 1	32	76	8	N	9	7	7	7	5	88-17		
WAF 103	{A494x(A208xG1853)F1}F6x{(A494x(...	WHITE KIDNEY	1	33 1	33	66	.	N	.	7	8	7	3	87-132		
WAF 104	{A494x(G4473xG11269)F1}F7x{A493x...	WHITE KIDNEY	1	31 1	33	67	.	N	.	2	8	7	5	87-133		
WAF 105	{A494x(S28544x(A156xG7930)F1)F6}F1x{(...	WHITE KIDNEY	1	42 1	31	65	.	N	.	7	7	6	3	87-134		
WAF 106	WAF3xG21924	WHITE KIDNEY	1	35 1	34	67	.	N	.	5	8	6	3	87-135		
WAF 107	WAF3xG21924	WHITE KIDNEY	1	35 1	33	67	.	N	.	5	7	6	2	87-136		
WAF 108	WAF3xG21924	WHITE KIDNEY	1	31 1	33	67	.	N-M	.	6	7	5	3	87-137		
WAF 109	WAF3xG21924	WHITE KIDNEY	1	41 1	33	67	3	N	8	7	7	7	3	87-138		
WAF 110	WAF3xG21924	WHITE KIDNEY	1	26 1	32	67	.	N	.	8	7	6	2	87-139		
WAF 111	WAF3xG21924	WHITE KIDNEY	1	22 1	32	64	.	N	.	6	8	6	3	87-140		
WAF 112	WAF3xG21924	WHITE KIDNEY	1	26 1	31	61	.	N	.	6	7	7	2	87-141		
WAF 113	G21928x(G13088xA195)F5	WHITE KIDNEY	1	34 1	31	61	.	N	.	7	7	6	3	87-142		
WAF 114	G21928x(G13088xA195)F5	WHITE KIDNEY	1	31 1	31	62	.	N	.	7	7	6	4	87-143		
WAF 115	G21928x(G13088xA195)F5	WHITE KIDNEY	1	29 1	31	64	.	N	.	6	7	6	2	87-144		
WAF 116	G21928x(G13088xA195)F5	WHITE KIDNEY	1	34 1	31	64	.	N	.	1	8	6	2	87-145		
WAF 117	G21928x(G13088xA195)F5	WHITE KIDNEY	1	36 1	31	65	.	N-M	.	7	8	6	3	87-146		
WAF 118	G21928x(G13088xA195)F5	WHITE KIDNEY	1	34 1	32	64	.	N-M	.	6	7	7	3	87-147		
WAF 119	G21928x(G13088xA195)F5	WHITE KIDNEY	1	51 1	30	68	3	N	8	9	7	7	3	88-147		
WAF 120	G21928x(G13088xA195)F5	WHITE KIDNEY	1	35 1	31	64	.	N	.	7	7	5	3	87-148		
WAF 121	G21928x(G13088xA195)F5	WHITE KIDNEY	1	53 1	31	68	4	N	8	9	8	6	3	88-148		
WAF 122	G21928x(G13088xA195)F5	WHITE KIDNEY	1	29 1	30	65	.	N	.	7	8	7	3	87-149		
WAF 123	G21928x(G13088xA195)F5	WHITE KIDNEY	1	38 1	31	65	.	N	.	7	8	6	2	87-150		
WAF 124	G21928x(G13088xA195)F5	WHITE KIDNEY	1	35 1	31	61	.	N	.	7	8	7	2	87-151		
WAF 125	G21928x(G13088xA195)F5	WHITE KIDNEY	1	39 1	31	64	.	N-M	.	6	7	7	3	87-152		
WAF 126	G21928x(G13088xA195)F5	WHITE KIDNEY	1	37 1	31	64	.	N	.	7	8	6	3	87-153		
WAF 127	G21928x(G13088xA195)F5	WHITE KIDNEY	1	51 1	31	68	4	N	8	5	7	6	3	88-149		
WAF 128	G21928x(G13088xA195)F5	WHITE KIDNEY	1	38 1	30	64	.	N	.	7	7	7	3	87-154		
WAF 129	G21928x(G13088xA195)F5	WHITE KIDNEY	1	34 1	31	64	.	N	.	6	7	7	2	87-155		
WAF 130	G21928x(G13088xA195)F5	WHITE KIDNEY	1	31 1	30	61	.	N	.	5	7	7	2	87-156		
WAF 131	G21928x(G13088xA195)F5	WHITE KIDNEY	1	31 1	30	61	.	N	.	2	7	8	3	87-157		
WAF 132	G21928x(G13088xA195)F5	WHITE KIDNEY	1	51 1	31	68	3	N	8	5	7	7	3	88-150		
WAF 133	G21928x(G13088xA195)F5	WHITE KIDNEY	1	55 1	31	68	3	N	8	7	8	7	3	88-151		

Line	Cross	Cult. type	Seed			Days to										VEF		IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent		
WAF 134	G21928x(G13088xA195)F5	WHITE KIDNEY	1	32	1	31	64	.	N	.	5	8	8	3	87-158			
WAF 135	G21928x(G13088xA195)F5	WHITE KIDNEY	1	31	1	31	64	.	N	.	6	8	7	2	87-159			
WAF 136	G21928x(G13088xA195)F5	WHITE KIDNEY	1	34	1	31	67	.	N-M	.	5	8	7	3	87-160			
WAF 137	((A494x(G10030xG76)F1)F7xG3710)F1x...	WHITE KIDNEY	1	31	1	32	64	.	N	.	6	7	7	2	87-161			
WAF 138	((A494x(G10030xG76)F1)F7xG3710)F1x...	WHITE KIDNEY	1	34	1	32	67	.	N	.	8	7	6	3	87-162			
WAF 139	((A494x(G10030xG76)F1)F7xG6415)F1x...	WHITE KIDNEY	1	29	1	33	67	4	N	9	7	6	7	4	87-163	89		
WAF 140	((A494x(G10030xG76)F1)F7xG6415)F1x...	WHITE KIDNEY	1	31	1	32	67	.	N	.	7	8	6	3	87-164			
WAF 141	((A494x(G10030xG76)F1)F7xG6415)F1x...	WHITE KIDNEY	1	29	1	32	66	.	N	.	6	8	7	3	87-165			
WAF 142	((A494x(G10030xG76)F1)F7xG6415)F1x...	WHITE KIDNEY	1	33	1	33	67	.	N-M	.	7	7	7	3	87-166			
WAF 143	((A494x(G10030xG76)F1)F7xG6415)F1x...	WHITE KIDNEY	1	41	1	32	66	.	N	.	6	8	7	4	87-167			
WAF 144	((A494x(G10030xG76)F1)F7xG6415)F1x...	WHITE KIDNEY	1	30	1	33	66	.	N	.	6	8	8	3	87-168			
WAF 145	((A494x(G10030xG76)F1)F7xG6415)F1x...	WHITE KIDNEY	1	30	1	33	65	.	N-M	.	5	7	8	3	87-169			
WAF 146	(A494x(A208xG1853)F1)F7x((G13097x...	WHITE KIDNEY	1	41	1	32	75	6	N	8	8	6	6	4	88-152			
WAF 147	(A494x(A208xG1853)F1)F7x((G13097x...	WHITE KIDNEY	1	49	1	30	68	6	N	8	7	6	6	4	88-153			
WAF 148	WA2048x(WAF7xG3954)F1	WHITE KIDNEY	1	41	1	32	67	.	N	.	6	7	8	2	87-170	87		
WAF 149	WA2048x(WAF7xG3954)F1	WHITE KIDNEY	1	44	1	31	67	.	N	.	5	7	7	3	87-171			
WAF 150	WA2048x(WAF7xG3954)F1	WHITE KIDNEY	1	45	1	33	68	2	N	9	4	6	7	5	87-172	89		
WAF 151	(A494x(G10030xG76)F1)F6x(WAF7x...	WHITE KIDNEY	1	56	1	31	67	.	N	.	5	7	6	2	87-173	87		
WAF 152	(A494x(A208xG1853)F1)F6x((A494x(...	ALUBIA	1	33	1	33	75	.	N	8	5	6	7	4	88-18			
WAF 153	(A493x(S28544x(BAT1274xG7602)F1)F4)F1x((...	GREAT NORTHERN	1	34	2A	33	68	8	N	9	3	6	8	6	88-88			
WAF 154	(A494x(S28544x(A156xG7930)F1)F6)F1x((...	WHITE KIDNEY	1	25	1	30	59	.	N	.	2	8	7	4	87-174			
WAF 155	(A494x(S28544x(A156xG7930)F1)F6)F1x((...	WHITE KIDNEY	1	26	1	30	61	.	N-M	.	5	8	6	3	87-175			
WAF 156	(A494x(S28544x(A156xG7930)F1)F6)F1x((...	WHITE KIDNEY	1	53	1	31	81	1	N	8	9	7	6	7	88-154			
WAF 157	(A494x(S28544x(A156xG7930)F1)F6)F1x((...	WHITE KIDNEY	1	47	1	31	65	.	N-M	.	7	7	5	2	87-176			
WAF 158	(A494x(S28544x(A156xG7930)F1)F6)F1x((...	ALUBIA	1	41	1	31	74	4	N	9	3	7	6	3	88-19			
WAF 159	(A494x(S28544x(A156xG7930)F1)F6)F1x((...	WHITE KIDNEY	1	28	1	31	64	.	N	.	8	7	6	3	87-177			
WAF 160	(A494x(S28544x(A156xG7930)F1)F6)F1x((...	WHITE KIDNEY	1	33	1	30	64	.	N	.	8	7	5	3	87-178			
WAF 161	((A494x(S28544x(A156xG7930)F1)F6)F1x...	WHITE KIDNEY	1	24	1	32	65	.	N	.	8	8	7	2	87-179			
WAF 162	((A494x(S28544x(A156xG7930)F1)F6)F1x...	WHITE KIDNEY	1	29	1	32	69	.	N	.	8	8	7	4	87-180			
WAF 163	((A494x(S28544x(A156xG7930)F1)F6)F1x...	WHITE KIDNEY	1	47	1	30	68	.	N	.	8	8	6	3	87-181			
WAF 164	(A494x(S28544x(A156xG7930)F1)F6)F1x((...	WHITE KIDNEY	1	52	1	33	74	5	N	9	9	7	6	7	88-155			
WAF 165	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	51	1	36	69	.	N-M	.	8	7	5	4	87-182			
WAF 166	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	42	1	34	69	.	N	.	5	8	5	5	87-183			
WAF 167	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	32	1	34	65	.	N	.	2	8	6	5	87-184			
WAF 168	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	39	1	34	66	.	N	.	7	8	6	5	87-185			
WAF 169	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	49	1	35	67	.	N	.	6	7	5	3	87-186			
WAF 170	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	39	1	35	67	.	N	.	8	7	4	3	87-187	87		
WAF 171	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	37	1	35	69	.	N	.	6	7	5	3	87-188			
WAF 172	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	35	1	33	64	.	N	.	7	6	6	5	87-189	89		
WAF 173	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	48	1	33	69	.	N	.	8	6	4	4	87-190	89		
WAF 174	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	38	1	34	66	.	N	.	7	8	5	4	87-191			
WAF 175	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	39	1	34	67	3	N	9	7	6	6	5	87-192	89		
WAF 176	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	43	1	32	65	2	N	9	7	6	6	4	87-193	89		
WAF 177	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	46	1	35	68	.	N	.	6	7	4	4	87-194			
WAF 178	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	33	1	34	69	3	N	8	5	6	7	3	87-195	89		
WAF 179	WAF7x(A494x(A208xG1853)F1)F6	WHITE KIDNEY	1	30	1	33	67	.	N	.	8	7	6	4	87-196			
WTE 1	VRB81024xBAT1526	HONDURAS 46	6	22	3B	37	78	.	N-M	7	7	9	6	7	85-1432			
WTE 2	VRB81024xBAT1526	HONDURAS 46	6	23	3B	37	80	.	M	7	7	9	5	5	85-1433			
XAN 1	G4495xG5476		7	21	2	42	.	.	N	9	8	9	.	8	78-15			
XAN 2	G4495xG5476	NEGRO	8	21	3	41	.	.	N	8	8	7	.	8	78-16			
XAN 3	G4495xG5476	NEGRO	8	21	3	43	.	.	N	9	8	5	.	8	78-17			
XAN 4	G4495xG5476	NEGRO	8	21	2	39	75	.	M	5	8	5	5	8	79-137			
XAN 5	G4495xG5476	NEGRO	8	32	3	37	74	.	N	5	8	3	9	8	79-138			
XAN 6	G4495xG5476		4	32	3A	34	72	.	N	6	8	5	9	8	79-139			
XAN 7	G4495xG5476		8	32	2B	37	75	.	N	5	8	5	9	8	79-140			
XAN 8	G4495xG5476		2	21	2	36	71	.	N	5	2	7	9	8	79-141			

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust	Yr	Ent	YAN
XAN	9	G4495xG5476	4	32		34	71	.	M	6	8	7	7	8	79-142	
XAN	10	G5703xG3736	6	19	3	41	77	.	N	8	8	7	9	9	79-287	
XAN	11	G5703xG3736	6	11	3	43	.	.	N	8	7	5	1	7	80-327	
XAN	12	G3834xG5476	1	22	3	34	.	.	N	9	7	5	1	3	80-328	
XAN	13	G4454xG5476	4	17	3	42	.	.	N	9	9	3	1	9	80-329	
XAN	14	G3696xG5476	2	19	3	37	.	.	N	9	7	5	1	7	80-330	
XAN	15	G3130xG5476	8	22	2	34	.	.	N	9	5	3	1	9	80-331	
XAN	16	G3130xG5476	8	19	2	35	.	.	N	8	7	3	1	7	80-332	
XAN	17	G4454xG1320	8	17	2	37	.	.	N	9	3	7	1	7	80-333	
XAN	18	G4454xG1320	8	17	2	34	.	.	N	9	9	3	1	7	80-334	
XAN	19	G4454xG1320	8	19	2	36	.	4	N	9	9	3	1	7	80-335	81
XAN	20	G4454xG1320	8	19	2	35	.	.	N	9	1	3	1	7	80-336	
XAN	21	G4454xG1320	8	18	2	35	.	.	N	9	9	3	1	7	80-337	
XAN	22	(G3645xG3353)x(G1741xG5478)	8	19	2	40	.	.	N	9	9	5	1	5	80-338	
XAN	23	(G3645xG3353)x(G1741xG5478)	1	17	2	46	.	.	N	9	7	5	1	7	80-339	
XAN	24	(G3709xG1320)x(G4525xG5478)	2	20	2	39	.	.	N	9	3	5	1	5	80-340	
XAN	25	(G2115xG1320)x(G4792xG5477)	8	20		43	.	3	N	8	9	5	1	3	80-341	81
XAN	26	(G1741xG1320)x(G4792xG5477)	4	18	2	43	.	.	N	9	7	5	1	7	80-342	
XAN	27	(G2056xG1320)x(G4792xG5477)	3	17	2	37	.	.	N	8	5	7	1	5	80-343	
XAN	28	G2959xG5481	3	18	2	40	.	.	N	9	7	7	1	7	80-344	
XAN	29	G4460xG4485	8	20	1	35	.	.	N	9	3	7	1	7	80-345	
XAN	30	BAT47xG11894	7	21	2	36	.	.	N	9	5	3	1	5	80-346	
XAN	31	BAT47xBAT93	6	19	2	44	.	.	N	7	7	5	1	9	80-347	
XAN	32	BAT47xBAT93	6	16	3	44	.	.	N	7	9	5	1	7	80-348	
XAN	33	BAT47xBAT93	6	17	3	44	.	5	N	8	7	5	1	7	80-349	
XAN	34	BAT47xBAT93	6	16	2	45	.	.	N	8	7	7	1	7	80-350	
XAN	35	BAT47xBAT93	4	17	2	45	.	.	N	9	7	7	1	7	80-351	
XAN	36	BAT47xBAT93	6	19	3	40	.	.	N	9	3	5	1	7	80-352	82
XAN	37	BAT47xBAT93	5	21	2	37	.	6	N	9	3	3	1	5	80-353	
XAN	38	BAT44xBAT93	1	15	3	40	.	6	N	9	7	5	1	1	80-354	81
XAN	39	BAT44xBAT93	8	15	2	40	.	.	N	9	7	3	1	7	80-355	
XAN	40	BAT44xBAT93	8	19	2	37	.	.	N	9	5	3	1	1	80-356	81
XAN	41	BAT44xBAT93	8	16	2	40	.	.	N	9	5	3	1	3	80-357	
XAN	42	G6533xG14013	6M	40	2	37	.	.	N	9	3	5	1	5	80-358	
XAN	43	G6533xG14013	5M	37	2	36	.	.	N	9	3	5	1	5	80-359	82
XAN	44	G4025xBAT130	3M	25	2	40	.	.	N	9	5	3	1	1	80-360	
XAN	45	SEL10xSEL138	4	18	2	41	.	.	N	8	7	3	1	9	80-361	
XAN	46	SEL13xSEL81	4	16	2	38	.	.	N	9	5	5	1	7	80-362	
XAN	47	SEL13xSEL81	1	16	2	40	.	.	N	9	3	5	1	9	80-363	
XAN	48	SEL13xSEL84	1	15	2	41	.	.	N	9	7	5	1	7	80-364	
XAN	49	SEL13xSEL84	4	16	3	41	.	.	N	9	3	5	1	9	80-365	
XAN	50	SEL13xG8085	1	13	3	45	.	.	N	9	.	3	1	7	80-366	
XAN	51	SEL10xBAT946	1	23	3	40	.	.	N	9	9	3	1	9	80-367	
XAN	52	SEL10xSEL127	3	19	3	43	.	.	N	9	7	3	1	9	80-368	
XAN	53	SEL15xBAT946	1	17	2	41	.	.	N	9	9	7	1	9	80-369	
XAN	54	SEL15xSEL127	3	17	3	40	.	.	N	9	5	7	1	7	80-370	
XAN	55	BAT1040xBAT93	6	18	2	35	.	.	N	9	.	5	1	5	80-371	
XAN	56	BAT1040xBAT93	6	16	2	39	.	.	N	8	.	5	1	3	80-372	
XAN	57	BAT1040xBAT93	5	20	2	36	.	.	N	9	1	3	1	7	80-373	
XAN	58	BAT1040xBAT93	6	20	2	37	.	.	N	9	9	3	1	3	80-374	
XAN	59	BAT1040xBAT93	6	17	2	39	.	.	N	9	5	5	1	7	80-375	
XAN	60	G11492xBAT93	3	18	2	37	.	.	N	9	3	5	1	7	80-376	
XAN	61	G11492xBAT93	3	16	2	40	.	.	N	6	5	5	1	7	80-377	
XAN	62	G11492xBAT93	3	24	2	39	.	.	N	8	5	5	1	7	80-378	
XAN	63	A23xBAT93	3M	23	2	41	.	4	N	9	3	3	1	7	80-379	
XAN	64	A23xBAT93	2	18	2	37	.	.	N	9	7	5	1	7	80-380	

Line	Cross	Cult. type	Seed			Days to								VEF Yr Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust
XAN 65	BAT160xBAT614		2	17	2	38	.	.	N	8	9	5	1	7	80-381	
XAN 66	BAT160xBAT614		4	20	2	37	.	1	N	8	5	3	1	7	80-382	82
XAN 67	BAT160xBAT93	NEGRO OPACO	8	20	2	39	.	.	N	9	.	5	1	7	80-383	
XAN 68	BAT160xBAT93		3	19	2	39	.	2	N	8	1	5	1	7	80-384	82
XAN 69	BAT331xSEL18	NEGRO OPACO	8	18	2	44	.	.	N	9	9	5	1	7	80-385	
XAN 70	BAT331xG11899		3	17		37	.	.	N	9	9	5	1	7	80-386	
XAN 71	BAT331xG11899		3	18	2	37	.	.	N	9	7	5	1	7	80-387	
XAN 72	BAT331xG11899		3	16		37	.	.	N	9	7	5	1	7	80-388	
XAN 73	BAT331xBAT614	NEGRO OPACO	8	16	2	40	.	.	N	9	9	5	1	7	80-389	
XAN 74	BAT331xBAT614		3	18	2	39	.	.	N	9	9	3	1	7	80-390	
XAN 75	BAT331xBAT614		3	19	2	40	.	.	N	7	9	3	1	9	80-391	
XAN 76	BAT331xBAT93		3	21	2	40	.	3	N	8	3	5	1	7	80-392	81
XAN 77	BAT338xG11899		1	17		36	.	.	N	9	3	3	1	1	80-393	
XAN 78	BAT338xBAT614	NEGRO BRILLANTE	8	18	2	40	.	1	N	8	5	3	1	5	80-394	81
XAN 79	BAT449xBAT93	NEGRO OPACO	8	19	2	39	.	.	N	9	7	7	1	3	80-395	
XAN 80	BAT331xG6377	NEGRO BRILLANTE	8	14	2	40	.	.	N	9	3	3	1	7	80-396	
XAN 81	BAT93xG11897		3M	27	2	37	.	.	N	9	5	3	1	3	80-397	
XAN 82	(G1741xG1320) x (G3709xG5477)					.	.	.	N	.	.	.	.	.	.
XAN 83	G11492xBAT93		5	23	2	43	75	.	N	.	8	6	4	9	81-862	
XAN 84	BAT1039xSEL2		6	.	3	43	78	.	N	.	8	7	2	7	81-330	
XAN 85	G11492xBAT93		2	20	2	42	73	.	N	.	8	6	2	9	81-584	
XAN 86	DOR15xSEL34	NEGRO OPACO	8	17	3	40	74	.	N	.	6	7	5	3	81-112	
XAN 87	BAT450xSEL29	NEGRO OPACO	8	22	3	40	76	1	N	.	7	4	3	3	81-113	83
XAN 88	G14013xBAT93		7M	22	2	40	76	.	N	.	6	5	2	7	81-458	
XAN 89	G14013xBAT93		6M	21	1	37	78	.	N	.	5	7	5	7	81-331	
XAN 90	BAT930xBAT93		6	22	2	42	79	4	N	.	3	5	5	9	81-332	
XAN 91	BAT445xG4399		4	17	2,3	41	72	.	N	.	7	4	4	7	81-843	
XAN 92	BAT445xG4399		4	20	2	42	73	.	N	.	7	7	3	3	81-585	
XAN 93	BAT552xKAN41	NEGRO OPACO	8	21	2	42	76	1	N	.	7	6	3	3	81-114	83
XAN 94	BAT41xBAT93		6	19	2	43	79	4	N	.	8	5	2	5	81-333	83
XAN 95	BAT1155xSEL150		6	18	2	37	74	.	N	.	8	5	2	7	81-334	
XAN 96	BAT331xBAT614	NEGRO OPACO	8	18	2	41	74	.	N	.	8	5	3	9	81-115	
XAN 97	BAT1040xBAT93		6	20	2	42	75	.	N	.	7	5	4	3	81-335	
XAN 98	DOR3xSEL2		6	18	2	43	76	.	N	.	7	8	4	9	81-336	
XAN 99	BAT1039xSEL2		6	19	2,3	44	78	.	N	.	8	7	3	5	81-337	
XAN 100	BAT1039xSEL2		6	18	3	43	77	.	N	.	8	7	1	5	81-338	
XAN 101	BAT1039xSEL2		6	17	2	44	77	.	N	.	8	7	2	9	81-339	
XAN 102	BAT1039xSEL2		6	19	3	44	77	.	N	.	8	7	1	7	81-340	
XAN 103	BAT740xBAT93		6	18	3	39	73	.	N	.	7	6	3	9	81-341	
XAN 104	G11509xBAT93	MULATINHO	3	21	2	42	76	4	N	.	2	6	7	5	81-844	
XAN 105	G11509xBAT93	MULATINHO	3	27	2	42	77	6	N	.	5	5	3	7	81-845	83
XAN 106	DOR15xSEL34	NEGRO OPACO	8	16	2	41	71	.	N	.	8	6	3	7	81-116	
XAN 107	DOR15xSEL34	NEGRO OPACO	8	18	2	40	73	.	N	.	8	6	5	5	81-117	
XAN 108	DOR15xSEL34	NEGRO OPACO	8	17	3	39	72	3	N	.	7	6	7	3	81-118	
XAN 109	DOR15xSEL34	NEGRO OPACO	8	18	2	42	77	3	N	.	8	6	4	3	81-119	83
XAN 110	BAT901xBAT93		6	21	2	41	73	.	N	.	2	7	3	5	81-342	
XAN 111	BAT1102xBAT93		6	21	2	39	77	.	N	.	7	7	5	3	81-343	
XAN 112	XAN18xSEL26	NEGRO OPACO	8	22	2	38	66	2	N	.	4	4	7	9	81-120	83
XAN 113	XAN18xSEL26	NEGRO OPACO	8	26	3	38	72	.	N	.	7	4	7	9	81-121	
XAN 114	XAN18xSEL26	NEGRO OPACO	8	18	3	38	71	.	N	.	8	5	6	7	81-122	
XAN 115	XAN18xSEL26	NEGRO OPACO	8	19	3	39	71	.	N	.	8	6	6	7	81-123	
XAN 116	XAN18xSEL26	NEGRO OPACO	8	20	3	38	69	2	N	.	8	4	3	7	81-124	
XAN 117	BAT76xKAN18	NEGRO SEMIBRILLA	8	17	3	38	69	3	N	.	6	6	5	3	81-125	
XAN 118	BAT445xKAN18	NEGRO OPACO	8	18	2	40	72	.	N	.	8	6	5	7	81-126	
XAN 119	XAN18xKAN15	NEGRO OPACO	8	20	3	39	72	.	N	.	8	6	5	7	81-127	
XAN 120	DOR42xKAN18	NEGRO OPACO	8	16	3	42	78	.	N	.	7	6	2	7	81-128	

Line	Cross	Cult. type	Seed			Days to							Rust	Yr	VEF Ent	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB					ALS
XAN 121	DOR42xXAN18	NEGRO OPACO	8	19	3	43	77	.	N	.	8	6	7	7	81-129	
XAN 122	G5132xBAT887	ESTRADA	5R	29	2	38	64	4	N	.	2	6	1	5	81-459	
XAN 123	G13499xXAN18	NEGRO OPACO	8	17	3	39	69	.	N	.	7	6	6	7	81-130	
XAN 124	XAN73xXAN81		3M	16	3	44	81	.	N	.	8	8	2	9	81-863	
XAN 125	XAN80xXAN51	GREAT NORTHERN	1	21	3	41	77	1	N	.	2	5	5	9	81-500	82
XAN 126	BAT1061xXAN51		1	20	2	41	77	.	N	.	8	5	3	9	81-501	
XAN 127	XAN68xBAT838		4	22	2	41	75	.	N	.	3	7	6	9	81-586	
XAN 128	XAN68xBAT838	BAYO ANDINO	2	22	2	42	76	1	N	.	7	7	4	9	81-587	
XAN 129	BAT41xBAT93		6	16	2	38	69	.	N	.	6	7	3	7	81-344	
XAN 130	BAT41xBAT93		6	15	2	38	68	.	N	.	7	7	3	7	81-345	
XAN 131	DOR42xXAN17	NEGRO OPACO	8	18	3	41	69	.	N	.	8	5	5	7	81-131	
XAN 132	BAT1155xSEL150		6	18	2	42	68	.	N	.	8	5	1	9	81-346	
XAN 133	XAN71xXAN65		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 134	BAT338xXAN51		1	20	3A	40	75	2	N	9	7	5	7	5	83-788	
XAN 135	BAT338xXAN51		1	20	3A	39	70	.	N	8	9	4	5	1	83-796	83
XAN 136	XAN68xBAT838		2	21	2B	36	73	.	N	.	6	5	4	5	83-1020	
XAN 137	G5147xG14013		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 138	XAN18xSEL26		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 139	XAN18xSEL26		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 140	G13499xXAN18		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 141	XAN18xSEL26	NEGRO	8	24	2B	33	64	2	N	9	7	7	3	3	83-81	
XAN 142	BAT76xXAN82		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 143	BAT41xBAT93		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 144	DOR41xXAN18	NEGRO	8	27	2B	35	64	.	N	9	8	7	4	3	83-82	
XAN 145	BAT76xXAN18	NEGRO	8	20	2B	37	64	4	N	9	4	5	5	3	83-83	
XAN 146	BAT847xXAN18	NEGRO	8	16	2B	36	64	3	N	9	4	5	6	3	83-84	
XAN 147	XAN57xXAN41	NEGRO	8	25	2B	45	77	4	N	9	2	6	5	1	83-85	84
XAN 148	XAN57xXAN41	NEGRO	8	16	2B	42	74	6	N	8	5	6	3	5	83-86	
XAN 149	BAT76xXAN82	NEGRO	8	20	2B	40	74	3	N	9	6	5	4	1	83-87	
XAN 150	BAT76xXAN82	NEGRO	8	20	2B	42	74	4	N	9	8	7	3	5	83-88	
XAN 151	BAT832xXAN82	NEGRO	8	20	2B	42	77	1	N	8	6	5	5	1	83-89	85
XAN 152	BAT832xXAN82	NEGRO	8	21	2A	42	74	.	N	9	7	5	4	1	83-24	
XAN 153	BAT832xXAN82	NEGRO	8	22	2A	42	72	3	N	9	8	7	5	7	83-25	
XAN 154	BAT832xXAN82	NEGRO	8	20	2A	36	76	2	N	9	6	6	5	3	83-26	85
XAN 155	BAT930xBAT93		6	21	2A	38	76	1	N	9	8	5	2	3	83-139	85
XAN 156	G5147xG14013		6M	40	1	36	73	4	N	9	4	6	6	1	83-480	85
XAN 157	BAT76xXAN82		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 158	BAT832xXAN82	NEGRO OPACO	8	22	2A	50	84	1	N	7	7	8	5	5	84-31	
XAN 159	((G4449xG10022)xG40020)xG4509		8J	24	.	33	66	.	M-N	6	4	4	5	5	85-1434	
XAN 160	((G4449xG10022)xG40020)xG4509		.	.	.	.	.	.	M-N	.	.	.	.	.	.
XAN 161	((G4449xG10022)xG40020)xG4509		.	.	.	.	.	.	M-N	.	.	.	.	.	.
XAN 162	BAT930xBAT93	ZAMORANO	6	21	2B	46	76	.	N	7	8	4	6	7	84-154	
XAN 163	DOR125xXAN58	HONDURAS 46	6	22	2A	49	80	.	N	7	7	7	6	7	84-155	
XAN 164	BAT930xBAT93		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 165	XAN84x(BAT883x(G6616xSEL108))		.	.	.	.	.	.	M	.	.	.	.	.	.
XAN 166	XAN84x(BAT883x(G6616xSEL108))		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 167	BAT84x(BAT41xBAT93)		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 168	BAT794x(BAT41xBAT93)		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 169	BAT1336xBAT1339		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 170	G14013x(G14013x(G4494x(G76x...		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 171	G14013x(G14013x(G4494x(G76x...		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 172	BAT1225xBAT1254		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 173	BAT1226x(G13922xBAT950)		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 174	DOR41xXAN112	NEGRO OPACO	8	22	2	36	71	.	N	6	7	5	7	9	85-1435	
XAN 175	DOR41xXAN87		.	.	.	.	.	.	N	.	.	.	.	.	.
XAN 176	BAT304xXAN87	NEGRO OPACO	8	22	2	36	68	.	N	6	7	5	7	9	85-1436	

Line	Cross	Cult. type	Seed			Days to								VEF	IB	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
XAN 177	BAT304xXAN87	NEGRO OPACO	8	22	2	36	71	.	N	6	7	7	5	5	85-1437	
XAN 178	BAT304xXAN87	NEGRO OPACO	8	20	3	33	71	1	N	9	7	7	8	7	85-1438	87
XAN 179	BAT304xXAN112								N							
XAN 180	G4495xXAN112	NEGRO OPACO	8	23	2	36	68	.	N	6	6	4	5	7	85-1439	87
XAN 181	BAT304xXAN40								N							
XAN 182	BAT58xXAN112	NEGRO OPACO	8	24	2	35	68	1	N	7	7	8	8	8	85-1440	87
XAN 183	BAT58xXAN112	NEGRO OPACO	8	23	2	36	73	.	N	6	8	6	6	9	85-1441	
XAN 184	DOR44xXAN87	NEGRO OPACO	8	20	2	37	73	.	N	5	7	6	5	5	85-1442	
XAN 185	DOR44xXAN87								N							
XAN 186	XAN87xG4525	NEGRO OPACO	8	22	2	37	71	.	N	6	6	6	6	5	85-1443	87
XAN 187	XAN112xDOR15	NEGRO OPACO	8	19	2	35	68	2	N	9	8	8	8	7	85-1444	87
XAN 188	DOR44xXAN112	NEGRO OPACO	8	19	2	37	71	.	N	.	6	6	5	9	85-1445	87
XAN 189	DOR42xXAN112								N							
XAN 190	XAN112xBAT76	NEGRO OPACO	8	21	2	37	68	.	N	6	5	7	5	5	85-1446	
XAN 191	XAN84xBAT1099	HONDURAS 46	6	19	2	42	68	.	N	5	4	6	.	5	85-1447	87
XAN 192	XAN31xBAT1311	HONDURAS 46	6	18	2	37	68	.	N	6	5	6	3	5	85-1448	87
XAN 193	BAT1338xXAN31	HONDURAS 46	6	24	2A	39	68	.	N	6	5	7	3	5	85-1449	
XAN 194	XAN31xBAT1340	HONDURAS 46	6	23	2	39	68	.	N	6	4	6	5	5	85-1450	87
XAN 195	XAN88xSEL189	ESTRADA	5M	32	2	41	80	.	N	6	3	5	4	5	85-1451	87
XAN 196	DOR41xXAN112	NEGRO OPACO	8	22	2B	36	73	.	N	9	7	7	6	4	86-93	
XAN 197	DOR41xXAN87	NEGRO OPACO	8	20	2B	38	71	.	N	9	7	7	6	5	86-94	
XAN 198	G4495xXAN112	NEGRO OPACO	8	23	2B	33	65	.	N	9	8	6	7	6	86-95	88
XAN 199	XAN112xG4525	NEGRO OPACO	8	23	3	37	70	.	N	8	6	6	8	8	86-96	89
XAN 200	XAN87xG4525	NEGRO OPACO	8	19	2A	39	71	.	N	7	8	6	7	7	86-97	
XAN 201	XAN19xG4525	NEGRO OPACO	8	23	2B	36	71	.	N	8	7	5	7	7	86-98	
XAN 202	DOR44xXAN112	NEGRO OPACO	8	20	2A	41	71	.	N	9	7	6	7	8	86-99	89
XAN 203	DOR42xXAN112	NEGRO OPACO	8	21	2B	38	70	.	N	9	7	4	7	6	86-100	
XAN 204	DOR60xXAN112	NEGRO OPACO	8	20	2A	39	68	.	N	9	7	4	6	7	86-101	
XAN 205	DOR60xXAN112	NEGRO OPACO	8	22	2A	36	66	.	N	8	8	4	6	7	86-102	
XAN 206	DOR60xXAN112	NEGRO OPACO	8	19	2A	35	66	.	N	7	7	7	6	7	86-103	88
XAN 207	DOR60xXAN112	NEGRO OPACO	8	19	2A	37	72	.	N	9	7	6	7	8	86-104	
XAN 208	XAN112xSEL554	NEGRO OPACO	8	20	2A	38	68	.	N	9	6	4	7	8	86-105	88
XAN 209	DOR44xSEL563	NEGRO OPACO	8	19	2B	38	68	.	N	9	7	4	5	7	86-106	
XAN 210	DOR44xSEL491	NEGRO OPACO	8	20	2B	37	68	.	N	8	7	7	7	7	86-107	
XAN 211	XAN112xSEL551	NEGRO OPACO	8	22	2B	38	71	.	N	9	7	4	7	8	86-108	
XAN 212	DOR42xSEL579	NEGRO OPACO	8	21	2B	38	72	.	N	9	8	4	6	8	86-109	
XAN 213	DOR42xSEL579	NEGRO OPACO	8	20	2B	39	70	.	N	9	7	4	6	8	86-110	
XAN 214	DOR44xXAN87	NEGRO OPACO	8	19	2B	38	69	.	N	9	6	7	6	7	86-111	
XAN 215	XAN87xG4525								N							
XAN 216	BAT304xXAN112	NEGRO SEMIBRILLA	8	22	2	35	67	2	N-M	9	8	7	8	7	87-569	
XAN 217	XAN87xDOR15	NEGRO SEMIBRILLA	8	23	2	36	69	.	N-M	.	3	7	6	7	87-570	
XAN 218	XAN87xDOR15	NEGRO SEMIBRILLA	8	21	2B	35	67	3	N	8	8	6	7	6	87-571	
XAN 219	XAN112xG4525	NEGRO SEMIBRILLA	8	21	2B	35	66	1	N	8	8	7	7	7	87-572	
XAN 220	DOR60xXAN112	NEGRO SEMIBRILLA	8	23	2	37	69	3	N	8	8	7	7	7	87-573	
XAN 221	DOR44xXAN87								N							
XAN 222	XAN112xG4525								N							
XAN 223	DOR44xXAN112								N							
XAN 224	DOR44xXAN112								N							
XAN 225	DOR60xXAN112								N							
XAN 226	DOR60xSEL596								N							
XAN 227	XAN112xSEL418								N							
XAN 228	DOR44xSEL562	NEGRO	8	21	2B	34	76	.	N-M	8	7	5	7	6	88-933	
XAN 229	DOR44xSEL563								N-M							
XAN 230	BAT58xSEL487								N-M							
XAN 231	XAN112xSEL548								N-M							
XAN 232	XAN87xSEL518								N-M							

Line	Cross	Cult. type	Seed			Days to								VRF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS			Rust	Yr	Ent	YAN
XAN 233	KAN87xSEL524		N-M
XAN 234	BAT304xSEL446		N-M
XAN 235	BAT304xSEL452		N-M
XAN 236	XAN91xBAT1320	NEGRO	8	17	2A	41	76	1	N	8	8	5	7	6	88-917		
XAN 237	SEL258xBAT1412	FRIJOLICA P11	6M	36	1	35	69	3	N	8	9	6	6	3	87-533		
XAN 238	G6616x(G6616xXAN160)		N
XAN 239	G6616x(G6616xXAN160)	POMPADOUR	7M	39	2	32	67	3	N	9	6	7	7	6	87-544		
XAN 240	G6616x(G6616x(G6616xXAN160))	POMPADOUR	7M	36	1	31	65	.	M	.	1	7	6	3	87-545		
XAN 241	BAT1386x(BAT1386xSEL687)	POMPADOUR	7M	30	1	32	65	3	M	9	2	6	7	3	87-546	89	
XAN 242	BAT1386x(XAN159x(SEL365xBAT1386))	POMPADOUR	7M	28	1	32	63	.	M	.	7	7	7	3	87-547		
XAN 243	G6616x(G6616x(G6616x(G6616x...	POMPADOUR	7M	33	1	31	58	.	M	.	2	7	8	2	87-548	89	
XAN 244	G6616x(G6616x(BAT1113xXAN159))	POMPADOUR	7M	31	1	32	63	.	M	.	5	7	5	2	87-549		
XAN 245	G6616x(G6616x(BAT1113xXAN159))	POMPADOUR	7M	34	1	31	61	.	M	.	1	7	6	2	87-550		
XAN 246	BAT1386x(BAT1386x(BAT1386x(XAN159x(...	POMPADOUR	6M	35	1	32	67	1	M	9	2	7	7	4	87-551	89	
XAN 247	BAT1386x(BAT1386x(BAT1386xXAN159))	POMPADOUR	7M	32	1	32	66	3	M	8	2	6	7	3	87-552	89	
XAN 248	BAT1386x(BAT1386x(BAT1386xXAN159))	POMPADOUR	6M	37	1	32	65	3	M	8	3	6	6	3	87-553	89	
XAN 249	DOR164x(SEL270xBAT1514)	POMPADOUR	7M	32	1	29	58	.	M	.	2	7	6	2	87-554	89	
XAN 250	XAN236x(BAT496xXAN143)	NEGRO	8	18	2A	40	70	.	M	.	1	.	6	5	89-597		
XAN 251	RAB73xSEL755	RED MEXICAN	6	23	2B	40	68	.	N	.	7	.	3	6	89-444		
XAN 252	RAB39xXAN90	HONDURAS 46	6	24	2B	38	63	.	N	.	7	8	7	7	89-332		
XAN 253	XAN236xBAT1192	MEXICO 80	6	20	2N	35	62	.	N	.	7	.	7	4	89-350		
XAN 254	XAN176xIN63	NEGRO	8	23	2B	39	67	.	N	.	8	.	7	7	89-612		
XAN 255	XAN236xBAT1500	NEGRO	8	22	2A	34	68	.	N	.	7	.	7	7	89-613		
XAN 256	XAN236xBAT1192	CHUMBINHO	4	17	2A	38	66	.	N	.	8	.	6	7	89-228		
XAN 257	XAN236x(BAT496xXAN143)	NEGRO	8	22	2A	38	66	.	N	.	8	8	7	8	89-614		
XAN 258	XAN236x(BAT496xXAN143)	MEXICO 80	6	20	2A	38	63	.	N	.	8	7	7	4	89-351		
XAN 259	XAN236x(BAT496xXAN143)	NEGRO	8	18	2A	39	66	.	N	.	6	8	6	8	89-622		
XAN 260	SEL868xPAD85		N
XAN 261	SEL868xPAD85		N
XAN 262	RAB39xXAN90	HONDURAS 46	6	25	2A	38	64	.	N	.	8	8	8	6	89-339		
XAN 263	RAB73xSEL755	ZAMORANO	6	25	2A	40	65	.	N	.	8	.	7	7	89-510		
XAN 264	BAT1500xSEL813	RED MEXICAN	6	24	2B	39	63	.	N	.	8	7	7	7	89-448		
XAN 265	SEL868xPAD82	MWEZI MOJA	7M	39	1	32	62	.	N	.	8	7	7	4	89-352		
XAN 266	XAN253xXAN250		N
XAN 267	XAN91x(BAT58x(G4830x(G4830x...	NEGRO	8	22	2B	39	67	.	N	.	6	6	7	7	91-456		
XAN 268	IN102xG6772		N
XAN 269	G5909xDOR308	NEGRO	8	22	2B	41	72	.	N	.	8	6	3	7	91-457		
XAN 270	G5909xXAN236	NEGRO OPACO	8	20	2A	37	77	.	N	.	2	5	7	8	93-582		
XAN 271	G5911xXAN236		N
XAN 272	G6097xDOR308		N
XAN 273	G6097xXAN236	NEGRO OPACO	8	17	2A	38	79	.	N	.	1	4	7	7	93-583		
XAN 274	XAN253xSEL943		N
XAN 275	SEL986xXAN263	HONDURAS 46	6	26	2A	41	72	.	N	.	8	4	7	7	91-193		
XAN 276	SEL986xXAN263		N
XAN 277	(XAN236xXAN210)x(A283x(IN97x(...	NEGRO	8	22	2A	38	69	.	M	.	8	6	7	6	91-458		
XAN 278	(XAN236xXAN196)x(BAT1432x(IN97x(...	NEGRO	8	20	2B	41	75	.	N	.	7	5	7	7	91-459		
XAN 279	(XAN236xXAN196)x(BAT1432x(IN97x(...	NEGRO	8	20	2B	42	76	.	N	.	7	5	7	7	91-460		
XAN 280	(XAN236xXAN196)x(BAT1432x(IN97x(...	NEGRO	8	19	2B	43	75	.	N	.	7	5	8	7	91-461		
XAN 281	IN102xG3916		N
XAN 282	G5911xXAN236		N
XAN 283	G5911xXAN236	NEGRO	8	20	2A	43	75	.	M-N	.	7	5	7	7	91-462		
XAN 284	G5911xXAN236	NEGRO	8	16	2A	43	72	.	N	.	7	6	7	7	91-463		
XAN 285	G6097xXAN236	NEGRO	8	17	2A	41	72	.	N	.	7	5	7	7	91-464		
XAN 286	SEL931xDOR308	ZAMORANO	6	20	2B	40	71	.	N	.	6	6	5	6	91-185		
XAN 287	RAB205xSEL986	ZAMORANO	6	24	3	38	67	.	N	.	5	6	7	7	91-312		
XAN 288	RAB205xSEL986	ZAMORANO	6	25	2A	39	69	.	N	.	8	5	7	6	91-186		

Line	Cross	Cult. type	Seed			Days to								VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
XAN	289	MCD2004xSEL986	ZAMORANO	6	24	2B	37	58	.	N	.	8	6	8	7	91-187	
XAN	290	MCD2004xXAN263	ZAMORANO	6	22	2A	36	66	.	N	.	7	5	8	7	91-313	
XAN	291	SEL986xXAN263	ZAMORANO	6	26	2B	41	72	.	N	.	8	5	8	5	91-188	
XAN	292	SEL1152x(RAB495x(RAB292xG6385))	ZAMORANO	6	17	2B	38	74	.	N	.	6	5	7	5	92-452	
XAN	293	SEL1152x(RAB495x(RAB292xG6385))	HONDURAS 46	6	26	2B	38	72	.	N	.	6	5	7	5	92-463	
XAN	294	G5911xXAN236	NEGRO	8	20	2	39	75	.	N	.	7	6	5	5	92-761	
XAN	295	G5911xXAN236	NEGRO	8	19		39	75	.	N	.	6	6	5	6	92-762	
XAN	296	G3916xXAN236	NEGRO	8	16		39	76	.	N-M	.	3	3	7	7	92-763	
XAN	297	XAN263x(RAO16xBAT1654)	ZAMORANO	6	27	2A	38	71	.	N	.	6	6	7	6	92-624	
XAN	298	XAN263x(RAO16xBAT1654)	ZAMORANO	6	23	2A	38	71	.	N	.	6	6	7	6	92-625	
XAN	299	XAN263x(RAO16xBAT1654)	HONDURAS 46	6	29	2	39	72	.	N	.	7	6	7	6	92-464	
XAN	300	XAN263x(MCD2004x(MCD2004xXAN263))	HONDURAS 46	6	25	2B	36	67	.	N	.	7	5	8	6	92-465	
XAN	301	XAN263x(MCD2004x(MCD2004xXAN263))	HONDURAS 46	6	22	2B	36	70	.	N	.	7	5	7	6	92-466	
XAN	302	XAN263x(MCD2004x(MCD2004xXAN263))	ZAMORANO	6	24	2A	35	70	.	N	.	7	4	7	5	92-453	
XAN	303	SEL960xDOR370	ZAMORANO	6	23	2A	35	69	.	N	.	6	7	7	5	92-626	
XAN	304	G3916xXAN236	NEGRO OPACO	8	19	2A	39	81	.	N	.	7	5	7	6	93-584	
XAN	305	G5911xXAN236	NEGRO OPACO	8	18	2	38	79	.	N	.	6	6	7	6	93-585	
XAN	306	G5911xXAN236	NEGRO OPACO	8	19	2A	38	77	.	N	.	6	5	6	5	93-586	
XAN	307	RAB205xXAN263	HONDURAS 46	6	23	2B	39	77	.	N	.	6	5	7	7	93-320	
XAN	308	MCD2004xXAN253	ZAMORANO	6	27	2B	35	79	.	N	.	8	5	9	4	93-267	
XAN	309	SEL986xXAN263	ZAMORANO	6	26	2B	35	74	.	N	.	7	5	8	7	93-268	
XAN	310	SEL986xXAN263	ZAMORANO	6	28	2B	35	77	.	N	.	8	4	7	8	93-269	
XAN	311	XAN263x(DOR364x(G4017xDOR368))	MEXICO 80	6	22	2B	38	79	.	N	.	6	5	7	8	93-400	
XAN	312	SEL1152x(RAB495x(RAB292xG6385))	HONDURAS 46	6	20	2B	38	77	.	N	.	5	5	7	7	93-321	
XAN	313	XAN262xG18168	ROJO DE SEDA	6	29	1	32	70	.	N	.	1	6	7	5	93-442	
XAN	314	XAN263x(XAN263x(RAB205x(RAB205x...))	ZAMORANO	6	25	2B	35	75	.	N	.	5	5	7	7	93-270	
XAN	315	XAN263x(XAN263x(RAB205x(RAB205x...))	HONDURAS 46	6	26	2B	35	68	.	N	.	8	6	8	7	93-322	
XAN	316	RAB292xXAN90	HONDURAS 46	6	21	2A	38	79	.	N	.	8	4	7	5	93-323	
XAN	317	RAB292xXAN90	HONDURAS 46	6	21	2A	35	77	.	N	.	8	6	7	3	93-324	
ZAA	1	G4450xG8108	CALIMA	6M	49	1	42	75	.	M	.	8	9	7	5	84-166	
ZAA	2	G4450xG8108	DUVA	6	46	1	41	73	.	N	.	8	9	6	5	84-167	89
ZAA	3	G4450xG8108	DUVA	6	45	1	41	73	.	N	.	8	7	6	6	84-168	
ZAA	4	BAT1297xBAT1274	SNAP BEAN	1	25	1	42	73	.	N	.	9	9	8	5	84-476	
ZAA	5	G8106xYC-2	GUALI	7M	39	1	42	78	3	N	.	8	5	6	6	84-169	86
ZAA	6	G8106xYC-2	MWEZI MOJA	7M	46	1	42	77	1	N	.	7	8	7	5	84-170	86
ZAA	7	G8106xYC-2	GUALI	7M	55	1	43	77	.	M	.	8	9	6	6	84-171	
ZAA	8	G8106xYC-2	GUALI	6M	52	1	42	77	1	N	.	7	9	6	6	84-172	86
ZAA	9	G8106xYC-2	GUALI	6M	43	1	42	77	.	N	.	8	8	6	6	84-173	
ZAA	10	G8106xYC-2	CALIMA	6M	47	1	42	77	.	M	.	8	9	5	5	84-174	
ZAA	11	G8106xYC-2	CALIMA	6M	53	1	43	79	.	M	.	8	6	7	7	84-175	
ZAA	12	G8106xNY76-2812-15	GUALI	6M	36	1	42	80	.	N	.	8	4	6	4	84-176	
ZAA	13	G8106xG8047	MWEZI MOJA	7M	38	3	49	89	T	N	.	7	5	8	6	84-177	86
ZAA	14	G8106x(G5416xG9152)	DUVA	6	43	1	43	76	2	M	.	8	7	6	5	84-178	86
ZAA	15	G8106xMALAWI2	NEGRO SEMIBRILLA	8	35	1	43	77	1	M	.	8	6	8	5	84-179	86
ZAA	16	G8106xMALAWI2	NEGRO SEMIBRILLA	8	36	1	42	76	1	M	.	8	5	8	5	84-180	86
ZAA	17	BAT1312xG6592	BAYO ANDINO	2	37	1	44	85	6	M	.	8	7	7	6	84-181	86
ZAA	18	BAT1312xG6592	BAYO ANDINO	2	43	2B	44	86	3	N-M	.	8	5	7	5	84-182	
ZAA	19	BAT1312xG6592	RED KIDNEY	5	37	2B	41	85	7	N	.	8	4	6	5	84-183	86
ZAA	20	BAT1312xG6592	RED KIDNEY	5	39	2B	44	85	3	N	.	8	8	7	6	84-184	86
ZAA	21	BAT1312xG6592	JALO/MANTECA	2	34	2B	44	80	.	M	.	8	5	9	5	84-185	
ZAA	22	BAT1312xG6592	MULATINHO	2	28	1	44	85	.	M	.	8	3	8	6	84-186	
ZAA	23	BAT1333xG6592		7	29	3	49	89	.	M-N	.	8	7	7	6	84-187	
ZAA	24	BAT1333xG6592	HONDURAS 46	7	28	3	44	80	.	M	.	7	6	9	6	84-188	
ZAA	25	BAT1333xG6592		7	27	3	44	85	2	N	.	8	6	8	7	84-189	86
ZAA	26	BAT1230xG6592	BAT 1297	6M	32	3	44	91	3	N-M	.	7	3	9	7	84-190	
ZAA	27	BAT1230xG6592	GUALI	7M	35	1	47	86	.	N	.	7	6	9	7	84-191	

Line	Cross	Cult. type	Seed			Days to								Yr	VEF Ent	IB YAN	
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS				Rust
ZAA	28	G13400xA63		5	54	1	44	89	.	M	7	3	5	7	3	84-192	
ZAA	29	S24974xG4450	DUVA	7	41	1	47	87	.	N	7	8	8	7	5	84-193	
ZAA	30	S24974xG4450	RED MEXICAN	7	41	1	44	87	.	M	7	4	7	7	3	84-194	
ZAA	31	G13794xG1310	TUNDAMA	7M	46	1	41	78	.	M	6	8	6	4	3	84-195	
ZAA	32	MW-80-313xG3710	RED KIDNEY	2	56	1	41	76	.	M	7	6	6	7	3	84-196	
ZAA	33	G6592xG76	BAYO ANDINO	2	47	1	41	80	3	M	7	8	7	7	3	84-197	86
ZAA	34	G13936xG6416	POMPADOUR	6M	44	1	41	84	.	M	6	3	6	8	3	84-198	
ZAA	35	(G8108xG12530) x (G8108xBAT1235)	TUNDAMA	6M	36	1	42	73	.	M	7	5	6	6	3	84-199	
ZAA	36	(G8108xG12530) x (G8108xBAT1235)	TUNDAMA	6M	38	1	41	77	.	M	7	5	5	6	3	84-200	
ZAA	37	(G8108xG12530) x (G8108xBAT1235)	TUNDAMA	6M	41	1	41	77	.	M	8	5	6	7	3	84-201	
ZAA	38	ICA10006xA116	ARGENTINO	7	52	1	42	80	.	N	7	6	7	8	3	84-202	
ZAA	39	G12488x (S25083xG4017)	CALIMA	6M	51	1	44	85	.	M	7	5	6	7	3	84-203	
ZAA	40	G12488x (S25083xG4017)	TUNDAMA	6M	48	1	42	85	.	M	5	8	6	8	3	84-204	
ZAA	41	G12488x (S25083xG4017)	POMPADOUR	6M	38	1	42	78	.	M	7	4	6	8	3	84-205	
ZAA	42	(G12670xG5701) x (G6342xG4017)	NIMA	6M	38	1	41	77	.	M	6	5	7	8	3	84-206	
ZAA	43	(G12670xG5701) x (G6342xG4017)	NIMA	6M	43	1	45	85	.	M	6	9	7	8	3	84-207	
ZAA	44	(G12670xG5701) x (G6342xG4017)	CALIMA	6M	50	1	43	85	.	M	7	6	4	7	3	84-208	
ZAA	45	(G12670xG5701) x (G6342xG4017)	NIMA	6M	47	1	42	80	.	M	7	2	5	8	3	84-209	
ZAA	46	(G12670xG5701) x (G6342xG4017)	CALIMA	6M	38	1	45	86	.	M	7	8	7	7	3	84-210	
ZAA	47	(G12670xG5701) x (G6342xG4017)	NIMA	6M	45	1	42	86	.	M	6	6	6	8	3	84-211	
ZAA	48	(G12670xG5701) x (G6342xG4017)	NIMA	6M	43	1	42	80	.	M	6	8	7	7	3	84-212	
ZAA	49	G13922xBAT1581	TUNDAMA	7M	49	1	45	87	.	N	7	6	7	6	3	84-213	
ZAA	50	(G12670xG2277) x (G7908xG4017)	TUNDAMA	7M	50	1	45	88	.	N	6	6	6	7	3	84-214	
ZAA	51	(G12670xG2277) x (G7908xG4017)	TUNDAMA	7M	49	1	45	88	.	N	6	6	7	7	3	84-215	
ZAA	52	G13194xBAT1295	RADICAL	6	43	1	41	73	.	M	8	8	7	6	5	84-216	
ZAA	53	G13594xG3710	DARK RED KIDNEY	6	60	3	42	80	4	M	8	6	4	7	3	84-217	
ZAA	54	G13594xG6415	DUVA	6	58	1	42	80	.	M	7	2	6	5	3	84-218	
ZAA	55	G22147xG6415	DARK RED KIDNEY	7	67	1	42	81	3	N	7	4	7	6	5	84-219	86
ZAA	56	ICA10009xA465	CALIMA	6	43	2	49	89	6	M	7	3	7	6	5	84-220	86
ZAA	57	ICA10009xG3710	BAYO ANDINO	2	44	1	41	73	.	N	7	4	6	5	3	84-221	
ZAA	58	S25084xBAT1387	TUNDAMA	6M	46	1	42	79	.	M	6	3	5	5	5	84-222	
ZAA	59	G21717xG11270	RED MEXICAN	7	43	1	42	80	.	M	6	8	7	4	3	84-223	
ZAA	60	G6592xG13922	CALIMA	6M	47	1	43	80	.	M	7	3	5	5	3	84-224	
ZAA	61	G14465xG13922	RED KIDNEY	6	48	1	45	88	.	M	7	3	6	6	3	84-225	
ZAA	62	G14465xG13922	NIMA	6M	47	1	44	87	.	M	7	5	6	6	3	84-226	
ZAA	63	(G24236xG7602) x (S24974xG4450)	URIBE	2M	52	3B	44	87	6	M	7	4	8	6	3	84-227	86
ZAA	64	(G24236xG7602) x (S24974xG4450)	RED KIDNEY	5	49	1	41	81	3	N-M	8	4	5	6	3	84-228	86
ZAA	65	G4494xG14013	GUALI	7M	54	1	43	88	5	N	6	6	7	5	3	84-229	86
ZAA	66	G4494xG14013	GUALI	7M	50	1	43	80	4	N	7	5	6	5	3	84-230	86
ZAA	67	G4494xG14013	GUALI	7M	51	1	43	82	.	N	7	5	5	6	5	84-231	
ZAA	68	G4494xBAT1582	TUNDAMA	6M	48	1	44	89	.	N	7	8	7	4	3	84-232	
ZAA	69	G4494xBAT1582	GUALI	7M	52	1	44	85	.	N	7	6	6	6	5	84-233	
ZAA	70	G4494xBAT1582	GUALI	7M	53	1	42	82	.	N	7	8	6	6	3	84-234	
ZAA	71	G4494xBAT1582	GUALI	7M	48	1	44	89	.	N	7	8	7	6	3	84-235	
ZAA	72	G4453xBAT1276	GUALI	7M	46	1	46	87	.	N	7	8	7	5	5	84-236	
ZAA	73	G4453xBAT1276	CALIMA	6M	57	1	46	87	.	M	7	8	6	4	3	84-237	
ZAA	74	G4453xBAT1276	CALIMA	6M	52	1	45	82	.	M	6	8	6	4	5	84-238	
ZAA	75	G4453xBAT1276	GUALI	7M	49	1	43	83	.	N	7	8	7	4	5	84-239	
ZAA	76	G4453xBAT1276	GUALI	6M	51	1	45	86	.	N	7	6	6	6	3	84-240	
ZAA	77	G4453xG14013	CALIMA	7M	52	1	44	86	.	M	6	3	5	7	3	84-241	
ZAA	78	G4453xG4717	CALIMA	6M	50	1	45	90	.	M	7	8	5	6	3	84-242	
ZAA	79	G4452xBAT1582	GUALI	7M	54	1	44	87	6	N	7	5	7	6	3	84-243	86
ZAA	80	G12491xG11254	TUNDAMA	6M	61	1	43	87	.	M	7	3	7	6	3	84-244	
ZAA	81	G12491xG11254	TUNDAMA	6M	51	1	42	91	.	M	7	5	6	6	3	84-245	
ZAA	82	G12491xG11254	TUNDAMA	7M	55	1	44	85	.	M	7	4	8	5	3	84-246	
ZAA	83	G4727xBAT1276	OJO DE CABRA	2R	47	1	49	95	8	N	7	7	7	5	84-247	86	

Line	Cross	Cult. type	Seed			Days to								VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
ZAA	84	BAT1276xG7179	MWEZI MOJA	7M	64	1	44	91	.	N	7	7	6	7	5	84-248	
ZAA	85	BAT1276xG7179	GUALI	6M	54	1	45	86	.	N	7	6	6	6	5	84-249	
ZAA	86	G7223xBAT1276	CALIMA	6M	51	1	47	91	.	M	7	6	7	7	3	84-250	
ZAA	87	PVA1025xA129	NIMA	6M	46	3	43	89	8	M	8	6	6	6	5	84-251	86
ZAA	88	G4450xG6416	DARK RED KIDNEY	6	47	1	40	69	2	N	8	7	6	5	5	84-252	86
ZAA	89	A192xBAT1274	DUVA	7	45	1	41	77	.	M	8	8	7	5	5	84-253	
ZAA	90	BAT1312xG6592	BAYO ANDINO	2	34	2B	47	86	4	N	8	6	8	6	5	84-254	
ZAA	91	ICA262-SELECCION	GUALI	6M	35	1	45	86	.	N	7	6	7	5	5	84-255	
ZAA	92	ICA267-SELECCION	TUNDAMA	6M	50	1	45	87	.	N	6	6	5	6	5	84-256	
ZAA	93	ICA267-SELECCION	GUALI	6M	44	1	44	88	.	N	7	5	5	6	7	84-257	
ZAA	94	ICA269-SELECCION	TUNDAMA	6M	50	1	45	91	.	N	7	6	5	6	5	84-258	
ZAA	95	ICA269-SELECCION	TUNDAMA	6M	53	1	45	91	.	N	6	5	6	7	5	84-259	
ZAA	96	ICA269-SELECCION	TUNDAMA	6M	48	1	45	91	.	N	6	7	5	5	5	84-260	
ZAA	97	ICA270-SELECCION	GUALI	7M	46	1	45	91	.	N	6	7	5	5	5	84-261	
ZAA	98	ICA271-SELECCION	TUNDAMA	6M	50	1	46	90	.	N	7	6	5	5	3	84-262	
ZAA	99	ICA271-SELECCION	TUNDAMA	6M	47	1	45	90	.	N	7	6	5	5	5	84-263	
ZAA	100	ICA271-SELECCION	GUALI	6M	46	1	44	80	.	N	7	5	5	5	5	84-264	
ZAA	101	G4450xG6416	DUVA	6	47	1	41	73	.	N	8	7	6	6	3	84-265	
ZAA	102	G4450xG6416	DUVA	6	46	1	41	73	2	N	8	8	8	5	5	84-266	86
ZAA	103	G4450x(G6416xG9152)	DUVA	6	45	1	41	73	.	N	8	8	7	5	3	84-267	
ZAA	104	S1428xG14013	TUNDAMA	6M	48	1	47	90	.	N	7	6	8	5	3	84-268	
ZAA	105	G14665xA487	DUVA	6	55	2B	43	87	5	M	8	7	8	6	3	84-269	86
ZAA	106	BAT1222xPVA1193	NIMA	6	50	1	43	87	.	M-N	7	6	8	6	3	84-270	
ZAA	107	G4450xS25791	RED KIDNEY	5	54	1	42	78	.	M	8	6	8	6	3	84-271	
ZAA	108	G4450xT23	RED KIDNEY	6	53	1	41	77	3	N	8	8	9	5	5	84-272	86
ZAA	109	G4450xG6416	DUVA	6	50	1	41	73	.	N	8	6	8	5	5	84-273	
ZAA	110	G4450xG6416	DARK RED KIDNEY	6	46	1	41	73	.	N	8	6	9	6	5	84-274	
ZAA	111	G4450xG6416	DARK RED KIDNEY	6	45	1	41	69	2	N	8	6	7	6	3	84-275	86
ZAA	112	G8106xYC-2	CALIMA	6M	45	1	42	77	.	M	7	7	7	5	3	84-276	
ZAA	113	ICA269-SELECCION	TUNDAMA	6M	49	1	45	90	.	N	7	5	8	5	5	84-277	
ZAV	1	TIB-19-41	RADICAL	7	51	4	.	.	.	M	.	3	7	7	5	84-635	
ZAV	2	TIB-19-42	RADICAL	7	46	4	.	.	.	M	.	4	8	5	3	84-636	
ZAV	3	TIB-19-44	RADICAL	7	54	4	.	.	.	M	.	2	8	7	5	84-637	
ZAV	4	TIB-25-41	CARGAMANTO	2M	47	4	.	.	.	M	.	5	7	4	3	84-638	
ZAV	5	TIB-29-42	RADICAL	7	52	4	.	.	.	M	.	2	8	5	3	84-639	
ZAV	6	TIB-30-41	RADICAL	6	43	4	.	.	.	M	.	2	4	5	3	84-640	
ZAV	7	TIB-30-42	RADICAL	6	46	4	.	.	.	M	.	4	7	5	3	84-641	
ZAV	8	TIB-31-42	RADICAL	6	46	4	.	.	.	M	.	5	6	6	5	84-642	
ZAV	9	TIB-33-41	RADICAL	6	33	4	.	.	.	M	.	3	7	5	7	84-643	
ZAV	10	G8160xG714	SANGRETORO	7	35	4	.	.	.	M	.	2	6	6	5	84-644	
ZAV	11	G11821xG12488	RADICAL	6	52	4	.	.	.	M	.	5	5	5	5	84-645	
ZAV	12	G11821xG12488	RADICAL	6	55	4	.	.	.	M	.	3	6	5	5	84-646	
ZAV	13	G11821xG12488	RADICAL	7	54	4	.	.	.	M	.	4	7	4	5	84-647	
ZAV	14	G11821xG12727	CARGAMANTO	2M	44	4	.	.	.	M	.	3	5	5	5	84-648	
ZAV	15	G11821xG12488		2M	50	4	.	.	.	M	.	4	6	5	3	84-649	
ZAV	16	G11821xG12488		2M	53	4	.	.	.	M	.	4	6	5	5	84-650	
ZAV	17	G11821xG12488		2M	47	4	.	.	.	M	.	3	8	5	5	84-651	
ZAV	18	G11821xG12488		2M	45	4	.	.	.	M	.	3	5	5	5	84-652	
ZAV	19	G11821xG12488		2M	48	4	.	.	.	M	.	3	6	5	5	84-653	
ZAV	20	G11821xG12488	LLANOGRANDE	2R	48	4	.	.	.	M	.	7	5	6	5	84-654	
ZAV	21	G11821xG12488	LLANOGRANDE	2R	52	4	.	.	.	M	.	3	5	6	5	84-655	
ZAV	22	G11821xG12488	CARGAMANTO	2R	51	4	.	.	.	M	.	3	8	6	5	84-656	
ZAV	23	G12614xG12488	LLANOGRANDE	2R	54	4	.	.	.	M	.	5	7	6	5	84-657	
ZAV	24	G12614xG12488	LLANOGRANDE	2R	47	4	.	.	.	M	.	4	6	6	5	84-658	
ZAV	25	G12614xG12488	LLANOGRANDE	2R	45	4	.	.	.	M	.	3	8	5	5	84-659	
ZAV	26	G12614xG12488	LLANOGRANDE	2R	42	4	.	.	.	M	.	4	4	5	5	84-660	

Line	Cross	Cult. type	Seed			Days to							Rust	Yr	VBF Ent.	IB YAN
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB					ALS
ZAV	27	G12614xG12488	LLANOGRANDE	7R	46	4	.	.	.	M	.	5	6	5	3	84-661
ZAV	28	G12614xG12488	LLANOGRANDE	2R	44	4	.	.	.	M	.	4	7	5	5	84-662
ZAV	29	G5702xG12488	GUALI	2R	54	4	.	.	.	M	.	4	8	5	5	84-663
ZAV	30	G11820xG5653		7	.	4	.	.	.	M	.	3	5	5	3	84-664
ZAV	31	G11820xG5653		7	28	4	.	.	.	M	.	2	5	5	3	84-665
ZAV	32	G11817xG5653	ROSADO	6	32	4	.	.	.	M	.	2	5	5	3	84-666
ZAV	33	G11817xG5653	SANGRETORO	7	35	4	.	.	.	M	.	2	6	5	3	84-667
ZAV	34	G11819xG5653		7	33	4	.	.	.	M	.	3	6	4	3	84-668
ZAV	35	G11819xG5653	SANGRETORO	7	34	4	.	.	.	M	.	1	7	4	3	84-669
ZAV	36	G11820xG2545	RADICAL	6	39	4	.	.	.	M	.	3	5	5	3	84-670
ZAV	37	G11820xG2545	RADICAL	6	38	4	.	.	.	M	.	3	5	6	5	84-671
ZAV	38	G11820xG2545	RADICAL	6	37	4	.	.	.	M	.	2	5	6	3	84-672
ZAV	39	G11820xG2545	RADICAL	6	41	4	.	.	.	M	.	1	5	4	5	84-673
ZAV	40	G11820xG2545	RADICAL	6	41	4	.	.	.	M	.	4	5	5	3	84-674
ZAV	41	G11817xG6083	SANGRETORO	6	45	4	.	.	.	M	.	1	5	5	5	84-675
ZAV	42	G11817xG5653	SANGRETORO	7	32	4	.	.	.	M	.	3	8	5	3	84-676
ZAV	43	G11817xG5653	SANGRETORO	7	30	4	.	.	.	M	.	3	6	4	3	84-677
ZAV	44	G11817xG5653	SANGRETORO	7	30	4	.	.	.	M	.	3	6	4	3	84-678
ZAV	45	G11817xG5653	RADICAL	7	.	4	.	.	.	M	.	1	6	5	3	84-679
ZAV	46	G11817xG5653	SANGRETORO	7	.	4	.	.	.	M	.	4	6	5	3	84-680
ZAV	47	G11819xG5653	RADICAL	6	52	4	.	.	.	M	.	4	7	5	5	84-681
ZAV	48	G11821xG6038	RADICAL	6	44	4	.	.	.	M	.	4	5	5	3	84-682
ZAV	49	G11819xG5653	GUALI	2	48	4	.	.	.	M	.	5	5	4	3	84-683
ZAV	50	G11819xG2545	CARGAMANTO	2M	56	4	.	.	.	M	.	2	5	5	3	84-684
ZAV	51	G11819xG2545	CARGAMANTO	2M	51	4	.	.	.	M	.	3	6	5	3	84-685
ZAV	52	G11817xG2545	MULATINHO	2	33	4	.	.	.	M	.	2	5	5	5	84-686
ZAV	53	G2545xG5661	MULATINHO	2	41	4	.	.	.	M	.	6	5	5	5	84-687
ZAV	54	G2545xG5661	MULATINHO	2	42	4	.	.	.	M	.	4	7	4	5	84-688
ZAV	55	G2545xG5661	MULATINHO	2	42	4	.	.	.	M	.	2	6	4	5	84-689
ZAV	56	G2545xG5661	MULATINHO	2	38	4	.	.	.	M	.	2	6	5	5	84-690
ZAV	57	G2545xG5661	MULATINHO	2	35	4	.	.	.	M	.	3	6	5	3	84-691
ZAV	58	G2545xG5661	MULATINHO	2	36	4	.	.	.	M	.	2	5	4	5	84-692
ZAV	59	G2545xG5661	MULATINHO	2	35	4	.	.	.	M	.	2	6	6	3	84-693
ZAV	60	G2545xG5661	MULATINHO	2	39	4	.	.	.	M	.	3	5	5	3	84-694
ZAV	61	G2545xG5661	MULATINHO	2	41	4	.	.	.	M	.	3	6	5	3	84-695
ZAV	62	G11820xG2545	CANARIO	3	36	4	.	.	.	M	.	6	5	5	3	84-696
ZAV	63	G2545xG5661	LIBORINO	3R	50	4	.	.	.	M	.	5	6	6	3	84-697
ZAV	64	G2545xG5661	LIBORINO	3R	46	4	.	.	.	M	.	5	6	6	3	84-698
ZAV	65	G2545xG5661	LIBORINO	3R	52	4	.	.	.	M	.	4	6	6	3	84-699
ZAV	66	G11819xG2545	LIBORINO	3R	48	4	.	.	.	M	.	5	7	6	3	84-700
ZAV	67	G11819xG2545	LIBORINO	3R	48	4	.	.	.	M	.	5	5	5	3	84-701
ZAV	68	G11819xG2545	NEGRO SEMIBRILLA	8	42	4	.	.	.	M	.	5	5	6	3	84-702
ZAV	69	G11819xG2545	NEGRO SEMIBRILLA	8	47	4	.	.	.	M	.	6	5	5	3	84-703
ZAV	70	G11819xG2545	LIBORINO	3R	51	4	.	.	.	M	.	6	7	5	5	84-704
ZAV	71	G11819xG2545	LIBORINO	3R	.	4	.	.	.	M	.	5	6	5	3	84-705
ZAV	72	G2545xG5661	NEGRO SEMIBRILLA	8	39	4	.	.	.	M	.	5	5	5	3	84-706
ZAV	73	G2545xG5661	NEGRO SEMIBRILLA	8	37	4	.	.	.	M	.	4	6	4	3	84-707
ZAV	74	G5702xG5694		5	33	4	.	.	.	N	.	4	5	5	3	84-708
ZAV	75	G5702xG5694		4	29	4	.	.	.	N	.	5	6	6	3	84-709
ZAV	76	G5702xG5694		4M	35	4	.	.	.	N	.	4	5	7	3	84-710
ZAV	77	G5702x(G5702xG5694)	CARGAMANTO	2M	49	4	.	.	.	M-N	.	5	7	6	5	84-711
ZAV	78	G5702x(G5702xG5694)	CARGAMANTO	2M	51	4	.	.	.	M	.	3	7	6	5	84-712
ZAV	79	G5702x(G5702xG5694)		2	49	4	.	.	.	M	.	3	8	7	5	84-713
ZAV	80	G5702x(G5702xG5694)		5	49	4	.	.	.	M	.	3	8	7	7	84-714
ZAV	81	G5702x(G5702xG5694)		2	58	4	.	.	.	N-M	.	4	7	6	5	84-715
ZAV	82	G5702x(G5702xG5694)		2	52	4	.	.	.	M	.	3	8	7	5	84-716

Line	Cross	Cult. type	Seed			Days to					VEF	IB				
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
ZAV 83	G5702x(G5702xG5694)	RADICAL	6	47	4	.	.	.	M-N	.	2	7	4	3	84-717	
ZAV 84	G5702x(G5702xG5694)		5	44	4	.	.	.	M	.	1	4	5	3	84-718	
ZAV 85	G5702x(G5702xG5694)		2	64	4	.	.	.	N	.	3	8	6	5	84-719	
ZAV 86	G5702x(G5702xG5694)	ROSADO	5	41	4	.	.	.	M	.	2	7	4	3	84-720	
ZAV 87	G5702x(G5702xG5694)	SANGRETORO	5	45	4	.	.	.	M-N	.	1	7	5	3	84-721	
ZAV 88	G5702x(G5702xG5694)		2	42	4	.	.	.	N-M	.	4	6	5	3	84-722	
ZAV 89	G5702x(G5702xG5694)		2	45	4	.	.	.	M	.	3	7	4	5	84-723	
ZAV 90	G5702x(G5702xG5694)		2	47	4	.	.	.	M-N	.	4	6	6	3	84-724	
ZAV 91	G5702x(G5702xG5694)		2	53	4	.	.	.	N	.	4	5	5	3	84-725	
ZAV 92	G5702x(G5702xG5694)		2	59	4	.	.	.	M-N	.	3	7	6	5	84-726	
ZAV 93	G5702x(G5702xG5694)	LIBORINO	3R	48	4	.	.	.	M	.	3	8	6	5	84-727	
ZAV 94	G5702xG5694	LIBORINO	2R	49	4	.	.	.	N	.	2	6	5	5	84-728	
ZAV 95	G5702xG5694	LIBORINO	3R	41	4	.	.	.	M-N	.	3	6	6	5	84-729	
ZAV 96	G5702xG5694		7	37	4	.	.	.	M	.	4	5	4	3	84-730	
ZAV 97	G11819xG5694	CARGAMANTO	2M	48	4	.	.	.	M	.	3	6	5	5	84-731	
ZAV 98	G5702xG5745	CARGAMANTO	2M	58	4	.	.	.	M	.	3	7	4	5	84-732	
ZAV 99	G5653xG3872	SANGRETORO	6	25	4	.	.	.	M	.	4	6	6	5	84-733	
ZAV 100	G5702x(G5702xG5694)	CARIOCA	2R	38	4	.	.	.	M	.	4	6	6	3	84-734	
ZAV 101	G5702xG3445	CARGAMANTO	2M	46	4	.	.	.	M-N	.	4	7	5	7	84-735	
ZAV 102	G5702xG1098	CARGAMANTO	2M	32	4	.	.	.	M	.	3	5	5	3	84-736	
ZAV 103	G5702xG3279	CARGAMANTO	2M	41	4	.	.	.	M	.	2	5	6	5	84-737	
ZAV 104	G5702xG3279		2	39	4	.	.	.	M	.	2	6	5	3	84-738	
ZAV 105	G5702xG2641	CARGAMANTO	2M	36	4	.	.	.	M	.	2	5	5	3	84-739	
ZAV 106	G12720-SELECCION	CALIMA	6M	65	4	.	.	.	M	.	4	8	6	5	84-740	
ZAV 107	G5702x(G5702xG5694)	CARGAMANTO	2M	50	4	.	.	.	M	.	3	7	6	5	84-741	
ZAV 108	G5702x(G5702xG5694)	RADICAL	7	48	4	.	.	.	M-N	.	2	5	6	3	84-742	
ZAV 109	G5702x(G5702xG5694)		5	46	4	.	.	.	M	.	3	8	6	5	84-743	
ZAV 110	G2025xG2428	RADICAL	7	43	4	.	.	.	M	.	5	5	6	5	84-744	
ZAV 111	G2025xG2428	ROSADO	7	45	4	.	.	.	M	.	2	9	5	7	84-745	
ZAV 112	G11817xG5653	SANGRETORO	6	35	4	.	.	.	M	.	2	5	5	3	84-746	
ZAV 113	G11817xG5653		2	40	4	.	.	.	M	.	4	5	6	3	84-747	
ZAV 114	G12727xG7320	RADICAL	6	24	4	.	.	.	M	.	3	6	6	3	84-748	
ZAV 115	G12727xG7320	RADICAL	6	27	4	.	.	.	M	.	2	7	6	5	84-749	
ZAV 116	G7329xG2641	RADICAL	7	38	4	.	.	.	M	.	1	5	5	3	84-750	
ZAV 117	G11820xG2641	RADICAL	7	.	4	.	.	.	M	.	2	6	5	3	84-751	
ZAV 118	G11817xG5653	SANGRETORO	6	37	4	.	.	.	M	.	1	6	5	3	84-752	
ZAV 119	G11817xG5653	SANGRETORO	6	35	4	.	.	.	M	.	2	5	5	5	84-753	
ZAV 120	G11817xG5653	RADICAL	6	34	4	.	.	.	M	.	2	6	4	5	84-754	
ZAV 121	G11817xG5653	SANGRETORO	6	34	4	.	.	.	M	.	3	6	6	5	84-755	
ZAV 122	G11817xG5653		5	30	4	.	.	.	M-N	.	3	7	5	5	84-756	
ZAV 123	G5702x(G5702xG5694)	RADICAL	6	32	4	.	.	.	M	.	4	7	6	3	84-757	
ZAV 124	G5701xG3872	SANGRETORO	6	30	4	.	.	.	M	.	3	7	7	3	84-758	
ZAV 125	G5701xG3872	SANGRETORO	6	27	4	.	.	.	M	.	4	7	6	3	84-759	
ZAV 126	G5653xG3872	SANGRETORO	6	30	4	.	.	.	M	.	3	6	5	3	84-760	
ZAV 127	G5653xG3872	SANGRETORO	6	24	4	.	.	.	M	.	2	6	5	5	84-761	
ZAV 128	G5653xG3872	SANGRETORO	6	30	4	.	.	.	M	.	2	7	4	5	84-762	
ZAV 129	G11817xG5653	RADICAL	6	42	4	.	.	.	M-N	.	1	7	5	5	84-763	
ZAV 130	G11817xG5653	RADICAL	7	37	4	.	.	.	M	.	4	7	4	5	84-764	
ZAV 131	G12727xG7320	RADICAL	6	25	4	.	.	.	M	.	2	8	5	5	84-765	
ZAV 132	G5702x(G5702xG5694)	CARGAMANTO	2M	50	4	.	.	.	M	.	2	7	5	7	84-766	
ZAV 133	G5702x(G5702xG5694)		2	43	4	.	.	.	M	.	2	5	5	3	84-767	
ZAV 134	G5702x(G5702xG5694)	LLANOGRANDE	2R	50	4	.	.	.	N	.	2	8	6	5	84-768	
ZAV 135	G5702x(G5702xG5694)	LLANOGRANDE	2R	42	4	.	.	.	N	.	4	5	6	5	84-769	
ZAV 136	G5702x(G5702xG5694)	RADICAL	7	46	4	.	.	.	M	.	2	7	4	5	84-770	
ZAV 137	G5702x(G5702xG5694)	CARGAMANTO	2M	54	4	.	.	.	M	.	3	7	6	5	84-771	
ZAV 138	G5702x(G5702xG5694)		2	42	4	.	.	.	M	.	2	6	6	3	84-772	

Line	Cross	Cult. type	Seed			Days to					VEF		IB			
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB		ALS	Rust	Yr	Ent	YAN
ZAV 139	G5702x(G5702xG5694)	CARGAMANTO	2M	44	4	.	.	.	M	.	2	6	5	5	84-773	
ZAV 140	G5702x(G5702xG5694)		2	69	4	.	.	.	N	.	2	7	6	5	84-774	
ZAV 141	G5702x(G5702xG5694)		6	29	4	.	.	.	M	.	1	6	7	5	84-775	
ZAV 142	G5702x(G5702xG5694)		5	48	4	.	.	.	M	.	3	5	5	3	84-776	
ZAV 143	G5702x(G5702xG5694)		2	66	4	.	.	.	M	.	3	5	5	5	84-777	
ZAV 144	G5702x(G5702xG5694)	CARGAMANTO	2M	43	4	.	.	.	M	.	2	5	6	3	84-778	
ZAV 145	G5702x(G5702xG5694)		2	50	4	.	.	.	M	.	3	7	5	5	84-779	
ZAV 146	G5702x(G5702xG5694)		2	54	4	.	.	.	M	.	3	5	6	5	84-780	
ZAV 147	G5702xG5694	CARGAMANTO	2M	42	4	.	.	.	N-M	.	5	6	6	3	84-781	
ZAV 148	G11819xG5694	CARGAMANTO	2M	42	4	.	.	.	M	.	2	6	6	5	84-782	
ZAV 149	G11819xG5694	CARGAMANTO	2M	42	4	.	.	.	M	.	2	5	6	3	84-783	
ZAV 150	G5702xG5745	CARGAMANTO	2M	61	4	.	.	.	M	.	2	8	5	5	84-784	
ZAV 151	G5702xG5745	CARGAMANTO	2M	64	4	.	.	.	M	.	2	8	6	5	84-785	
ZAV 152	G5702xG5745	CARGAMANTO	2M	61	4	.	.	.	M	.	3	7	6	3	84-786	
ZAV 153	G5702xG5745	CARGAMANTO	2M	60	4	.	.	.	M	.	3	8	6	3	84-787	
ZAV 154	G5702xG5745	CARGAMANTO	2M	57	4	.	.	.	M	.	3	7	4	5	84-788	
ZAV 155	G5702xG5745	CARGAMANTO	2M	51	4	.	.	.	M	.	3	8	6	7	84-789	
ZAV 156	G5702xG5745	CARGAMANTO	2M	56	4	.	.	.	M-N	.	3	7	5	7	84-790	
ZAV 157	G5702xG3279	CARGAMANTO	2M	46	4	.	.	.	M	.	3	8	6	5	84-791	
ZAV 158	G5702xG3279		2	39	4	.	.	.	M	.	1	6	6	3	84-792	
ZAV 159	G5702xG3279	GUALI	2M	39	4	.	.	.	M-N	.	1	6	6	3	84-793	
ZAV 160	G5702xG3366	CARGAMANTO	2M	44	4	.	.	.	M	.	1	6	6	3	84-794	
ZAV 161	G5702xG3366	CARGAMANTO	2M	37	4	.	.	.	M	.	3	6	5	3	84-795	
ZAV 162	G5702xG3366		2	46	4	.	.	.	M-N	.	2	7	5	7	84-796	
ZAV 163	G12720 - SELECCION	SANGRETORO	6	53	4	.	.	.	M	.	2	7	5	3	84-797	
ZAV 164	G5702x(G5702xG5694)	RADICAL	6	54	4	.	.	.	M	.	2	7	5	3	84-798	
ZAV 165	G5702xG2641	CARGAMANTO	2M	45	4	.	.	.	M	.	1	7	5	3	84-799	
ZAV 166	G5702xG2641	RADICAL	6	41	4	.	.	.	M	.	3	5	7	3	84-800	
ZAV 167	G5702xG2641	RADICAL	6	42	4	.	.	.	M	.	1	5	4	3	84-801	
ZAV 168	G7329xG2641	RADICAL	7	40	4	.	.	.	M	.	2	6	5	3	84-802	
ZAV 169	G7329xG2641	RADICAL	6	37	4	.	.	.	M	.	2	6	4	3	84-803	
ZAV 170	G11820xG2641	RADICAL	6	33	4	.	.	.	M	.	2	5	6	3	84-804	
ZAV 171	G11817xG5653	RADICAL	6	34	4	.	.	.	M	.	1	5	5	3	84-805	
ZAV 172	G11817xG5653	SANGRETORO	6	33	4	.	.	.	M	.	1	6	4	5	84-806	
ZAV 173	G11817xG5653	SANGRETORO	6	39	4	.	.	.	M	.	1	6	4	3	84-807	
ZAV 174	G5702x(G5702xG5694)	SANGRETORO	6	29	4	.	.	.	M	.	2	7	6	3	84-808	
ZAV 175	G3913xG3872	SANGRETORO	6	26	4	.	.	.	N	.	1	6	6	3	84-809	
ZAV 176	G3913xG3872	SANGRETORO	6	24	4	.	.	.	N	.	2	5	6	5	84-810	
ZAV 177	G3913xG3872	SANGRETORO	6	25	4	.	.	.	M	.	2	6	6	5	84-811	
ZAV 178	G5701xG3872	SANGRETORO	6	28	4	.	.	.	M	.	2	5	6	3	84-812	
ZAV 179	G5653xG3872	SANGRETORO	6	24	4	.	.	.	M	.	1	7	6	3	84-813	
ZAV 180	G5653xG3872		6	31	4	.	.	.	M	.	2	8	6	3	84-814	
ZAV 181	G5653xG3872	SANGRETORO	6	25	4	.	.	.	M	.	1	6	3	5	84-815	
ZAV 182	G5653xG3872	GUALI	6M	29	4	.	.	.	M	.	2	7	4	5	84-816	
ZAV 183	G11817xG5653	RADICAL	7	38	4	.	.	.	M-N	.	3	6	4	7	84-817	
ZAV 184	G12727xG7320	RADICAL	6	24	4	.	.	.	M	.	2	8	6	5	84-818	
ZAV 185	G11819xG5694	LIBORINO	3R	41	4	.	.	.	N	.	2	5	6	5	84-819	
ZAV 186	G8183xG2641		2	40	4	.	.	.	M	.	1	4	4	5	84-820	
ZAV 187	G8183xG2641	MULATINHO	2	38	4	.	.	.	M	.	2	5	5	5	84-821	
ZAV 188	G5702xG1098	MULATINHO	2	27	4	.	.	.	N	.	5	5	5	3	84-822	
ZAV 189	G11819xG5653	ROSADO	5	32	4	.	.	.	M-N	.	4	6	4	3	84-823	
ZAV 190	G5653xG3872	SANGRETORO	6	27	4	.	.	.	N	.	1	6	5	5	84-824	
ZAV 191	G5653xG3872	SANGRETORO	6	25	4	.	.	.	M	.	2	7	4	5	84-825	
ZAV 192	G11819xG5694	CARGAMANTO	2	41	4	.	.	.	M	.	2	5	5	3	84-826	
ZAV 193	G11819xG5694	CARGAMANTO	2	66	4	.	.	.	M	.	4	5	5	5	84-827	
ZAV 194	G1253xG11820		2	50	4	.	.	.	M	.	2	7	6	5	84-828	

Line	Cross	Cult. type	Seed			Days to					VEF	IB				
			col.	Wt	Hab	Fl	Mt	Fot	ECMV	Emp			Ant	CBB	ALS	Rust	Yr	Ent	YAN
ZAV 195	G1253xG11820	RADICAL	6	44	4	.	.	.	M	.	1	5	6	3	84-829	
ZAV 196	G11817xG5653	SANGRETORO	6	40	4	.	.	.	M	.	2	6	7	3	84-830	
ZAV 197	G11817xG5653	CALIMA	6M	38	4	.	.	.	M	.	1	6	6	3	84-831	
ZAV 198	G11817xG5653	SANGRETORO	6	43	4	.	.	.	M	.	3	5	6	3	84-832	
ZAV 199	G11817xG5653	SANGRETORO	6	48	4	.	.	.	M	.	1	6	6	3	84-833	
ZAV 200	G11817xG5653	RADICAL	6	49	4	.	.	.	M	.	2	8	5	5	84-834	
ZAV 201	G11817xG5653		6	45	4	.	.	.	M	.	1	6	4	5	84-835	
ZAV 202	G11817xG5653		6	44	4	.	.	.	M	.	1	6	6	5	84-836	
ZAV 203	G11817xG2545	SANGRETORO	6	43	4	.	.	.	M	.	1	6	4	5	84-837	
ZAV 204	G11817xG2545	SANGRETORO	7	47	4	.	.	.	M	.	2	9	4	7	84-838	
ZAV 205	G5702xG5653		2	65	4	.	.	.	M	.	3	5	6	3	84-839	
ZAV 206	G5702xG5653	CARGAMANTO	2M	60	4	.	.	.	M	.	2	7	5	3	84-840	
ZAV 207	G5702xG5653	RADICAL	6	54	4	.	.	.	M-N	.	1	7	6	3	84-841	
ZAV 208	G5702xG5653		2	47	4	.	.	.	M	.	1	6	6	3	84-842	
ZAV 209	G11817xG5653	SANGRETORO	6	42	4	.	.	.	M	.	1	5	6	5	84-843	
ZAV 210	G11817xG5653	SANGRETORO	6	44	4	.	.	.	M	.	1	6	6	3	84-844	
ZAV 211	G5702xG2412	CARGAMANTO	2M	36	4	.	.	.	M	.	1	6	6	5	84-845	
ZAV 212	G11817xG5653	RADICAL	6	49	4	.	.	.	M	.	2	7	6	5	84-846	
ZAV 213	G11817xG5653	RADICAL	6	36	4	.	.	.	M-N	.	2	5	5	5	84-847	
ZAV 214	G11820xG2540	RADICAL	6	41	4	.	.	.	M	.	2	6	5	3	84-848	
ZAV 215	G5702xG1060	CARGAMANTO	2M	47	4	.	.	.	M	.	2	6	4	5	84-849	
ZAV 216	G5702xG5653		5	39	4	.	.	.	M	.	3	5	5	5	84-850	
ZAV 217	G5702xG2412		2	67	4	.	.	.	M	.	3	8	6	7	84-851	
ZAV 218	G5702xG2412		2	54	4	.	.	.	M	.	4	8	5	5	84-852	
ZAV 219	G5653xG2006	SANGRETORO	6	27	4	.	.	.	M	.	1	8	7	5	84-853	
ZAV 220	G5702x(G5702xG5694)	RADICAL	6	43	4	.	.	.	M	.	3	7	6	5	84-854	
ZAV 221	G5702xG2412	RADICAL	6	62	4	.	.	.	M	.	1	7	6	5	84-855	
ZAV 222	G11820xG5694	RADICAL	6	52	4	.	.	.	M	.	2	7	6	5	84-856	
ZAV 223	G11820xG5694	RADICAL	6	58	4	.	.	.	M	.	2	7	5	5	84-857	
ZAV 224	G11819xG2545		2	56	4	.	.	.	M	.	3	7	5	5	84-858	
ZAV 225	G5702xG5653		7	54	4	.	.	.	M	.	3	8	6	5	84-859	
ZAV 226	G11817xG5653	RADICAL	6	43	4	.	.	.	M	.	4	5	5	3	84-860	
ZAV 227	G5702xG2545	CARGAMANTO	2	65	4	.	.	.	M	.	3	7	5	5	84-861	
ZAV 228	G11819xG2545	LIBORINO	3R	71	4	.	.	.	M	.	2	6	6	5	84-862	
ZAV 229	G11819xG2545	LIBORINO	3R	54	4	.	.	.	M	.	2	7	5	5	84-863	
ZAV 230	G11817xG2540	GREAT NORTHERN	1	37	4	.	.	.	M	.	6	5	5	3	84-864	
ZAV 231	G11817xG2540	RADICAL	6	55	4	.	.	.	M	.	2	6	5	7	84-865	
ZAV 232	G11819xG5694	LIBORINO	3R	50	4	.	.	.	M-N	.	2	7	6	5	84-866	
ZAV 233	G11819xG5694	LIBORINO	3R	40	4	.	.	.	M	.	2	4	6	5	84-867	
ZAV 234	G1253xG11820	SANGRETORO	5	43	4	.	.	.	M	.	2	7	6	5	84-868	
ZAV 235	G5702x(G5702xG5694)	LLANOGRADE	2R	53	4	.	.	.	N	.	1	5	5	5	84-869	
ZAV 236	G5702x(G5702xG5694)	CARGAMANTO	2M	51	4	.	.	.	M	.	3	8	5	5	84-870	
ZAV 237	G5702x(G5702xG5694)	CARGAMANTO	2M	40	4	.	.	.	M	.	2	5	6	5	84-871	
ZAV 238	G5702x(G5702xG5694)	CARGAMANTO	2M	34	4	.	.	.	M	.	2	5	5	5	84-872	
ZAV 239	G5702x(G5702xG5694)	CARGAMANTO	2M	34	4	.	.	.	M	.	2	5	6	5	84-873	
ZAV 240	G5702x(G5702xG5694)		2	59	4	.	.	.	N	.	2	7	5	5	84-874	
ZAV 241	G5702x(G5702xG5694)	CARGAMANTO	2M	43	4	.	.	.	N	.	1	5	5	3	84-875	
ZAV 242	G5702x(G5702xG5694)	CARGAMANTO	2M	46	4	.	.	.	N-M	.	3	7	6	5	84-876	
ZAV 243	G5702x(G5702xG5694)	CARGAMANTO	2M	46	4	.	.	.	N	.	2	5	6	5	84-877	
ZAV 244	G5702x(G5702xG5694)	CARGAMANTO	2M	50	4	.	.	.	M	.	3	7	6	5	84-878	
ZAV 245	G5702x(G5702xG5694)	CARGAMANTO	2M	55	4	.	.	.	M	.	5	7	6	5	84-879	
ZAV 246	G5702x(G5702xG5694)	CARGAMANTO	2M	54	4	.	.	.	N-M	.	5	7	6	7	84-880	
ZAV 247	G5702x(G5702xG5694)	CARGAMANTO	2M	37	4	.	.	.	M	.	2	7	5	5	84-881	
ZAV 248	G5702x(G5702xG5694)	CARGAMANTO	2M	58	4	.	.	.	M	.	2	7	6	5	84-882	
ZAV 249	G2525xG2641	CARIOCA	2R	37	4	.	.	.	N	.	2	5	4	7	84-883	
ZAV 250	G2525xG2641	CARIOCA	2R	30	4	.	.	.	N	.	2	6	4	3	84-884	

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB			ALS	Rust	Yr	Ent	YAN
ZAV 251	G5653xG5694	SANGRETORO	6	32	4	.	.	.	M	.	2	7	6	5	84-885	
ZAV 252	G731xG3872	MULATINHO	2	24	4	.	.	.	N	.	1	5	6	3	84-886	
ZAV 253	G731xG3872	MULATINHO	2	19	4	.	.	.	N	.	2	5	6	7	84-887	
ZAV 254	G5653xG5694	NEGRO BRILLANTE	8	28	4	.	.	.	N	.	1	6	5	5	84-888	
ZAV 255	G731xG3872	NEGRO BRILLANTE	8	22	4	.	.	.	N	.	4	6	6	7	84-889	
ZAV 256	G11820xG5653	RADICAL	7	48	4	.	.	.	M	.	2	7	4	7	84-890	
ZAV 257	G1253xG11820	RADICAL	6	39	4	.	.	.	M	.	3	5	5	3	84-891	
ZAV 258	G11817xG2545	SANGRETORO	7	45	4	.	.	.	M	.	2	8	4	7	84-892	
ZAV 259	G5702xG5653		2	64	4	.	.	.	M	.	3	7	5	5	84-893	
ZAV 260	G5702xG5653		2	61	4	.	.	.	M	.	2	5	5	3	84-894	
ZAV 261	G11817xG5653	SANGRETORO	6	52	4	.	.	.	M	.	1	5	5	5	84-895	
ZAV 262	G11817xG5653	RADICAL	6	46	4	.	.	.	M	.	3	5	6	5	84-896	
ZAV 263	G5702xG1060	CARGAMANTO	2M	46	4	.	.	.	M	.	2	8	4	7	84-897	
ZAV 264	G5702xG2412		2	65	4	.	.	.	M	.	4	7	6	5	84-898	
ZAV 265	G11817xG2545	SANGRETORO	7	47	4	.	.	.	M	.	3	8	5	7	84-899	
ZAV 266	G5702xG2412	RADICAL	6	48	4	.	.	.	M	.	2	8	6	5	84-900	
ZAV 267	G5702xG2412	CARGAMANTO	2M	50	4	.	.	.	M	.	2	8	6	5	84-901	
ZAV 268	G11817xG5653		2	33	4	.	.	.	M	.	1	5	6	5	84-902	
ZAV 269	G5702xG2545	CARGAMANTO	2M	70	4	.	.	.	M	.	2	7	5	5	84-903	
ZAV 270	G5702x(G5702xG5694)	CARGAMANTO	2M	48	4	.	.	.	N	.	3	5	4	5	84-904	
ZAV 271	G5702x(G5702xG5694)	CARGAMANTO	2M	47	4	.	.	.	N	.	3	6	5	5	84-905	
ZAV 272	G5702x(G5702xG5694)	CARGAMANTO	2M	60	4	.	.	.	M	.	2	7	6	5	84-906	
ZAV 273	G5702x(G5702xG5694)	LLANOGRANDE	2R	42	4	.	.	.	N	.	2	5	5	5	84-907	
ZAV 274	G5702x(G5702xG5694)	LLANOGRANDE	2R	55	4	.	.	.	N	.	2	5	6	7	84-908	
ZAV 275	G5702x(G5702xG5694)		2	64	4	.	.	.	N	.	2	5	6	5	84-909	
ZAV 276	G5702x(G5702xG5694)	CARGAMANTO	2M	60	4	.	.	.	N-M	.	2	8	6	5	84-910	
ZAV 277	G5702x(G5702xG5694)		2	70	4	.	.	.	N	.	2	7	5	7	84-911	
ZAV 278	G5702x(G5702xG5694)	CARGAMANTO	2M	49	4	.	.	.	N-M	.	2	7	5	5	84-912	
ZAV 279	G5702x(G5702xG5694)		2	48	4	.	.	.	M-N	.	2	7	6	5	84-913	
ZAV 280	G5702x(G5702xG5694)	LLANOGRANDE	2R	54	4	.	.	.	N	.	2	7	4	5	84-914	
ZAV 281	G5702x(G5702xG5694)	CARGAMANTO	2M	53	4	.	.	.	N	.	2	5	5	5	84-915	
ZAV 282	G5702x(G5702xG5694)		2	54	4	.	.	.	N	.	1	7	5	5	84-916	
ZAV 283	G5702x(G5702xG5694)	CARGAMANTO	2M	48	4	.	.	.	N	.	2	7	5	5	84-917	
ZAV 284	G5702x(G5702xG5694)	CARGAMANTO	2M	40	4	.	.	.	N-M	.	2	5	4	5	84-918	
ZAV 285	G5702x(G5702xG5694)		2	45	4	.	.	.	M	.	1	5	4	5	84-919	
ZAV 286	G5702x(G5702xG5694)	CARGAMANTO	2M	46	4	.	.	.	M	.	2	8	6	5	84-920	
ZAV 287	G5702x(G5702xG5694)		2	42	4	.	.	.	M-N	.	2	6	5	3	84-921	
ZAV 288	G5653xG5694	SANGRETORO	6	28	4	.	.	.	N	.	2	8	4	5	84-922	
ZAV 289	G5653xG5694	SANGRETORO	6	26	4	.	.	.	N	.	5	8	6	5	84-923	
ZAV 290	G2525xG811	MULATINHO	2	34	4	.	.	.	N	.	2	7	5	5	84-924	
ZAV 291	G2525xG2641	SUGAR	2M	30	4	.	.	.	N	.	2	6	4	7	84-925	
ZAV 292	G2525xG2641	CARIOCA	2R	30	4	.	.	.	N	.	3	5	5	5	84-926	
ZAV 293	G5653xG5694	SANGRETORO	6	30	4	.	.	.	M	.	4	6	6	5	84-927	
ZAV 294	G731xG3872	MULATINHO	2	27	4	.	.	.	N	.	2	6	6	5	84-928	
ZAV 295	G731xG3872	MULATINHO	2	20	4	.	.	.	N	.	2	5	6	5	84-929	
ZAV 296	G5653xG5694	NEGRO BRILLANTE	8	26	4	.	.	.	N	.	3	5	4	5	84-930	
ZAV83001	G5653xG5694		6	25	4A	36	88	.	M	9	4	7	3	5	83-1212	
ZAV83002	G2525xG5701		6	29	4A	36	77	.	M	9	3	7	6	1	83-1213	
ZAV83003	G2525xG5701		6	32	4A	36	79	.	M	9	3	6	6	5	83-1214	
ZAV83004	G2525xG2641		2M	24	4A	44	83	.	N	9	4	6	6	1	83-1215	
ZAV83005	G2525xG2641		2M	27	4A	43	77	.	N	9	3	7	4	1	83-1216	
ZAV83006	G2525xG5701		2	23	4A	43	86	.	N	9	3	7	6	3	83-1217	
ZAV83007	G2525xG5701		6	28	4A	37	86	.	N	9	4	6	6	1	83-1218	
ZAV83008	G2525xG5701		2	28	4A	40	79	.	N	9	5	7	6	5	83-1219	
ZAV83009	G2258xG1098		2	26	4A	40	79	.	N	9	4	6	6	1	83-1220	
ZAV83010	G2258xG1098		2	32	4B	37	77	.	N	9	5	7	6	1	83-1221	

Line	Cross	Cult. type	Seed			Days to							VEF	IB		
			col.	Wt	Hab	Fl	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	Rust	Yr	Ent	YAN
ZAV83011	G2258xG1098		2	26	4B	37	77	.	N	9	6	6	6	1	83-1222	
ZAV83012	G2258xG1098		2	29	4B	41	77	.	N	9	3	7	5	1	83-1223	
ZAV83013	G2258xG1098		2	27	4B	42	79	.	N	9	3	7	6	1	83-1224	
ZAV83014	G2258xG2525		2	28	4B	40	83	.	N	9	4	7	6	1	83-1225	
ZAV83015	G2258xG2525		2	27	4B	36	83	.	N	9	6	6	6	1	83-1226	
ZAV83016	G5653xG3873		6	22	4A	36	86	.	M	9	2	7	5	1	83-1227	
ZAV83017	G5701xG2006		6	32	4B	35	77	.	M	9	3	6	7	5	83-1228	
ZAV83018	G5701xG2006		6	30	4B	36	77	.	M	9	4	7	6	5	83-1229	
ZAV83019	G5701xG2006		6	30	4B	36	77	.	M	9	2	7	6	5	83-1230	
ZAV83020	G115xG2525		6R	43	4B	42	74	.	M	9	8	7	1	5	83-1231	
ZAV83021	G115xG2525		6R	41	4B	43	74	.	M	9	9	7	4	5	83-1232	
ZAV83022	G115xG2525		6R	42	4B	43	74	.	M	9	8	7	7	1	83-1233	
ZAV83023	(G4495xG5702)xG5702		2M	27	4A	47	83	.	N	9	6	7	7	1	83-1234	
ZAV83024	(G4495xG5702)xG5702		2M	28	4B	47	85	.	N	9	5	7	4	5	83-1235	
ZAV83025	(G4495xG5702)xG5702		2M	27	4B	49	83	.	N	9	3	6	5	5	83-1236	
ZAV83026	G1060		2R	32	4B	36	79	.	M	9	6	7	7	1	83-1237	
ZAV83027	V79050-SELECCION		2M	25	4B	44	77	.	N	7	6	7	5	1	83-1238	
ZAV83028	(G4495xG5702)xG5702		2M	27	4B	48	81	.	N	7	4	6	5	1	83-1239	
ZAV83029	G3913xG2540		3	18	4A	42	79	.	M	9	3	7	6	5	83-1240	
ZAV83030	G5701xG3872		6	25	4A	36	79	.	N	9	4	6	6	1	83-1241	
ZAV83031	G5701xG3872		6R	28	4B	44	79	.	N	9	6	7	6	1	83-1242	
ZAV83032	G2525xG811		2M	24	4A	36	79	.	N	9	4	6	5	5	83-1243	
ZAV83033	G3445xG2540		2	26	4A	36	88	.	M	9	4	7	6	1	83-1244	
ZAV83034	G3445xG2540		2	27	4B	37	85	.	M	9	4	7	6	1	83-1245	
ZAV83035	G3445xG2540		2	25	4B	37	85	.	M	9	5	7	6	1	83-1246	
ZAV83036	G3445xG2540		2	26	4B	37	85	.	M	9	2	7	6	1	83-1247	
ZAV83037	G3445xG2540		2	25	4B	36	85	.	M	9	4	7	6	1	83-1248	
ZAV83038	G3445xG2540		2	24	4B	37	85	.	M	9	4	7	6	1	83-1249	
ZAV83039	G2839xG3872		2M	23	4B	40	88	.	N	9	2	6	6	1	83-1250	
ZAV83040	G3913xG2540		3	14	4A	42	85	.	M	9	3	6	6	1	83-1251	
ZAV83041	G3910xV79020		6	22	4A	40	77	.	N	9	4	7	6	1	83-1252	
ZAV83042	G7908xV79018		6	25	4A	36	86	.	N	9	2	7	6	1	83-1253	
ZAV83043	G7908xV79018		6	27	4A	46	86	.	N	9	4	7	6	1	83-1254	
ZAV83044	V79115xV79018		6	26	4A	37	77	.	N	9	4	7	6	1	83-1255	
ZAV83045	V79115xV79018		6	26	4A	36	79	.	N	9	4	7	6	1	83-1256	
ZAV83046	V79115xV79018		6	32	4A	36	80	.	N	9	3	7	5	1	83-1257	
ZAV83047	V79116xV79018		6	32	3B	34	77	.	N	9	3	6	6	1	83-1258	
ZAV83048	V79116xV79018		6	28	4B	35	79	.	N	9	2	7	6	1	83-1259	
ZAV83049	V79116xV79018		6	25	4A	36	77	.	N	9	1	7	4	1	83-1260	
ZAV83050	V79116xV79018		6	26	4B	36	79	.	N	9	3	7	6	1	83-1261	
ZAV83051	V79116xV79018		6	26	4B	36	77	.	N	9	5	6	6	1	83-1262	
ZAV83052	V79116xV79020		6	26	4A	41	77	.	N	9	5	6	6	1	83-1263	
ZAV83053	V79116xV79020		6	32	4B	42	86	.	N	9	3	7	4	1	83-1264	
ZAV83054	V79116xV79020		6	36	4A	37	86	.	N	9	2	6	6	1	83-1265	
ZAV83055	V79116xV79020		6	32	4B	42	86	.	N	9	1	6	6	1	83-1266	
ZAV83056	V79116xV79020		6	33	4A	36	77	.	N	9	2	7	4	1	83-1267	
ZAV83057	V79117xV79018		6	27	4B	37	79	.	N	9	3	7	6	1	83-1268	
ZAV83058	V79117xV79018		6	27	4A	36	77	.	N	9	2	7	6	1	83-1269	
ZAV83059	V79117xV79018		6	25	4B	36	77	.	N	9	2	7	5	5	83-1270	
ZAV83060	G2016xV79020		6	30	4B	37	77	.	N	9	4	7	5	1	83-1271	
ZAV83061	V79115xV79018		6	26	4A	37	88	.	N	9	4	7	4	1	83-1272	
ZAV83062	V79116xV79020		6	28	4A	41	79	.	N	8	3	7	4	1	83-1273	
ZAV83063	V79116xV79020		6	31	4A	39	79	.	N	9	3	6	4	1	83-1274	
ZAV83064	V79116xV79020		6	30	4A	39	74	.	N	9	2	6	4	1	83-1275	
ZAV83065	V79116xV79020		6	29	4A	36	77	.	N	9	2	7	4	1	83-1276	
ZAV83066	V79116xV79020		6	37	4A	37	77	.	N	9	2	7	6	1	83-1277	

Line	Cross	Cult. type	Seed			Days to								VRF	IB	
			col.	Wt	Hab	F1	Mt	Fot	BCMV	Emp	Ant	CBB	ALS	rust	Yr	Ent	YAN
ZAV83067	V79116xV79020		6	29	4B	40	79	.	N	9	3	6	5	1	83-1278	
ZAV83068	V79116xV79020		6	33	4A	35	74	.	N	9	5	7	4	1	83-1279	
ZAV83069	G11817xG5653		6	.	4A	.	.	.	M	9	4	7	5	1	83-1353	
ZAV83070	G11817xG5653		6	.	4A	.	.	.	M	9	2	6	5	1	83-1354	
ZAV83071	G11820xG2641		6	.	4A	.	.	.	M	9	1	6	5	1	83-1355	
ZAV83072	G11820xG5653		6	.	4B	.	.	.	M	9	3	7	5	1	83-1324	
ZAV83073	G5702xG3366		2R	.	4B	.	.	.	M	9	3	6	5	1	83-1333	
ZAV83074	G5702xG3366		2M	.	4B	.	.	.	M	9	1	7	6	1	83-1334	
ZAV83075	G5702xG3366		2M	.	4A	.	.	.	M	9	2	7	6	1	83-1335	
ZAV83076	G5702xG3366		2M	.	4B	.	.	.	M	9	3	6	5	1	83-1336	
ZAV83077	G952xG4356		3	.	4A	.	.	.	M	9	2	7	6	1	83-1337	
ZAV83078	G5702xG12488		2R	.	4B	.	.	.	M	9	7	6	6	1	83-1338	
ZAV83079	G5702xG12488		2R	.	4B	.	.	.	M	9	5	6	5	1	83-1339	
ZAV83080	G5702xG12488		2R	.	4B	.	.	.	M	9	6	6	8	1	83-1340	
ZAV83081	G5702xG12488		2R	.	4B	.	.	.	M	9	2	5	5	1	83-1341	
ZAV83082	G5702xG12488		2R	.	4B	.	.	.	M	9	3	6	6	1	83-1342	
ZAV83083	G5702xG12488		2M	.	4B	.	.	.	M	9	4	5	6	1	83-1343	
ZAV83084	G5702xG12488		2M	.	4B	.	.	.	M	9	3	7	2	1	83-1344	
ZAV83085	G5702xG12488		2M	.	4B	.	.	.	M	9	6	6	5	1	83-1345	
ZAV83086	G5702xG12488		2M	.	4B	.	.	.	M	9	2	6	6	1	83-1346	
ZAV83087	G5702x(G5702xG6038)		2M	.	4B	.	.	.	M	8	4	7	5	1	83-1347	
ZAV83088	G5702x(G5702xG6038)		2M	.	4B	.	.	.	M	9	3	7	5	1	83-1348	
ZAV83089	G12720-SELECCION		6M	.	4B	.	.	.	M	9	4	6	5	1	83-1356	
ZAV83090	G11819xG5653		6	.	4A	.	.	.	M	9	2	8	3	1	83-1357	
ZAV83091	G11820xG5694		6	.	4A	.	.	.	M	9	1	7	4	1	83-1358	
ZAV83092	G11817xG5653		6	.	4A	.	.	.	M	9	3	7	3	1	83-1359	
ZAV83093	G5702xG5653		6M	.	4A	.	.	.	M	9	2	6	3	1	83-1360	
ZAV83094	G5702xG2545		2R	.	4A	.	.	.	M	9	2	7	5	1	83-1361	
ZAV83095	G11819xG2545		3	.	4A	.	.	.	M	9	2	7	5	1	83-1362	
ZAV83096	G11819xG2545		3R	.	4A	.	.	.	M	9	4	6	6	1	83-1363	
ZAV83097	G11819xG2545		3	.	4B	.	.	.	M	9	4	7	5	1	83-1364	
ZAV83098	G11819xG2545		3	.	4B	.	.	.	M	9	4	6	5	1	83-1365	
ZAV83099	G11819xG2545		3	.	4A	.	.	.	M	9	4	7	5	1	83-1366	
ZAV83100	G5653xG5694		6	.	4A	.	.	.	M	9	2	7	4	1	83-1367	
ZAV83101	G5702xG3445		3R	.	4A	.	.	B	M	9	3	7	5	1	83-1368	
ZAV83102	G12727xG7320		2R	.	4A	.	.	B	M	9	2	7	6	1	83-1369	

