

ESTABLECIMIENTO Y PRODUCCION DE GRAMINEAS Y LEGUMINOSAS FORRAJERAS
EN OCUILAPA MUNICIPIO DE TONALA, CHIAPAS, MEXICO

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INIA/SARH

El ensayo se realizó en el Campo Experimental Costa de Chiapas (INIA), situado $14^{\circ}45'$ de latitud norte y a $92^{\circ}09'$ de longitud oeste, a una elevación de 50 msnm. La precipitación media anual es de 1600 mm y la temperatura media de 27°C (Figura 1). La región corresponde al ecosistema de sabana isohipertérmica. Las características físicas y químicas del suelo se presentan en el Cuadro 1.

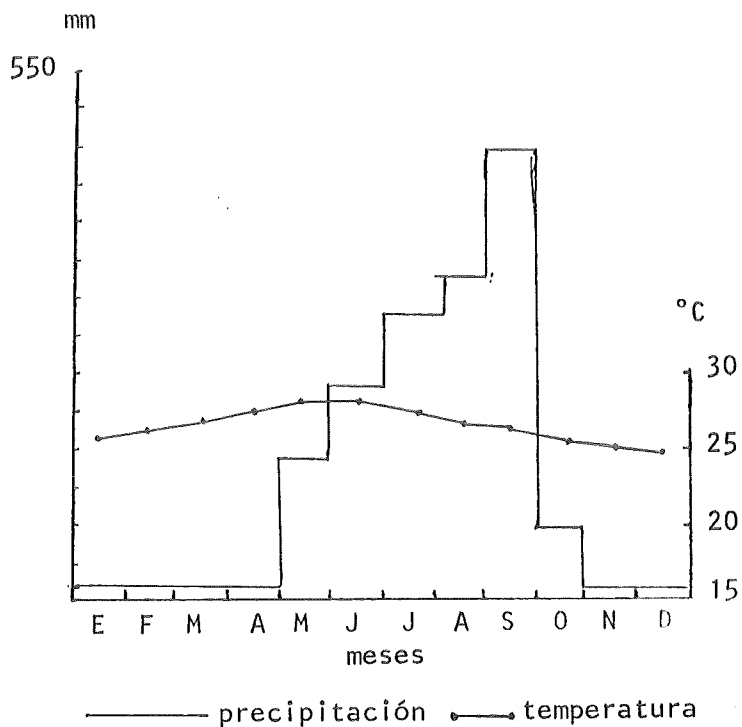


Figura 1. Características climáticas de la región de Ocuilapa Mpio. de Tonalá, Chiapas.

Se evaluaron en los periodos que aparecen en el Cuadro 2, 9 ecotipos de gramíneas y 21 leguminosas.

Cuadro Características físicas y químicas del suelo "Ocuilapa" Mpio. Tonalá, Chiapas, México.

Profundidad	Textura	ph 1:2	CE mmhos/cm	M.Oa %	Nb %	PC ppm	K		Mg Interc ppm	Ca		Mn ppm	Fe ppm	Zn ppm	Cu ppm	Saturac Sales Solu bles %	
							Interc ppm	Interc ppm		Interc ppm	Interc ppm						
0-20	Mig-Aren																
	Aren =51.0 %		0.46	2.68	0.146	2.97	254.7	1016.2	1202.5	43.5	5.15	6.62	0.064	3.86			
	Limo =27.5 % Arcilla=21.5 %	5.8															
0-40	Mig-Arci-Aren																
	Aren =50.5 %		0.37	1.50	0.084	1.94	160.7	1220.0	1333.7	42.7	1.016	3.21	0.083	3.195			
	Limo =23.0 % Arcilla=26.5 %	6.1															

- a. Método Walkley-Black
- b. Método Kjeldahl A.O.A.C.
- c. Método Peech.

Cuadro 2. Evaluaciones realizadas durante el establecimiento y en la época de máxima precipitación.

Siembra en Establecimiento		En producción	
		Máxima precipitación	
Desde	15 Junio 1983	15 Junio 1983	10 Junio 1984
		12 Sept 1983	8 Sept 1984

Se han obtenido del ensayo los siguientes avances preliminares:

1. Por su rapidez de establecimiento, producción de forraje, tolerancia a plagas y enfermedades y por su persistencia, están sobresaliendo los siguientes ecotipos: Andropogon gayanus # 4, Andropogon gayanus 621, Brachiaria humidicola 679, Brachiaria dictyoneura 6133, Brachiaria decumbens 606, Stylosanthes guianensis 64A y 136, Pueraria phaseoloides 9900, Centrosema pubescens 5053, 438 y 5189, Centrosema brasilianum 5184 y 5055; éstas últimas con un gran potencial de producción de semillas.
2. En el periodo de evaluación de máxima precipitación al aumentar la edad del pasto, hasta las 12 semanas aumentó también la producción de forraje. Este aumento fue mayor entre las 3 y 6 semanas de edad para las gramíneas y entre 6 y 9 semanas de edad para las leguminosas.

ECCOTIPO	4 SEMANAS		8 SEMANAS		12 SEMANAS	
	ALTURA (CM)	CV (%)	ALTURA (CM)	CV (%)	ALTURA (CM)	CV (%)
BRACHIARIA	21	23	31	10	30	6
ANDROPOGON	18	27	50	19	107	17
HUMIDICO	9	679	22	26	47	17
BRACHIARIA	23	31	15	41	37	12
RYZIZITN	23	17	20	15	44	15
CYNDOJN	17	26	17	33	24	18
DIGITARIA	14	25	29	42	29	22
ANDROPOGON	41	26	29	20	75	24
BRACHIARIA	15	30	43	20	68	15
LEGUMINOSAS :						
STYLOSANTHES	7	28	21	27	38	18
GUIANENS	5	30	17	38	26	24
OVALIFOL	3	34	11	14	16	19
DESODIUM	7	38	15	35	25	43
PURPESCN	438	38	17	21	24	39
STYLOSANTHES	644	30	14	18	19	32
ZORNIA	728	32	16	13	31	17
STYLOSANTHES	1283	25	11	22	15	19
DESODIUM	3784	9	18	28	23	32
CENTRUSOMA	5053	21	13	29	18	31
BRASILIA	5065	36	16	30	29	31
CENTRUSOMA	5065	21	15	30	29	32
CENTRUSOMA	5112	8	15	31	22	23
CENTRUSOMA	5126	7	14	22	25	28
CENTRUSOMA	5184	6	14	30	17	27
CENTRUSOMA	5189	8	15	29	21	20
CENTRUSOMA	5234	6	10	17	13	47
ZORNIA	7847	3	12	33	22	20
LATIFOLI	9199	4	9	24	10	19
ASCCHYNOMENE	9690	5	12	17	24	16
PUERARIA	9900	5	20	29	42	14
PHASEOLO	9900	4	19	32	39	26
CAPITATA	10280	4	19	32	39	26

ECCOTIPO	4 SEMANAS		6 SEMANAS		8 SEMANAS		12 SEMANAS	
	COBERTURA	DUNCAN	COBERTURA	DUNCAN	COBERTURA	DUNCAN	COBERTURA	DUNCAN
BRACHIARIA	3	B	88	A	100	A	100	A
ANDROPOGON	2	B	76	BC	74	BA	74	BA
HUMIDICO	6	B	44	BC	5	CD	27	D
BRACHIARIA	25	B	40	BCD	85	BA	85	BA
PLECTOST	143	A	32	CD	57	BC	57	BC
CYNDOJN	12	B	2	D	3	C	3	C
DIGITARIA	10	B	78	BA	68	BA	68	BA
ANDROPOGON	2	B	23	BA	60	BA	60	BA
BRACHIARIA	4	B	6	B	33	EGF	33	EGF
LEGUMINOSAS :								
STYLOSANTHES	6	BA	16	B	93	BAC	93	BAC
GUIANENS	2	BA	17	B	98	A	98	A
OVALIFOL	3	BA	5	B	10	G	10	G
DESODIUM	1	B	9	B	67	EMDAGCF	67	EMDAGCF
PURPESCN	2	BA	21	B	49	EMDAGCF	49	EMDAGCF
STYLOSANTHES	4	BA	9	B	90	EMDAGCF	90	EMDAGCF
ZORNIA	2	BA	15	B	82	EMDAGCF	82	EMDAGCF
STYLOSANTHES	2	BA	21	B	85	EMDAGCF	85	EMDAGCF
CENTRUSOMA	4	BA	10	B	36	EDGF	36	EDGF
BRASILIA	2	BA	3	B	23	CF	23	CF
SP	1	B	11	B	68	EMDAGCF	68	EMDAGCF
PURPESCN	3	BA	17	B	94	BA	94	BA
BRASILIA	4	BA	25	BA	98	A	98	A
CENTRUSOMA	3	BA	3	B	47	EMDAGCF	47	EMDAGCF
PURPESCN	3	BA	4	B	26	CF	26	CF
BRASILIA	2	BA	4	B	58	EMDAGCF	58	EMDAGCF
GLABRA	7347	BA	7	B	38	EDGCF	38	EDGCF
ZORNIA	9199	BA	48	A	100	A	100	A
LATIFOLI	9199	BA	8	B	54	EMDAGCF	54	EMDAGCF
ASCCHYNOMENE	9690	BA						
PUERARIA	9900	BA						
PHASEOLO	9900	BA						
CAPITATA	10280	BA						

RECIBO	TRIPS AC.	PULGUILLA	COMEDOR	HEMIFTERO	SALIVAZO	BARENAD.	PERFORAD.	OTRO1	OTRO2
GRAMINEAS :									
BRACHIARIA	505	1.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DECUMBEN	621	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAYANUS	679	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HUMIDICO	142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PURISCFN	143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLCSTUST	144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DACTYLON	145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DECUMBEN	146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GAYANUS	146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DICTYONE	6133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LEGUMINOSAS :									
STYLOSANTHES	136	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00
GUIANENS	191	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STYLOSANTHES	350	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OVALIFOL	438	0.00	0.44	0.11	0.00	0.00	0.00	0.00	0.00
PURISCFN	438	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00
STYLOSANTHES	644	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LATIFOLI	729	0.00	1.44	0.00	0.00	0.00	0.00	0.00	0.00
GUIANENS	1283	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
STYLOSANTHES	3784	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OVALIFOL	5053	0.00	0.22	0.44	0.00	0.00	0.00	0.00	0.00
PURISCFN	5053	0.00	0.22	0.44	0.00	0.00	0.00	0.00	0.00
BRASILIA	5055	0.00	0.44	0.44	0.00	0.00	0.00	0.00	0.00
MACROCAR	5065	0.00	0.22	0.78	0.00	0.00	0.00	0.00	0.00
SP.	5112	0.00	0.11	0.67	0.11	0.00	0.00	0.00	0.00
PURISCFN	5126	0.00	0.11	0.22	0.33	0.00	0.00	0.00	0.00
BRASILIA	5184	0.00	0.44	0.11	0.44	0.00	0.00	0.00	0.00
PURISCFN	5190	0.00	0.22	0.67	0.33	0.00	0.00	0.00	0.00
BRASILIA	5234	0.00	0.33	0.67	0.00	0.00	0.00	0.00	0.00
GLABRA	7987	0.00	1.22	0.67	1.22	0.00	0.00	0.00	0.00
LATIFOLI	9199	0.00	1.22	0.57	1.22	0.00	0.00	0.00	0.00
MISTRIX	9670	0.00	0.11	0.11	0.11	0.00	0.00	1.00	0.00
PHASELCO	9700	0.00	0.00	0.78	0.00	0.00	0.00	0.00	0.00
STYLOSANTHES	10260	0.00	0.78	0.00	0.00	0.00	0.00	0.00	0.00

ESTABLECIMIENTO MEXICO

LOCALIDAD TONALA

EVALUACION DE ENFERMEDADES

RECIBO	NEGRA	MARRON	NARAN.	CREMA	MARRON	NARAP.	NEGRA	TALLO	MARKUN	CHANC.	MARCN.	CLORD.	I-PEG.	I-G-PG
GRAMINEAS :														
BRACHIARIA	605	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DECUMBEN	621	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GAYANUS	679	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HUMIDICO	142	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PURISCFN	142	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PURISCFN	143	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PLCSTUST	143	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DACTYLON	144	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DECUMBEN	145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GAYANUS	145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DICTYONE	6133	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEGUMINOSAS :														
STYLOSANTHES	136	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GUIANENS	191	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STYLOSANTHES	350	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVALIFOL	438	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PURISCFN	438	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STYLOSANTHES	644	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LATIFOLI	729	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GUIANENS	1283	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STYLOSANTHES	3784	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVALIFOL	5053	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PURISCFN	5053	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRASILIA	5055	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MACROCAR	5065	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SP.	5112	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PURISCFN	5126	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRASILIA	5184	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PURISCFN	5190	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRASILIA	5234	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLABRA	7987	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LATIFOLI	9199	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MISTRIX	9670	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PHASELCO	9700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STYLOSANTHES	10260	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

MAXIMA PRECIPITACION PRODUCCION DE MATERIA SECA KG/HA LOCALIDAD:TONALA MEXICO

EVALUACION : 1

ECOTIPO	3 SEMANAS			6 SEMANAS			9 SEMANAS			12 SEMANAS		
	MS,KG/HA	DUNCAN	DUNCAN	MS,KG/HA	DUNCAN	DUNCAN	MS,KG/HA	DUNCAN	DUNCAN	MS,KG/HA	DUNCAN	DUNCAN
BRACHIARIA	606	593	E	2100	D.E.=583	D.E.=618	2009	D.E.=5082	D.E.=1621	5729	D.E.=6150	D.E.=4004
ANDROPOGON	621	3018	A	6715	A	A	8356	B	B	12225	BA	C
BRACHIARIA	679	2722	BA	4262	C	C	5119	C	C	6405	RC	RC
BRACHIARIA	-142	1633	EDC	3245	D	D	3372	DC	DC	4928	C	C
CYNODON	-143	1215	EU	1825	E	E	1279	D	D	404	C	C
CYNODON	-144	2358	BAC	3224	D	D	1295	D	D	536	C	C
DIRTARIA	-145	3245	A	5600	B	B	3798	DC	DC	3524	C	C
ANDROPOGON	-146	3098	A	6905	A	A	15448	A	A	16689	A	A
BRACHIARIA	6133	1898	BOC	5135	BOC	CR	5071	C	C	4940	C	C
LEGUMINOSAS :	MEDIA=700			MEDIA=1683			MEDIA=2406			MEDIA=2643		
STYLOSANTHES	1361	971	D.E.=250	1260	D.E.=618	D.E.=1657	1952	BA	BA	2767	CE0	CE0
STYLOSANTHES	1911	616	BOAC	815	EDGCF	EGF	2247	BA	BA	3902	CE0	CE0
DESODIUM	3501	0	G	2820	BA	BA	2666	BA	BA	2875	CE8D	CE8D
CENTROSEMA	4381	754	BDEC	2154	BOAC	BA	4391	A	A	8912	A	A
STYLOSANTHES	6441	850	BDEC	725	GF	GF	3300	BA	BA	1692	ED	ED
ZORNIA	7251	573	FDE	800	EGF	EGF	1235	BA	BA	1684	ED	ED
STYLOSANTHES	12831	1180	BA	1625	BDEC	BDEC	3660	BA	BA	2970	CE8D	CE8D
CENTROSEMA	5053	749	BDEC	1538	FDEG	FDEG	2186	BA	BA	976	ED	ED
CENTROSEMA	5055	487	FDEG	1120	FEF	FEF	2400	BA	BA	831	E	E
CENTROSEMA	5065	332	FEF	408	FG	G	1031	BA	BA	477	E	E
CENTROSEMA	5112	123	FG	2070	BAC	BAC	2660	BA	BA	3030	CE8D	CE8D
CENTROSEMA	5126	1119	BAC	2158	BOAC	BOAC	1942	BA	BA	1400	ED	ED
CENTROSEMA	5184	964	BOAC	2761	BAC	BAC	4266	A	A	2233	CE0	CE0
CENTROSEMA	5159	828	BDEC	1537	FUE	FUE	538	B	B	990	ED	ED
CENTROSEMA	5234	510	FUE	1943	A	A	1451	BA	BA	781	E	E
ZORNIA	7847	1396	A	391	G	G	736	B	B	775	E	E
LATIFOLI	9199	0	G	2330	FDF	FDF	3905	BA	BA	5577	A	A
ACSHYCOMENE	9690	564	FDF	3220	FDEC	FDEC	3500	BA	BA	4818	CB	CB
PURARATA	9900	618	FDEC	568	FDEG	FDEG	731	B	B	1394	ED	ED
STYLOSANTHES	10290	490	FDEG									

EVALUACION : 1 LOCALIDAD: TONALA MEXICO

MAXIMA PRECIPITACION PORCENTAJE DE COBERTURA

ECC TIPO	3 SEMANAS			6 SEMANAS			9 SEMANAS			12 SEMANAS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	COBERTU.	DUNCAN	COBERTU.	DUNCAN	COBERTU.	DUNCAN	COBERTU.	DUNCAN	COBERTU.	DUNCAN	COBERTU.	DUNCAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	MEDIA=92	D.E.=7	MEDIA=97	D.E.=3	MEDIA=97	D.E.=3	MEDIA=100	D.E.=0	MEDIA=100	D.E.=0	MEDIA=100	D.E.=0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
GRAMINEAS :													BRACHIARIA	606	C	81	C	100	A	100	A	100	A	100	A	ANDROPOGON	621	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	679	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	742	C	92	C	100	B	100	A	100	A	100	A	CYNODON	143	A	100	A	100	A	100	A	100	A	100	A	PLACOST	143	A	100	A	100	A	100	A	100	A	100	A	DACTYLON	144	A	100	A	100	A	100	A	100	A	100	A	DECUMEN	145	A	100	A	100	A	100	A	100	A	100	A	ANDROPOGON	146	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	146	A	100	A	100	A	100	A	100	A	100	A	DICTYONE	6133	B	100	A	100	A	100	A	100	A	100	A	LEGUMINOSAS :													LEGUMINOSAS :													GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A
BRACHIARIA	606	C	81	C	100	A	100	A	100	A	100	A	ANDROPOGON	621	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	679	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	742	C	92	C	100	B	100	A	100	A	100	A	CYNODON	143	A	100	A	100	A	100	A	100	A	100	A	PLACOST	143	A	100	A	100	A	100	A	100	A	100	A	DACTYLON	144	A	100	A	100	A	100	A	100	A	100	A	DECUMEN	145	A	100	A	100	A	100	A	100	A	100	A	ANDROPOGON	146	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	146	A	100	A	100	A	100	A	100	A	100	A	DICTYONE	6133	B	100	A	100	A	100	A	100	A	100	A	LEGUMINOSAS :													LEGUMINOSAS :													GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A													
ANDROPOGON	621	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	679	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	742	C	92	C	100	B	100	A	100	A	100	A	CYNODON	143	A	100	A	100	A	100	A	100	A	100	A	PLACOST	143	A	100	A	100	A	100	A	100	A	100	A	DACTYLON	144	A	100	A	100	A	100	A	100	A	100	A	DECUMEN	145	A	100	A	100	A	100	A	100	A	100	A	ANDROPOGON	146	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	146	A	100	A	100	A	100	A	100	A	100	A	DICTYONE	6133	B	100	A	100	A	100	A	100	A	100	A	LEGUMINOSAS :													LEGUMINOSAS :													GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																										
BRACHIARIA	679	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	742	C	92	C	100	B	100	A	100	A	100	A	CYNODON	143	A	100	A	100	A	100	A	100	A	100	A	PLACOST	143	A	100	A	100	A	100	A	100	A	100	A	DACTYLON	144	A	100	A	100	A	100	A	100	A	100	A	DECUMEN	145	A	100	A	100	A	100	A	100	A	100	A	ANDROPOGON	146	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	146	A	100	A	100	A	100	A	100	A	100	A	DICTYONE	6133	B	100	A	100	A	100	A	100	A	100	A	LEGUMINOSAS :													LEGUMINOSAS :													GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																							
BRACHIARIA	742	C	92	C	100	B	100	A	100	A	100	A	CYNODON	143	A	100	A	100	A	100	A	100	A	100	A	PLACOST	143	A	100	A	100	A	100	A	100	A	100	A	DACTYLON	144	A	100	A	100	A	100	A	100	A	100	A	DECUMEN	145	A	100	A	100	A	100	A	100	A	100	A	ANDROPOGON	146	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	146	A	100	A	100	A	100	A	100	A	100	A	DICTYONE	6133	B	100	A	100	A	100	A	100	A	100	A	LEGUMINOSAS :													LEGUMINOSAS :													GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																				
CYNODON	143	A	100	A	100	A	100	A	100	A	100	A	PLACOST	143	A	100	A	100	A	100	A	100	A	100	A	DACTYLON	144	A	100	A	100	A	100	A	100	A	100	A	DECUMEN	145	A	100	A	100	A	100	A	100	A	100	A	ANDROPOGON	146	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	146	A	100	A	100	A	100	A	100	A	100	A	DICTYONE	6133	B	100	A	100	A	100	A	100	A	100	A	LEGUMINOSAS :													LEGUMINOSAS :													GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																	
PLACOST	143	A	100	A	100	A	100	A	100	A	100	A	DACTYLON	144	A	100	A	100	A	100	A	100	A	100	A	DECUMEN	145	A	100	A	100	A	100	A	100	A	100	A	ANDROPOGON	146	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	146	A	100	A	100	A	100	A	100	A	100	A	DICTYONE	6133	B	100	A	100	A	100	A	100	A	100	A	LEGUMINOSAS :													LEGUMINOSAS :													GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																														
DACTYLON	144	A	100	A	100	A	100	A	100	A	100	A	DECUMEN	145	A	100	A	100	A	100	A	100	A	100	A	ANDROPOGON	146	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	146	A	100	A	100	A	100	A	100	A	100	A	DICTYONE	6133	B	100	A	100	A	100	A	100	A	100	A	LEGUMINOSAS :													LEGUMINOSAS :													GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																											
DECUMEN	145	A	100	A	100	A	100	A	100	A	100	A	ANDROPOGON	146	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	146	A	100	A	100	A	100	A	100	A	100	A	DICTYONE	6133	B	100	A	100	A	100	A	100	A	100	A	LEGUMINOSAS :													LEGUMINOSAS :													GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																								
ANDROPOGON	146	A	100	A	100	A	100	A	100	A	100	A	BRACHIARIA	146	A	100	A	100	A	100	A	100	A	100	A	DICTYONE	6133	B	100	A	100	A	100	A	100	A	100	A	LEGUMINOSAS :													LEGUMINOSAS :													GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																					
BRACHIARIA	146	A	100	A	100	A	100	A	100	A	100	A	DICTYONE	6133	B	100	A	100	A	100	A	100	A	100	A	LEGUMINOSAS :													LEGUMINOSAS :													GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																		
DICTYONE	6133	B	100	A	100	A	100	A	100	A	100	A	LEGUMINOSAS :													LEGUMINOSAS :													GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																															
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GUANENS	136	EBDC	77	EBDC	77	EBDC	88	A	88	A	100	A	GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																						
GUANENS	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																			
STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																
STYLOSANTHES	191	EBDC	51	EBDC	51	EBDC	100	A	100	A	100	A	PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																													
PSORIDIUM	350	EBDC	28	EBDC	28	EBDC	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																										
CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	CENTROSEMA	428	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	644	BA	69	BA	69	BA	100	A	100	A	100	A	GUANENS	644	BA	69	BA	69	BA	100	A	100	A	100	A	LATIFOLI	728	EDC	14	EDC	14	EDC	100	A	100	A	100	A	GUANENS	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																							
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STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	STYLOSANTHES	1293	BA	55	BA	55	BA	100	A	100	A	100	A	PURSCEN	5053	BA	29	BA	29	BA	100	A	100	A	100	A	CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																					
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CENTROSEMA	5053	BA	29	BA	29	BA	100	A	100	A	100	A	BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																												
BRASTLIA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																									
CENTROSEMA	5055	EBDC	29	EBDC	29	EBDC	100	A	100	A	100	A	MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																						
MACROCAR	5065	F	10	F	10	F	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	CENTROSEMA	5112	ED	11	ED	11	ED	100	A	100	A	100	A	PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																			
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PURSCEN	5126	BA	66	BA	66	BA	100	A	100	A	100	A	CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																										
CENTROSEMA	5126	BA	66	BA	66	BA	100	A	100	A	100	A	BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
BRASILIA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
CENTROSEMA	5184	BDAC	89	BDAC	89	BDAC	100	A	100	A	100	A	PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
PURSCEN	5189	A	32	A	32	A	100	A	100	A	100	A	CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
CENTROSEMA	5189	A	32	A	32	A	100	A	100	A	100	A	BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
BRASILIA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
CENTROSEMA	5234	BDAC	42	BDAC	42	BDAC	100	A	100	A	100	A	ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
ZORNIA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
GLAJPA	7847	BA	68	BA	68	BA	100	A	100	A	100	A	ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
ZORNIA	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
LATIFOLI	9199	EBDC	34	EBDC	34	EBDC	100	A	100	A	100	A	AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
AESCHYMOENE	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
HISTRIX	9590	BDAC	51	BDAC	51	BDAC	100	A	100	A	100	A	PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
PUERARIA	9700	BA	64	BA	64	BA	100	A	100	A	100	A	PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
PHASEOLO	9700	BA	64	BA	64	BA	100	A	100	A	100	A	STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
STYLOSANTHES	10280	EBDC	29	EBDC	29	EBDC	44	DC	38	B	100	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

EVALUACION : 1

MAXIMA PRECIPITACION REGRESIONES DE PRODUCCION MEDIA DE MATERIA SECA VS. EDAD LOCALIDAD: TUNALA MEXICO

ESPECIE	C	L I N E A L	NIVEL DE SIGNIFI.	R		C U A D R A T I C O		NIVEL DE SIGNIFI.
				CUADRADO	L I N E A L	CUADRADO	L I N E A L	
GRAMINEAS :								
URACMIARIA	606	378.1	0.001	0.47	0.001	0.49	78.0	0.850
GAYANUS	621	1004.6	0.001	0.94	0.001	0.94	1042.6	0.001
HUMIDICO	679	590.3	0.001	0.63	0.001	0.95	859.8	0.001
BRACHIARIA	-142	421.6	0.001	0.91	0.001	0.92	566.6	0.001
PLECTOST	-143	114.6	0.001	0.51	0.001	0.95	599.6	0.001
DACTYLON	-144	164.8	0.010	0.39	0.010	0.89	915.7	0.001
DIGITARIA	-145	443.7	0.001	0.73	0.001	0.92	1332.7	0.001
ANDROPODON	-146	1441.4	0.001	0.90	0.001	0.90	1248.7	0.030
BRACHIARIA	6133	523.8	0.001	0.92	0.001	0.94	1042.6	0.001
LEGUMINOSAS :								
STYLOSANTHES	135	226.9	0.001	0.76	0.001	0.76	237.6	0.190
STYLOSANTHES	191	268.9	0.001	0.84	0.001	0.83	38.0	0.770
CENTROSEMA	428	287.7	0.001	0.91	0.001	0.94	517.9	0.001
STYLOSANTHES	644	526.5	0.001	0.75	0.001	0.77	-15.1	0.970
ZORNIA	723	211.7	0.040	0.36	0.040	0.37	370.0	0.390
STYLOSANTHES	1293	146.9	0.031	0.77	0.031	0.79	234.6	0.040
CENTROSEMA	5033	293.4	0.001	0.93	0.001	0.93	396.4	0.001
CENTROSEMA	5053	155.9	0.001	0.54	0.001	0.63	415.2	0.030
BRASILIA	5065	197.8	0.050	0.45	0.050	0.51	429.0	0.230
MACROCAR	5114	65.8	0.020	0.49	0.020	0.51	108.9	0.240
CENTROSEMA	5126	284.0	0.001	0.85	0.001	0.87	422.7	0.020
CENTROSEMA	5189	182.3	0.001	0.79	0.001	0.69	511.1	0.020
CENTROSEMA	5189	312.0	0.001	0.79	0.001	0.88	720.9	0.001
CENTROSEMA	5234	97.4	0.010	0.53	0.010	0.61	247.4	0.090
ZORNIA	7047	141.8	0.001	0.61	0.001	0.94	561.6	0.001
LATIFOLI	9199	68.6	0.001	0.68	0.001	0.68	61.1	0.450
AESCHYLORENE	9690	443.4	0.001	0.95	0.001	0.95	306.1	0.060
PUERARIA	9900	409.2	0.001	0.92	0.001	0.92	445.9	0.020
STYLOSANTHES	10290	105.4	0.001	0.77	0.001	0.77	99.5	0.280

EVALUACION : 1

MAXIMA PRECIPITACION		EVALUACION DE INSECTOS				LOCALIDAD:TONALA				MEXICO		
ECOTIPO		TRIPS	AC.	PULGUILLA	COMEDOR	HEMIPTERO	SALIVAZO	BARRENO.	PERFORAD.	OTRO1	OTRO2	
GRAMINEAS :												
BRACHIARIA	605	0.00	2.56	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ANDROPOGON	021	0.00	0.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BRACHIARIA	679	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BRACHIARIA	-142	0.00	1.94	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CYNODON	143	0.00	2.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LECTOST	-144	0.00	2.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DICTYOTA	145	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ANDROPOGON	-146	0.00	2.06	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BRACHIARIA	-148	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DICTYOTE	6135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LEGUMINOSAS :												
GUIANENS	135	0.00	0.06	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
STYLOSANTHES	191	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
DESYDRIUM	350	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CENTROSEMA	438	0.00	0.17	0.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
STYLOSANTHES	644	0.00	0.03	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ZORNIA	728	0.00	1.82	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
STYLOSANTHES	1283	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CENTROSEMA	5053	0.00	0.08	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CENTROSEMA	5055	0.00	1.75	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CENTROSEMA	5065	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MACRODAR	5112	0.00	0.20	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PURSCEN	5126	0.00	0.17	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CENTROSEMA	5134	0.00	1.75	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CENTROSEMA	5189	0.00	0.42	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CENTROSEMA	5234	0.00	1.50	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
BRASILIA	7547	0.00	1.42	1.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
GLABRA	9199	0.00	1.50	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
ZORNIA	9199	0.00	1.50	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LATIFOLI	9199	0.00	1.50	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
AFSCHYOMENE	9590	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
HIEPPIX	9590	0.00	0.17	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
PUERARIA	9590	0.00	0.17	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
STYLOSANTHES	10290	0.00	0.44	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CAPITATA	10290	0.00	0.44	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

EVALUACION : 1
 EVALUACION DE ENFERMEDADES
 LOCALIDAD:TONALA
 MEXICO

LEOTIPO	HOJA										TALLO				OTROS			
	NEGRA	MARRON	MAPAN.	CREMA	MARRP.	NARRAP.	NEGRA	MARRON	CHANC.	MARCN.	CLORO.	I.PEG.	I.G.PG					
LEGUMINOSAS :																		
BRACHIARIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ANDROPOGON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
BRACHIARIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
BRACHIARIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
RYZIZIEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CYNODON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DACTYLOD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DECUMBEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
GAYANUS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DICTYONE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
LEGUMINOSAS :																		
GUIANENS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
GUIANENS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
STYLOSANTHES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
STYLOSANTHES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
DESMODIUM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CENTROSEMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
STYLOSANTHES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ZORRIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
STYLOSANTHES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CENTROSEMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CENTROSEMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CENTROSEMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CENTROSEMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CENTROSEMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CENTROSEMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CENTROSEMA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ZORNIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
ZORNIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
AESCHYNUMENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
PUERARIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CAPITATA10230	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

CONDICIONES CLIMATICAS DURANTE LOS PERIODOS DE EVALUACION
 LOCALIDAD: TONALA MEXICO
 PERIODO DE ESTABLECIMIENTO

BH32

SEMANA	TEMPERATURA			PRECIPITACION (MM)	DIAS DE LLUVIA
	MAXIMA (C)	MINIMA (C)	MEDIA (C)		
1	29	18	24	58	5
2	29	19	24	33	1
3	28	19	24	31	5
4	28	18	23	74	5
5	29	19	24	1	1
6	27	19	23	33	3
7	28	18	23	9	1
8	29	17	23	0	0
9	30	17	23	0	0
10	29	17	23	0	0
11				0	0
12				0	0
13				0	0
0-4 SEMANAS :				201	16
0-8 SEMANAS :				243	21
0-12 SEMANAS :				243	21

