

ESTABLECIMIENTO Y PRODUCCION DE GRAMINEAS Y LEGUMINOSAS FORRAJERAS
EN PEDRO BRAND, REPUBLICA DOMINICANA

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ERB

CENIP/SEA

El ensayo se realiza en la Estación Experimental del Centro Nacional de Investigaciones Pecuarias - CENIP, en Pedro Brand, D.N., situada a $18^{\circ} 34'$ de latitud norte y a $70^{\circ} 05'$ longitud oeste, a una elevación de 90 msn. La precipitación media anual es 1,866 mm y la temperatura de 25.5°C (Figura 1). La región corresponde al ecosistema bosque tropical lluvioso. Las características físicas y químicas del suelo se presentan en el Cuadro 1.

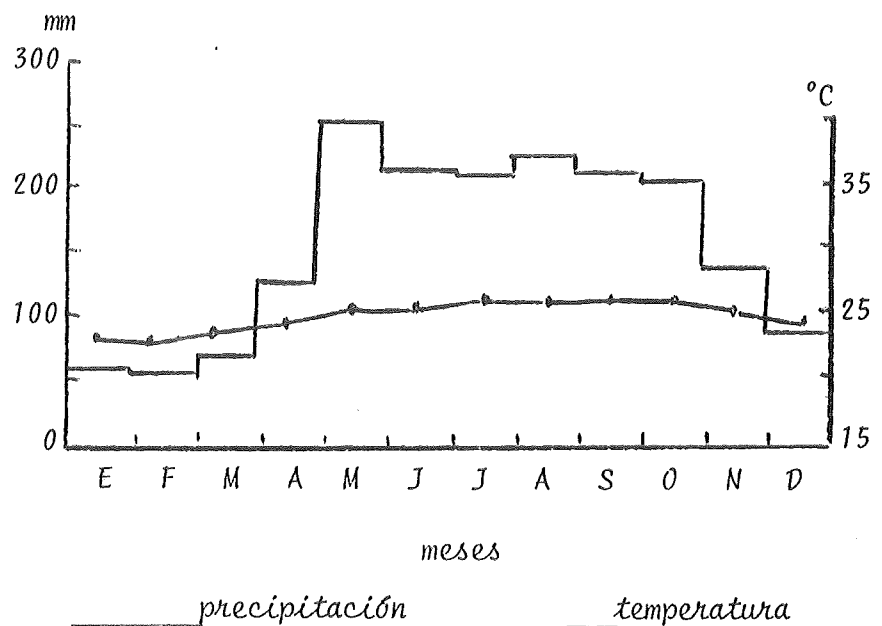


Figura 1. Características climáticas de la región de Pedro Brand, República Dominicana.

Se están evaluando en los períodos que aparecen en el Cuadro 2--16 ecotipos de leguminosas y 6 de gramíneas.

Cuadro 1. Características físicas y químicas del suelo en Pedro Brand, República Dominicana.

Profundidad (cm)	Arena (%)	Limo (%)	Arcilla (%)	pH	(meq/100g)			Sat. Al (%)	P (ppm)	Na.	Mo	
					Al	Ca	Mg					K
0-20	52	02	46	5.1	1.26	70	11.0	0.13	6.0	4.7	0.53	6.2
20-40	24	02	74	4.8	6.78	85	21.4	0.90	18.0	3.7	0.78	3.4

Cuadro 2. Evaluaciones realizadas durante el establecimiento y en las épocas de mínima y máxima precipitación.

	Siembra	Em establecimiento	En Producción			
			Mínima precipitación	Máxima precipitación	Mínima precipitación	Máxima precipitación
Desde	13 Agosto 1983	31 Agosto 1983	20 Dic. 1983	12 Dic. 1983	31 Mayo 1985	31 Mayo 1985
		27 Octubre 1983	10 Abr. 1984	12 Mar. 1985	13 Nov. 1984	23 Mayo 1985

PERIODO DE ESTABLECIMIENTO PROMEDIO Y COEFICIENTE DE VARIACION DE ALTURA LOCALIDAD: PEDRO BRAND REP. DOMINICANA

ECOTIPO	GAMINEAS :	4 SEMANAS		8 SEMANAS		12 SEMANAS	
		ALTURA (CM)	CV (%)	ALTURA (CM)	CV (%)	ALTURA (CM)	CV (%)
ANDROPOGON	GAYANUS 621	5	14	30	24	45	11
BRACHIARIA	BRIZANTH 664	5	4	18	21	28	19
BRACHIARIA	HUMIDICO 679	2	22	20	26	31	27
PASPALUM	PLICATUL 600A	4	9	18	15	30	15
BRACHIARIA	DICTYONE 6133	4	3	25	19	34	22
ANDROPOGON	GAYANUS 6200	4	11	22	19	32	20
LEGUMINOSAS :							
STYLOSANTHES	CAPITATA 1019	1	22	14	12	19	32
STYLOSANTHES	LEUCARP 1087	1		18	12	16	29
STYLOSANTHES	GUIANENS 1280	1	32	15	19	25	21
STYLOSANTHES	CAPITATA 1441	1	21	19	15	23	17
STYLOSANTHES	MACROCEP 1592	2	18	14	13	25	21
STYLOSANTHES	MACROCEP 1543	1		12	16	21	30
STYLOSANTHES	CAPITATA 2044	1	25	14	17	24	22
STYLOSANTHES	MACROCEP 2133	1	24	18	13	21	31
DESMODIUM	OVALIFOL 3784	1	18	17	10	12	9
CENTROSEMA	MACROCAR 5062	3	21	13	28	14	17
CENTROSEMA	MACROCAR 5065	1	31	20	11	20	20
CENTROSEMA	BRASILIA 5234	1	19	13	16	11	25
CENTROSEMA	SP.	2	31	14	14	15	23
ZORNIA	BRASILIE 7485	1	24	17	13	28	26
ZORNIA	GLABRA 7847	2	7	9	28	15	28
PUERARIA	PHASEOLO 9900	1	19	16	16	15	24
STYLOSANTHES	CAPITATA 10280	1		12	14	15	19
DESMODIUM	INCANUM 13032	1	22	15	17	18	22

ECOTIPO	GAMINEAS :	4 SEMANAS		6 SEMANAS		12 SEMANAS	
		COBERTURA	DUNCAN	COBERTURA	DUNCAN	COBERTURA	DUNCAN
ANDROPOGON	GAYANUS 621	MEDIA=2	D.O.E.=	30	0	67	A
BRACHIARIA	BRIZANTH 664	2	A	40	BA	57	A
BRACHIARIA	HUMIDICO 679	1	A	50	BA	85	A
PASPALUM	PLICATUL 600A	4	A	60	A	87	A
BRACHIARIA	DICTYONE 6133	4	A	26	B	60	A
ANDROPOGON	GAYANUS 6200	1	A	40	BA	67	A
LEGUMINOSAS :							
STYLOSANTHES	CAPITATA 1019	MEDIA=2	D.O.E.=	19	11	MEDIA=41	D.O.E.= 19
STYLOSANTHES	LEUCARP 1087	2	CB	26	CB	32	DC
STYLOSANTHES	GUIANENS 1280	2	CB	18	CB	32	DC
STYLOSANTHES	CAPITATA 1441	2	CB	24	CB	72	BA
STYLOSANTHES	MACROCEP 1592	1	CB	26	CB	34	BDC
STYLOSANTHES	MACROCEP 1643	1	C	16	CB	51	BDAC
STYLOSANTHES	CAPITATA 2044	1	C	18	CB	31	DC
DESMODIUM	MACROCEP 2133	2	CB	14	C	27	D
DESMODIUM	OVALIFOL 3784	2	CB	33	CB	51	DC
CENTROSEMA	MACROCAR 5062	5	B	27	CB	70	BAC
CENTROSEMA	MACROCAR 5065	2	CB	27	CB	46	BDAC
CENTROSEMA	BRASILIA 5234	2	CB	20	CB	32	DC
CENTROSEMA	SP.	3	CB	26	CB	49	EDAC
ZORNIA	BRASILIE 7485	1	CB	15	C	30	O
ZORNIA	GLABRA 7847	1	CB	20	CB	23	O
PUERARIA	PHASEOLO 9900	6	A	57	A	80	O
STYLOSANTHES	CAPITATA 10280	1	CB	21	CB	17	O
DESMODIUM	INCANUM 13032	2	CB	38	B	51	9DAC

ESTABLECIMIENTO	EVALUACION DE INSECTOS					LOCALIDAD: PEDRO BRANO					REP. DOMINICANA
	ECOTIPO	GRAMINEAS	TRIPS AC.	PULGUILLA	COMEDOR	HEMIPERO SALIVAZO	BARRENAD.	PERFORAD.	OTRO1	OTRO2	
GAYANUS 021		0.22	0.67	0.33	0.22	0.00	0.00	0.00	0.00	0.00	
BRIZANTH 664		0.44	0.56	0.67	0.11	0.00	0.00	0.00	0.00	0.00	
HUMIDICO 679		0.33	0.78	0.56	0.00	0.00	0.00	0.00	0.00	0.00	
PLICATUL 600A		0.33	0.67	0.44	0.11	0.00	0.00	0.00	0.00	0.00	
DICTYONE 6133		0.33	0.44	0.33	0.11	0.00	0.00	0.00	0.00	0.00	
GAYANUS 6200		0.33	0.67	0.22	0.22	0.00	0.00	0.00	0.00	0.00	
CAPITATA 1019		0.22	0.33	0.44	0.00	0.00	0.00	0.00	0.00	0.00	
LEUCARP 1037		0.22	0.33	0.67	0.00	0.00	0.00	0.00	0.00	0.00	
GUIANENS 1250		0.33	0.56	0.67	0.00	0.00	0.00	0.00	0.00	0.00	
CAPITATA 1441		0.44	0.56	0.78	0.33	0.00	0.00	0.00	0.00	0.00	
MACROCEP 1532		0.22	0.67	0.67	0.00	0.00	0.00	0.00	0.00	0.00	
MACROCEP 1643		0.11	0.56	0.67	0.00	0.00	0.00	0.00	0.00	0.00	
CAPITATA 2044		0.33	0.33	0.44	0.00	0.00	0.00	0.00	0.00	0.00	
MACROCEP 2133		0.44	0.56	0.67	0.00	0.00	0.00	0.00	0.00	0.00	
OVALIFOL 3794		0.33	0.44	0.57	0.11	0.00	0.00	0.00	0.00	0.00	
MACROCAR 5062		0.59	0.67	1.33	0.11	0.00	0.00	0.00	0.00	0.00	
MACROCAR 5065		0.67	0.67	1.33	0.11	0.00	0.00	0.00	0.00	0.00	
BRASILIA 5234		0.67	0.56	1.11	0.33	0.00	0.00	0.00	0.00	0.00	
SP. 5279		0.44	0.44	1.11	0.00	0.00	0.00	0.00	0.00	0.00	
BRASILIE 7465		0.33	0.56	0.33	0.11	0.00	0.00	0.00	0.00	0.00	
GLABRA 7847		0.33	0.89	0.89	0.22	0.00	0.00	0.00	0.00	0.00	
PUERARIA 9900		0.75	0.44	1.11	0.11	0.00	0.00	0.00	0.00	0.00	
CAPITATA 102FO		0.44	0.56	0.67	0.00	0.00	0.00	0.00	0.00	0.00	
INCANUM 13032		0.44	0.56	1.00	0.11	0.00	0.00	0.00	0.00	0.00	

ESTABLECIMIENTO	EVALUACION DE ENFERMEDADES										REP. DOMINICANA				
	ECOTIPO	NEGRA	MARON	NARAN.	CREMA	MACRCP.	NARAP.	NEGRA	TALLO	MARRON		CHANC.	MARCN.	CLORO.	I.PEG.
GAYANUS 621		0.1	0.8	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRIZANTH 654		0.0	0.3	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HUMIDICO 679		0.0	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PLICATUL 600A		0.1	0.5	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DICTYONE 6133		0.0	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GAYANUS 6200		0.0	0.5	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAPITATA 1019		0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEUCARP 1037		0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GUIANENS 1250		0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAPITATA 1441		0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MACROCEP 1532		0.0	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MACROCEP 1643		0.0	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAPITATA 2044		0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MACROCEP 2133		0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVALIFOL 3794		0.0	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MACROCAR 5062		0.0	0.6	0.2	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	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRASILIA 5234		0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SP. 5279		0.2	0.5	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRASILIE 7465		0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLABRA 7847		0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PUERARIA 9900		0.0	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAPITATA 102FO		0.0	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCANUM 13032		0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ECOTIPO	3 SEMANAS		6 SEMANAS		9 SEMANAS		12 SEMANAS	
	MS,KG/HA	DUNCAN	MS,KG/HA	DUNCAN	MS,KG/HA	DUNCAN	MS,KG/HA	DUNCAN
GAYANUS	621	1213	1941	1453	4356	3236	6166	1287
ANDROPOGON	664	1579	1007	1453	3105	2360	4323	1287
BRACHIARIA	679	1709	697	1453	1980	2360	3476	1287
HUMIDICU	600A	576	976	1453	3160	2360	2355	1287
PASPALUM	6133	1765	1381	1453	3453	2360	3858	1287
BRACHIARIA	6200	1948	2829	1453	6899	2360	7908	1287
GAYANUS	6200	1948	2829	1453	6899	2360	7908	1287
LEGNIMINOSAS :	MEDIA=628	D.E.=273	MEDIA=586	D.E.=229	MEDIA=893	D.E.=251	MEDIA=984	D.E.=284
STYLOSANTHES	CAPITATA	1019	730	938	600	ED	640	B
STYLOSANTHES	LEUCOCARP	1097	546	685	BAC	ED	955	B
STYLOSANTHES	GUIANENS	1280	623	969	EBDAC	CERD	1719	B
STYLOSANTHES	CAPITATA	1441	600	280	BA	A	1002	A
STYLOSANTHES	MACROCEP	1582	706	651	E	E	1037	B
STYLOSANTHES	MACROCEP	1643	706	618	EBDAC	ED	930	B
STYLOSANTHES	CAPITATA	2044	390	345	EBDAC	ED	930	B
STYLOSANTHES	MACROCEP	2133	660	1059	A	B	1175	BA
DESMODIUM	OVALIFOL	3794	610	560	EBDC	CEBD	1040	B
CENTROSEMA	MACROCAR	5062	536	313	ED	CEBD	680	B
CENTROSEMA	MACROCAR	5065	473	336	ED	CEBD	773	B
CENTROSEMA	BRASILIA	5234	533	380	ED	CEBD	630	B
CENTROSEMA	SP.	5278	430	405	ED	CEBD	875	B
ZORNIA	BRASILIE	7485	530	616	EBDAC	CEBD	945	B
ZORNIA	GLABA	7947	1469	782	ED	CEBD	1056	B
PUERARIA	PHASEOLO	9900	583	503	ED	CEBD	1133	BA
STYLOSANTHES	CAPITATA	10280	665	656	ED	CEBD	1231	BA
DESMODIUM	INCANUM	13032	530	466	EDC	CEBD	820	B

ECOTIPO	3 SEMANAS		6 SEMANAS		9 SEMANAS		12 SEMANAS	
	MS,KG/HA	DUNCAN	MS,KG/HA	DUNCAN	MS,KG/HA	DUNCAN	MS,KG/HA	DUNCAN
GAYANUS	621	3039	3748	3043	4458	1063	6140	8961
ANDROPOGON	664	1432	1177	3043	3042	B	1566	A
BRACHIARIA	679	3345	2165	3043	4466	B	5165	A
HUMIDICU	600A	1242	3073	3043	3423	B	14371	A
PASPALUM	6133	2372	2423	3043	3652	B	3235	A
BRACHIARIA	6200	3225	5614	3043	7934	A	5875	A
GAYANUS	6200	3225	5614	3043	7934	A	5875	A
LEGNIMINOSAS :	MEDIA=1912	D.E.=614	MEDIA=1905	D.E.=732	MEDIA=1589	D.E.=941	MEDIA=1769	D.E.=613
STYLOSANTHES	CAPITATA	1019	1225	1902	EBDAC	BC	1527	CC
STYLOSANTHES	LEUCOCARP	1097	2054	1681	EBDC	BC	2020	BCD
STYLOSANTHES	GUIANENS	1280	2925	3118	A	A	3575	A
STYLOSANTHES	CAPITATA	1441	1222	1527	FBDG	C	1533	CC
STYLOSANTHES	MACROCEP	1582	981	2945	RA	BAC	3473	A
STYLOSANTHES	MACROCEP	1643	2567	1883	ED	BC	2290	RC
STYLOSANTHES	CAPITATA	2044	1428	1313	ED	C	1643	BCD
STYLOSANTHES	MACROCEP	2133	1259	2002	FBDAC	BAC	2162	BCD
DESMODIUM	OVALIFOL	3784	2204	1729	FBDAC	C	1298	CD
CENTROSEMA	MACROCAR	5062	1887	1447	EDC	BC	1101	CC
CENTROSEMA	MACROCAR	5063	1645	1570	EBDC	C	1061	D
CENTROSEMA	BRASILIA	5234	1592	2804	BAC	C	1027	D
CENTROSEMA	SP.	5278	957	720	E	C	970	D
ZORNIA	BRASILIE	7485	2449	3095	BAC	SA	2721	BA
ZORNIA	GLABA	7847	2852	2397	BDAC	C	1424	CD
PUERARIA	PHASEOLO	9900	1344	1344	ED	BC	1546	CC
STYLOSANTHES	CAPITATA	10280	2783	1760	EBDAC	BC	1170	CC
DESMODIUM	INCANUM	13032	1209	1277	ED	C	1204	CD

ECOTIPO	3 SEMANAS		6 SEMANAS		9 SEMANAS		12 SEMANAS	
	COBERTU.	DUNCAN	COBERTU.	DUNCAN	COBERTU.	DUNCAN	COBERTU.	DUNCAN
GRAMINEAS :	MEDIA=72	D.E.=7	MEDIA=64	D.E.=9	MEDIA=88	D.E.=4	MEDIA=62	D.E.=7
ANDROPOGON	621	C	87	BA	35	B	81	A
BRACHARIA	664	PA	89	BA	95	A	88	A
HUMIDICO	679	A	94	A	97	A	90	A
PLICATUL	600A	C	68	C	72	C	60	B
BRACHARIA	6133	B	94	A	97	A	89	A
ANDROPOGON	6200	C	75	BC	85	B	85	A
LEGUMINOSAS :	MEDIA=55	D.E.=23	MEDIA=58	D.E.=14	MEDIA=61	D.E.=16	MEDIA=62	D.E.=17
STYLOSANTHES	1019	A	47	EGDFC	40	DC	45	BCC
LEUCARP	1087	A	70	BDAC	58	BDAC	60	BDAC
GUIANENS	1280	A	62	EBDAC	82	A	80	BAC
CAPITATA	1441	A	30	GF	35	OC	45	BCC
MACROCEP	1582	A	56	EBDFC	58	BDAC	56	BDAC
MACROCEP	1643	A	35	EGF	52	PDAC	55	BDAC
CAPITATA	2044	A	30	GF	41	BCC	42	DC
MACROCEP	2133	A	75	BDAC	58	BDAC	77	BDAC
OVALIFOL	3784	A	87	A	87	A	75	BDAC
MACROCAR	5062	A	76	BAC	81	A	65	BDAC
MACROCAR	5065	A	83	BA	76	BA	83	BA
BRASILIA	5234	A	68	BDAC	66	BAC	70	BDAC
SP.	5278	A	45	EGF	70	BAC	55	BDAC
BRASILIE	7485	A	35	EGF	26	D	40	D
GLABRA	7847	A	56	EBDFC	71	BAC	60	BDAC
PUERARIA	9900	A	88	A	90	A	86	A
CAPITATA	10280	A	25	G	29	D	60	BDAC
INCANUM	13032	A	50	EGDFC	43	BDAC	40	D

ECOTIPO	3 SEMANAS		6 SEMANAS		9 SEMANAS		12 SEMANAS	
	COBERTU.	DUNCAN	COBERTU.	DUNCAN	COBERTU.	DUNCAN	COBERTU.	DUNCAN
GRAMINEAS :	MEDIA=85	D.E.=4	MEDIA=84	D.E.=9	MEDIA=86	D.E.=3	MEDIA=80	D.E.=7
ANDROPOGON	621	A	88	A	96	A	88	A
BRACHARIA	664	B	75	A	85	B	81	A
HUMIDICO	679	BA	86	A	80	B	76	BA
PLICATUL	600A	A	85	A	81	B	65	B
BRACHARIA	6133	A	80	A	83	B	81	A
ANDROPOGON	6200	BA	90	A	95	A	85	A
LEGUMINOSAS :	MEDIA=85	D.E.=8	MEDIA=83	D.E.=10	MEDIA=87	D.E.=9	MEDIA=78	D.E.=9
STYLOSANTHES	1019	DC	73	BCC	85	BAC	56	GM
LEUCARP	1087	BA	93	BA	88	BA	88	BDAC
GUIANENS	1280	BA	97	A	100	A	96	A
CAPITATA	1441	BAC	88	BAC	91	BA	93	BAC
MACROCEP	1582	BDAC	93	BA	88	BA	86	BDAC
MACROCEP	1643	BCC	85	BAC	76	BCC	70	EGDFH
CAPITATA	2044	BAC	90	BA	84	BA	81	EPDAC
MACROCEP	2133	PDC	90	BDAC	85	RDAC	75	EGDFC
OVALIFOL	3784	A	96	A	99	A	96	A
MACROCAR	5062	BAC	80	BDAC	89	BA	76	EBDFC
MACROCAR	5065	BAC	85	BAC	93	BA	85	BDAC
BRASILIA	5234	BA	91	BA	90	BA	95	BA
SP.	5278	D	60	D	82	BDAC	60	GFH
BRASILIE	7485	DC	80	BDAC	68	D	70	FGDFH
GLABRA	7847	BDAC	76	BDAC	70	DC	65	FGFH
PUERARIA	9900	BA	85	BAC	96	A	93	BAC
CAPITATA	10280	BAC	81	BAC	86	BDAC	80	EBDAC
INCANUM	13032	BCC	68	DC	82	BAC	51	H

MINIMA PRECIPITACION REGRESIONES DE PRODUCCION MEDIA DE MATERIA SECA VS. EDAD LOCALIDAD: PEDRO BRAND REP. DOMINICANA

ECUTIPO	R	L I N E A L		NIVEL DE SIGNIFI.	R	C U A D R A T I C O		NIVEL DE SIGNIFI.
		CONSTA. LINEAL	LINEAL			CONSTA. LINEAL	LINEAL	
GRAMINEAS :								
ANDROPOGON	0.96	473.7	0.001	0.001	0.95	240.2	0.030	0.030
BRACHARIA	0.69	335.9	0.001	0.001	0.90	224.6	0.140	0.450
BRACHARIA	0.86	247.2	0.001	0.001	0.97	185.5	0.170	0.630
PASPALUJ	0.89	238.4	0.001	0.001	0.90	278.8	0.030	0.700
BRACHARIA	0.90	336.9	0.001	0.001	0.90	349.0	0.020	0.720
ANDROPOGON	0.83	666.0	0.001	0.001	0.83	553.2	0.200	0.780
LEGUMINOSAS :								
CAPITATA	0.71	91.2	0.020	0.020	0.95	262.6	0.031	0.010
LEUCARP	0.92	99.2	0.001	0.001	0.97	185.6	0.001	0.010
GUAIENS	0.89	163.6	0.001	0.001	0.90	229.3	0.010	0.370
CAPITATA	0.93	175.7	0.001	0.001	0.83	85.4	0.090	0.230
MACROCEP	0.90	106.6	0.001	0.001	0.95	201.3	0.001	0.020
MACROCEP	0.85	93.4	0.001	0.001	0.91	187.1	0.001	0.040
CAPITATA	0.89	74.3	0.001	0.001	0.88	91.1	0.090	0.870
MACROCEP	0.69	129.0	0.001	0.001	0.95	255.2	0.021	0.010
OVALIFOL	0.92	90.7	0.001	0.001	0.94	139.1	0.031	0.140
MACROCAR	0.65	64.9	0.001	0.001	0.89	114.8	0.010	0.140
MACROCAR	0.71	68.6	0.001	0.001	0.92	100.0	0.001	0.240
BRASILIA	0.73	65.3	0.001	0.001	0.89	133.2	0.001	0.050
SP.	0.94	77.3	0.001	0.001	0.95	109.5	0.001	0.240
BRASILIE	0.95	86.3	0.001	0.001	0.93	145.4	0.001	0.040
GLABRA	0.51	126.9	0.001	0.001	0.75	337.0	0.010	0.070
PUERARIA	0.93	99.3	0.001	0.001	0.93	132.5	0.001	0.340
CAPITATA	0.92	105.5	0.001	0.001	0.93	161.6	0.001	0.190
INCANUM	0.88	75.5	0.001	0.001	0.91	128.1	0.001	0.120

MAXIMA PRECIPITACION REGRESIONES DE PRODUCCION MEDIA DE MATERIA SECA VS. EDAD LOCALIDAD: PEDRO BRAND REP. DOMINICANA

ECUTIPO	R	L I N E A L		NIVEL DE SIGNIFI.	R	C U A D R A T I C O		NIVEL DE SIGNIFI.
		CONSTA. LINEAL	LINEAL			CONSTA. LINEAL	LINEAL	
GRAMINEAS :								
ANDROPOGON	0.91	538.5	0.001	0.001	0.91	616.7	0.001	0.170
BRACHARIA	0.73	217.5	0.001	0.001	0.80	490.6	0.010	0.090
BRACHARIA	0.90	463.7	0.001	0.001	0.92	693.4	0.001	0.230
PASPALUJ	0.35	835.6	0.030	0.030	0.40	-436.9	0.770	0.380
BRACHARIA	0.88	345.6	0.001	0.001	0.92	730.0	0.001	0.010
ANDROPOGON	0.86	687.9	0.001	0.001	0.93	1484.6	0.001	0.010
LEGUMINOSAS :								
CAPITATA	0.68	179.4	0.001	0.001	0.80	482.5	0.001	0.030
LEUCARP	0.73	205.5	0.001	0.001	0.83	504.1	0.001	0.040
GUAIENS	0.84	385.5	0.001	0.001	0.92	857.2	0.001	0.010
CAPITATA	0.80	156.2	0.001	0.001	0.90	373.5	0.001	0.010
MACROCEP	0.85	294.7	0.001	0.001	0.86	445.2	0.020	0.350
MACROCEP	0.73	231.2	0.001	0.001	0.84	590.9	0.001	0.030
CAPITATA	0.81	155.5	0.001	0.001	0.91	347.5	0.001	0.010
MACROCEP	0.85	225.0	0.001	0.001	0.91	474.8	0.001	0.020
OVALIFOL	0.88	159.6	0.001	0.001	0.80	560.6	0.001	0.010
MACROCAR	0.59	148.9	0.001	0.001	0.91	510.5	0.001	0.010
MACROCAR	0.57	132.2	0.001	0.001	0.81	473.0	0.001	0.010
BRASILIA	0.52	162.6	0.010	0.010	0.88	683.1	0.001	0.001
SP.	0.61	89.5	0.001	0.001	0.89	208.9	0.030	0.180
BRASILIE	0.71	312.6	0.001	0.001	0.82	791.0	0.001	0.040
GLABRA	0.45	187.1	0.010	0.010	0.71	746.9	0.001	0.010
PUERARIA	0.93	155.4	0.001	0.001	0.91	348.2	0.001	0.010
CAPITATA	0.62	181.3	0.010	0.010	0.69	713.4	0.001	0.001
INCANUM	0.76	132.4	0.001	0.001	0.89	354.4	0.001	0.010

MINIMA PRECIPITACION EVALUACION DE ENFERMEDADES LOCALIDAD: PEDRO BRAND REP. DOMINICANA

E.C.U.T.I.P.O	HOJA				TALLO				OTROS				
	NEGRA	MARRON	NARAN.	CREMA	MARRP.	NARAP.	NEGRA	MARRON	CHANC.	MARCN.	CLODR.	I.PFG.	I.G.PPG
GRAMINEAS :													
GAYANUS 621	0.0	0.9	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
BRIANTH 664	0.0	0.5	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HUMIDIC 679	0.0	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PLICATUL 600A	0.0	1.2	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
DICTYONE 6133	0.0	0.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GAYANUS 6200	0.0	0.9	0.7	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
LEGUMINOSAS :													
CAPITATA 1019	0.0	1.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
LEUCARP 1067	0.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GUJANENS 1260	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
CAPITATA 1441	0.2	0.9	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.0	0.0
MACROCEP 1582	0.0	0.7	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
MACROCEP 1643	0.0	0.9	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAPITATA 2044	0.1	0.7	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0
MACROCEP 2133	0.0	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
VALIFOL 3764	0.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
MACROCAR 5052	0.1	0.9	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
MACROCEP 5065	0.0	0.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
CENTROSEMA 5234	0.0	0.9	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
CENTROSEMA SP.	0.2	1.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRASILIE 7455	0.0	1.0	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0
GLABRA 7847	0.0	1.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0
PUERRIA 9900	0.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
CAPITATA 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
INCANUM 13032	0.0	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 EVALUACION DE ENFERMEDADES LOCALIDAD: PEDRO BRAND REP. DOMINICANA

E.C.U.T.I.P.O	HOJA				TALLO				OTROS				
	NEGRA	MARRON	NARAN.	CREMA	MARRP.	NARAP.	NEGRA	MARRON	CHANC.	MARCN.	CLODR.	I.PFG.	I.G.PPG
GRAMINEAS :													
GAYANUS 621	0.4	1.4	1.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRIANTH 664	0.5	0.6	0.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HUMIDIC 679	0.5	0.0	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PLICATUL 600A	0.5	2.0	1.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DICTYONE 6133	0.0	1.5	0.6	0.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
GAYANUS 6200	0.1	1.6	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEGUMINOSAS :													
CAPITATA 1019	0.4	0.5	0.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
LEUCARP 1067	0.5	0.7	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GUJANENS 1260	0.4	0.7	0.9	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAPITATA 1441	0.8	0.5	0.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
MACROCEP 1582	0.6	0.6	0.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
MACROCEP 1643	0.7	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
CAPITATA 2044	0.5	0.9	0.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MACROCEP 2133	0.4	0.6	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VALIFOL 3764	0.3	0.3	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
MACROCAR 5052	0.7	1.7	0.6	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
MACROCAR 5065	0.4	1.0	0.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
CENTROSEMA 5234	0.3	0.5	0.5	1.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
CENTROSEMA SP.	0.9	1.2	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
BRASILIE 7455	0.2	0.4	0.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
GLABRA 7847	0.1	0.8	0.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
PUERRIA 9900	0.7	1.2	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
CAPITATA 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
INCANUM 13032	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

ECOTIPO	3 SEMANAS		6 SEMANAS		10 SEMANAS		13 SEMANAS	
	MS, KG/HA	DUNCAN	MS, KG/HA	DUNCAN	MS, KG/HA	DUNCAN	MS, KG/HA	DUNCAN
GRAMINEAS :								
ANDROPOGON	621	BA	964	BC	2097	9	2361	A
BRACHIARIA	664	BAC	2012	A	1763	CS	1733	BA
HUMIDICU	679	BC	1011	BC	958	C	1777	BA
PASPALUM	600A	RC	562	C	1201	CB	1027	B
BRACHIARIA	613	C	1042	BC	944	C	1185	BA
ANDROPOGON	6200	A	1739	BA	3997	A	2455	A
LEGUMINOSAS :								
CAPITATA	1019	D.E.=399	MEDIA=1387	D.E.=633	MEDIA=1560	D.E.=483	MEDIA=1375	D.E.=399
STYLOSANTHES	1648	CFED	1350	CB	1003	DC	891	ED
LILOCARP	1047	CE	1509	CB	2733	B	1746	CB
GUIANENS	1280	A	3547	A	4498	A	3256	A
STYLOSANTHES	1441	GFED	1670	C9	1030	DC	1024	CE
STYLOSANTHES	1582	GFED	1659	CB	1633	C	1269	CE
STYLOSANTHES	1643	GFEDH	1543	CB	1165	DC	1065	CE
CAPITATA	2044	CB	2337	B	1337	DC	1243	CE
MACROCEP	2133	GFED	1987	CB	3045	F	1557	CB
MACROCEP	2133	GFED	1691	CB	1710	C	1222	CE
OVALIFOL	3784	B	811	CD	940	DC	1303	CE
CENTROSEMA	5042	GH	1390	CB	1289	DC	2239	R
MACROCAR	5065	GFEDH	825	CD	1039	DC	1082	CE
CENTROSEMA	5234	GFEDH	810	CD	550	D	997	CE
BRASILIA	5278	H	1253	CB	967	DC	899	ED
ZORNIA	7485	GFEM	1492	CB	1552	DC	1624	CB
GLABRA	7647	GFEM	1246	CB	1203	DC	1374	CE
PUERARIA	9900	GFH	2075	CB	1100	DC	1225	CE
STYLOSANTHES	10280	CB	476	D	310	D	610	E
CAPITATA	10280	GH						
INCANUM	13032							

ECOTIPO	3 SEMANAS		6 SEMANAS		9 SEMANAS		12 SEMANAS	
	MS, KG/HA	DUNCAN	MS, KG/HA	DUNCAN	MS, KG/HA	DUNCAN	MS, KG/HA	DUNCAN
GRAMINEAS :								
ANDROPOGON	621	A	2895	BA	3546	B		
BRACHIARIA	664	BC	2017	BC	2144	CE		
HUMIDICU	679	RC	1473	C	1455	CB		
PASPALUM	600A	RC	1851	BC	2412	CB		
BRACHIARIA	613	RC	1528	BC	1209	C		
ANDROPOGON	6200	BA	3496	A	7024	A		
LEGUMINOSAS :								
CAPITATA	1019	D.E.=355	MEDIA=1279	D.E.=535	MEDIA=2128	D.E.=783		
STYLOSANTHES	1403	FCEBD	1537	BECD	2237	EDAC		
LILOCARP	1047	FCEBD	1725	BCD	1415	EDC		
GUIANENS	1240	A	2874	A	3264	A		
STYLOSANTHES	1441	FCEBD	1622	BECD	2588	BAC		
STYLOSANTHES	1502	CB	1876	9C	2483	BAC		
STYLOSANTHES	1643	FED	1455	BECD	2699	BAC		
STYLOSANTHES	2044	FCEBD	1495	BECD	1654	FBCD		
CAPITATA	2044	B	2152	BA	2264	BAC		
MACROCEP	2133	F	989	BECD	1975	EDAC		
MACROCAR	5062	FE	1288	BECD	2376	EDAC		
OVALIFOL	3784	FE	1177	BECD	912	ED		
CENTROSEMA	5065	FE	1335	BECD	801	E		
CENTROSEMA	5234	FE	1184	BECD	2748	BAC		
BRASILIA	5234	F	1339	BECD	1432	EDC		
SP.	5278	F	1184	BECD	2502	BAC		
ZORNIA	7485	F	1559	BECD	823	E		
GLABRA	7647	F	1188	BECD				
PUERARIA	9900	F	2106	ED				
STYLOSANTHES	10280	F	631	BA				
CAPITATA	10280	CB						
INCANUM	13032	F						

ECOTIPO	3 SEMANAS		6 SEMANAS		10 SEMANAS		13 SEMANAS	
	COBERTU.	DUNCAN	COBERTU.	DUNCAN	COBERTU.	DUNCAN	COBERTU.	DUNCAN
GRAMINEAS :	MEDIA=62	D.E.=7	MEDIA=76	D.E.=8	MEDIA=88	D.E.=6	MEDIA=84	D.E.=6
ANDROPOGON	50	8	30	A	88	A	90	A
BRACHIARIA	621	B	88	A	93	A	90	A
HUMIDICU	664	A	88	A	95	A	93	A
PLICATUL	679	A	50	B	73	B	66	B
DICTYOTE	600	B	60	A	91	A	83	A
GAYANUS	6133	A	73	A	91	A	95	A
ANDROPOGON	6200	B						
LEGUMINOSAS :	MEDIA=76	D.E.=9	MEDIA=76	D.E.=7	MEDIA=85	D.E.=7	MEDIA=81	D.E.=7
STYLOSANTHES	1019	8AC	86	BAC	83	9A	89	A
LEUCARP	1087	BA	96	1	96	A	93	A
STYLOSANTHES	1280	BAC	91	BA	95	A	95	A
GUAIENS	1441	A	91	BA	92	BA	90	A
MACROCEP	1532	DE	76	DC	85	BA	81	A
MACROCEP	1543	SOC	78	SOC	81	BAC	65	BC
STYLOSANTHES	2044	BAC	90	BAC	86	BAC	80	BA
MACROCEP	2133	DC	88	BAC	91	BA	85	A
OVALLIFOL	3784	A	91	A	96	A	92	A
MACROCAR	5052	FDE	76	DC	85	9A	90	A
MACROCAR	5065	BDAC	83	BDAC	96	A	92	A
SRASILIA	5234	G	60	FE	86	BA	80	RA
SP.	5276	FEG	52	F	45	E	60	DC
BRASILIE	7455	FG	36	G	68	DC	51	DE
GLABRA	7847	BDAC	71	DE	78	RC	81	A
PUERARIA	9900	DC	86	BAC	91	BA	95	A
STYLOSANTHES	10280	BA	83	BDAC	85	BA	86	A
INCANUM	13032	FEG	30	G	56	ED	43	E

ECOTIPO	3 SEMANAS		6 SEMANAS		9 SEMANAS		12 SEMANAS	
	COBERTU.	DUNCAN	COBERTU.	DUNCAN	COBERTU.	DUNCAN	COBERTU.	DUNCAN
GRAMINEAS :	MEDIA=68	D.E.=7	MEDIA=75	D.E.=9	MEDIA=84	D.E.=4	MEDIA=84	D.E.=6
ANDROPOGON	65	BC	73	A	88	A	88	A
BRACHIARIA	621	A	75	A	85	A	85	A
HUMIDICU	664	BA	76	A	84	A	84	A
PLICATUL	679	C	75	A	81	BA	81	BA
DICTYOTE	6133	BC	73	A	76	P	76	P
GAYANUS	6200	BC	81	A	84	A	84	A
LEGUMINOSAS :	MEDIA=73	D.E.=8	MEDIA=73	D.E.=12	MEDIA=84	D.E.=6	MEDIA=84	D.E.=6
STYLOSANTHES	1019	EDGCF	66	EDF	86	A	86	A
LEUCARP	1087	BDACF	70	BDAC	90	A	90	A
STYLOSANTHES	1280	BDAC	93	BAC	90	A	90	A
GUAIENS	1441	BA	66	BDAC	91	A	91	A
MACROCEP	1522	FHGF	86	EDF	88	A	88	A
MACROCEP	1543	HGI	55	EGF	85	A	85	A
STYLOSANTHES	2044	FBDACF	79	EBDAC	88	A	88	A
MACROCEP	2133	FHGF	75	EBDACF	91	A	91	A
OVALLIFOL	3784	A	97	RA	90	A	90	A
MACROCAR	5062	GHGCF	73	EDGCF	86	A	86	A
MACROCAR	5065	EDGCF	85	BDAC	89	A	89	A
SRASILIA	5234	BAC	97	A	90	A	90	A
SP.	5278	I	43	G	60	B	60	B
BRASILIE	7455	I	52	GF	79	A	79	A
GLABRA	7847	HGF	58	EGF	83	A	83	A
PUERARIA	9900	BDACF	97	BAC	91	A	91	A
STYLOSANTHES	10280	BDAC	83	FDCF	86	A	86	A
INCANUM	13032	HI	43	G	61	B	61	B

MINIMA PRECIPITACION REGRESIONES DE PRODUCCION MEDIA DE MATERIA SECA VS. EDAD LOCALIDAD: PEDRO BRAND REP. DOMINICANA

ECOTIPO	R CUADRADO	LINEAL		NIVEL DE SIGNIFI.	R CUADRADO	C U A D R A T I C O		NIVEL DE SIGNIFI.	NIVEL DE SIGNIFI.
		CONSTA.	LINEAL			LINEAL	CONSTA.		
GRAMINEAS :									
ANDROPOGON	0.94	192.0	0.001	0.001	0.95	233.4	0.001	-3.79	0.500
BRACHIARIA	0.84	174.9	0.001	0.001	0.95	427.9	0.001	-23.03	0.031
HUMIDICO	0.85	127.9	0.001	0.001	0.85	142.6	0.080	-1.34	0.840
PASCALUM	0.81	96.7	0.001	0.001	0.83	163.8	0.020	-6.12	0.270
BRACHIARIA	0.86	103.0	0.001	0.001	0.92	192.0	0.001	-6.12	0.050
ANDROPOGON	0.81	273.3	0.001	0.001	0.85	527.6	0.010	-23.23	0.120
LEGUMINOSAS :									
CAPITATA	0.56	110.0	0.001	0.001	0.84	429.4	0.001	-29.15	0.001
STYLOSANTHES	0.79	204.4	0.001	0.001	0.91	521.3	0.001	-28.52	0.010
LEIOCARP	0.72	414.2	0.001	0.001	0.96	1388.5	0.001	-86.93	0.001
GUIANENS	0.64	120.1	0.071	0.001	0.91	435.4	0.001	-28.78	0.031
CAPITATA	0.76	149.2	0.001	0.001	0.97	446.5	0.001	-27.22	0.001
MACROCARP	0.73	121.6	0.001	0.001	0.94	393.7	0.001	-24.84	0.001
STYLOSANTHES	0.56	156.8	0.001	0.001	0.85	615.5	0.001	-41.87	0.001
CAPITATA	0.73	212.0	0.001	0.001	0.87	592.4	0.001	-34.72	0.010
MACROCARP	0.52	161.0	0.001	0.001	0.85	614.0	0.001	-41.35	0.001
DESODIUM	0.95	105.2	0.001	0.001	0.97	168.6	0.001	-5.78	0.030
MACROCARP	0.45	170.3	0.001	0.001	0.56	262.9	0.020	-8.46	0.320
MACROCARP	0.90	94.7	0.001	0.001	0.94	207.1	0.001	-8.75	0.010
BRASILIA	0.72	89.9	0.010	0.010	0.86	240.1	0.020	-13.48	0.080
SP.	0.74	96.0	0.001	0.001	0.84	254.4	0.001	-14.46	0.020
BRASILIA	0.90	153.8	0.001	0.001	0.98	335.4	0.001	-16.58	0.001
PHASEOLO	0.84	127.4	0.001	0.001	0.91	282.6	0.001	-14.17	0.010
STYLOSANTHES	0.57	142.4	0.001	0.001	0.84	541.4	0.001	-36.42	0.001
CAPITATA	0.80	60.0	0.001	0.001	0.92	153.9	0.001	-8.57	0.071
INCANUM	0.80	60.0	0.001	0.001	0.92	153.9	0.001	-8.57	0.071

MAXIMA PRECIPITACION REGRESIONES DE PRODUCCION MEDIA DE MATERIA SECA VS. EDAD LOCALIDAD: PEDRO BRAND REP. DOMINICANA

ECOTIPO	R CUADRADO	LINEAL		NIVEL DE SIGNIFI.	R CUADRADO	C U A D R A T I C O		NIVEL DE SIGNIFI.	NIVEL DE SIGNIFI.
		CONSTA.	LINEAL			LINEAL	CONSTA.		
GRAMINEAS :									
ANDROPOGON	0.90	436.2	0.001	0.001	0.91	613.0	0.030	-22.92	0.440
BRACHIARIA	0.93	271.9	0.001	0.001	0.95	436.7	0.001	-21.36	0.140
HUMIDICO	0.89	191.7	0.001	0.001	0.92	335.3	0.010	-18.74	0.150
PASCALUM	0.95	282.4	0.001	0.001	0.95	351.9	0.010	-9.02	0.520
BRACHIARIA	0.86	184.0	0.001	0.001	0.95	440.9	0.001	-33.30	0.001
ANDROPOGON	0.91	697.2	0.001	0.001	0.94	203.9	0.510	63.96	0.120
LEGUMINOSAS :									
CAPITATA	0.88	266.4	0.001	0.001	0.90	437.6	0.020	-22.19	0.270
STYLOSANTHES	0.69	216.3	0.001	0.001	0.81	583.9	0.020	-47.65	0.080
LEIOCARP	0.67	434.3	0.001	0.001	0.95	960.2	0.001	-68.17	0.020
GUIANENS	0.95	293.5	0.001	0.001	0.95	367.6	0.010	-12.21	0.390
CAPITATA	0.89	309.3	0.001	0.001	0.94	567.1	0.001	-36.01	0.070
MACROCARP	0.82	311.5	0.001	0.001	0.88	285.3	0.170	3.40	0.690
STYLOSANTHES	0.89	222.3	0.001	0.001	0.97	499.5	0.001	-35.81	0.001
CAPITATA	0.92	356.0	0.001	0.001	0.96	652.3	0.001	-38.41	0.040
MACROCARP	0.92	257.8	0.001	0.001	0.94	392.2	0.010	-17.43	0.250
OVALIFOL	0.92	208.1	0.001	0.001	0.92	190.1	0.090	2.34	0.950
MACROCARP	0.88	249.0	0.001	0.001	0.84	208.5	0.200	5.11	0.790
MACROCARP	0.74	151.0	0.001	0.001	0.90	438.3	0.001	-37.24	0.010
BRASILIA	0.74	131.3	0.001	0.001	0.88	366.5	0.001	-30.48	0.020
SP.	0.82	298.7	0.001	0.001	0.84	112.5	0.610	24.13	0.400
BRASILIA	0.95	302.9	0.001	0.001	0.95	341.0	0.030	-4.82	0.750
GLABRA	0.94	157.9	0.001	0.001	0.95	197.5	0.010	-5.14	0.520
PHASEOLO	0.83	319.7	0.001	0.001	0.87	603.1	0.020	-36.87	0.170
STYLOSANTHES	0.83	106.7	0.001	0.001	0.91	239.5	0.001	-17.22	0.050
INCANUM	0.83	106.7	0.001	0.001	0.91	239.5	0.001	-17.22	0.050

EVALUACION : 2

MINIMA PRECIPITACION		EVALUACION DE INSECTOS				LOCALIDAD: PEDRO BRANO				REP. DOMINICANA	
ESPECIE		TRIPS AC.	PULGUILLA	COMEDOR	HEMIPTERO	SALIVAZO	BARRENAD.	PERFORAD.	OTRO1	OTRO2	
GRAMINEAS :											
ANDROPOGON	621	0.75	1.92	1.50	1.00	0.00	0.17	0.00	0.00	0.00	0.00
BRACHIARIA	664	0.42	1.67	1.50	0.50	0.00	0.17	0.00	0.00	0.00	0.00
BRACHIARIA	579	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PASPALUM	600A	0.67	1.09	1.59	0.67	0.00	0.00	0.00	0.00	0.00	0.00
BRACHIARIA	6133	0.00	1.00	1.50	0.17	0.00	0.00	0.00	0.00	0.00	0.00
ANDROPOGON	6200	0.83	1.83	1.59	0.75	0.00	0.00	0.00	0.00	0.00	0.00
LEGUMINOSAS :											
CAPITATA	1019	0.42	1.75	1.75	0.42	0.00	0.00	0.83	0.00	0.00	0.00
LEUCORP	1057	0.17	1.33	1.42	0.17	0.00	0.00	0.00	0.00	0.00	0.00
GUANERS	1250	0.00	1.67	1.58	0.25	0.00	0.00	0.00	0.17	0.00	0.00
CAPITATA	1441	0.25	2.17	1.67	0.42	0.00	0.17	0.58	0.08	0.00	0.00
MACROCEP	1582	0.00	1.50	1.83	0.25	0.00	0.00	0.00	0.00	0.00	0.00
MACROCEP	1643	0.17	1.50	1.67	0.33	0.00	0.00	0.33	0.00	0.00	0.00
CAPITATA	2044	0.33	1.33	1.75	0.42	0.00	0.25	1.17	0.08	0.00	0.00
MACROCEP	2133	0.42	1.58	1.92	0.33	0.00	0.00	0.33	0.00	0.00	0.00
OVALIFOL	3754	0.00	1.25	2.75	1.50	0.00	0.00	0.00	0.00	0.00	0.00
MACROCAR	5052	1.92	0.92	2.58	1.58	0.00	0.00	0.00	0.00	0.00	0.00
MACROCAR	5055	1.92	1.00	2.67	2.00	0.00	0.00	0.00	0.00	0.00	0.00
BRASILIA	5234	1.23	1.75	1.75	2.00	0.00	0.00	0.00	0.83	0.00	0.00
SP.	5278	1.00	0.50	1.33	1.17	0.00	0.00	0.00	0.00	0.00	0.00
BRASILIE	7495	0.33	1.75	1.67	0.33	0.00	0.00	0.00	0.00	0.00	0.00
GLABRA	7047	0.50	1.72	2.00	1.42	0.00	0.00	0.00	0.42	0.00	0.00
PHASEOLO	9900	1.50	3.00	3.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITATA	10280	0.75	1.67	1.83	0.75	0.00	0.00	1.58	0.17	0.00	0.00
INCANUM	13032	1.59	1.25	2.75	2.00	0.00	0.83	0.00	0.83	0.00	0.00

MAXIMA PRECIPITACION		EVALUACION DE INSECTOS				LOCALIDAD: PEDRO BRANO				REP. DOMINICANA	
ESPECIE		TRIPS AC.	PULGUILLA	COMEDOR	HEMIPTERO	SALIVAZO	BARRENAD.	PERFORAD.	OTRO1	OTRO2	
GRAMINEAS :											
ANDROPOGON	621	0.00	1.11	1.67	1.00	0.00	0.73	0.00	0.00	0.00	0.00
BRACHIARIA	664	0.22	1.00	1.44	1.00	0.00	0.44	0.00	0.00	0.00	0.00
URCHIAPIA	679	0.00	1.00	1.56	1.22	0.00	0.11	0.00	0.00	0.00	0.00
PASPALUM	600A	0.11	1.00	1.44	0.89	0.00	0.22	0.00	0.00	0.00	0.00
BRACHIARIA	6133	0.00	1.00	1.33	1.11	0.00	0.69	0.00	0.00	0.00	0.00
ANDROPOGON	6200	0.56	1.33	1.22	0.78	0.00	0.22	0.00	0.00	0.00	0.00
LEGUMINOSAS :											
CAPITATA	1019	0.22	1.22	1.57	0.56	0.00	0.00	0.84	0.00	0.00	0.00
LEUCORP	1057	0.11	1.00	1.39	0.67	0.00	0.00	0.00	0.00	0.00	0.00
GUANERS	1250	0.44	1.22	1.72	0.78	0.00	0.11	0.00	0.00	0.00	0.00
CAPITATA	1441	0.33	1.00	1.39	1.00	0.00	0.00	0.56	0.00	0.00	0.00
MACROCEP	1582	0.44	1.00	1.67	0.56	0.00	0.00	0.00	0.00	0.00	0.00
MACROCEP	1643	0.33	1.33	1.56	1.11	0.00	0.00	0.57	0.00	0.00	0.00
CAPITATA	2044	0.22	1.11	1.78	1.00	0.00	0.00	0.33	0.00	0.00	0.00
MACROCEP	2133	0.33	1.22	1.67	1.44	0.00	0.00	0.00	0.00	0.00	0.00
OVALIFOL	3754	0.75	1.00	2.56	1.67	0.00	0.00	0.00	0.00	0.00	0.00
MACROCAR	5052	1.56	0.69	2.67	1.89	0.00	0.00	0.00	0.00	0.00	0.00
MACROCAR	5055	1.67	1.11	2.33	2.00	0.00	0.00	0.00	0.00	0.00	0.00
BRASILIA	5234	1.11	1.11	2.56	2.11	0.00	0.11	0.00	0.22	0.00	0.00
SP.	5278	0.59	1.00	2.11	1.22	0.00	0.00	0.00	0.00	0.00	0.00
BRASILIE	7495	0.56	1.00	1.11	0.89	0.00	0.84	0.00	0.00	0.00	0.00
GLABRA	7047	0.44	1.11	1.39	1.67	0.00	0.33	0.00	0.00	0.00	0.00
PHASEOLO	9900	1.44	1.00	2.56	2.00	0.00	0.00	0.00	0.00	0.00	0.00
CAPITATA	10280	0.33	0.89	1.67	0.89	0.00	0.00	0.00	0.00	0.00	0.00
INCANUM	13032	1.22	2.44	2.44	2.11	0.00	0.44	0.00	0.33	0.00	0.00

MINIMA PRECIPITACION EVALUACION DE ENFERMEDADES LOCALIDAD: PEDRO BRAND REP. DOMINICANA

ECOTIPO	HOJA				TALLO				OTROS				
	NEGRA	MARRON	NARAN.	CREMA	MARPP.	NARAP.	NEGRA	MARRON	CHANC.	MARCN.	CLORO.	I.PFG.	I.G.PG
GRAMINEAS :													
ANDROPOGON	0.7	1.4	1.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
BRACHIARIA	0.0	0.8	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HUMIDICU	0.2	1.2	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PASCALUM	0.6	1.9	1.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRACHIARIA	0.5	1.4	0.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANDROPOGON	0.4	2.0	2.0	0.6	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
LEGUMINOSAS :													
STYLOSANTHES	0.5	1.6	0.3	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
LEUCOCARP	0.7	1.1	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
GUIANENS	0.5	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
CAPITATA	1.3	2.0	0.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
MACROCEP	0.8	1.4	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
MACROCEP	0.5	1.3	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
CAPITATA	1.6	1.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0
MACROCEP	0.7	1.5	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
OVALIFOL	0.6	1.3	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
MACROCAR	1.2	2.0	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
MACROCAR	0.9	1.9	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
BRASILIA	0.3	0.8	0.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
SP.	0.5	1.0	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
ZORNIA	0.3	0.7	0.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
BRASILIE	0.5	1.5	0.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.0
GLADRA	1.0	1.8	1.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
PUERARIA	0.9	1.8	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0
CAPITATA	1.6	1.7	1.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
INCANUM	0.0	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 EVALUACION DE ENFERMEDADES LOCALIDAD: PEDRO BRAND REP. DOMINICANA

ECOTIPO	HOJA				TALLO				OTROS				
	NEGRA	MARRON	NARAN.	CREMA	MARPP.	NARAP.	NEGRA	MARRON	CHANC.	MARCN.	CLORO.	I.PFG.	I.G.PG
GRAMINEAS :													
ANDROPOGON	0.5	1.3	1.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRACHIARIA	0.4	1.0	0.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HUMIDICU	0.3	0.7	1.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PASCALUM	0.6	1.7	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRACHIARIA	0.3	1.0	0.6	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ANDROPOGON	0.6	1.1	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEGUMINOSAS :													
STYLOSANTHES	0.4	1.2	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEUCOCARP	0.1	1.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
GUIANENS	0.7	1.3	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAPITATA	0.8	1.3	0.4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
MACROCEP	0.7	1.0	0.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
MACROCEP	0.5	0.7	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
CAPITATA	1.2	1.6	0.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MACROCEP	0.5	0.7	0.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
OVALIFOL	0.8	1.7	1.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MACROCAR	1.4	2.1	1.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MACROCAR	1.2	2.1	1.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRASILIA	0.5	1.3	0.3	1.5	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
SP.	1.3	1.7	0.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BRASILIE	0.2	1.0	0.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GLADRA	0.4	1.1	0.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PUERARIA	1.4	2.1	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
CAPITATA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INCANUM	0.0	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: PEDRO BRANCO REP. DOMINICANA
 PERIODO DE ESTABLECIMIENTO

BE26

SEMANA	TEMPERATURA			PRECIPITACION (MM)	DIAS DE LLUVIA
	MAXIMA (C)	MINIMA (C)	MEDIA (C)		
1	32	20	26	69	5
2	32	21	27	36	3
3	32	21	26	47	5
4	32	21	26	110	5
5	33	22	27	5	2
6	32	21	27	36	2
7	31	21	26	53	6
8	30	20	25	151	6
9	31	24	27	9	2
10	30	25	27	33	2
11	31	25	28	53	4
12	31	25	29	83	3
13	31	25	28	0	0
0-4 SEMANAS :				262	18
0-6 SEMANAS :				507	34
0-12 SEMANAS :				585	45

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CONDICIONES CLIMATICAS DURANTE LOS PERIODOS DE EVALUACION
 LOCALIDAD: PEDRO BRANCO REP. DOMINICANA
 PERIODO DE ESTABLECIMIENTO

BE26

SEMANA	TEMPERATURA			PRECIPITACION (MM)	DIAS DE LLUVIA
	MAXIMA (C)	MINIMA (C)	MEDIA (C)		
1	34	19	25	30	5
2	29	19	24	1	1
3	29	20	24	11	2
4	30	19	24	0	0
5	27	20	24	0	0
6	29	17	23	18	3
7	29	16	23	9	3
8	30	16	23	26	5
9	30	15	23	0	0
10	30	15	23	28	4
11	31	20	26	66	0
12	29	18	24	5	1
13	30	15	22	0	0
0-3 SEMANAS :				42	8
0-6 SEMANAS :				60	11
0-9 SEMANAS :				95	19
0-12 SEMANAS :				194	30

CONDICIONES CLIMATICAS DURANTE LOS PERIODOS DE EVALUACION
 LOCALIDAD: PEDRO BRANCO REP. DOMINICANA
 PERIODO DE ESTABLECIMIENTO

BE26

SEMANA	TEMPERATURA			PRECIPITACION (MM)	DIAS DE LLUVIA
	MAXIMA (C)	MINIMA (C)	MEDIA (C)		
1	30	15	24	1	1
2	30	16	23	0	0
3	30	17	23	34	3
4	28	17	22	0	0
5	27	15	21	10	1
6	28	19	23	0	0
7	28	18	23	1	1
8	29	18	23	10	1
9	29	17	23	15	2
10	30	18	24	0	0
11	29	18	24	0	0
12	28	18	23	8	2
13	27	19	23	64	3
14	27	20	24	0	0
0-3 SEMANAS :				35	4
0-6 SEMANAS :				45	5
0-10 SEMANAS :				71	9
0-13 SEMANAS :				143	14

CONDICIONES CLIMATICAS DURANTE LOS PERIODOS DE EVALUACION
 LOCALIDAD: PEDRO BRANCO REP. DOMINICANA
 PERIODO DE ESTABLECIMIENTO

BE26

SEMANA	TEMPERATURA			PRECIPITACION (MM)	DIAS DE LLUVIA
	MAXIMA (C)	MINIMA (C)	MEDIA (C)		
1	32	20	26	0	0
2	31	20	25	29	3
3	30	21	25	29	2
4	32	21	27	37	2
5	30	21	25	35	2
6	31	20	25	114	5
7	31	20	25	73	3
8	31	21	26	59	5
9	31	20	25	12	3
10	29	18	24	12	1
0-3 SEMANAS :				58	5
0-6 SEMANAS :				244	14
0-9 SEMANAS :				388	25
0-12 SEMANAS :				400	26