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LATIN AMERICAN REGIONAL LEGUME PROGRAM

AND

BRAZILIAN COWPEA PROGRAM

IITA/EMBRAPA/IICA

APPENDIX

VOLUME 2 OF 3

IICA  
F30  
I591  
v.2



Centro Interamericano de  
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APPENDIX

VOLUME 2 OF 3

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~~BV 00 2012 v. 3 83~~

~~BV 00 2013 v. 1 83~~

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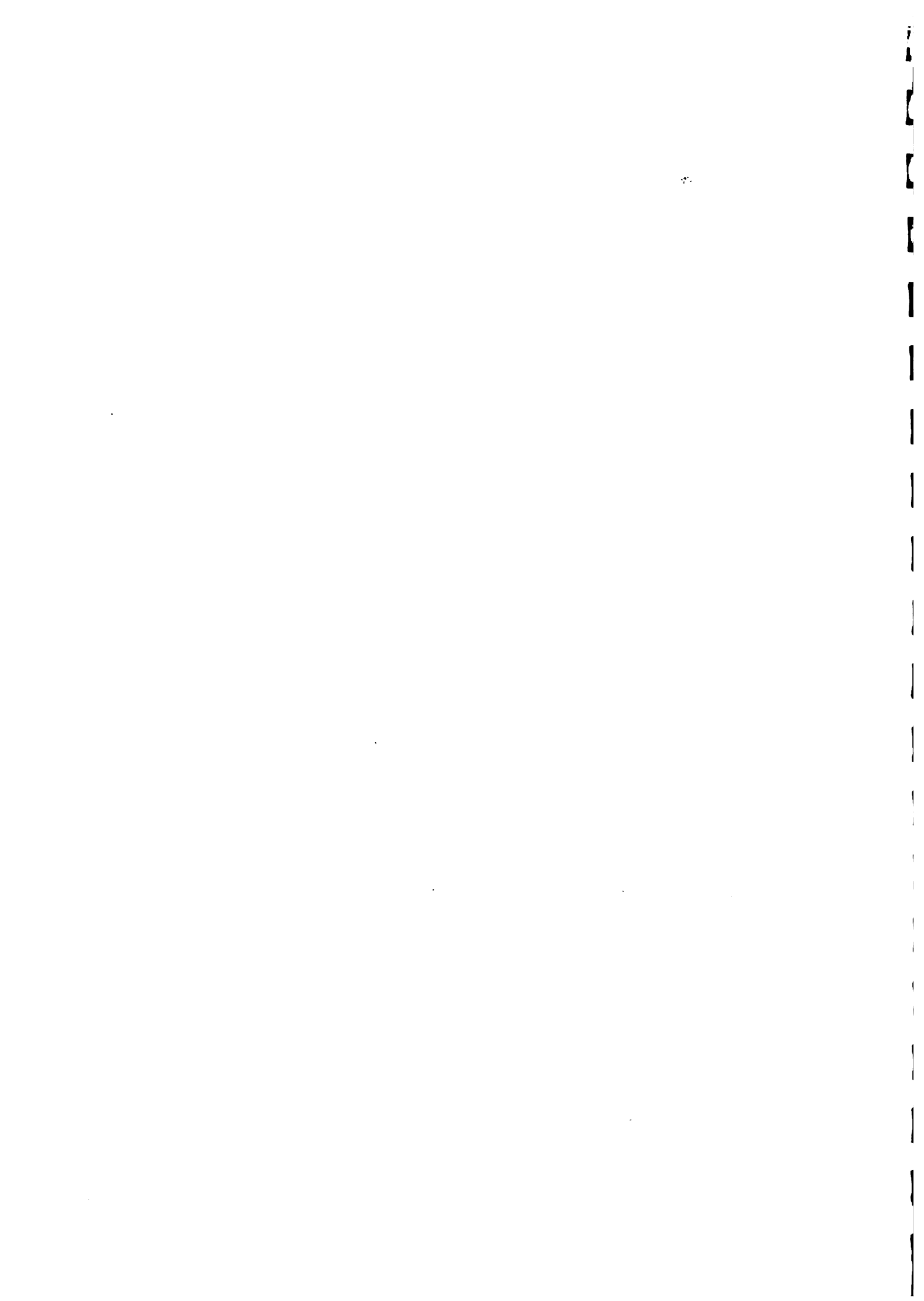
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v. 2

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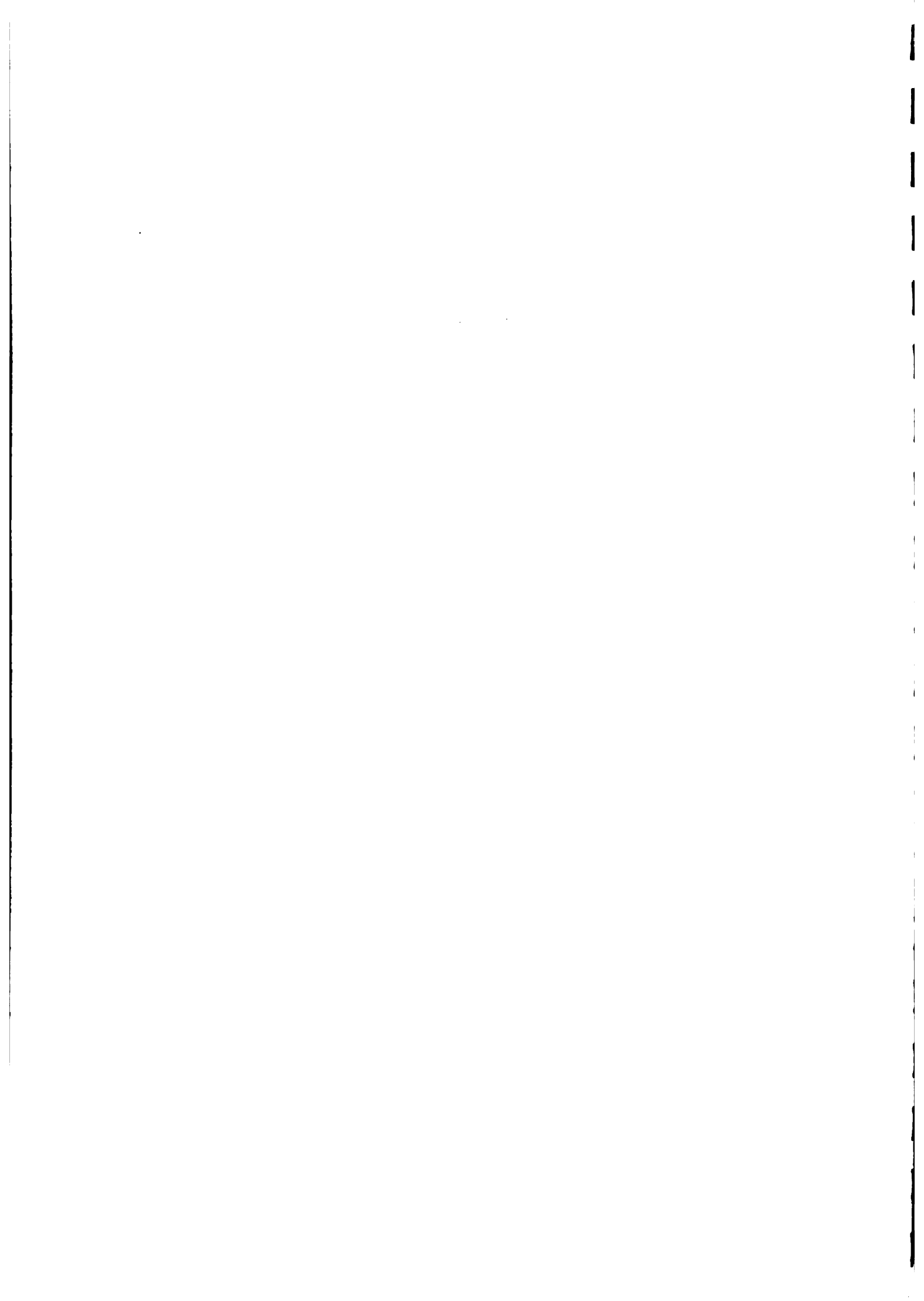
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APPENDIX, SECTION 1.

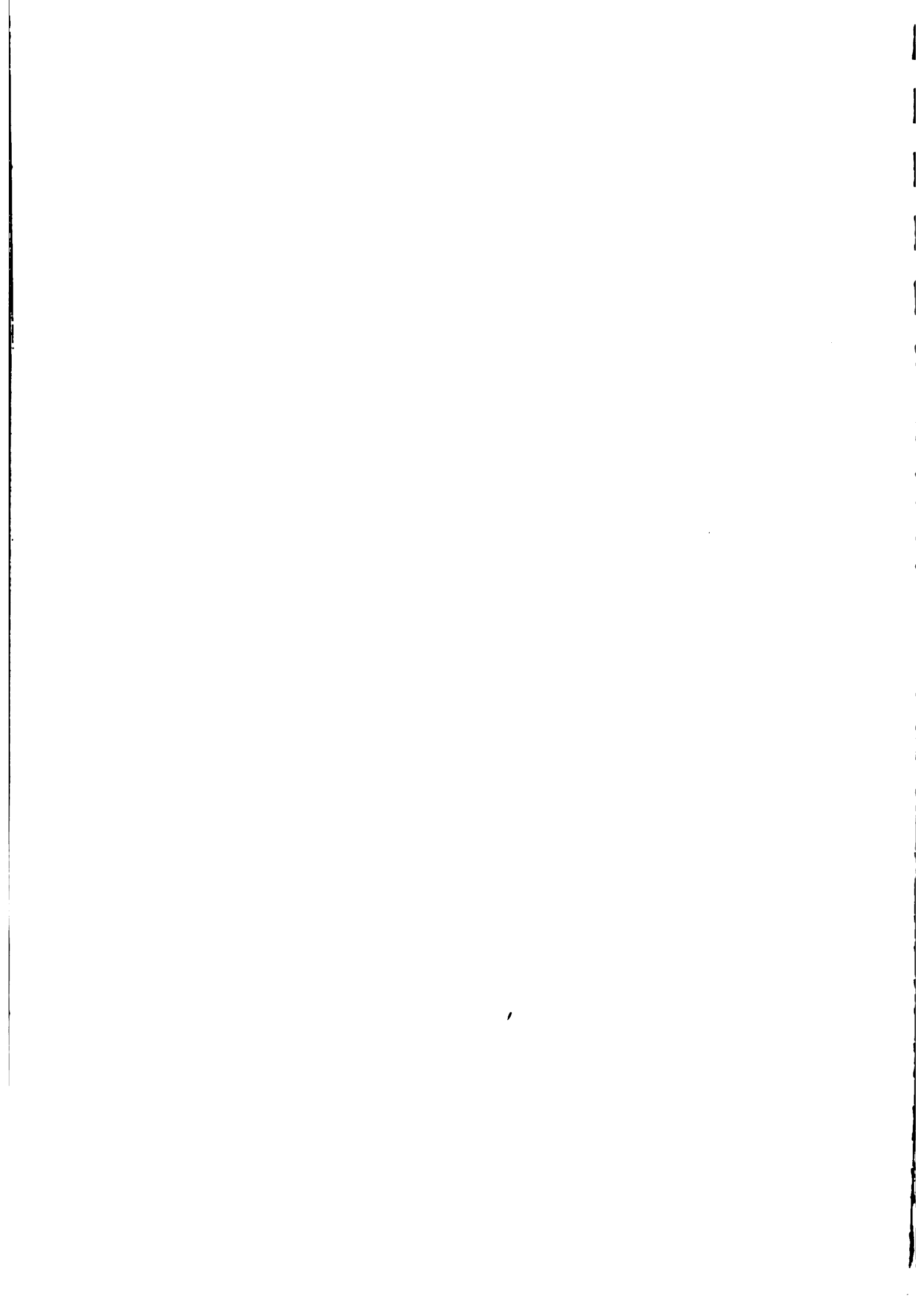
1.1 BRAZILIAN PRELIMINARY TRIAL 1 (PROSTRATE - BROWN-SEEDED).

Results have been tabulated from three of the nine locations with data from one location received too late for inclusion. All lines have been tested for virus resistance in hand inoculated nurseries. The lines from IPA (Treatments 4 to 17) are all susceptible to both virus groups (Poty and CSMV) while 69% of the tested lines from CNPAF were resistant to the CSMV virus. The traditional local check ranked 30 out of 49. The poorer yielding lines were from IPA and cross CNCx 251, the larger seeded lines. The three lines with larger seed and a higher tolerance to virus were CNCx 251-70E, 257-26E and 284-4E. Two lines, CNCx 252-1E and 252-9E, were resistant to both viruses. CNCx 252-1E yielded in the top 10% but seed size was relatively small (14g/100 seeds); thus it is acceptable for states like MA, PI, or CE, which have the viruses and accept smaller seed. It is of note that most CNPAF lines out-yielded the traditional check and several out-yielded the improved check lines CNC 0434 and BR 1-Poty.









CNPAF - PNP-FEIJÃO

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

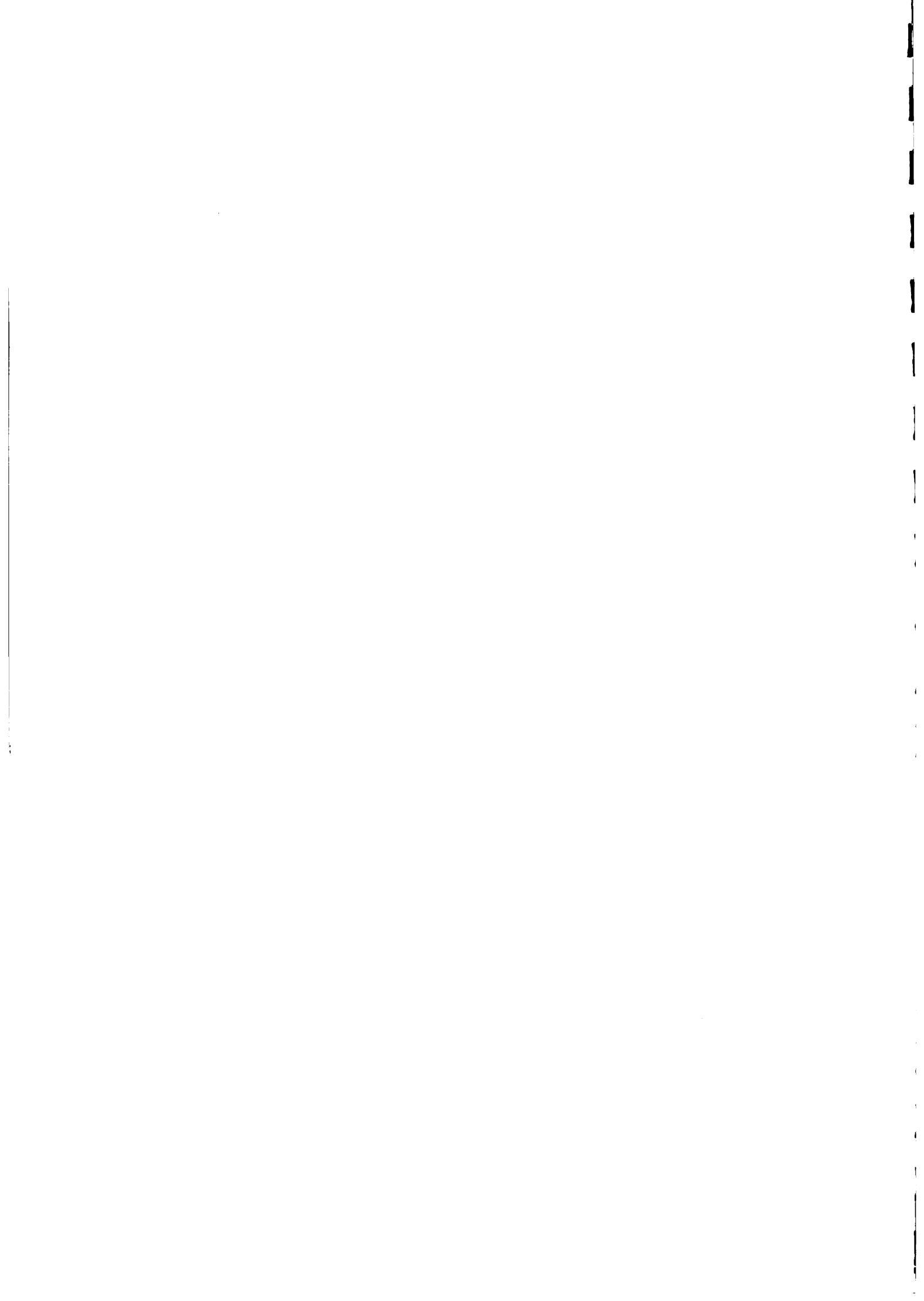
RESPONSÁVEIS: Ricardo José Guazzelli/Earl E. Watt

Nº DE REP. = 03 Nº DE TRATAMENTOS = 49

ENSAIO PRELIMINAR 1 - Goiânia, GO - 1985

NE = 23

TRATAMENTO	PROD.	FI	Nº VAG.	T.PL.	VIG.C.	CSMV	POTY	SAR..	OID.	CER.	ST.	M.I.	I.D.	PCPC	COMP. VAG.	SEM./ VAG.	I.D.A.	P.100S	VAG./ PL.
CNCx 252-8E	965	53	5,7	3	-	4,5	1,0	2	7	7	43	78	68	55	18	17	65	13	9,9
CNCx 252-9E	843	51	6,3	3	-	2,0	1,0	6	7	8	44	76	67	78	18	14	65	13	10,1
CNCx 252-10E	839	55	5,7	3	-	4,5	4,0	1	6	7	46	79	65	45	18	16	64	13	8,5
CNCx 284-21E	825	56	4,0	3	-	4,0	1,0	7	9	9	44	78	67	51	17	14	66	14	8,7
CNCx 252-1E	808	51	7,0	4	-	1,0	1,0	5	7	8	46	76	71	80	19	14	67	14	8,1
CNCx 279-8E	792	53	6,7	4	-	4,0	1,0	5	8	9	45	77	66	67	19	13	66	16	7,9
CNCx 284-4E	773	53	5,7	3	-	3,0	1,0	9	8	9	43	76	71	75	21	13	71	20	6,7
CNCx 252-5E	772	52	6,7	3	-	4,0	1,0	4	7	7	42	77	64	68	18	13	65	17	8,6
CNCx 284-43E	769	51	7,7	3	-	4,0	1,0	8	9	9	41	79	69	82	17	14	68	14	9,6
CNCx 252-6E	755	51	6,7	3	-	4,0	1,0	5	8	8	43	79	62	76	18	13	63	16	8,4
CNCx 257-26E	731	53	5,0	2	-	3,0	1,0	8	8	9	41	78	71	64	18	13	66	17	7,3
CNCx 252-3E	721	51	6,3	4	-	1,0	3,0	9	8	8	40	76	73	78	19	14	72	14	9,1
CNCx 279-9E	720	52	6,7	4	-	4,0	1,0	4	8	8	41	76	65	77	19	13	64	15	8,5
CNCx 279-3E	718	51	6,7	4	-	4,0	1,0	8	8	9	44	79	64	77	18	14	66	16	7,8
CNCx 284-7E	688	52	5,7	3	-	3,0	1,0	7	9	9	38	75	67	85	16	15	65	11	10,7
CNCx 252-4E	686	51	7,3	3	-	4,0	1,0	4	7	9	39	76	62	78	18	13	63	16	8,5
CNCx 279-2E	683	52	6,3	4	-	4,5	1,0	7	7	7	42	76	65	67	18	13	65	17	7,1
CNCx 284-2E	671	51	6,7	3	-	4,0	1,0	9	8	9	39	75	64	83	16	14	65	13	9,6
CNCx 284-44E	668	52	6,7	3	-	4,0	1,0	6	9	8	47	75	65	84	18	15	65	12	7,6
CNCx 284-53E	662	52	7,0	4	-	3,5	1,0	8	9	8	41	76	69	86	16	15	69	12	8,9
$\bar{X}$	547	53	4,8	3	-	-	-	-	-	-	41	78	69	60	19	13	66	16	6,4
F	17,08	15,43	-	-	-	-	-	-	-	-	2,01	6,66	2,02	12,01	10,37	11,50	3,82	32,06	12,88
C.V. %	16,72	2,06	-	-	-	-	-	-	-	-	11,52	2,10	12,23	18,82	4,48	6,11	4,45	4,95	19,14
rc/Prod.	1,0	-0,28	0,74	0,08	-	-	-	-0,32	-0,06	-0,03	0,30	-0,26	-0,11	0,55	-0,38	0,65	-0,14	-0,46	0,87



CNPAF - PNP-Feijao/Caupi - Ensaio Preliminar 1 - Quixada/1985

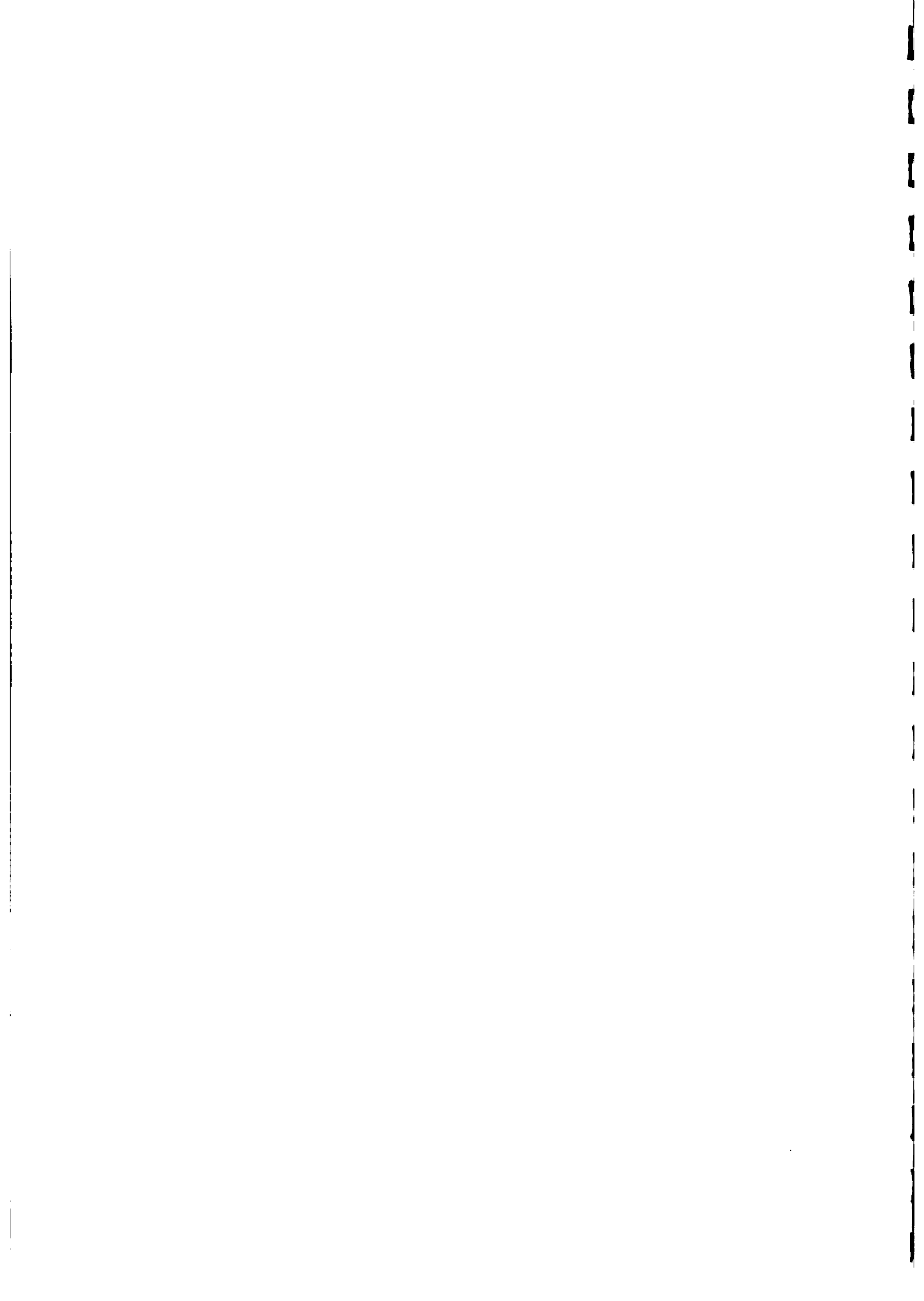
Introducao, Avaliacao e Utilizacao de Germoplasma de Caupi

Responsavel: Paulo Diogenes Barreto

No. de Tratamentos = 49 No. de Repeticoes = 03 Tipo de Planto = 2

Mosaico Dourado, Sarna e Bacteriose = 1

Tratamentos	Prod.	F.I.	St.	P 100S	P.C.p.c.	CSMV	Poty	Mela
CNCx 252-6E	986	48	34	19	77	1	1	3
CNCx 257-26E	980	50	37	20	68	1	1	3
CNCx 279-8E	905	51	29	17	55	1	2	3
CNCx 284-66e	847	50	32	16	80	1	2	3
CNCx 279-9E	837	49	29	19	69	1	1	3
CNCx 252-5E	817	49	40	17	79	1	1	3
CNCx 252-3E	787	46	34	14	95	1	2	3
CNCx 284-18E	780	51	35	17	61	1	1	3
CNCx 284-4E	750	50	33	20	72	1	1	3
CNCx 251-78E	740	49	36	17	70	1	2	3
CNCx 252-1E	737	46	32	16	90	1	2	3
BRI-Poty(T.L.3)	731	51	36	17	86	1	2	3
CNC 0434(T.L.2)	720	49	33	17	74	1	4	2
CNCx 284-53E	663	49	33	14	77	2	1	4
CNCx 279-3E	605	51	33	17	83	1	1	3
CNCx 284-2E	600	51	35	14	70	1	1	3
CNCx 284-23E	580	50	35	17	81	1	2	3
CNCx 279-2E	570	50	26	19	58	1	1	2
CNCx 252-10E	563	49	34	16	59	2	3	3
CNCx 284-7E	563	51	25	14	90	1	2	3
$\bar{x}$	478	50	32	18	76			
F	6,12	2,99	2,24	2,61	1,62			
C.V.%	36,63	2,82	13,19	14,17	23,68			
r c prod.	1,0	-0,33	0,21	0,11	0,24			



CMPAF-PNP-Feijão/Caupi Ensaio Preliminar 1 - Pinheiro-MA/1985  
 Avaliação e utilização de Germoplasma de caupi no Estado do Maranhão  
 Responsáveis: Ubiracy M. Soares/Célia M.S. Pereira  
 Nº de Tratamentos = 49 Nº de Repetições = 03 Data de Plantio = 02/07/85

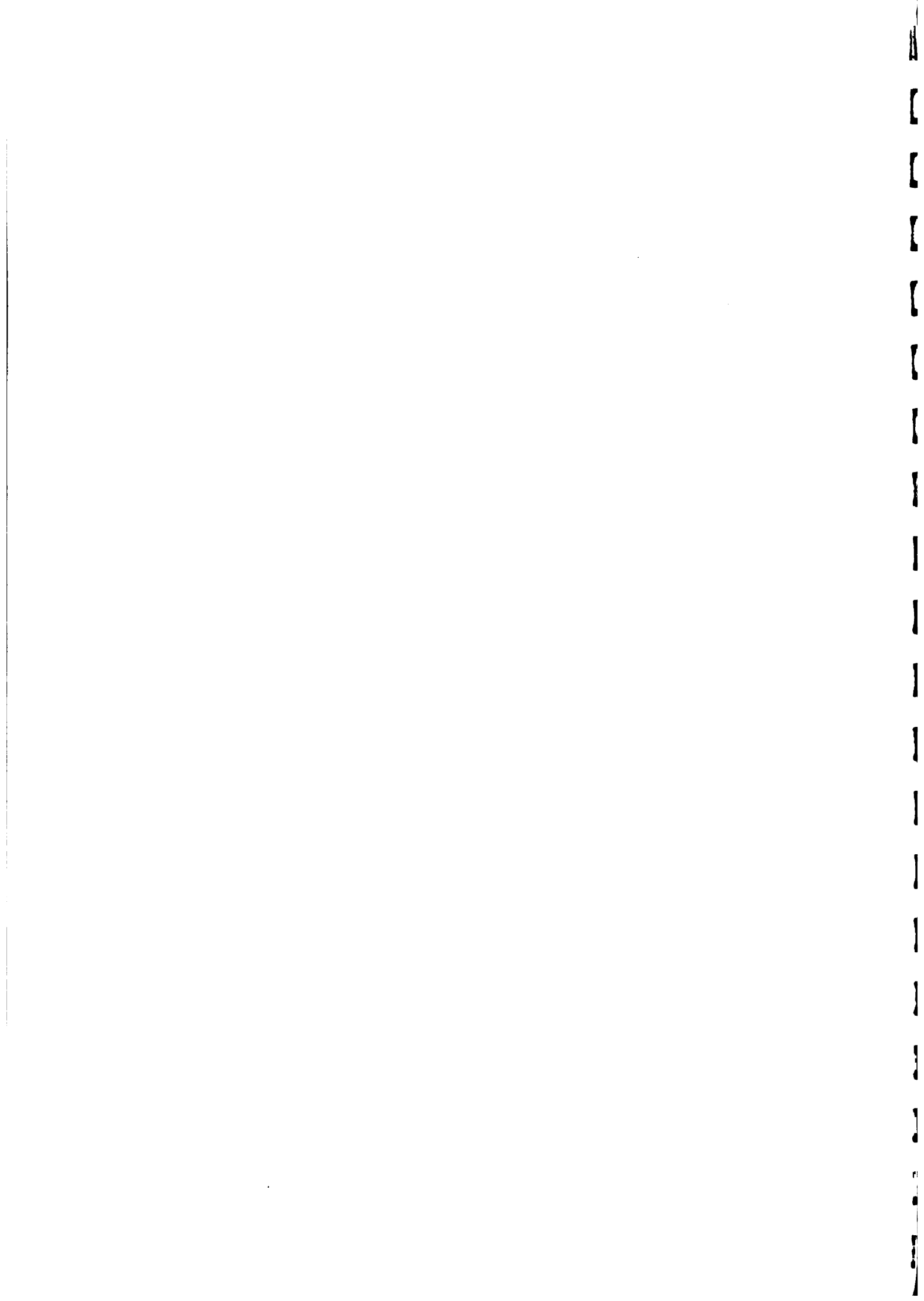
Tratamentos	Prod.	F.I.	T.pl.	CSMV	Poty	Sar.	Fer.	Cer.	Emp.	Vaq.	Man.	St.	M.I.	P100s
CNC 0434	715	48	2	-	-	-	1	1	-	3	-	40	71	14
CNCx 257-3E	653	51	2	-	-	-	1	1	-	4	-	42	72	18
CNCx 284-20E	592	48	2	-	-	-	1	1	-	3	-	46	69	17
CNCx 279-9E	567	45	2	-	-	-	1	1	-	3	-	44	67	15
CNCx 252-10E	545	51	2	-	-	-	1	1	-	4	-	48	73	13
CNCx 251-78E	550	46	2	-	-	-	1	1	-	2	-	42	68	23
CNCx 284-21E	586	49	2	-	-	-	1	1	-	3	-	47	72	14
CNCx 279-3E	534	45	2	-	-	-	1	1	-	3	-	43	66	14
CNCx 279-4E	535	46	2	-	-	-	1	1	-	2	-	48	67	15
CNCx 284-44E	479	45	2	-	-	-	2	1	-	3	-	44	68	13
CNCx 252-8E	573	48	2	-	-	-	1	1	-	5	-	50	70	13
Seridô	541	51	2	-	-	-	3	1	-	5	-	47	75	19
CNCx 284-37E	455	46	2	-	-	-	2	2	-	3	-	42	67	12
CNCx 284-64E	503	48	2	-	-	-	1	1	-	4	-	47	68	12
CNCx 252-1E	546	44	2	-	-	-	1	1	-	3	-	46	68	13
BR1-Poty	550	49	2	-	-	-	1	1	-	3	-	47	73	13
CNCx 279-2E	464	46	2	-	-	-	1	1	-	3	-	51	68	14
CNCx 284-22E	479	48	1	-	-	-	1	1	-	3	-	44	70	14
CNCx 284-2E	537	48	2	-	-	-	1	1	-	3	-	35	70	15
CNCx 284-54E	502	47	2	-	-	-	2	3	-	3	-	51	68	12
$\bar{X}$	546	47	2	-	-	-	2	1	-	3	-	45	70	15
F	2.42	3.44	-	-	-	-	-	-	-	-	-	2.04	3.42	46.25
c.v.%	31.01	3.34	-	-	-	-	-	-	-	-	-	8.89	2.89	4.82
r c/Prod.	1.0	-0.22	0.34	-	-	-	-	-	-	-0.20	-	0.10	-0.18	0.02





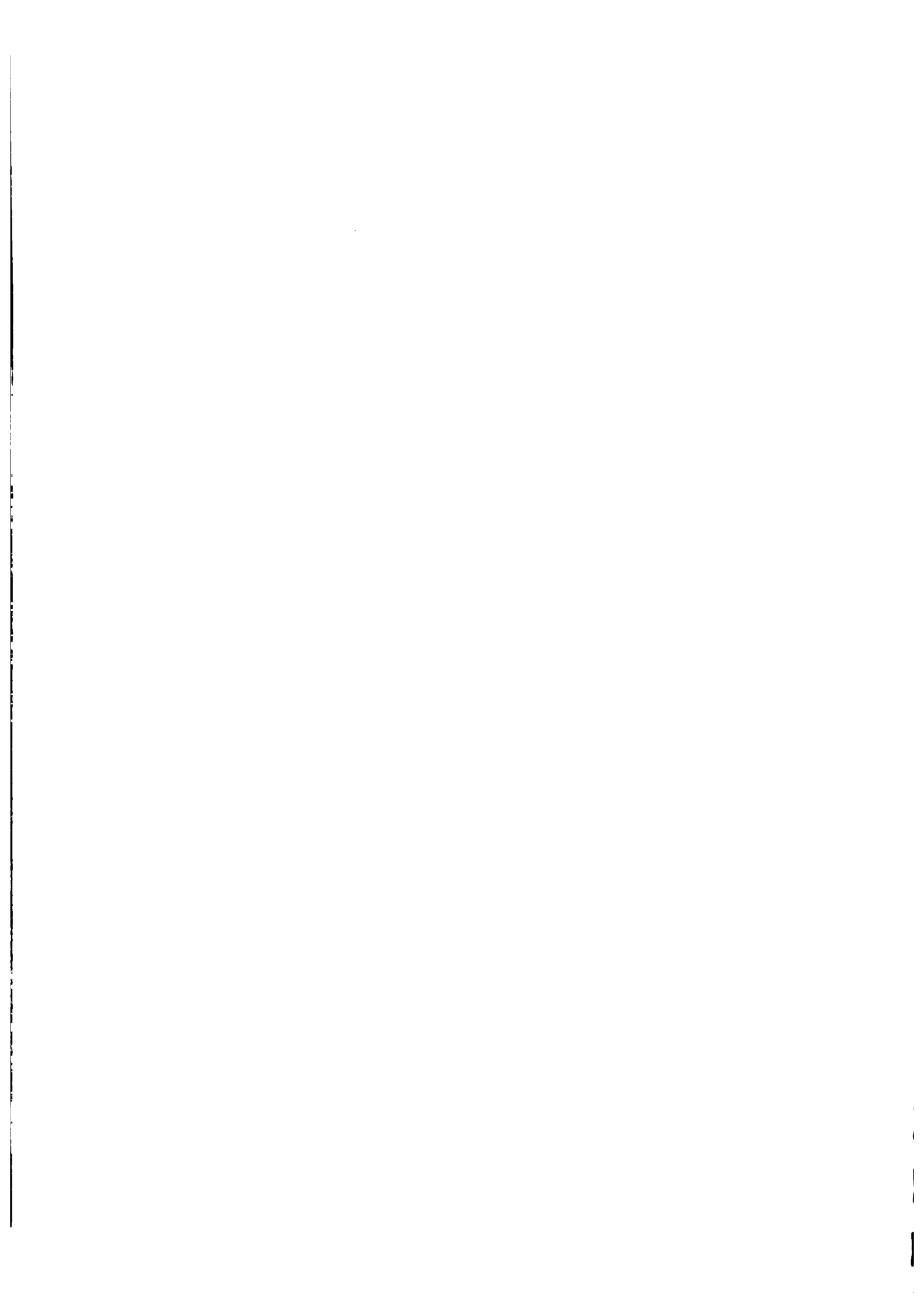
## 1.2 BRAZILIAN PRELIMINARY TRIAL 2 (PROSTRATE, WHITE-SEEDED).

Results have been received from 4 of 5 locations with analysis complete for 3 locations. The 4 large white-seeded IITA lines were susceptible to both viruses and yielded about 300 Kg/ha, 100 Kg/ha less than the trial mean, 50 Kg/ha less than the improved check line BR 1-Poty, and 25% less than CNC 0434. The majority of the test lines from CNPAF were resistant to CSMV in hand inoculated nurseries. Most of the entries are known to be susceptible to Poty virus but have not yet been tested in inoculated nurseries. The three highest yields were CNCx's 190-3E/P, 190-6E/P, and 161-17E/P. The line CNCx 172-1E/P is resistant to CSMV and is large seeded; thus, a good parental line and merits further testing in northern Brazil.

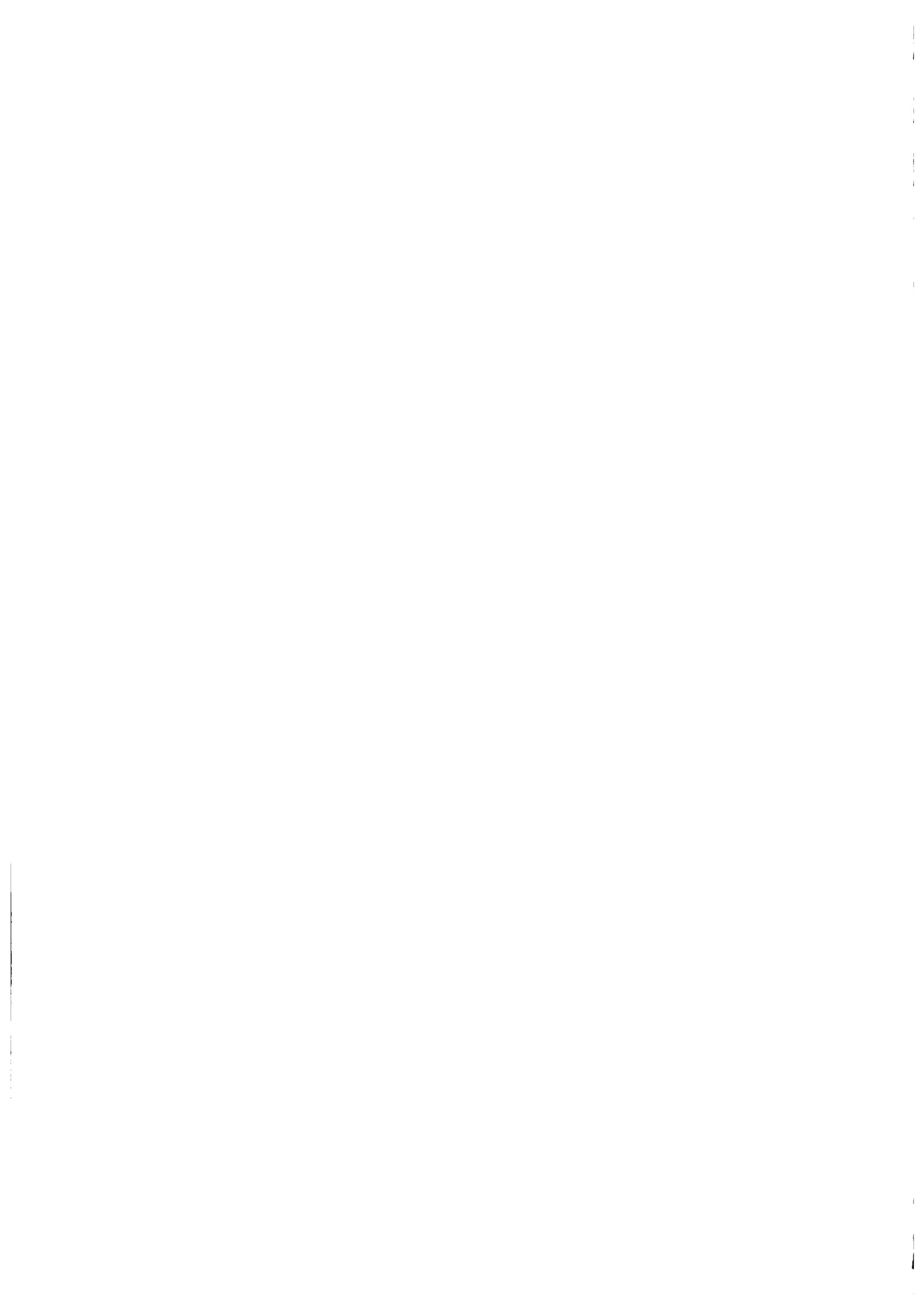


## PRELIMINARY TRIAL 2 1985 FOR THREE LOCATIONS IN BRAZIL

TRT.	TEST LINE	-----YIELD IN KG/HA-----				--VIRUS--		P100S
		G:GO	M:PB	C:CE	MEAN	POTY	CSMV	G:GO
01	CNC 0434	541	296	533	457	3.5	1	15
02	BR 1-Poty	546	268	347	387	2.0	5	13
03	CNCx 154-01F/CE	468	253	330	350	3.0	1	15
04	CNCx 176-01F/CE	281	290	360	310			22
05	CNCx 176-4F/CE	471	247	687	468		1	16
06	CNCx 176-9F/CE	672	267	370	436		1	16
07	CNCx 176-12F/CE	437	381	273	364			17
08	CNCx 177-5F/CE	467	247	430	381			19
09	CNCx 177-7F/CE	386	132	217	245			18
10	CNCx 284-47F	587	374	340	434			14
11	CNCx 284-55F	670	309	310	430			15
12	CNCx 332-10E	684	428	353	488		4	14
13	CNCx 332-34E	309	187	430	309			11
14	TVx 4298-04C	152	99	210	154			15
15	IT 81D-988	278	104	540	307			23
16	IT 81D-994	240	142	443	275			21
17	IT 81D-991	257	151	477	295			20
18	CNCx 154-1E/P	483	235	523	414		1	17
19	CNCx 159-16E/P	416	228	313	319			16
20	CNCx 161-10E/P	583	424	477	495		1	15
21	CNCx 161-11E/P	616	254	363	411			14
22	CNCx 161-15E/P	570	421	430	474		1	15
23	CNCx 161-17E/P	684	452	437	524		1	15
24	CNCx 168-7E/P	718	389	537	548	4.0	1	12
25	CNCx 168-8E/P	420	198	370	329			15
26	CNCx 171-5E/P	696	370	447	504		1	16
27	CNCx 171-7E/P	576	219	367	387	3.5	2	14
28	CNCx 171-12E/P	660	495	530	562	4.0	2	15
29	CNCx 171-20E/P	555	381	270	402	2.0	5	15
30	CNCx 171-21E/P	593	355	387	445			15
31	CNCx 171-28E/P	758	179	223	387		1	14
32	CNCx 172-1E/P	378	104	573	352	3.5	2	19
33	CNCx 172-3E/P	421	193	517	377	2.0		16
34	CNCx 177-2E/P	526	273	360	386			14
35	CNCx 177-6E/P	545	344	277	389			14
36	CNCx 177-9E	478	331	242	350			17
37	CNCx 177-10E/P	445	355	270	357			17
38	CNCx 177-11E/P	315	314	207	279			20
39	CNCx 177-12E/P	477	268	330	358			13
40	CNCx 188-10E/P	414	242	347	334			15
41	CNCx 188-12E/P	565	193	260	339			11
42	CNCx 188-13E/P-1	688	366	297	450			16
43	CNCx 188-15E/P	632	364	433	476			13
44	CNCx 188-16E/P	493	358	420	424			12



TRT.	TEST LINE	-----YIELD IN KG/HA-----				--VIRUS--		P100S
		G:GO	M:PB	C:CE	MEAN	POTY	CSMV	G:GO
45	CNCx 188-17E/P	642	308	173	373		1	13
46	CNCx 190-1E/P	737	426	413	525		1	13
47	CNCx 190-2E/P	637	459	456	517		1	13
48	CNCx 190-3E/P	732	585	400	572		1	12
49	CNCx 190-6E/P	716	380	547	548		1	15
	MEAN	523	299	385	402			
	C.V.	21	37	45				
	L.S.D.	179	180	281				



CNPAF - PNP-FEIJÃO

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

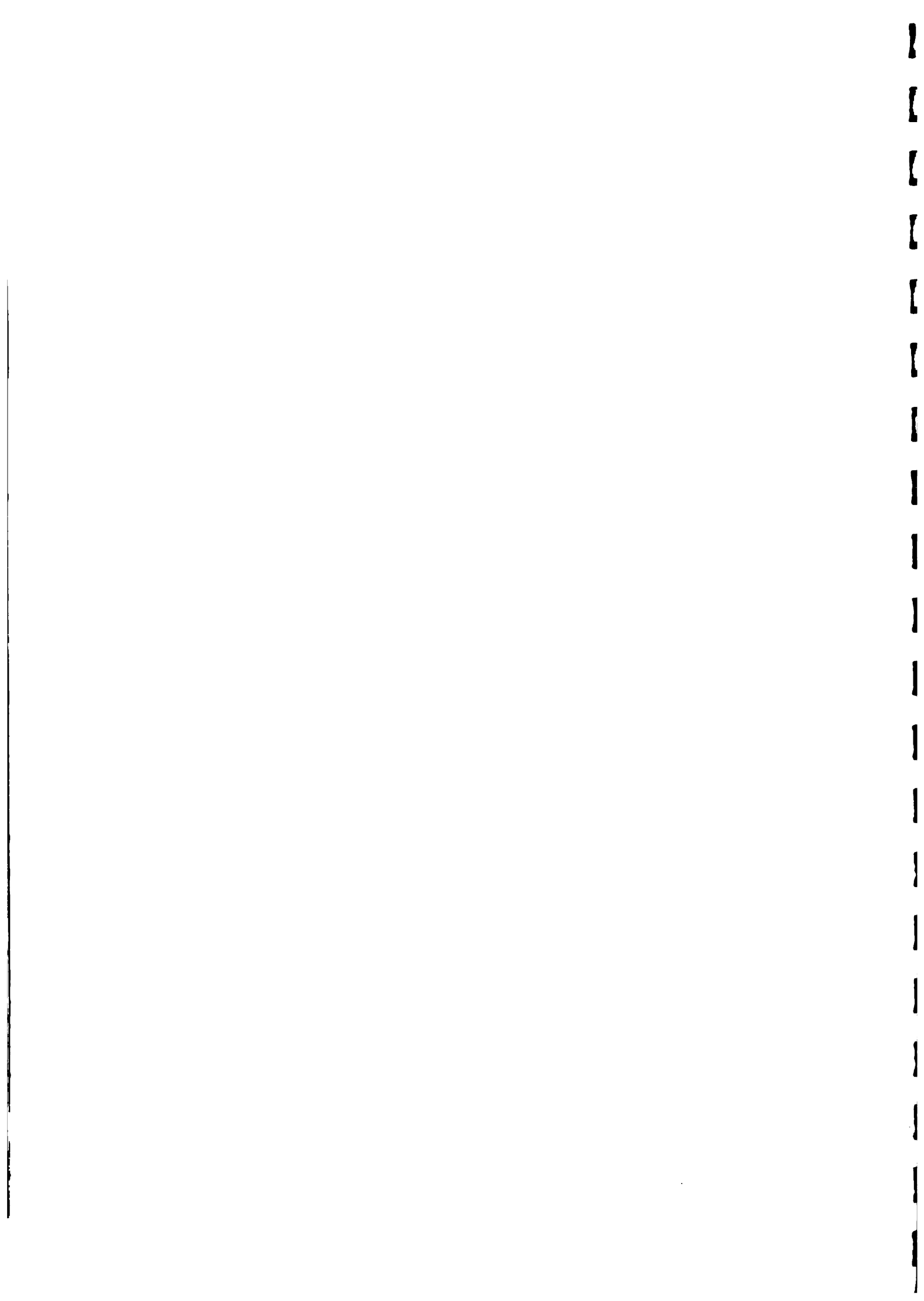
RESPONSÁVEIS: Ricardo José Guazzelli/Earl E. Watt

Nº DE REP. = 03 : Nº DE TRATAMENTOS = 49

ENSAIO PRELIMINAR 2 - Goiânia, GO - 1985

NE = 24

TRATAMENTO	PROD.	FI	Nº VAG.	T.PL.	VIG.C.	CSMV	+X+	POTY	SAR..	OID.	CER.	ST.	M.I.	I.D.	PCPC	COMP. VAG.	SEM./ VAG.	I.D.A.	P.100S	VAG./ PL.
CNCx171-28E/P	758	59	6,0	3	6,3	-	1,5	-	1	7	9	48	83	63	79	16	15	70	14	8,4
CNCx190-1E/P	737	58	6,3	3	6,0	-	2,5	-	4	8	7	39	83	64	91	16	16	70	13	10,2
CNCx190-3E/P	732	60	5,7	3	7,3	-	3,5	-	4	7	5	48	83	63	89	18	16	65	12	8,1
CNCx168-7E/P	718	58	6,3	3	6,7	-	3	-	5	7	7	41	81	66	89	18	16	66	12	9,4
CNCx190-6E/P	716	58	6,3	3	7,3	-	2	-	3	8	8	45	81	65	91	18	15	69	15	8,0
CNCx171-5E/P	696	60	5,0	3	7,0	-	2,5	-	3	7	8	42	84	72	89	19	16	78	16	7,1
CNCx188-13-E/P	688	59	5,7	3	6,7	-	4	-	1	7	7	37	83	59	88	16	14	72	16	10,8
CNCx161-17E/P	684	57	5,7	4	5,7	-	2,5	-	1	7	7	43	82	63	94	16	13	70	15	9,0
CNCx332-10F	684	55	5,0	2	5,3	-	40	-	7	7	8	37	78	67	92	18	16	74	14	9,2
CNCx176-9F/CE	672	57	4,3	4	5,3	-	3	-	7	8	8	42	82	64	80	16	13	73	16	8,5
CNCx 284-55F	670	55	6,3	2	6,3	-	1,5	-	8	6	8	43	79	56	92	18	13	69	15	10,4
CNCx171-12E/P	660	59	4,3	4	6,0	2	-	4	5	8	8	40	84	63	76	17	14	67	15	8,8
CNCx188-17E/P	642	51	6,7	3	4,3	-	2,5	-	6	7	7	33	75	60	94	16	14	68	13	12,3
CNCx190-2E/P	637	59	5,3	3	7,3	-	2,5	-	4	8	7	49	82	64	89	16	15	68	13	7,6
CNCx188-15E/P	632	53	7,0	3	5,7	-	1,5	-	5	8	7	41	79	63	92	16	14	67	13	9,4
CNCx161-11E/P	616	55	5,7	3	4,7	-	3	-	4	7	7	37	80	64	87	16	14	70	14	9,2
CNCx171-21E/P	593	58	6,0	4	5,3	-	1	-	1	7	8	40	82	64	90	17	15	71	15	7,2
CNCx 284-47F	587	55	6,0	3	5,0	-	3	-	7	7	6	41	81	66	84	17	14	65	14	7,5
CNCx161-10E/P	583	56	5,7	3	5,0	-	3	-	3	8	8	42	84	64	85	17	13	67	15	7,6
CNCx171-7E/P	576	59	4,7	3	6,7	2	-	3,5	4	7	8	44	85	71	77	17	15	71	14	6,2
$\bar{X}$	523	56	5,0	3	4,9	-	-	-	-	-	-	40	81	65	83	17	14	71	15	7,1
F	5,45	7,83	-	-	-	-	-	-	-	-	-	1,93	4,13	3,46	4,18	10,71	15,64	3,89	40,23	4,75
CV	21,21	3,14	-	-	-	-	-	-	-	-	-	13,50	2,93	4,63	9,50	3,77	5,79	4,38	4,56	23,29
rc/Prod.	1,0	0,17	0,56	0,03	0,74	-	-	-	-0,12	0,11	0,16	0,30	-0,03	-0,16	0,38	0,01	0,54	-0,18	-0,50	0,81





## Introdução e Avaliação de Cultivares de Caupi

Responsável: João Bosco/Earl E. Watt

Nº de repetições: 03 Nº de tratamentos: 49

TRATAMENTOS	PROD.	F.I.	T.PL	CSMV	POTY	SAR,	OID.	EMP.	VAQ.	MAN.	ELASNO	ST.	M.I.	P 100S
CNCx 190-3E/P	585	30	1	1	-	-	2	2	2	-	-	49	60	-
CNCx 171-12E/P	495	35	1	1	-	-	2	2	2	-	-	49	64	-
CNCx 190-2E/P	459	37	1	1	-	-	2	2	2	-	-	48	71	-
CNCx 161-17E/P	452	33	1	1	-	-	2	2	2	-	-	45	63	-
CNCx 332-10F	428	33	2	2	-	-	2	2	2	-	-	50	63	-
CNCx 190-1E/P	426	35	1	1	-	-	2	2	2	-	-	49	66	-
CNCx 161-10E/P	424	35	1	1	-	-	2	2	2	-	-	48	65	-
CNCx 161-15E/P	421	35	1	1	-	-	2	2	2	-	-	50	67	-
CNCx 168-7E/P	389	33	2	1	-	-	1	2	2	-	-	46	64	-
CNCx 176-12F/CE	381	31	2	1	-	-	2	2	2	-	-	45	58	-
CNCx 171-20E/P	381	37	1	1	-	-	2	2	2	-	-	48	66	-
CNCx 190-6E/P	380	30	1	1	-	-	2	2	2	-	-	48	58	-
CNCx 284-47F	374	34	2	1	-	-	2	2	2	-	-	50	63	-
CNCx 171-5E/P	370	34	1	1	-	-	2	2	2	-	-	50	63	-
CNCx 188-13-1E/P	366	36	1	1	-	-	2	2	2	-	-	46	65	-
CNCx 188-15E/P	364	33	1	1	-	-	2	2	2	-	-	48	61	-
CNCx 188-16E/P	358	33	1	1	-	-	2	2	2	-	-	47	63	-
CNCx 171-21E/P	355	32	1	1	-	-	1	2	2	-	-	46	63	-
CNCx 177-10E/P	355	32	1	1	-	-	2	2	2	-	-	50	61	-
CNCx 177-6E/P	344	30	1	1	-	-	2	2	2	-	-	48	56	-
X	299	34	-	-	-	-	-	-	-	-	-	47	63	-
F	2,92	11,25	-	-	-	-	-	-	-	-	-	1,08	9,03	-
C.V. %	37,18	4,43	-	-	-	-	-	-	-	-	-	11,69	3,56	-
rc/Prod.	-	-0,19	-	-	-	-	-	-	-	-	-	0,27	-0,20	-



CNPAF            PNP-Feijão/Caupi            Ensaio Preliminar 2(Semente branca)  
Crateus-CE(1985)

Introdução, Avaliação e Utilização de Germoplasma de Caupi

Responsável: Paulo Diógenes Barreto

DPPC=70

Nº de tratamentos: 49

Nº de repetições: 03

TRATAMENTOS	PROD.	F. I.	St. F.
CNCx 176-4F/CE	687	45	26
CNCx 172-1E/P	573	42	33
CNCx 190-6E/P	546	43	29
IT 81D-988	540	41	24
CNCx 168-7E/P	537	45	20
CNC 0434	533	42	20
CNCx 171-12E/P	530	41	18
CNCx 154-1E/P	523	45	21
CNCx 172-3E/P	517	41	16
IT 81D-991	477	43	17
CNCx 161-10E/P	477	42	17
CNCx 190-2E/P	457	43	25
CNCx 171-5E/P	447	41	13
IT 81D-994	443	41	13
CNCx 161-17E/P	437	41	14
CNCx 188-15E/P	433	41	25
CNCx 177-5F/CE	430	43	15
CNCx 332-34E	430	43	16
CNCx 161-15E/P	430	45	25
CNCx 188-16E/P	420	42	18
$\bar{X}$	385	43	17
F	1,25	12,96	2,13
C. V. %	45,20	1,79	43,44
r c/prod.	1,0	-0,07	0,56



### 1.3 BRAZILIAN PRELIMINARY TRIAL 3 (ERECT, BROWN-SEEDED).

Results have been received from 4 of the 10 locations with analysis completed for 3 locations. There were no entries with virus resistance even though one of the parent lines was resistant to CSMV. Test lines were early and erect compared with traditional lines but none out-yielded the improved check CNC 0434, a semi-erect line. However, all were of better seed size and color than the check lines. Several of the better lines will be retested in 1986 Advanced Trials.

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YIELD IN KG/HA 100 SEED WT. VIRUS  
 60 P-NA M:PB C:AM MED 60 MA MED POTY SEV

1	40 DIAS	108	553	100	1133	254	12	13	13	4.5	4
2	CNC 0434	599	536	328	1511	488	15	14	15	3.5	1
3	BR 1-POTY	437	326	210	1246	324	14	13	14	1	4
4	L.1101 (IPA)	224	284	184		231	18	14	16		5
5	L.1128 (IPA)	112	280	132		175	19	18	19		5
6	L.1413-3 (IPA)	246	527	219	1731	331	20	19	20		5
7	L.1378 (IPA)	187	222	118		176	18	19	19		5
8	L.1331 (IPA)	133	349	97		193	20	19	20		5
9	L.1055-8 (IPA)	57	220	237		171	16	20	18		5
10	L.1011 (IPA)	119	397	59		192	19	19	19		5
11	L.1333 (IPA)	155	324	174		218	18	14	16		5
12	L.1370 (IPA)	157	360	77		198	18	17	18		5
13	L.1406-1 (IPA)	131	326	25		161	20	17	19		5
14	L.1055-2 (IPA)	103	313	150		189	17	19	18		5
15	L.1327-5 (IPA)	148	432	65		215	19	16	18	4	4
16	L.1105-4 (IPA)	204	249	141		198	20	20	20		4
17	L.1042 (IPA)	161	292	167		207	20	14	17		5
18	L.1041 (IPA)	195	471	138		268	20	14	17		5
19	L.1354 (IPA)	142	429	15		195	21	14	18		5
20	L.1309 (IPA)	177	455	146		259	19	15	17	4	4
21	CNCX 251-3E	413	336	317	1277	355	15	14	15	3.5	4
22	CNCX 251-4E	328	578	284	1495	397	14	14	14	3	4
23	CNCX 251-5E	313	406	109		276	15	16	16	3	4
24	CNCX 251-11E	273	300	272		282	14	17	16	3.5	3
25	CNCX 251-18E	372	306	267		315	22	20	21	3.5	4
26	CNCX 251-26E	346	175	187		236	14	14	14	3.5	3.5
27	CNCX 251-28E	358	237	168		254	16	15	16	3.5	4
28	CNCX 251-30E	365	375	271		337	15	14	15	3	4
29	CNCX 251-36E	300	518	126		315	16	17	17	3	4
30	CNCX 251-37E	401	363	311		358	15	16	16	4	4
31	CNCX 251-38E	340	367	195	1436	301	15	17	16	4	4
32	CNCX 251-40E	412	303	93		269	16	14	15	3	3
33	CNCX 251-41E	271	304	291		289	16	15	16	3	4
34	CNCX 251-44E	220	363	166		250	14	14	14	3.5	4
35	CNCX 251-45E	412	644	172		409	17	17	17	3	4
36	CNCX 251-46E	288	371	223		294	13	14	14	3	4
37	CNCX 251-49E	310	352	56		239	15	16	16	3	4
38	CNCX 251-60E	335	479	275		363	15	15	15	3	4
39	CNCX 251-61E	457	554	358		456	16	15	16	3	4
40	CNCX 251-64E	210	354	70		211	15	16	16	3	3
41	CNCX 251-69E	346	275	139		253	14	17	16	3.5	4
42	CNCX 251-79E	436	505	259		400	22	20	21	3.5	3.5
43	CNCX 251-81E	445	566	228		413	18	18	18	4.5	4
44	CNCX 251-85E	330	424	199		318	15	14	15	4	4
45	CNCX 251-86E	237	401	154		264	15	14	15	3.5	4
46	CNCX 251-87E	381	412	168		320	15	14	15	3.5	3
47	CNCX 251-88E	272	306	142		240	16	17	17	3.5	3
48	CNCX 251-89E	378	391	229		333	15	16	16	4	4
49	CNCX 251-90E	277	461	74		271	16	15	16	3.5	3
MEAN OF 49 ENTRIES		278	383	175		278	17	16	16	3.4	4.1
F VALUE		5.9	1.34	2.68							
C.V. %		30.	41.4	50.6							
SD DIF MEANS		69.	112	72.4							
LSD		138	222	143							
MSD				298							





CNPAF - PNP-FEIJÃO

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

RESPONSÁVEIS: Ricardo José Guazzelli/Earl E. Watt

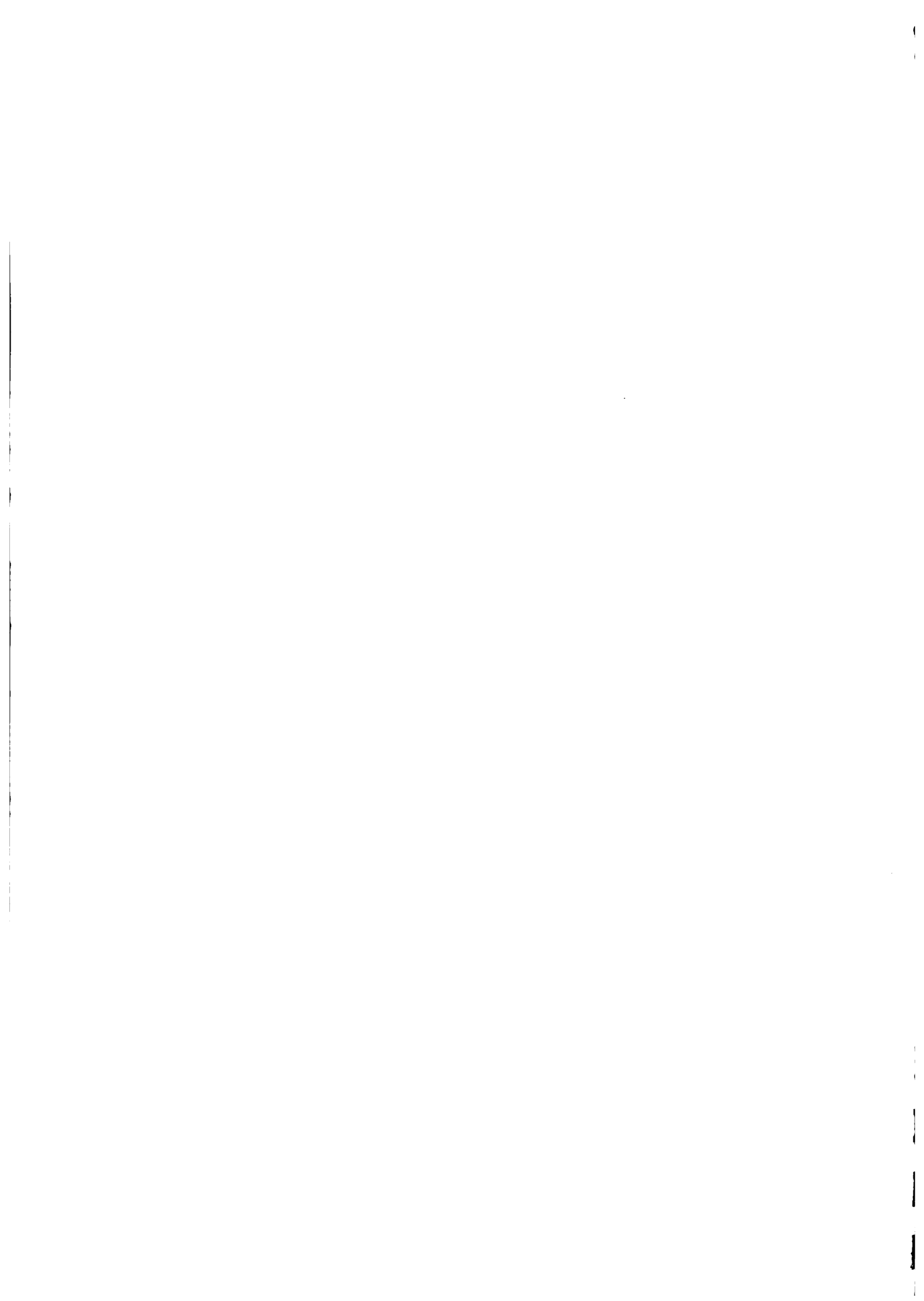
Nº DE REP. = 03

Nº DE TRATAMENTOS = 49

ENSAIO PRELIMINAR 3 - Goiânia, GO - 1985

NE = 25

TRATAMENTO	PROD.	FI	Nº VAG.	T.PL.	VIG.C.	CSMV	POTY	SAR..	OID.	CER.	ST.	M.I.	I.D.	PCPC	COMP. VAG.	SEM./ VAG.	I.D.A.	P.100S	VAG. PL.
CNC 0434	599	60	5,0	3	6,0	1	3,5	1	7	8	42	88	70	15	17	15,6	76	15	6,9
CNCx 251-61E	457	47	5,7	2	5,7	4	3,0	8	7	9	33	73	64	64	17	13,0	65	16	7,0
CNCx 251-81E	445	49	4,7	2	6,3	4	4,5	7	8	8	37	74	70	42	17	12,4	68	18	5,2
BR 1-POTY	437	59	4,3	3	4,7	4	1	7	8	7	36	84	73	07	19	15,5	73	14	5,9
CNCx 251-79E	436	55	4,0	2	5,3	3,5	3,5	7	4	8	36	85	66	00	20	11,8	70	22	5,2
CNCx 251-3E	413	47	5,0	2	5,7	4	3,5	8	7	9	35	73	66	56	17	13,7	64	15	5,6
CNCx 251-40E	412	46	5,7	2	5,0	3	3	7	9	9	39	72	58	66	17	12,4	58	15	5,6
CNCx 251-45E	412	49	4,7	2	6,0	4	3	9	9	7	31	74	59	33	18	13,1	64	17	6,5
CNCx 251-37E	401	48	5,0	2	4,3	4	4	7	7	8	40	73	66	48	17	12,9	64	15	4,9
CNCx 251-87E	381	46	5,0	2	5,0	3	3,5	8	7	9	37	72	58	66	17	12,0	63	15	6,2
CNCx 251-89E	378	46	5,3	2	5,0	4	4	8	8	9	38	71	64	68	18	12,6	70	15	6,0
CNCx 251-18E	372	51	5,0	3	5,3	4	3,5	7	4	8	42	80	65	09	21	11,1	65	22	3,7
CNCx 251-30E	365	50	4,7	2	4,0	4	3	8	7	8	40	74	67	47	16	12,7	66	15	4,8
CNCx 251-28E	358	46	5,0	2	4,0	4	3,5	8	8	9	46	72	62	63	17	11,8	67	16	4,5
CNCx 251-26E	346	47	4,7	2	4,7	3,5	3,5	7	9	9	34	72	62	54	16	11,8	63	14	6,3
CNCx 251-69E	346	46	4,7	2	5,0	4	3,5	8	8	9	37	72	63	68	16	12,2	64	14	5,5
CNCx 251-38E	340	50	4,7	2	5,0	4	4	8	8	8	41	76	66	52	17	12,1	64	15	4,2
CNCx 251-60E	335	47	4,3	2	4,7	4	3	8	8	9	36	74	62	49	17	11,7	62	15	5,2
CNCx 251-85E	330	47	5,0	2	4,0	4	4	8	7	8	36	72	63	58	16	11,2	62	15	5,4
CNCx 251-4E	328	46	5,0	2	5,0	4	3	8	9	9	36	72	62	60	16	11,9	63	14	5,4
X̄	278	51	3,9	2	4,7	-	-	-	-	-	36	77	67	29	18	12,2	68	17	3,9
F	5,89	8,79	-	-	-	-	-	-	-	-	1,50	6,06	2,64	7,17	14,33	3,25	6,15	9,63	6,05
C.V.Z	30,48	5,48	-	-	-	-	-	-	-	-	14,21	4,61	7,48	54,22	4,78	9,30	5,44	8,24	29,62
rc/Prod.	1,0	-0,42	0,73	-0,11	0,55	-	-	-0,55	-0,16	0,01	0,36	-0,32	-0,28	0,64	-0,26	0,27	-0,36	-0,23	0,90



## Avaliação e utilização de germoplasma de caupi no Estado do Maranhão.

Responsáveis: Ubiracy M. Soares/Célia M.S. Pereira

Nº Tratamentos: 49

Nº Repetições: 03

Data do plantio: 04/07/85

Tratamento	Prod.	F.I.	T.pl.	CSMW	Poty	Sar.	Fer.	Emp.	Vaq.	Man.	ST.	M.I.	P100s
CNCx 251-46E	644	45	1	-	-	-	-	1	3	-	69	67	17
CNCx 251-4E	578	43	1	-	-	-	-	1	2	-	71	67	14
CNCx 251-81E	566	46	2	-	-	-	-	1	3	-	53	67	18
CNCx 251-39E	554	43	1	-	-	-	-	2	2	-	49	67	15
40 DIAS	553	46	2	-	-	-	-	1	2	-	43	67	13
CNC 0434	536	47	2	-	-	-	-	1	2	-	31	68	14
L 1413-3 (IPA)	527	46	2	-	-	-	-	1	3	-	43	67	19
CNCx 251-36E	518	42	1	-	-	-	-	1	2	-	62	67	17
CNCx 251-79E	505	45	1	-	-	-	-	1	3	-	65	67	20
CNCx 251-60E	479	45	1	-	-	-	-	1	2	-	71	67	15
CNCx 251-80E	471	50	1	-	-	-	-	1	4	-	60	75	14
CNCx 251-90E	461	42	1	-	-	-	-	1	2	-	65	67	15
CNCx 251-92E	455	44	1	-	-	-	-	1	3	-	64	67	15
CNCx 251-71E	432	51	1	-	-	-	-	1	4	-	58	73	16
CNCx 251-82E	429	43	1	-	-	-	-	1	3	-	67	67	14
CNCx 251-85E	424	42	1	-	-	-	-	1	3	-	71	67	14
CNCx 251-87E	412	43	1	-	-	-	-	1	3	-	68	67	14
CNCx 251-5E	406	43	1	-	-	-	-	1	2	-	65	67	16
CNCx 251-86E	401	44	1	-	-	-	-	1	2	-	72	67	14
L 1011 (IPA)	397	49	2	-	-	-	-	2	3	-	31	73	19
$\bar{X}$	383	46	1	-	-	-	-	1	3	-	55	69	16
F	1,34	4,76	-	-	-	-	-	-	-	-	5,39	6,65	13,73
C.V.	41,44	5,00	-	-	-	-	-	-	-	-	19,81	2,47	5,96
rc/Prod.	1,00	-0,28	0,10	-	-	-	-	-	-0,06	-	0,33	-0,28	-0,08



## Introdução e Avaliação de Cultivares de Caupi

Responsável: João Bosco

Nº de repetições: 49

Nº de tratamentos: 03

TRATAMENTOS	PROP.	F.I.	T.P.L.	CSMV	POTY	SAR.	OID.	IMP.	NO.	MAN.	ELASMO	SI.	M.I.	P 100S
CNCx 251-61E	358	33	2	-	1	-	2	2	2	1	1	46	62	-
CNC 0434	328	35	1	-	1	-	2	2	2	1	1	48	64	-
CNCx 251-3E	317	32	2	-	1	-	2	2	2	2	1	45	61	-
CNCx 251-37E	311	34	2	-	1	-	2	2	2	1	1	43	63	-
CNCx 251-41E	291	32	2	-	1	-	2	3	2	1	1	44	62	-
CNCx 251-4E	284	33	1	-	1	-	2	2	2	1	1	48	64	-
CNCx 251-60E	275	35	2	-	1	-	2	2	2	2	1	47	64	-
CNCx 251-11E	272	36	2	-	1	-	2	2	2	1	1	49	64	-
CNCx 251-30E	271	33	2	-	1	-	2	2	2	1	1	41	62	-
CNCx 251-18E	267	31	2	-	1	-	2	2	2	1	1	43	60	-
CNCx 251-79E	259	31	2	-	1	-	1	2	2	1	1	48	61	-
L 1055-8 (IPA)	237	36	1	-	1	-	3	2	2	1	1	45	64	-
CNCx 251-89E	229	33	2	-	1	-	2	2	2	1	2	48	62	-
CNCx 251-81E	228	33	1	-	1	-	2	2	2	1	1	46	64	-
CNCx 251-46E	223	35	2	-	1	-	2	2	2	1	1	50	63	-
L 1413-3 (IPA)	219	36	2	-	2	-	2	2	2	1	1	44	65	-
BR 1-POTY	210	35	1	-	2	-	3	3	3	1	1	49	65	-
CNCx 251-85E	199	32	2	-	1	-	2	2	2	1	1	49	61	-
CNCx 251-38E	195	31	2	-	1	-	2	2	2	1	1	50	60	-
CNCx 251-26E	187	36	2	-	1	-	2	2	2	1	1	45	65	-
$\bar{X}$	175	34	-	-	-	-	-	-	-	-	-	44	63	-
F	2,68	5,44	-	-	-	-	-	-	-	-	-	1,39	5,68	-
C.V.%	50,63	4,59	-	-	-	-	-	-	-	-	-	15,05	2,98	-
rc/Prod.	1	-0,56	-	-	-	-	-	-	-	-	-	0,40	-0,53	-

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#### 1.4 BRAZILIAN PRELIMINARY TRIAL 4 (ERECT, WHITE-SEEDED).

This was the first year for an erect white-seeded trial. Results have been analysed from only 2 of the 8 locations. The IITA lines are all susceptible to both viruses (Poty and CSMV), while most CNPAF test lines are resistant to CSMV and susceptible to Poty virus. Best yielders were CNCx's 171-4E/P and 171-6E/P with seed size of 15g/100 seeds which is only acceptable in a few states. TVx 5052-011C, which has good seed size and color, yielded relatively well and could have potential in the northern region.







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CNPAF - PNP-FEIJÃO

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

ENSAIO PRELIMINAR 4 - Goiânia, GO - 1985

RESPONSÁVEIS: Ricardo José Guazzelli/Earl E. Watt

NE = 26

Nº DE REP. = 03

Nº DE TRATAMENTOS = 36

TRATAMENTO	PROD.	PI	Nº VAG.	T.PL.	VIG.C.	CSMV	+ X +	POTY	SAR..	OID.	GER.	ST.	M.I.	I.D.	PCPC	COMP. VAG.	SEM./ VAG.	I.D.A.	P.100S	VAG./ PL.
BRI-POTY	771	57	4,3	3	4,7	4	-	1	5	6	6	38	86	68	61	19	16,2	73	13	10,4
CNCx172-8E/P	769	54	6,0	2	6,7	-	-	5	1	7	7	38	85	70	79	17	15,2	72	15	9,2
CNCx171-29E/P	738	55	5,0	3	6,7	-	-	3	1	7	8	41	84	71	71	17	15,5	71	16	7,4
CNCx171-33E/P	704	55	5,0	3	6,0	-	-	5	3	7	7	38	85	68	68	16	14,6	72	15	9,6
CNCx171-23E/P	662	56	4,7	2	6,0	-	-	5	2	6	8	35	84	68	73	17	14,9	67	13	9,5
CNCx171-10E/P	655	52	5,0	2	6,7	-	-	3	2	7	8	40	82	66	84	17	15,3	70	14	8,1
CNCx172-7E/P	650	56	5,0	3	5,7	-	-	5	1	7	7	36	85	70	66	17	15,4	72	15	8,4
CNCx171-16E/P	647	52	5,3	3	7,0	-	-	2	1	8	8	45	82	65	82	16	13,9	72	14	8,0
CNCx188-18E/P	638	56	3,7	2	6,3	-	-	3	1	7	6	34	85	65	65	16	15,9	71	13	10,0
CNCx171-4E/P	624	58	4,7	3	7,3	-	-	2	1	8	8	39	83	77	73	17	15,3	80	15	7,4
CNCx171-9E/P	603	55	4,0	3	5,3	2	-	3	2	7	8	33	82	71	80	15	15,5	73	12	9,8
CNCx171-31E/P	603	55	4,7	2	6,7	-	-	5	1	6	7	37	84	68	80	17	15,7	72	15	7,2
CNCx171-8E/P	600	55	4,7	2	5,7	-	-	5	3	7	8	36	84	69	76	16	15,0	70	12	9,7
CNC 0434	594	54	5,3	3	6,0	1	-	3,5	1	7	7	36	84	72	78	17	14,8	73	15	7,9
CNCx177-5E/P	564	50	5,3	2	4,0	-	-	5	7	8	8	38	78	68	80	17	13,7	70	16	7,4
CNCx172-6E/P	554	59	2,3	3	6,3	-	-	3	1	6	8	35	85	71	39	17	16,1	72	14	7,0
CNCx171-6E/P	552	59	3,7	3	6,3	-	-	2	1	8	8	34	85	77	59	16	15,4	81	15	7,6
CNCx159-15E/P	539	57	3,3	3	4,7	-	-	4	6	6	8	31	85	66	67	16	15,4	68	11	10,6
CNCx171-32E/P	519	54	4,3	2	6,0	-	-	4	1	6	7	33	84	72	70	16	15,4	71	15	7,0
CNCx177-8E/P	503	50	5,0	2	4,3	-	-	3	2	8	8	30	81	62	80	17	12,8	68	15	9,7
X	524	54	4,4	2	5,3	-	-	-	3,5	7	7	35	83	70	71	17	14	73	15	7,5
F	4,17	5,05	-	-	-	-	-	-	-	-	-	1,31	2,94	2,18	2,06	6,91	23,40	11,92	30,63	4,19
C.V.Z	22,82	3,72	-	-	-	-	-	-	-	-	-	16,24	2,76	6,65	17,96	4,77	4,78	3,15	4,64	20,75
rc/Prod.	1,0	0,06	0,47	0,34	0,63	-	-	-	-0,43	-0,11	0,33	0,42	-0,07	-0,03	0,38	0,22	0,63	-0,21	-0,43	0,71

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CNPAF PNP-Feijão/Caupi Ensaio Preliminar 4 - Crateus-CE/1985

Introdução, Avaliação e Utilização de Germoplasma de Caupi

Responsável: Paulo Diógenes Barreto

DPPC=70

Nº de tratamentos: 36

Nº de repetições: 03

TRATAMENTOS	PROD.	F. I.	ST.
CNCx 171-6E/P	927	43	40
CNCx 171-13E/P	843	41	47
CNCx 171-23E/P	807	45	45
TVx 5052-011C	803	41	43
CNCx 171-4E/P	790	42	46
CNCx 172-1E/P	740	43	36
TVx 5058-09C	720	43	45
IT 81D-113	683	41	43
BR 1-POTY	677	41	36
CNC 0434	670	42	26
IT 81D-993	667	43	46
CNCx 188-13E/P	663	45	39
CNCx 171-10E/P	650	41	37
CNCx 171-33E/P	650	43	38
CNCx 177-4E/P	643	41	45
CNCx 177-7E/P	633	41	40
CNCx 172-7E/P	627	45	40
CNCx 177-5E/P	620	41	31
CNCx 188-18E/P	620	41	44
CNCx 171-32E/P	613	41	42
$\bar{X}$	620	42	39
F	1,56	22.906,67	1,43
C. V. %	26,97	0,04	20,92
r c/prod.	1,0	0,01	0,39

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CONVÊNIO DE GERMOPLASMA DE CAUPI

P.S. SÁVEIS: Ricardo José Guazzelli/Earl E. Watt

Nº DE TRATAMENTOS = 80

ENSAIO PRELIMINAR 5 - Goiânia, GO - 1985

NE = 27

TRATAMENTO	PROD.	FI	Nº VAC.	T.PL.	VIG.C.	CSMV	+X+	POTY	SAR.	OID.	CER.	ST.	M.I.	I.D.	PCPC	COMP. VAG.	SEM./ VAG.	I.D.A.	P.100S	VAG./ PL.
CNC284-8E	792	58	6,3	3	6,0	1	-	3	6	8	8	45	85	70	70	22	14,3	74	21	6,1
CNC279-10E	725	58	5,7	3	7,3	-	3	-	3	7	7	46	86	63	77	16	14,6	65	15	7,5
CNC 0434	700	58	5,7	3	6,0	1	-	5	5	7	8	43	83	65	78	19	14,1	66	14	8,5
WU0171-30E/P	690	56	6,3	3	6,3	1	-	3,5	2	7	7	42	85	69	83	17	14,5	69	14	8,2
WU0248-8E	686	58	6,0	3	6,7	-	3	-	1	8	8	42	86	64	71	17	14,4	69	16	7,5
WU0171-3E/P	683	58	6,3	2	6,3	1	-	3	7	8	5	40	83	68	79	19	14,9	70	16	7,7
WU0248-8E	680	58	6,0	4	4,7	-	3	-	5	7	7	45	83	70	82	18	15,4	67	13	6,9
WU0171-3E/P	688	58	5,7	3	5,7	1	-	4	2	7	7	42	84	64	76	20	14,1	66	16	7,1
WU0171-3E/P	680	58	5,7	3	5,0	1	-	4	5	7	7	46	84	63	76	19	14,0	64	15	6,5
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	6	8	7	41	84	65	76	19	15,0	67	14	7,8
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	3	7	7	41	86	64	78	15	14,4	67	13	8,6
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	0	8	7	45	84	65	84	17	15,4	66	12	7,3
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	1	7	7	46	85	67	83	18	15,9	67	14	6,2
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	h	h	7	42	85	73	78	19	15,5	67	13	7,4
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	h	h	7	42	82	66	82	17	14,5	68	17	5,3
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	h	h	7	44	84	66	87	16	16,0	68	13	6,4
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	h	h	7	44	81	66	90	19	15,2	67	13	6,4
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	h	h	7	44	84	63	87	18	14,0	68	15	6,8
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	h	h	7	44	84	64	81	19	14,4	71	16	6,4
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	h	h	7	44	84	64	62	17	13,7	68	15	6,6
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	h	h	7	44	84	64	62	17	13,7	68	15	6,6
WU0171-3E/P	688	58	6,3	3	6,7	1	-	-	h	h	7	44	84	64	62	17	13,7	68	15	6,6

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APPENDIX, SECTION 2.2.1 BRAZILIAN ADVANCED TRIAL 1 (PROSTRATE, BROWN-SEEDED).

Results have been tabulated from 5 of the 11 trials sent out. Only two lines, CNCx 187-22D-1 and CNCx 187-22D-2, had good resistance to both viruses. CNCx 187-22D-1 is quite erect and thus did not get properly evaluated for yield potential. The line CNCx 85-6D yielded well and had tolerance to viruses. However, the seed is very small. Thus it will be kept in trials as a potential for DNOCS irrigated areas. Very few lines have been kept for the regional trials.



AVANCED TRIAL I 1985 FOR SEVEN LOCATIONS IN BRAZIL

TREAT TEST LINE	YIELD IN KG/HA								VIRUS		100 SEED WEIGHT		
	G:GD	S:PE	A:PB	M:CE	Q:CE	P:CE	P:MA	MEAN	POTY	CSMV	G:GD	P:MA	MEAN
1 LOCAL CHECK 1	338	450	116	46	501	607	301	337	3		18	11	15
2 LOCAL CHECK 2	1024	525	29	18	325	466	304	384	1	4	17	19	18
3 CNC 0434	697	605	230	34	1213	619	288	527	3.5	1	15	14	15
4 BR 1-POTY	837	925	221	61	1185	673	284	598	2	5	13	14	14
5 PITIUBA	421	850	338	9	511	509	223	409	4	4	20	19	20
6 CNCX 167-43F	849	620	417	9	600	734	392	517	4	4	21	19	20
7 CNCX 159-01F	818	485	327	53	563	438	290	468	4	2	13	12	13
8 CNCX 153-3F	1136	1425	389	83	981	890	270	719	2	4	15	15	15
9 CNCX 167-2F	871	475	315	9	748	549	227	456	3.5	3.5	17	16	17
10 CNCX 165-7E	1158	1175	390	65	816	596	293	640	2.5	4	13	13	13
11 CNCX 167-14F	789	533	294	19	415	775	296	446	4	4	16	16	16
12 CNCX 165-12E	1055	1263	235	110	824	623	339	636	3	4	14	12	13
13 CNCX 165-17E	973	1300	266	49	738	677	284	612	2.5	4	13	12	13
14 CNCX 11-17D	941	400	424	42	815	835	296	536	3.5	4	16	14	15
15 CNCX 85-6D	851	1105	177	116	1152	703	239	620	2	2.5	11	11	11
16 CNCX 167-13F	798	775	269	19	720	848	293	532	4	4	16	16	16
17 CNCX 149-26D	904	725	204	127	802	577	261	514	4		16	15	16
18 CNCX 94-1D	767	575	378	41	842	628	266	500	3.5	3.5	16	14	15
19 CNCX 167-22D-1	937	425	234	10	301	430	340	385	1.5	1	19	20	20
20 CNCX 151-2F	765	820	260	74	977	584	309	541	3	4	18	17	18
21 CNCX 172-01F	691	525	117	0	392	464	311	357	3.5	3	18	14	16
22 CNCX 187-22D-2	1041	925	217	62	692	462	311	530	2	1	17	16	17
23 CNCX 92-4E	688	695	241	60	517	551	342	442	4	4	15	15	15
24 CNCX 167-6F	937	925	445	78	1002	800	278	645	4	4	20	18	19
25 CNCX 167-21F	1045	515	352	10	589	591	223	475	4	3	19	17	18
MEAN	855	762	276	48	728	625	290	513	3	3	16	15	16
F	4.68	3.58	2.11	5.68	4.19	3.11	.79						
C.V.	21.01	29.5	51.9	62.7	34.9	24.1	30.5						
SD DIF MEANS	128.0	159.0	101.3	15.06	179.7	106.5	62.6						
LSD	256.0	327.5	202.6	30.1	359.4	212.9	125.3						
MSD	486.9	922.5	385.3	81.06	683.6	405	238.3						

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CNPAF - PNP-FEIJÃO

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

ENSAIO AVANÇADO 1 - Goiânia, GO - 1985

RESPONSÁVEIS: Ricardo José Guazzelli/Earl E. Watt

NE - 21

Nº DE REP. = 4 Nº DE TRATAMENTOS = 25

TRATAMENTO	PROD.	FI	Nº VAG.	T.PL.	V.C.C.	CSMV	POTY	SAR.	OID.	CER.	ST.	M.I.	I.D.	PCPC	COMP. VAG.	SEM./ VAG.	I.D.A.	P.10US	VAG. PL.
CNCx 165-7E	1158	54	2,3	4	2,8	4	2,5	6	8	8	23	82	75	37	19	17	75	13	23,6
CNCx 153-3F	1136	53	2,8	4	3,3	4	2	6	8	8	27	79	76	60	21	18	74	15	16,2
CNCx 165-12E	1055	56	2,8	4	3,8	4	3	7	7	8	23	80	73	52	19	17	70	14	19,3
CNCx 167-21F	1045	55	2,0	4	3,5	3	4	5	7	8	23	84	77	26	20	15	73	19	15,6
CNCx 187-22D-2	1041	52	3,3	3	3,3	1	2	7	8	8	25	78	74	69	19	15	73	17	16,2
CNCx 24-015E	1024	56	2,7	4	4,3	4	1	6	7	9	24	82	77	27	21	17	75	17	15,3
CNCx 167-6F	989	53	2,8	4	3,0	4	4	6	8	9	25	79	77	59	21	16	74	20	12,4
CNCx 165-17E	973	56	3,0	4	3,5	4	2,5	6	7	7	23	80	77	45	21	17	70	13	17,8
CNCx 11-17D	941	56	1,8	4	3,0	4	3,5	7	7	8	25	82	75	4	19	16	72	16	14,3
CNCx 187-22D-1	937	55	2,3	4	3,3	1	1,5	7	7	8	24	84	76	21	19	15	72	19	13,6
CNCx 149-26D	904	52	3,3	3	3,0	-	-	6	7	8	23	81	73	58	21	16	71	16	15,5
CNCx 167-2F	871	58	2,0	4	3,8	3,5	3,5	7	8	8	26	86	77	0	21	16	72	17	11,1
CNCx 85-6D	851	55	2,3	4	3,0	2,5	2	6	8	8	23	79	76	57	17	17	71	11	18,7
CNCx 167-43F	849	58	1,8	4	3,5	4	4	6	8	9	21	83	77	12	21	15	72	21	12,0
BRI-POTY	837	56	2,0	4	2,8	5	2	6	8	8	26	83	76	19	18	16	72	13	14,1
CNCx 159-01F	818	56	1,8	4	3,0	2	4	5	6	8	24	84	72	9	17	15	67	13	17,2
CNCx 167-13F	798	55	2,0	4	3,0	4	4	6	8	9	24	80	74	44	20	16	71	16	12,1
CNCx 167-14F	789	54	1,8	4	3,0	4	4	6	8	9	25	81	76	31	20	16	70	16	11,3
CNCx 94-1D	767	56	2,0	3	2,8	3,5	3,5	6	7	9	24	82	76	19	21	16	74	16	12,3
CNCx 151-2F	765	57	2,0	4	2,3	4	3	6	8	9	24	83	73	18	24	16	75	18	11,1
CNC 0434	697	54	2,8	3	2,8	1	3,5	1	7	8	25	82	73	39	16	15	71	15	12,2
CNCx 172-01F	691	58	1,5	4	3,0	3	3,5	6	6	8	26	88	77	0	20	14	75	18	10,3
CNCx 92-4F	688	54	2,3	4	2,0	4	4	8	7	9	23	79	75	57	19	15	73	15	13,0
PITIUBA	421	64	1,0	4	2,3	-	-	8	5	8	22	92	79	0	22	17	77	20	5,8
VITA-3	338	55	1,5	3	1,3	-	6	8	6	8	21	81	79	41	20	16	76	18	5,4
X̄	855	55	2,26	3,6	2,97	-	-	-	-	-	24	82	76	32	20	16	73	16	13,9
F	4,68	16,16	-	-	-	-	-	-	-	-	1,04	6,43	1,25	6,52	20,38	6,32	8,50	27,93	6,41
C.V.%	21,17	2,22	-	-	-	-	-	-	-	-	13,02	2,95	4,57	52,49	3,85	4,20	2,19	5,99	22,62
rc/Prod.	-	-0,48	0,51	0,36	0,53	-	-	-0,14	0,28	0,05	0,17	-0,40	-0,08	0,35	-0,04	0,24	-0,11	-0,15	0,80

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CNPAF PNP-Feijão/Caupi Ensaio Preliminar 4 - Crateus-CE/1985

Introdução, Avaliação e Utilização de Germoplasma de Caupi

Responsável: Paulo Diógenes Barreto

DPPC=70

Nº de tratamentos: 36

Nº de repetições: 03

TRATAMENTOS	PROD.	F. I.	ST.
CNCx 171-6E/P	927	43	40
CNCx 171-13E/P	843	41	47
CNCx 171-23E/P	807	45	45
TVx 5052-011C	803	41	43
CNCx 171-4E/P	790	42	46
CNCx 172-1E/P	740	43	36
TVx 5058-09C	720	43	45
IT 81D-113	683	41	43
BR 1-POTY	677	41	36
CNC 0434	670	42	26
IT 81D-993	667	43	46
CNCx 188-13E/P	663	45	39
CNCx 171-10E/P	650	41	37
CNCx 171-33E/P	650	43	38
CNCx 177-4E/P	643	41	45
CNCx 177-7E/P	633	41	40
CNCx 172-7E/P	627	45	40
CNCx 177-5E/P	620	41	31
CNCx 188-18E/P	620	41	44
CNCx 171-32E/P	613	41	42
$\bar{X}$	620	42	39
F	1,56	22.906,67	1,43
C. V. %	26,97	0,04	20,92
r c/prod.	1,0	0,01	0,39

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CNPAE - PNP-FEIJÃO

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

ENSAIO PRELIMINAR 5 - Goiânia, GO - 1985

NE - 27

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

TREATAMENTO	PROD.	FI	Nº VAG.	T.PL.	VIG.C.	CSMV	+ X +	POTY	SAR.	OID.	CER.	ST.	M.I.	I.D.	PCPC	COMP. VAG.	SEM./ VAG.	I.D.A.	P.100S	VAG./ PL.
CNCx284-8E	792	58	6,3	3	6,0	1	-	3	6	8	8	45	85	70	70	22	14,3	74	21	6,1
CNCx171-3E/P	725	58	5,7	3	7,3	-	3	-	3	7	7	46	86	63	77	16	14,6	65	15	7,5
CNCx279-10E	700	58	5,7	3	6,0	1	-	5	5	7	8	43	83	65	78	19	14,1	66	14	8,5
CNC 0434	690	56	6,3	3	6,3	1	-	3,5	2	7	7	42	85	69	83	17	14,5	69	14	8,2
CNCx171-30E/P	686	58	6,0	3	6,7	-	3	-	1	8	8	42	86	64	71	17	14,4	69	16	7,5
CNCx284-42E	683	55	6,3	2	6,3	1	-	3	7	8	5	40	83	68	79	19	14,9	70	16	7,7
CNCx171-1	670	58	6,0	4	4,7	-	3	-	5	7	7	45	83	70	82	18	15,4	67	13	6,9
CNCx279-6E	659	56	5,7	3	5,7	1	-	4	2	7	7	42	84	64	76	20	14,1	66	16	7,1
CNCx279-5E	646	56	6,3	3	5,0	1	-	4	5	7	7	46	84	63	76	19	14,0	64	15	6,5
CNCx168-2E/P	641	55	5,0	3	6,7	-	3	-	6	8	7	41	84	65	76	19	15,0	67	14	7,8
CNCx171-22E/P	634	60	5,0	3	6,3	-	4	-	3	7	7	41	86	64	78	15	14,4	67	13	8,6
CNCx171-1E/P	617	57	5,0	4	5,7	-	2	-	6	8	7	45	84	65	84	17	15,4	66	12	7,3
CNCx188-2E/P	615	57	5,7	3	6,3	-	3	-	1	7	7	46	85	67	83	18	15,9	67	14	6,2
BR1-POTY	609	57	5,7	3	5,3	4	-	1	6	8	7	42	85	73	78	19	15,5	67	13	7,4
CNCx279-4E	602	53	6,3	3	4,7	-	2,5	-	7	7	8	48	82	66	82	17	14,5	68	17	5,3
CNCx284-54E	595	56	6,0	3	5,3	1	-	3	6	8	7	49	84	66	87	16	16,0	68	13	6,4
CNCx168-3E/P	589	55	5,7	3	4,3	-	2	-	6	7	5	46	81	66	90	19	15,2	67	13	6,4
CNCx251-71E	581	54	5,7	2	6,7	4	-	3,5	4	7	7	41	84	65	87	18	14,0	68	15	6,8
CNCx284-15E	576	55	6,3	3	5,0	1	-	4	6	8	5	41	83	68	81	19	14,4	71	16	6,4
CNCx171-11E/P	569	62	5,0	3	6,0	-	4	-	1	7	8	44	87	67	62	17	13,7	68	15	6,6
X̄	473	55	4,9	3	4,9	-	-	-	-	-	-	42	83	66	76	18	13,6	69	15	5,7
F	5,72	21,31	-	-	-	-	-	-	-	-	-	1,61	-	5,62	9,16	16,27	11,25	8,31	41,75	3,76
C.V.X	20,72	3,06	-	-	-	-	-	-	-	-	-	13,01	-	4,27	12,36	4,61	6,06	3,77	4,10	21,81
rc/Prod.	1,0	0,14	0,55	0,25	0,68	-	-	-	-0,28	-0,12	-0,21	0,26	0,15	0,01	0,20	0,24	0,52	-0,13	-0,08	0,79

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APPENDIX, SECTION 2.2.1 BRAZILIAN ADVANCED TRIAL 1 (PROSTRATE, BROWN-SEEDED).

Results have been tabulated from 5 of the 11 trials sent out. Only two lines, CNCx 187-22D-1 and CNCx 187-22D-2, had good resistance to both viruses. CNCx 187-22D-1 is quite erect and thus did not get properly evaluated for yield potential. The line CNCx 85-6D yielded well and had tolerance to viruses. However, the seed is very small. Thus it will be kept in trials as a potential for DNOCS irrigated areas. Very few lines have been kept for the regional trials.

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AVANCED TRIAL 1 1985 FOR SEVEN LOCATIONS IN BRAZIL

REAT TEST LINE	YIELD IN K6/HA								VIRUS		100 SEED WEIGHT		
	G:GD	S:PE	A:PB	M:CE	Q:CE	P:CE	P:MA	MEAN	POTY	CSMV	G:GD	P:MA	MEAN
1 LOCAL CHECK 1	338	450	116	46	501	607	301	337	3		18	11	15
2 LOCAL CHECK 2	1024	525	29	18	325	466	304	384	1	4	17	19	18
3 CNC 0434	697	605	230	34	1213	619	288	527	3.5	1	15	14	15
4 BR 1-POTY	837	925	221	61	1185	673	284	598	2	5	13	14	14
5 PITIUBA	421	850	338	9	511	509	223	409	4	4	20	19	20
6 CNCX 167-43F	849	620	417	9	600	734	392	517	4	4	21	19	20
7 CNCX 159-01F	818	485	327	53	563	438	290	468	4	2	13	12	13
8 CNCX 153-3F	1136	1425	389	83	981	890	270	719	2	4	15	15	15
9 CNCX 167-2F	871	475	315	9	748	549	227	456	3.5	3.5	17	16	17
10 CNCX 165-7E	1158	1175	390	65	816	586	293	640	2.5	4	13	13	13
11 CNCX 167-14F	789	533	294	19	415	775	296	446	4	4	16	16	16
12 CNCX 165-12E	1055	1263	255	110	824	623	339	636	3	4	14	12	13
13 CNCX 165-17E	973	1300	266	49	738	677	284	612	2.5	4	13	12	13
14 CNCX 11-17D	941	400	424	42	815	835	296	536	3.5	4	16	14	15
15 CNCX 85-6D	851	1105	177	116	1152	703	239	620	2	2.5	11	11	11
16 CNCX 167-13F	798	775	269	19	720	848	293	532	4	4	16	16	16
17 CNCX 149-26D	904	725	204	127	802	577	261	514	4		16	15	16
18 CNCX 94-1D	767	575	378	41	842	628	266	500	3.5	3.5	16	14	15
19 CNCX 167-22D-1	937	425	254	10	301	430	340	385	1.5	1	19	20	20
20 CNCX 151-2F	765	820	260	74	977	584	309	541	3	4	18	17	18
21 CNCX 172-01F	691	525	117	0	392	464	311	357	3.5	3	18	14	16
22 CNCX 187-22D-2	1041	925	217	62	692	462	311	530	2	1	17	16	17
23 CNCX 92-4E	688	695	241	60	517	551	342	442	4	4	15	15	15
24 CNCX 167-6F	967	925	445	78	1002	800	278	645	4	4	20	18	19
25 CNCX 167-21F	1045	515	352	10	589	591	223	475	4	3	19	17	18
MEAN	855	762	276	48	728	625	290	513	3	3	16	15	16
F	4.68	3.58	2.11	5.68	4.19	3.11	.79						
C.V.	21.01	29.5	51.9	62.7	34.9	24.1	30.5						
SD DIF MEANS	128.0	159.0	101.3	15.06	179.7	106.5	62.6						
LSD	256.0	327.5	202.6	30.1	359.4	212.9	125.3						
MSD	486.9	922.5	385.3	81.06	683.6	405	238.3						

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CNPAF - PNP-FEIJÃO

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

RESPONSÁVEIS: Ricardo José Guazzelli/Earl E. Watt

Nº DE REP. = 4

Nº DE TRATAMENTOS = 25

ENSAIO AVANÇADO 1 - Goiânia, GO - 1985

NE - 21

TRATAMENTO	PROD.	FI	Nº VAG.	T.PL.	IND.C.	CSMV	POTY	SAR.	OID.	CER.	ST.	M.I.	I.D.	PCPC	COMP. VAG.	SEM./ VAG.	I.D.A.	P.10US	VAG. PL.
CNCx 165-7E	1158	54	2,3	4	2,8	4	2,5	6	8	8	23	82	75	37	19	17	75	13	23,6
CNCx 153-3F	1136	53	2,8	4	3,3	4	2	6	8	8	27	79	76	60	21	18	74	15	16,2
CNCx 165-12E	1055	56	2,8	4	3,8	4	3	7	7	8	23	80	73	52	19	17	70	14	19,3
CNCx 167-21F	1045	55	2,0	4	3,5	3	4	5	7	8	23	84	77	26	20	15	73	19	15,6
CNCx 187-22D-2	1041	52	3,3	3	3,3	1	2	7	8	8	25	78	74	69	19	15	73	17	16,2
CNCx 24-015E	1024	56	2,7	4	4,3	4	1	6	7	9	24	82	77	27	21	17	75	17	15,3
CNCx 167-6F	989	53	2,8	4	3,0	4	4	6	8	9	25	79	77	59	21	16	74	20	12,4
CNCx 165-17E	973	56	3,0	4	3,5	4	2,5	6	7	7	23	80	77	45	21	17	70	13	17,8
CNCx 11-17D	941	56	1,8	4	3,0	4	3,5	7	7	8	25	82	75	4	19	16	72	16	14,3
CNCx 187-22D-1	937	55	2,3	4	3,3	1	1,5	7	7	8	24	84	76	21	19	15	72	19	13,6
CNCx 149-26D	904	52	3,3	3	3,0	-	-	6	7	8	23	81	73	58	21	16	71	16	15,5
CNCx 167-2F	871	58	2,0	4	3,8	3,5	3,5	6	8	8	26	86	77	0	21	16	72	17	11,1
CNCx 85-6D	851	55	2,3	4	3,0	2,5	2	7	8	8	23	79	76	57	17	17	71	11	18,7
CNCx 167-43F	849	58	1,8	4	3,5	4	4	6	8	9	21	83	77	12	21	15	72	21	12,0
BRL-POTY	837	56	2,0	4	2,8	5	2	6	8	8	26	83	76	19	18	16	72	13	14,1
CNCx 159-01F	818	56	1,8	4	3,0	2	4	5	6	8	24	84	72	9	17	15	67	13	17,2
CNCx 167-13F	798	55	2,0	4	3,0	4	4	6	8	9	24	80	74	44	20	16	71	16	12,1
CNCx 167-14F	789	54	1,8	4	3,0	4	4	6	8	9	25	81	76	31	20	16	70	16	11,3
CNCx 94-1D	767	56	2,0	3	2,8	3,5	3,5	6	7	9	24	82	76	19	21	16	74	16	12,3
CNCx 151-2F	765	57	2,0	4	2,3	4	3	6	8	9	24	83	73	18	24	16	75	18	11,1
CNC 0434	697	54	2,8	3	2,8	1	3,5	1	7	8	25	82	73	39	16	15	71	15	12,2
CNCx 172-01F	691	58	1,5	4	3,0	3	3,5	6	6	8	26	88	77	0	20	14	75	18	10,3
CNCx 92-4F	688	54	2,3	4	2,0	4	4	8	7	9	23	79	75	57	19	15	73	15	13,0
PITIUBA	421	64	1,0	4	2,3	-	-	8	5	8	22	92	79	0	22	17	77	20	5,8
VITA-3	338	55	1,5	3	1,3	-	5	8	6	8	21	81	79	41	20	16	76	18	5,4
X	855	55	2,26	3,6	2,97	-	-	-	-	-	24	82	76	32	20	16	73	16	13,9
F	4,68	16,16	-	-	-	-	-	-	-	-	1,04	6,43	1,25	6,52	20,38	6,32	8,50	27,93	6,41
V.Z	21,17	2,22	-	-	-	-	-	-	-	-	13,02	2,95	4,57	52,49	3,85	4,20	2,19	5,99	22,62
Prod.	-	-0,48	0,51	0,36	0,53	-	-	-0,14	0,28	0,05	0,17	-0,40	-0,08	0,35	-0,04	0,24	-0,11	-0,15	0,80

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CNPAP - PNP-Feijão/Caupi - Ensaio Avançado 1 - Serra Talhada-PE/1985

Obtenção de Linhagens de Caupi Adaptadas a Região Semi-árida de Pernambuco

Responsável: Luiz Rodrigues de Oliveira

Nº de Tratamentos = 25 Nº de Repetições = 02 M.l. = 99

Gafanhotos = 03 Outras Pragas e Doenças = 1

Tratamentos	Produção	F.I.	St.	T.P.P.
CNCx 153-3F	1425	40	40	2
CNCx 165-17E	1300	40	40	2
CNCx 165-12F	1283	40	40	2
CNCx 165-7E	1175	40	40	2
CNCx 85-6D	1105	40	41	2
BR1-Poty	925	40	40	2
CNCx 187-22D-2	925	40	40	2
CNCx 167-6F	925	40	39	2
Pitiuba	850	40	40	1
CNCx 151-7F	820	39	40	2
CNCx 167-13F	775	40	40	1
CNCx 149-26D	725	38	40	2
CNCx 92-4E	695	37	41	2
CNCx 167-43F	690	40	41	2
CNC 0434	605	40	34	2
CNCx 94-1D	575	40	40	2
CNCx 167-14F	533	40	40	2
Test. LOC.2	525	40	40	2
CNCx 172-01F	525	40	40	1
CNCx 167-21F	515	39	40	2
CNCx 159-01F	485	40	40	2
CNCx 167-2F	475	40	39	2
Test. LOC.1	450	40	39	2
CNCx 187-22D-1	425	40	41	2
CNCx 11-17E	400	39	40	2
Y	762	40	40	-
F	3,58	2,36	1,97	-
S.V.P	29,5	1,79	3,29	-
ST	159,0	-	-	-
LSI	327,5	-	-	-
r.c./Prod.	1,0	0,03	0,10	-

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INTRODUÇÃO E AVALIAÇÃO DE CULTIVARES DE CAUPI NA PARAÍBA

Responsáveis: JOÃO BOSCO

Data do plantio: \_\_\_/\_\_\_/\_\_\_

Nº de tratamentos = 25      Nº de repetições = 04

TRATAMENTOS	PROD.	F.I.	T.PL.	CSMV	POTY	SAR	EMP.	VAQ.	MAN.	ST.	M.I.	P 100S
CNCx 167-6F	445	45	2	2	-	-	3	3	-	45	68	-
CNCx 11-17D	424	46	2	2	-	-	3	3	-	50	69	-
CNCx 167-43F	417	49	2	2	-	-	3	3	-	49	73	-
CNCx 165-7E	390	46	2	2	-	-	2	3	-	45	68	-
CNCx 153-3F	389	46	1	2	-	-	3	3	-	49	68	-
CNCx 94-1D	378	47	1	2	-	-	3	3	-	48	69	-
CNCx 167-21F	352	48	2	2	-	-	3	3	-	49	73	-
Pitiúba	338	50	2	2	-	-	3	2	-	49	73	-
CNCx 159-01F	327	46	2	2	-	-	3	2	-	47	68	-
CNCx 167-2F	315	51	2	2	-	-	4	3	-	49	74	-
CNCx 167-14F	294	47	1	2	-	-	4	3	-	47	72	-
CNCx 167-13F	269	48	2	2	-	-	3	2	-	48	70	-
CNCx 165-17E	266	46	1	2	-	-	3	3	-	43	67	-
CNCx 151-2F	260	47	1	2	-	-	3	3	-	49	71	-
CNCx 187-22D-1	254	46	2	2	-	-	4	3	-	46	67	-
CNCx 92-4F	241	45	1	2	-	-	4	3	-	45	67	-
CNCx 165-12E	235	47	1	2	-	-	3	2	-	44	68	-
CNC 0434	230	46	1	2	-	-	3	3	-	30	69	-
BR 1-POTY	221	49	2	2	-	-	3	3	-	45	70	-
CNCx 187-22D-2	217	45	1	2	-	-	3	3	-	44	66	-
$\bar{X}$	276	47	2	2	-	-	3	3	-	44	70	-
F	2,11	8,61	-	-	-	-	-	-	-	5,22	4,47	-
C.V.%	51,88	2,74	-	-	-	-	-	-	-	14,88	3,43	-
r c/prod	1,0	-0,32	0,02	-	-	-	-0,07	-0,03	-	0,45	-0,28	-

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CNPAF PNP/Feijao/Caupi Ensaio Avancado 1 - 3 locais Ceara/1985  
 Introducao, avaliacao e utilizacao de germplasma de caupi  
 Responsavel: Paulo Diogenes Barreto  
 No. de Tratamentos = 25 No. de Repeticoes = 04  
 No. de locais = 03 (Missao Velha, Quixada, Pacajus)

Tratamento	Missao Velha	Quixada	Pacajus
Testemunha 1	46	501	607
Testemunha 2	18	325	466
CNC 0434	34	1213	619
BR 1-POTY	61	1185	673
Pitiuba	09	511	509
CNCx 167-43F	10	600	734
CNCx 159-01F	53	563	438
CNCx 153-3F	83	961	890
CNCx 167-2F	09	748	549
CNCx 165-7E	65	816	586
CNCx 167-14F	19	415	775
CNCx 165-12E	110	824	623
CNCx 165-17E	49	738	677
CNCx 11-17D	42	815	835
CNCx 85-6D	116	1152	703
CNCx 167-13F	19	720	848
CNCx 149-26D	127	802	577
CNCx 94-1D	41	842	628
CNCx 187-22D-1	10	301	430
CNCx 151-2F	74	977	584
CNCx 172-01F	00	392	464
CNCx 187-22D-2	62	692	462
CNCx 92-4E	60	517	551
CNCx 167-6F	78	1002	800
CNCx 167-21F	10	589	591
$\bar{x}$	48	728	625
F	5,68	4,19	3,11
C.V.%	62,75	34,91	24,11
rc/Prod.	1,0	1,0	1,0



CNPAF

PNP-FEIJÃO/Caupi

ENSAIO AVANÇADO 1 - Pinheiro-MA/1985

Avaliação e utilização de Germoplasma de Caupi no Estado do Maranhão

Responsáveis: Ubiracy M. Soares/Célia M. S. Pereira

Nº de tratamentos = 25

Nº de repetições = 04

Data do plantio: 03/07/85

TRATAMENTOS	PROD.	F. I.	T. PL.	CSMV	POTY	SAR	FER.	CER.	EMP.	VAQ.	MAN.	ST.	M. I.	P 100S
CNCx 167-43F	392	51	2	1	-	-	1	-	-	4	-	32	79	19
CNCx 92-4F	342	46	2	1	-	-	2	-	-	3	-	27	75	15
CNCx 187-22D-1	340	52	2	1	-	-	1	-	-	3	-	19	75	20
CNCx 165-12E	339	50	2	1	-	-	1	-	-	3	-	37	75	12
CNCx 187-22D-2	311	48	2	1	-	-	1	-	-	3	-	23	75	16
CNCx 172-01F	311	50	2	1	-	-	1	-	-	4	-	38	75	14
CNCx 151-2F	309	50	2	1	-	-	1	-	-	3	-	37	75	17
EMAPA 822	304	51	2	1	-	-	1	-	-	3	-	45	75	19
EMAPA 821	301	52	2	2	-	-	1	-	-	3	-	33	77	11
CNCx 11-170	296	52	2	1	-	-	1	-	-	3	-	28	75	14
CNCx 167-14F	296	52	2	1	-	-	1	-	-	3	-	36	77	16
CNCx 165-7E	293	48	2	1	-	-	1	-	-	4	-	37	75	13
CNCx 167-13F	293	50	2	1	-	-	1	-	-	2	-	16	77	16
CNCx 159-01F	290	51	2	1	-	-	1	-	-	3	-	42	77	12
CNC 0434	288	49	2	1	-	-	1	-	-	4	-	40	75	14
CNCx 165-17E	284	52	2	1	-	-	1	-	-	2	-	30	75	12
BR 1-POTY	284	51	2	1	-	-	1	-	-	4	-	32	75	14
CNCx 167-6F	278	52	2	1	-	-	1	-	-	2	-	23	75	18
CNCx 153-3F	270	49	2	1	-	-	1	-	-	4	-	40	77	15
CNCx 94-1D	266	52	2	1	-	-	1	-	-	3	-	38	79	14
X	290	51	2	1	-	-	1	-	-	3	-	33	76	15
F	0,79	2,36		-	-	-	-	-	-	-	-	3,61	0,97	24,35
C. V. %	30,52	5,79	-	-	-	-	-	-	-	-	-	25,87	3,49	6,83
rc/Prod.	1,0	- 0,22	0,03	0,08	-	-	-	-	-	- 0,3	-	0,30	- 0,15	0,17

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## 2.2 BRAZILIAN ADVANCED TRIAL 3 (ERECT, BROWN-SEEDED).

Results have been tabulated for 5 of the 14 trials sent out. Yield data from Serra Talhada was lost due to grasshopper damage. None of the test lines were resistant to viruses (Poty and CSMV) in either of the inoculated nurseries. Seed size is good for most all test lines but none out-yielded the improved check lines and only five lines had higher yields than the traditional check, 40 Dias.



AVANCED TRIAL 3 1985 FOR FIVE LOCATIONS IN BRAZIL

REAT TEST LINE	PROGENATOR	YIELD IN KG/HA					MEAN	VIRUS		100 SEED WEIGH		
		6:60	1:PB	P:MA	A:MA	B:MA		POTY	CSMV	6:60	P:MA	MEAN
1	TESTIMUNIA 1 LOCAL CHECK	706	514	482	810	444	591	4	5	13	13	13
2	TESTIMUNIA 2 LOCAL CHECK	522	563	494	566	281	486	4	5	12	18	15
3	MANAUS COMMON CHECK	274	887	432	500	424	503	4.5	5	7	12	10
4	40 DIAS COMMON CHECK	597	1232	586	400	335	630	4.5	5	12	14	13
5	CNC 0434 COMMON CHECK	1174	1105	474	518	444	743	3.5	1	15	16	16
6	BR 1-POTY COMMON CHECK	1186	1351	520	645	379	816	2	5	13	16	15
7	CNCX 167-50F SERIDO X CNCX 24-015E	265	598	480	329	333	401	3	5	21	14	18
8	CNCX 167-25E SERIDO X CNCX 24-015E	438	651	395	685	367	507	4	4.5	15	16	16
9	CNCX 167-10F SERIDO X CNCX 24-015E	694	576	478	725	254	545	4	4	21	15	18
10	CNCX 167-12F SERIDO X CNCX 24-015E	960	555	562	673	296	609	3.5	4	17	18	18
11	CNCX 167-48F SERIDO X CNCX 24-015E	283	636	288	850	290	469	3.5	4	19	12	16
12	CNCX 167-11F SERIDO X CNCX 24-015E	792	738	512	515	313	574	4	3	16	19	18
13	CNCX 167-9E SERIDO X CNCX 24-015E	672	864	444	685	316	596	4	5	15	19	17
14	CNCX 164-9F SERIDO X CNCX 50-3E	535	1030	553	630	320	614	4	4	16	17	17
15	CNCX 167-23F SERIDO X CNCX 24-015E	467	713	542	525	283	506	3.5	5	15	16	16
16	CNCX 180-3F ZEBU X CNCX 8-1E	683	1130	489	730	336	674	3.5	4.5	14	15	15
17	CNCX 163-18F SERIDO X EPACE 6	544	1447	619	530	295	687	2.5	5	17	19	18
18	CNCX 167-25F SERIDO X CNCX 24-015E	781	696	483	675	287	584	3	4	19	21	20
19	CNCX 168-2F SERIDO X MACAIBO	648	529	514	685	425	560	3.5	4.5	16	18	17
20	CNCX 164-7F SERIDO X CNCX 50-3E	478	957	531	560	280	561	3	4	17	16	17
21	CNCX 167-52F SERIDO X CNCX 24-015E	958	583	507	450	237	547	3.5	4	18	16	17
22	CNCX 167-18F SERIDO X CNCX 24-015E	345	650	566	470	291	464	3	4	18	21	20
23	CNCX 161-5E SERIDO X CNC 0434	1113	1367	491	570	374	783	3	4	12	16	14
24	CNCX 167-7E SERIDO X CNCX 24-015E	1063	1060	437	693	341	718	4	4	18	19	19
25	CNCX 164-2F SERIDO X CNCX 50-3E	678	1318	462	891	519	775	4	4	16	18	17
MEAN		674	870	493	612	339	598	4	4	16	17	16
F		12.3	6.75	1.03	1.12	2.52						
C.V.		23	27	26.6	42.5	25.6						
SD DIF MEANS		112.	166.	93	2.02	61.2						
LSD		223	332.	186.	4.04	123.						
MSD		424.	632.	354.	700.	233.						

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CNPAF - PNP-FEIJÃO

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

ENSAIO AVANÇADO 3 - Goiânia, GO - 1985

RESPONSÁVEIS: Ricardo José Guazzelli/Earl E. Watt

NE = 22

Nº DE REP. = 4 Nº DE TRATAMENTOS = 25

TRATAMENTO	PROD.	FI	Nº VAG.	T.PL.	VIG.C.	CSMV	POTY	SAR.	OID.	CER.	ST.	M.I.	I.D.	PCPC	COMP. VAG.	SEM./ VAG.	I.D.A.	P.100S	Var. %
BRI-POTY	1186	54	5,8	3	4,0	5	2	6	7	9	40	80	74	54	18	16	70	13	7,0
CNC 0434	1174	53	5,3	3	4,0	1	3,5	1	7	8	38	79	73	44	15	14	72	15	7,2
CNCx 161-5E	1113	51	6,0	3	3,5	4	3	6	5	9	36	77	72	80	17	16	71	12	7,9
CNCx 167-7E	1063	53	4,8	3	3,8	4	4	8	8	8	37	79	74	52	21	15	73	18	5,2
CNCx 167-12F	960	55	4,0	3	4,0	4	3,5	6	7	8	37	81	76	16	19	16	74	17	4,8
CNCx 167-52F	958	56	3,8	4	4,0	4	3,5	7	7	8	35	82	76	09	21	16	74	18	5,0
CNCx 167-11F	792	54	4,5	4	4,0	3	4	7	7	9	39	79	75	30	18	16	73	16	3,8
CNCx 167-28F	781	55	3,8	3	3,8	4	3	8	5	9	37	79	75	44	21	16	74	19	3,7
IT 82D-889(1)	706	36	-	1	2,3	5	-	8	6	8	40	66	69	47	19	12	68	13	5,9
CNCx 167-10F	694	58	3,5	4	4,0	4	4	7	7	8	37	83	71	0	21	13	68	21	3,1
CNCx 180-3F	683	52	3,8	2	3,5	4,5	3,5	8	5	8	44	78	75	85	21	16	73	14	3,4
CNCx 164-2F	678	50	5,0	2	3,3	4	4	8	6	8	38	77	72	87	20	14	71	16	3,8
CNCx 167-9E	672	53	3,3	3	3,5	5	4	8	6	9	46	79	75	75	21	16	75	15	3,2
CNCx 168-2F	648	53	3,8	2	3,0	4,5	3,5	8	6	9	36	79	79	69	17	15	76	16	3,9
40 DIAS	597	52	3,3	2	3,0	5	4,5	9	8	9	42	78	71	89	16	15	73	12	4,1
CNCx 163-18F	544	54	3,5	3	3,3	5	2,5	8	6	9	38	80	73	53	23	15	71	17	2,7
CNCx 164-9F	535	55	2,5	3	3,8	4	4	8	6	9	40	79	76	67	20	16	74	16	2,7
IT 82D-889(2)	522	36	-	1	2,3	5	-	8	7	8	43	66	66	52	18	11	64	12	4,7
CNCx 164-7F	478	55	2,8	3	3,3	4	3	8	6	8	38	80	77	40	23	16	73	17	2,2
CNCx 167-23E	467	53	3,0	3	2,8	5	3,5	8	6	9	42	81	77	61	19	15	74	15	2,4
CNCx 167-25E	438	53	2,8	2	3,3	4,5	4	9	6	8	41	79	81	59	19	15	75	15	2,2
CNCx 167-18F	345	55	2,8	4	2,5	4	3	8	6	9	33	80	81	27	20	15	73	18	1,8
CNCx 167-48F	283	56	2,0	2	3,5	4	3,5	8	8	7	35	81	80	23	21	15	75	19	1,3
MANAUS	274	50	3,8	1	3,0	5	6	4,5	7	8	35	75	71	100	13	13	74	07	4,4
CNCx 167-50F	265	58	1,5	3	3,3	5	3	9	6	9	41	82	75	0	22	15	74	21	1,0
X̄	674	52	3,7	3	3,37	-	-	-	-	-	39	78	74	51	19	15	72	16	3,9
F	12,31	93,38	-	-	-	-	-	-	-	-	1,34	31,62	4,73	10,71	30,57	15,10	2,72	40,66	12,20
C.V.%	23,40	2,09	-	-	-	-	-	-	-	-	14,53	1,88	4,53	33,78	4,39	4,63	4,64	6,32	26,25
rc/Peod.	-	0,00	0,68	0,29	0,47	-	-	-0,63	0,28	0,06	0,05	0,00	-0,14	0,01	-0,15	0,18	-0,06	0,00	0,82

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CNPAF                    PNP-Feijão/Caupi                    Ensaio Avançado-3 Itaporanga-PB/1985

Introdução e Avaliação de Cultivares de Caupi

Responsável: João Bosco

Nº de tratamentos: 25

Nº de repetições: 04

Data do plantio:

TRATAMENTOS	PROD.	F. I.	T. PL.	ST.	M. I.
CNCx 163-18F	1447	42	1	38	70
CNCx 161-5E	1367	42	2	36	71
BR 1-POTY	1351	45	1	29	73
CNCx 164-2F	1318	41	2	34	69
40 DIAS	1232	43	2	37	71
CNCx 180-3F	1130	43	1	44	73
CNC 0434	1105	46	2	26	75
CNCx 167-7E	1060	45	2	35	72
CNCx 164-9E	1030	49	1	39	78
CNCx 164-7E	957	49	2	43	77
MANAUS	887	44	2	33	73
CNCx 167-9E	864	45	2	27	74
CNCx 167-11F	738	45	1	32	74
CNCx 167-23E	713	46	1	37	75
CNCx 167-25F	696	46	1	34	73
CNCx 167-25E	651	42	1	39	70
CNCx 167-18F	650	46	1	28	76
CNCx 167-48F	636	45	1	37	73
CNCx 167-50F	598	48	1	33	76
CNCx 167-52F	583	49	1	37	77
CNCx 167-10F	576	46	1	34	74
Test. Local 2	563	45	1	29	73
CNCx 167-12F	555	48	1	37	76
CNCx 168-2F	529	46	1	36	74
Test. Local 1	514	50	1	29	78
X	870	45	1	34	74
F	6,75	15,94	-	1,90	6,59
C.V. %	27,02	2,67	-	19,54	2,55
r c/prod.	1,0	-0,41	0,43	0,18	-0,34

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CNPAF

PNP-FEIJAO/Caupi

ENSAIO AVANÇADO 3 - PINHEIRO-MA/1985

Avaliação e utilização de Germoplasma de Caupi no Estado do Maranhão

Responsáveis: Ubiracy M. Soares/Célia M. S. Pereira

Data do plantio 03 /07 /85

Nº de tratamento = 25

Nº de repetições = 04

TRATAMENTOS	PROD.	F. I.	I. PL.	CSMV	POTY	SAR	EMP.	VAQ.	MAN.	ST.	M. I.	P. I.
CNCx 163-18F	619	53	-	-	-	-	-	3	-	41	77	19
40 DIAS	586	55	-	-	-	-	-	3	-	36	80	14
CNCx 167-18F	566	55	-	-	-	-	-	3	-	41	80	21
CNCx 167-12F	562	58	-	-	-	-	-	4	-	39	82	18
CNCx 164-9F	553	53	-	-	-	-	-	3	-	38	77	17
CNCx 167-23E	542	53	-	-	-	-	-	3	-	36	79	16
CNCx 164-7F	531	54	-	-	-	-	-	3	-	32	78	16
BR 1-POTY	520	58	-	-	-	-	-	3	-	41	76	16
CNCx 168-2F	514	51	-	-	-	-	-	3	-	40	75	18
CNCx 167-11F	512	54	-	-	-	-	-	3	-	39	80	19
CNCx 167-52F	507	55	-	-	-	-	-	3	-	41	80	16
EMAPA 822	494	56	-	-	-	-	-	3	-	38	80	18
CNCx 161-5E	491	51	-	-	-	-	-	3	-	38	77	16
CNCx 180-3F	489	54	-	-	-	-	-	3	-	31	77	15
CNCx 167-28F	483	57	-	-	-	-	-	3	-	34	82	21
EMAPA 821	482	53	-	-	-	-	-	3	-	43	77	13
CNCx 167-50F	480	53	-	-	-	-	-	2	-	32	74	14
CNCx 167-10F	478	55	-	-	-	-	-	4	-	36	79	15
CNC 0434	474	54	-	-	-	-	-	4	-	25	79	16
CNCx 164-2F	462	53	-	-	-	-	-	4	-	41	79	18
X	493	54	-	-	-	-	-	3	-	37	79	17
F	1,03	2,31	-	-	-	-	-	-	-	1,12	2,24	7,99
C.V.%	26,67	4,93	-	-	-	-	-	-	-	22,33	4,09	10,36
rc/Prod.	1,0	-0,32	-	-	-	-	-	0,08	-	0,12	-0,38	0,20

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CORAF

PNP-FEIJÃO/Çaupí

ENSAIO AVANÇADO 3 - ALTO TURI-MA/1985

Av. Lagoa e utilização de Cormoplasma de Çaupí no Estado do Maranhão

Responsáveis: Iranilde Sã de Souza/Ubiracy M. Soares

Data do plantio: 16 / 06 / 85

Nº de tratamentos = 25

Nº de repetições = 04

TRATAMENTOS	PROD.	F. I.	T. PL.	CSMV	POTY	SAR	EMP.	VAQ.	MAN.	ST.	M. I.	P 100S
CNCx 164-2F	891	46	4	1	-	-	-	1	-	63	68	-
CNCx 167-48F	850	49	4	1	-	-	-	2	-	51	69	-
EMAPA 822	810	46	3	1	-	-	-	2	-	54	68	-
CNCx 180-3F	730	45	3	2	-	-	-	2	-	59	66	-
CNCx 167-10F	725	48	3	1	-	-	-	2	-	49	68	-
CNCx 167-7E	693	45	3	1	-	-	-	2	-	61	69	-
CNCx 167-25E	685	47	3	1	-	-	-	2	-	54	71	-
CNCx 167-9E	685	47	4	1	-	-	-	2	-	51	66	-
CNCx 168-2F	685	44	3	1	-	-	-	2	-	67	69	-
CNCx 167-28F	675	48	3	1	-	-	-	2	-	55	71	-
CNCx 167-12F	673	48	3	1	-	-	-	2	-	47	66	-
BR 1 -POTY	645	48	3	1	-	-	-	2	-	50	71	-
CNCx 164-9F	630	48	4	1	-	-	-	2	-	59	69	-
CNCx 161-5E	570	47	4	1	-	-	-	1	-	64	68	-
EMAPA 821	566	48	3	1	-	-	-	2	-	50	72	-
CNCx 164-7F	560	47	3	1	-	-	-	2	-	59	68	-
CNCx 163-18F	530	48	3	1	-	-	-	2	-	56	68	-
CNCx 167-23E	525	49	3	1	-	-	-	2	-	53	71	-
CNC 0434	518	48	4	1	-	-	-	1	-	45	68	-
CNCx 167-11F	515	46	3	1	-	-	-	2	-	63	71	-
X	612	47	3	1	-	-	-	2	-	55	69	-
F	1,12	1,01	-	-	-	-	-	-	-	0,89	1,39	-
C. V. %	42,48	5,25	-	-	-	-	-	-	-	22,78	4,17	-
rc/Prod.	1,0	- 0,00	0,07	0,24	-	-	-	-	-	0,19	- 0,28	-



CNPq PNP-FEIJAO/Caupi

ENSAIO AVANÇADO 3 - BACABAL-MA/1985

Avaliação e utilização de Germoplasma de Caupi no Estado do Maranhão

Responsáveis: Ubiracy M. Soares/Jonas M. Albuquerque

Data do plantio: 05/06/85

Nº de tratamentos = 25

Nº de repetições = 04

T.R.T.A.M.E.N.T.O.S	PROD.	F.I.	T.PL.	CSMV	POTY	SAR	EMP.	VAQ.	MAN.	ST.	M.I.	P 100S
CNCx 164-2F	519	40	2	1	-	-	-	3	-	57	76	-
EMAPA 821	444	44	2	1	-	-	-	3	-	47	76	-
CNC 0434	444	44	2	1	-	-	-	4	-	40	76	-
CNCx 168-2F	425	42	2	1	-	-	-	3	-	60	76	-
MANAUS	424	42	2	2	-	-	-	3	-	47	76	-
BR 1 -POTY	379	46	2	2	-	-	-	3	-	55	76	-
CNCx 161-5E	374	42	2	1	-	-	-	4	-	50	76	-
CNCx 167-25E	367	46	2	1	-	-	-	4	-	65	76	-
CNCx 167-7E	341	46	2	2	-	-	-	3	-	49	76	-
CNCx 180-3F	336	43	2	2	-	-	-	4	-	52	76	-
40 DIAS	335	38	2	1	-	-	-	3	-	74	76	-
CNCx 167-50F	333	47	2	2	-	-	-	4	-	45	76	-
CNCx 164-9F	320	44	2	2	-	-	-	4	-	73	76	-
CNCx 167-9E	316	44	2	1	-	-	-	4	-	57	76	-
CNCx 167-11F	313	43	1	1	-	-	-	4	-	66	76	-
CNCx 167-12F	296	46	2	2	-	-	-	3	-	55	76	-
CNCx 163-18F	295	44	2	1	-	-	-	3	-	59	76	-
CNCx 167-18F	291	47	1	2	-	-	-	4	-	62	76	-
CNCx 167-48F	290	48	1	2	-	-	-	4	-	48	76	-
CNCx 167-28F	287	48	1	1	-	-	-	4	-	41	76	-
X	338	44	2	1	-	-	-	3	-	56	76	-
F	2,52	12,53	-	-	-	-	-	-	-	2,09	-	-
C.V.%	25,61	3,15	-	-	-	-	-	-	-	24,74	0,0	-
rc/Prod.	1,0	- 0,35	0,3	-0,16	-	-	-	- 0,25	-	- 0,23	0,0	-



CNPAF PNP-FEIJÃO/CAUPI ENSAIO AVANÇADO 3 - SERRA TALHADA-PE/1985

Obtenção de Linhagens de Caupi Adaptadas a Região Semi-árida de Pernambuco

Responsável: Luiz Rodrigues de Oliveira

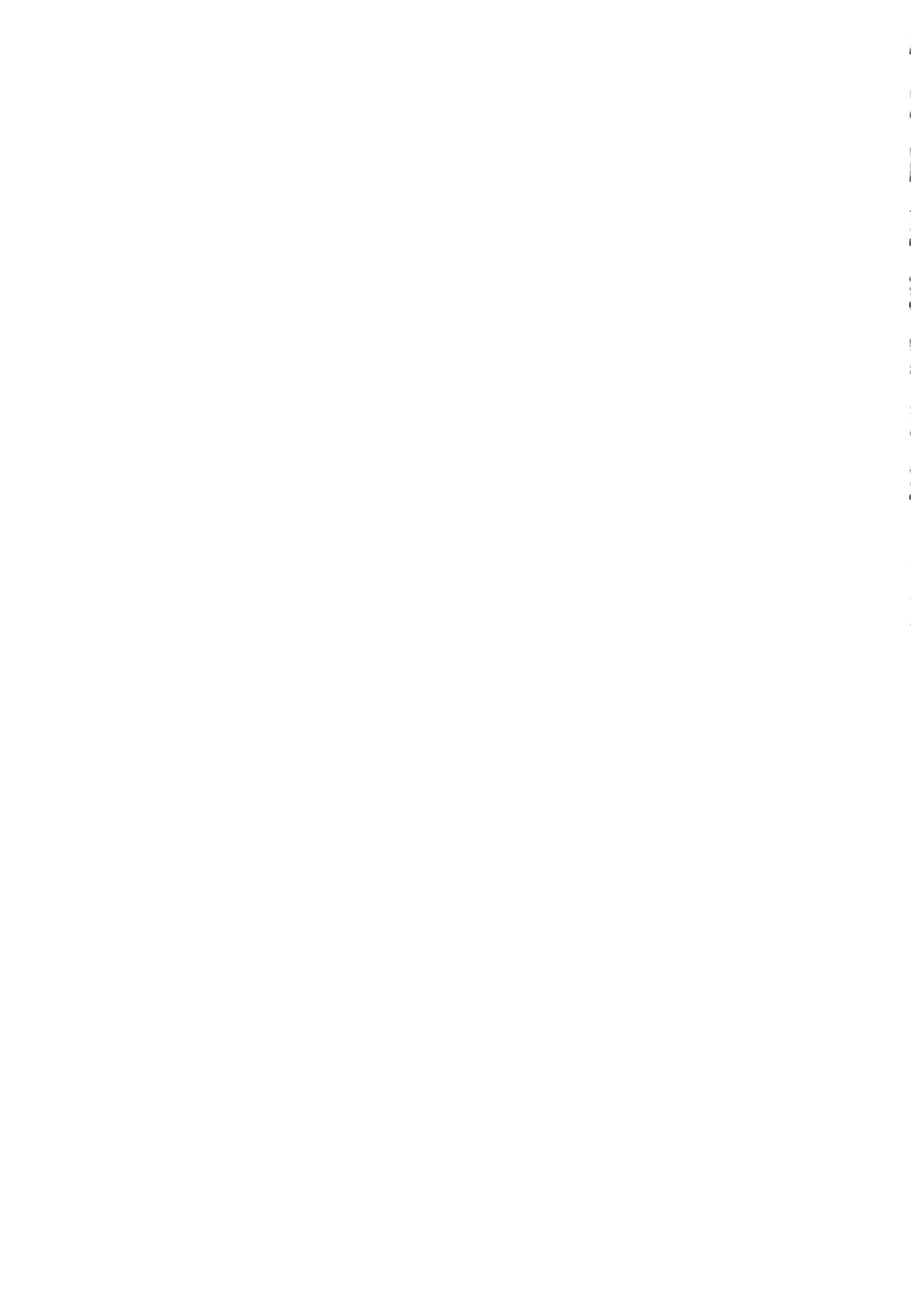
Gafanhoto: Nota 5

Nº de tratamentos: 25

Nº de repetições: 04

Outras pragas e doenças: Nota 1

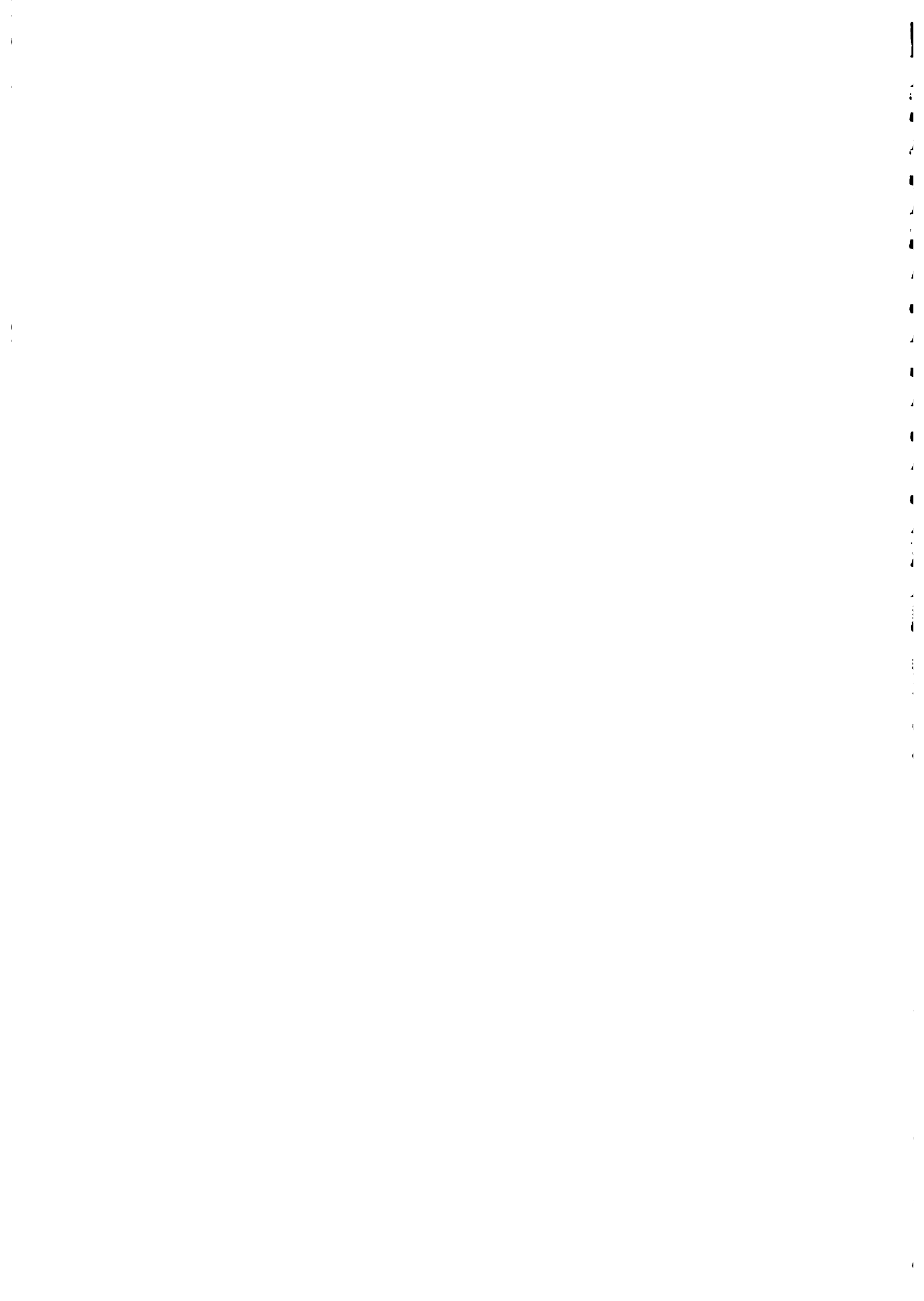
TRATAMENTOS	F. I.	ST.	T. P1.
Test.Local 1	35	96	2
Test. Local 2	36	90	2
MANAUS	36	86	1
40 DIAS	36	80	2
CNC 0434	40	79	2
BR 1-POTY	40	86	1
CNCx 167-50F	43	91	1
CNCx 167-25E	42	91	1
CNCx 167-10F	43	88	1
CNCx 167-12F	43	83	2
CNCx 167-48F	43	61	1
CNCx 167-11F	42	86	2
CNCx 167-9E	42	91	2
CNCx 164-9F	40	92	2
CNCx 167-23F	42	90	1
CNCx 180-3F	40	85	1
CNCx 163-18F	41	83	1
CNCx 167-25F	42	84	1
CNCx 168-2F	40	92	2
CNCx 164-7F	42	77	1
CNCx 167-52F	42	88	1
CNCx 167-18F	42	84	1
CNCx 161-5E	40	79	1
CNCx 167-7E	43	81	1
CNCx 164-2F	38	80	2
X	40	85	-
F	10,23	2,06	-
C.V. %	3,86	11,54	-
r c/prod.	-	-	-





APPENDIX, SECTION 3.3.1 BRAZILIAN REGIONAL TRIAL 1 (PROSTRATE, BROWN-SEEDED).

Results have been tabulated for 6 of the 12 trials sent out. This trial is one of the most important trials as it represents 80% of the cowpea grown in Brazil (prostrate plant habit and brown seed larger than 15g/100 seeds). The traditional check, "Serido," yielded less than the trial mean while CNCx 166-8G was high yielding at all locations except Goiania and had tolerance to both viruses and seed size equal to that of Serido. It is of note that this same line was tested in 7 locations in Ceara State and was the second highest yielding, being out-yielded by CNCx 189-2G which was eliminated from the regional trial due to its high susceptibility to Cercospora.



## REGIONAL TRIAL 1 1985 FOR SIX LOCATIONS IN BRAZIL

TREAT LINE	YIELD IN KG PER HA						MEAN	VIRUS		100 SEED WEIGHT		
	G:GO	A:GO	J:MG	ST:PE	AL:PB	AT:MA		POTY	SEVERO	GO	A:GO	MEAN
1 CNC 0434	604	668	897	619	472	354	602	3.5	1	16	19	18
2 BR 1-POTY	573	483	860	998	606	578	683	2	5	14	18	16
3 SERIDO	436	778	923	630	674	141	597	3	4	21	25	23
4 CNCX 105-18E	647	498	724	780	528	501	613	1	4	16	16	16
5 CNCX 105-12E	527	485	886	651	608	493	608	3.5	3.5	16	19	18
6 CNCX 158-09G	555	453	727	628	591	523	580	4.5	4	18	19	19
7 CNCX 160-01G	638	428	879	588	576	570	613	4	4	19	18	19
8 CNCX 189-05G	691	400	464	956	551	435	583	1.5	4	16	20	18
9 CNCX 158-01G	596	660	891	926	595	473	690	4.5	4	13	17	15
10 CNCX 166-08G	612	788	1114	802	730	629	779	3.5	3	21	26	24
11 CNCX 149-09G	602	580	992	745	730	510	693	4.5	3.5	18	22	20
12 CHECK LINE	828	393	551	407	398	315	482	4	4	15	17	16
MEAN	609	551	826	727	588	460	627			17	20	18
F	1.7	3.16	12.5	3.05	.91	2.24						
C.V. %	24	28.8	12.5	27.3	34.5	39.02						
SD DIF OF MEA	102.6	112	72.74	140.7	144	126.9						
LSD	209.6	220.7	143.3	277.1	283.7	250.1						
MSD	360.4	393.4	255.4	493.9	505.6	445.7						



CMPAF - FMT FELJÃO

DESENVOLVIMENTO DE CERMOLASMA DE CAUPI

RESPONSÁVELS: Ricardo José Gubzellini/Dr. E. Watt

Nº DE REP. = 4

Nº DE TRATAMENTOS = 12

ENSAIO REGIONAL 1 - Goiânia, GO - 1985

NE: 18

TREATAMENTO	FI	MO,VAG	T.PL.	VIG.C.	CSIV	INTY	SAP.	IN.	GR.	SC.	VAL.	I.D.	NTIC	TEMP. VAG.	MO,VAG	I.D.A.	P.100S	VAG.	PK.
CNCx 24-01SE	58	5,5	4	5,8	-	-	6	7	8	26	87	75	92	20	16	78	15	10,4	828
CNCx 189-05G	54	5,8	4	4,0	4	-	7	6	9	23	80	71	96	19	17	74	16	9,9	691
CNCx 104-18E	53	5,0	4	4,5	4	-	6	7	8	30	84	72	99	17	15	74	16	7,7	647
CNCx 160-01G	56	4,3	4	5,3	4	-	6	7	7	22	88	70	82	19	14	72	19	9,4	638
CNCx 166-08C	55	6,3	4	5,8	3	-	7	6	6	38	83	72	94	23	15	74	21	5,5	613
CNC 0434	57	6,0	4	5,8	1	-	7	8	8	22	86	67	94	17	15	71	16	10,4	604
CNCx 149-09G	56	6,3	4	5,3	3,5	-	5	8	7	30	84	72	96	21	16	74	18	6,1	602
CNCx 158-01G	55	5,3	4	5,3	4	-	7	7	7	24	83	70	93	17	16	71	13	10,8	596
BRI-POTY	55	5,0	4	4,8	5	-	7	7	7	21	85	77	95	19	16	74	14	10,3	573
CNCx 158-09G	58	4,8	4	5,0	4	-	7	6	6	24	87	70	96	21	15	73	18	8,3	555
CNCx 105-12E	57	5,5	4	5,0	3,5	-	6	7	7	31	84	69	95	20	15	71	16	5,8	527
SERIDÓ	65	3,3	4	5,8	4	-	7	5	4	22	91	73	47	24	16	74	21	4,8	435
X	57	5,2	4,0	5,16	-	-	-	-	-	26	85	72	90	20	15	73	17	8,3	609
F	25,74	-	-	-	-	-	-	-	-	1,68	16,89	2,90	5,96	35,7	1,36	13,35	8,02	3,04	1,70
C.V.Z	2,12	-	-	-	-	-	-	-	-	29,69	1,72	4,41	12,47	3,56	7,66	1,44	10,54	31,43	23,83
rc/Prod.	-0,28	0,37	0,00	0,22	-	-	0,11	0,00	0,25	0,11	-0,12	0,12	0,18	-0,14	0,07	0,28	-0,08	0,50	-

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## ENSAIO REGIONAL 1 - Araguaína-Go., - 1985

CNPAF - PNP-Feijão/Caupi

Introdução, Avaliação e Utilização de Germoplasma de Caupi no Norte de Goiás

Responsável: Joaquim Carneiro Dias

Nº de Tratamento: 12

Nº de Repetições = 04

Data de Plantio: \_\_\_/\_\_\_/\_\_\_

Tratamento	Prod.	F.I.	St.	MI.	SEM/VAG.	P <sub>100S</sub>	T.pl.	Comp.Vag.
CNCx 166-08G	788	54	35	82	14	26	1	23
Seridô	778	56	36	87	14	25	1	22
CNC 0434	668	44	38	71	15	19	2	17
CNCx 158-01G	660	45	35	74	15	17	2	17
CNCx 149-09G	580	49	36	75	15	22	2	21
CNCx 105-18E	498	47	36	74	13	16	2	16
CNCx 105-12E	485	50	34	75	13	19	2	19
BR 1-POTY	483	49	35	71	15	18	2	19
CNCx 158-09G	453	46	34	74	14	19	2	19
CNCx 160-01G	428	46	37	75	12	16	2	18
CNCx 189-05G	400	44	34	69	15	20	2	17
Testemunha	393	53	31	80	15	17	2	19
$\bar{x}$	551	48	35	75	14	19	-	19
F	3,16	16,99	0,89	13,18	2,23	8,89	-	14,04
c.v.%	28,8	3,90	10,66	3,81	10,02	11,27	-	6,09
r c/Prod.	1,0	-0,05	0,40	0,07	0,21	0,47	-	0,33

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CNPq

PNP-Feijão/Caupi

Eunício Regional 1 - Janaúba-MG/1985

Data do plantio: 29/03/85

Tipo da planta: 1

Responsável: Jorge Kakida

Nº de repetições: 04

Nº de tratamentos: 12

TRATAMENTOS	PROP.	F.I.	F.PL	CSM*	POD	SAR.	OD.	ERP.	VAC.	FIN.	ELASMO	ST.	M.I.	P. IONES
CNCx 166-08G	1114	53	-	2	-	-	-	3	3	-	-	80	-	-
CNCx 149-09G	992	55	-	2	-	-	-	4	3	-	-	80	-	-
SERIDÓ	923	56	-	2	-	-	-	4	3	-	-	80	-	-
CNC 0434	897	54	-	1	-	-	-	4	2	-	-	80	-	-
CNCx 158-01G	891	52	-	1	-	-	-	3	3	-	-	80	-	-
CNCx 105-12E	886	48	-	1	-	-	-	3	3	-	-	80	-	-
CNCx 160-01G	879	51	-	2	-	-	-	4	3	-	-	80	-	-
BR. 1-POTY	860	49	-	2	-	-	-	2	2	-	-	80	-	-
CNCx 158-09G	727	50	-	2	-	-	-	4	3	-	-	80	-	-
CNCx 105-18E	724	50	-	2	-	-	-	3	3	-	-	80	-	-
PENDANGA (Test. L)	551	49	-	2	-	-	-	3	2	-	-	80	-	-
CNCx 189-05G	464	50	-	2	-	-	-	3	2	-	-	80	-	-
$\bar{X}$	826	51	-	2	-	-	-	3	2	-	-	80	-	-
F	12,5	55,43	-	-	-	-	-	-	-	-	-	1,15	-	-
C.V. %	12,5	1,31	-	-	-	-	-	-	-	-	-	0,47	-	-
r c/prod.	1,0	0,52	-	0,08	-	-	-	0,11	0,15	-	-	-0,17	-	-

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CNPAF PNP-FEIJÃO /CAUPI ENSAIO REGIONAL 1 - SERRA TALHADA-PE - 1985  
 INTRODUÇÃO E AVALIAÇÃO DE GEMOPLASMA MELHORADOS DE CAUPI Data de plantio: 12.02.85  
 RESPONSÁVEL: Eduardo Henrique de A. Maranhão Local 4 - PE  
 Nº DE TRATAMENTOS: 12 Nº DE REPETIÇÕES: 04 Nota de viroses = 1  
 Nota de pragas = 2

TRATAMENTOS	Prod.	St.I.	St.F.	F.I.	F.M.	Comp.vag.	Nº G/vag.	P100s	I.D.
BR 1-POTY	998	43	41	40	46	18	16	13	75
CNCx 189-05G	956	43	40	40	49	17	17	13	72
CNCx 158-01G	926	44	40	40	49	16	17	12	69
CNCx 166-08G	802	43	40	40	49	20	15	16	72
CNCx 105-18E	780	42	39	40	49	15	15	13	70
CNCx 149-09G	745	41	38	39	49	20	15	15	68
CNCx 105-12E	651	44	40	40	49	17	14	14	63
SERIDÓ	630	42	39	39	49	22	15	16	68
CNCx 158-09G	628	42	40	39	49	20	16	15	70
CNC 0434	619	41	39	40	49	15	14	14	67
CNCx 160-01G	588	43	41	40	48	17	14	15	69
TEST. LOCAL	407	43	40	40	49	24	14	19	69
X	727	43	40	39	48	18	15	14	69
F	3,05	0,79	0,54	1,05	1,02	28,39	3,62	8,12	6,17
C.V. %	27,03	4,91	5,07	1,61	3,05	5,44	6,57	9,76	3,53
r c/prod.	1,0	0,18	0,03	-0,06	-0,20	-0,22	0,55	-0,39	0,50



INTRODUÇÃO E AVALIAÇÃO DE CULTIVARES DE CAUPI NA PARAÍBA

Responsáveis: JOÃO BOSCO

Data do plantio: \_\_\_/\_\_\_/\_\_\_

Nº de tratamentos = 12 Nº de repetições = 04

TRATAMENTOS	PROD.	F.I.	T.PL.	CSMV	POTY	SAR	EMP.	VAQ.	MAN.	ST.	M.I.	P 100S
CNCx 149-09G	730	44	1	2	-	-	2	2	-	41	62	-
CNCx 166-08G	730	47	2	2	-	-	2	2	-	41	63	-
SERIDÓ	674	50	2	3	-	-	3	3	-	42	72	-
CNCx 105-12E	608	44	1	2	-	-	2	2	-	41	62	-
BR 1-POTY	606	44	2	3	-	-	3	3	-	42	62	-
CNCx 158-01G	595	44	2	2	-	-	2	2	-	44	62	-
CNCx 158-09G	591	44	1	3	-	-	2	2	-	43	62	-
CNCx 160-01G	576	44	1	2	-	-	2	2	-	42	61	-
CNCx 189-05G	551	43	2	2	-	-	2	2	-	43	61	-
CNCx 10'-18E	674	46	1	3	-	-	2	2	-	43	64	-
CNC 0434	472	44	2	2	-	-	2	2	-	42	61	-
Test. local	398	45	2	3	-	-	2	2	-	38	62	-
$\bar{X}$	588	45	2	3	-	-	2	2	-	42	63	-
F	0,91	11,48	-	-	-	-	-	-	-	1,38	27,12	-
C.V.%	34,5	2,66	-	-	-	-	-	-	-	5,88	1,90	-
r c/prod.	1,0	-0,03	0,07	0,20	-	-	-0,19	-0,19	-	0,18	0,06	-



avaliação e utilização de Germoplasma de Caupi no Estado do Maranhão

Investigador: Iranilde S. De Sousa/Ubiracy M. Soares

Data do plantio: 18/06/85

Nº de tratamentos = 12

Nº de repetições = 04

T.RATAMENTOS	PROD.	F. I.	T. PL.	CSMV	POTY	SAR	EMP.	VAQ.	MAN.	ST.	M. I.	P 100S
CNCx 166-08G	629	55	1	1	-	-	-	1	-	27	71	-
BR 1 - POTY	578	50	3	1	-	-	-	2	-	33	68	-
CNCx 160-01G	570	47	2	1	-	-	-	2	-	41	70	-
CNCx 158-09G	523	50	1	2	-	-	-	2	-	27	68	-
CNCx 149-09G	510	50	2	1	-	-	-	2	-	32	68	-
CNCx 105-18E	501	48	2	2	-	-	-	2	-	33	70	-
CNCx 105-12E	493	50	2	1	-	-	-	2	-	30	70	-
CNCx 158-01G	473	49	1	1	-	-	-	2	-	37	65	-
CNCx 189-05G	435	49	2	1	-	-	-	2	-	20	66	-
CNC 0434	354	52	4	1	-	-	-	2	-	18	68	-
EMAPA 821	315	56	3	1	-	-	-	2	-	18	65	-
SERIDÓ	141	52	4	1	-	-	-	2	-	28	70	-
X	460	51	2	1	-	-	-	2	-	28	68	-
F	2,24	1,26	-	-	-	-	-	-	-	1,89	11,19	-
C.V.%	39,02	9,10	-	-	-	-	-	-	-	37,74	1,75	-
rc/Prod.	1,0	- 0,36	-0,40	-	-	-	-	0,15	-	0,64	0,04	-

EEW/amat.





### 3.2 BRAZILIAN REGIONAL TRIAL 3 (ERECT, BROWN-SEEDED).

Results have been tabulated for only 6 of the 20 trials sent out. This trial is sent in response to requests for erect cowpea lines, often from a curious farmer or cooperative which usually does not return results thus it is expected to have low returns. The three high yielding lines CNCx's 105-22E, 105-8F, and 149-01G have little tolerance to virus, but good seed size and color, especially CNCx 149-01G which is a light cream seed with a slight green tinge like "Sempre Verde".



TRAT LINHA	YIELD IN					KG/HA				VIRUS		100 SEED WEIGH		
	G:60	A:60	J:MG	ST:PE	IT:PB	PN:MA	NEAN	POTY	CSMV	60:60	A:60	PE:MA	MEAN	
1 TESTIMUNIA 1	731	930	478	842	549	248	630	4	5	12	16	13	14	
2 TESTIMUNIA 2	639	842	262	845	459	434	580	4	5	12	18	17	16	
3 BR 1-POTY	857	900	220	658	1380	369	731	2	5	14	18	14	15	
4 CNC 0434	968	990	340	690	1414	193	766	3.5	1	14	20	15	16	
5 40 DIAS	393	505	301	715	2035	307	709	4.5	4	12	17	14	14	
6 CNCX 105-22E	720	950	734	733	1566	427	855	3.5	5	18	22	17	19	
7 CNCX 112-01E	573	833	388	810	1167	419	698	3.5	4	13	18	15	15	
8 CNCX 105-BF	790	828	613	950	1865	490	922	3.5	4	13	16	14	14	
9 CNCX 177-026	674	1038	494	513	723	322	627	4	4	13	18	13	15	
10 CNCX 176-036	738	853	321	548	1198	473	689	4	5	17	19	16	17	
11 CNCX 159-036	486	773	198	315	1535	310	603	4.5	5	16	20	16	17	
12 CNCX 149-016	808	850	714	870	1512	382	856	3	4	15	20	16	17	
MEDIA 12 LINH	698	858	422	710	1283	364	722							
F	7.5	1.43	35.00	2.55	7.1	2.73								
C.V.	17	26.25	14.8	32.1	28.8	30.15								
SD DIF OF MEA	82.5	159.14	44.24	201.7	261.7									
LSD	168.5	313.56	87.17	317.9	515.7	152.98								
MSD	298.7	558.84	155.4	566.5	919.1	272.66								

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CNPAF - PNP-FEIJÃO

DESENVOLVIMENTO DE GERMOPLASMA DE CAUPI

RESPONSÁVEIS: Ricardo José Guazzelli/Earl E. Watt

Nº DE REP. = 4 Nº DE TRATAMENTOS = 12

ENSAIO REGIONAL 3 - Goiânia, GO - 1985

NE = 19

TRATAMENTO	PROD.	PI	Nº VAG.	T.PL.	VIG.C.	CSMV	POTY	SAR..	OID.	CER.	ST.	M.I.	I.D.	PCPC	COMP. VAG.	SEM./ VAG.	I.D.A.	P.100S	VAG. PL.
CNC 0434	968	53	7,0	3	7,0	1	3,5	1	7	8	-	80	68	0	16	13	72	14	6,8
BRI-POTY	857	56	5,8	3	6,5	5	2	7	8	8	-	81	70	0	17	14	75	13	4,7
CNCx 149-01G 808	50	50	6,0	3	6,5	4	3	8	6	8	-	78	70	0	19	15	73	15	4,9
CNCx 105-8F 790	53	53	5,3	3	6,3	4	3,5	8	7	8	-	76	69	38	16	14	68	13	4,9
CNCx 176-03G 737	55	55	4,3	3	6,8	5	4	7	3	8	-	82	67	0	19	13	72	17	3,9
IT82D-889(1) 731	36	36	6,0	2	4,0	-	-	9	8	9	-	67	65	85	21	13	63	12	3,9
CNCx 105-22E 720	54	54	4,5	3	6,0	5	3,5	8	6	8	-	81	70	0	20	14	74	18	3,7
CNCx 177-02G 673	51	51	4,8	3	6,5	4	4	8	7	7	-	82	70	0	17	14	72	13	4,1
IT 82D-889(2) 639	36	36	5,8	2	4,0	-	-	9	8	9	-	67	66	88	21	13	63	12	3,6
CNCx 112-01F 573	56	56	4,3	3	7,3	4	3,5	8	4	8	-	83	65	0	16	13	68	13	4,2
CNCx 159-03G 486	56	56	3,5	3	6,5	5	4,5	8	3	8	-	84	67	0	20	13	72	16	2,5
40 DIAS	393	51	3,3	3	4,8	5	4,5	9	8	8	-	75	71	24	15	12	70	12	2,6
$\bar{X}$	698	50	5,0	3	6,0	-	-	-	-	-	-	78	68	20	18	13	70	14	4,1
F	7,46	270,66	-	-	-	-	-	-	-	-	-	48,34	2,23	28,57	13,83	2,74	16,29	16,44	3,38
C.V.%	16,72	1,72	-	-	-	-	-	-	-	-	-	2,14	4,10	64,02	6,02	7,37	2,77	6,99	27,58
rc/Prod.	-	0,03	0,57	0,20	0,28	-	-	-0,48	0,00	0,15	-	0,06	0,04	-0,22	-0,04	0,08	0,26	0,11	0,84

EEW/amat.  
nov./85.



## ENSAIO REGIONAL 3 - Araguaína-Go., - 1985

CNPAF - PNP-Feijão/Caupi

Introdução, Avaliação e Utilização de Germoplasma de Caupi no Norte de Goiás

Responsável: Joaquim Carneiro Dias

Nº de Tratamentos=12

Nº de Repetições=04

Data de Plantio: \_\_\_/\_\_\_/\_\_\_

Tratamentos	Prod.	F <sub>3</sub>	St.	M.I.	SEM/VAG.	P <sub>100S</sub>	COMP.VAG.	T.pl.
CNCx 177-02G	1038	44	65	75	14	18	17	1
CNC 0434	990	45	61	71	15	20	17	2
CNCx 105-22E	950	46	62	70	15	22	20	2
Testemunha 1	930	50	60	75	15	16	19	1
BR1-POTY	900	47	55	71	16	18	19	1
CNCx 176-03G	853	44	75	72	14	19	20	2
CNCx 149-01G	850	44	56	71	13	20	22	2
Testemunha 2	842	47	53	74	15	18	18	2
CNCx 112-01E	833	46	68	73	14	18	17	2
CNCx 105-8F	828	44	63	66	15	16	17	2
CNCx 159-03G	773	44	71	72	14	20	19	2
40 DIAS	505	44	54	66	12	17	15	2
$\bar{X}$	858	45	62	71	14	18	18	-
F.	1,43	14,42	3,40	10,18	3,68	8,28	8,17	-
c.v.%	26,25	2,14	11,96	2,65	8,31	6,42	7,14	-
r c/Prod.	1,0	0,03	0,28	0,21	0,41	0,27	0,16	-

*Phenol 11,67*





CNPAF PNP-FEIJÃO/CAUPI ENSAIO REGIONAL 3 - JANAÚBA-MG/1985  
 RESPONSÁVEL: Jorge Kakida DATA DE PLANTIO: 28/03/85

Nº de tratamentos: 12 Nº de repetições: 04

TRATAMENTO	PROD.	F. I.	T. PL.	CSMV	POTY	SAR.	OID.	FUSAR.	MELA	EMP.	VAQ.	MAN..	ST.
CNCx 105-22E	734	46	2	1	-	-	-	-	-	2	2	-	79
CNCx 149-01G	714	49	2	1	-	-	-	-	-	2	2	-	80
CNCx 105-8F	613	49	2	1	-	-	-	-	-	2	2	-	80
CNCx 177-02G	494	51	2	2	-	-	-	-	-	4	3	-	80
CINQUENTINHA (T.L.1)	478	43	2	2	-	-	-	-	-	3	2	-	80
CNCx 112-01F	388	49	2	2	-	-	-	-	-	2	2	-	80
CNC 0434	340	53	2	2	-	-	-	-	-	3	2	-	78
CNCx 176-03G	321	53	1	2	-	-	-	-	-	2	3	-	80
40 DIAS	301	45	2	2	-	-	-	-	-	3	3	-	80
PITIUBA (Test.L.2)	262	49	2	2	-	-	-	-	-	3	3	-	80
BR 1-POTY	220	50	1	2	-	-	-	-	-	2	2	-	80
CNCx 159-03G	198	49	2	2	-	-	-	-	-	2	2	-	79
$\bar{X}$	422	49	2	1	-	-	-	-	-	2	2	-	79
F	35,00	15,03	-	-	-	-	-	-	-	-	-	-	1,69
C.V. %	14,8	3,28	-	-	-	-	-	-	-	-	-	-	1,14
r. c/prod.	1,0	-0,22	0,37	-0,40	-	-	-	-0,12	0,20	-0,10	-0,15	-	-

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## INTRODUÇÃO E AVALIAÇÃO DE GERMOPLASMA MELHORADOS DE CAUPI

RESPONSÁVEL: EDUARDO HENRIQUE DE A. MARANHÃO

Data do plantio: 12/02/85

Nº DE TRATAMENTOS: 12

Nº DE REPETIÇÕES: 04

Local 4-PE

Nota de viroses: 1  
Nota de pragas: 2

Tratamentos	Prod.	St.I.	St.F.	F.I.	F.M.	Comp.vag.	Nº G/vag.	P100s	I.D.
CNCx 105-8F	950	85	82	45	51	16	15	12	70
Test. local 1	842	85	79	36	46	21	14	19	73
CNCx 149-01G	870	84	81	37	48	20	14	15	67
Test. local 2	845	85	82	38	49	19	13	18	71
CNCx 112-01E	810	80	76	39	50	14	14	12	68
CNCx 105-22E	733	82	78	38	48	19	15	16	76
40 DIAS	715	84	80	39	49	14	13	12	70
CNC 0434	690	82	78	40	51	15	15	13	64
BR 1-POTY	658	82	80	39	51	17	15	13	71
CNCx 176-03G	548	87	83	37	49	19	15	14	63
CNCx 177-02G	513	82	79	36	46	17	15	12	61
CNCx 159-03G	315	86	82	38	49	19	14	15	63
X	710	84	80	38	49	17	14	14	68
F	2,55	1,29	1,51	5,77	3,26	23,39	1,33	43,37	6,02
C.V.%	32,1	4,22	4,13	5,20	3,99	5,73	7,80	5,22	5,65
r c/prod.	1,0	-0,02	0,01	0,09	-0,18	0,08	-	-	0,57



## Introdução e Avaliação de Cultivares de Caupi

Responsável: João Bosco

Nº de Tratamentos: 12

Nº de repetições: 04

Data de plantio:

TRATAMENTOS	PROD.	F. I.	T. PL.	ST	MI
40 DIAS	2035	38	2	60	68
CNCx 105-8F	1865	40	1	62	70
CNCx 105-22E	1566	41	1	63	71
CNCx 159-03G	1535	38	1	67	69
CNCx 149-01G	1512	38	2	55	68
CNC 0434	1414	40	2	63	70
BR 1-POTY	1380	38	1	70	68
CNCx 176-03G	1198	39	1	58	69
CNCx 112-01E	1167	39	1	79	69
CNCx 177-02G	723	38	1	57	68
Test. Local 1	549	40	1	61	70
Test. Local 2	459	41	1	63	71
$\bar{X}$	1283	39	1	63	69
F	7,1	10,92	-	0,80	8,06
C.V. %	28,8	2,12	-	22,83	1,34
r c/prod.	1,0	-0,29	0,21	0,06	-0,19



CNPAF - PNP-Feijão/Caupi      Ensaio Regional-3      -      Pinheiro-MA/1985

Avaliação e utilização de Germoplasma de caupi no Estado do Maranhão

Responsáveis: Ubiracy M. Soares/Célia M.S. Pereira

Nº de Tratamentos = 12

Nº de Repetições = 04

Data do Plantio = 04/07/85

Tratamentos	Prod.	F.I.	T.pl.	CSMV	Poty	Sar.	Fer.	Cer.	Emp.	Vaq.	Man.	St.	M.I.	P100s
CNCx 105-8F	490	49	1	-	-	-	-	-	-	3	-	83	74	14
CNCx 176-03G	473	49	2	-	-	-	-	-	-	4	-	102	76	16
EMAPA 822	434	50	1	-	-	-	-	-	-	2	-	74	74	17
CNCx 105-22E	427	50	2	-	-	-	-	-	-	3	-	50	74	17
CNCx 112-01E	419	51	1	-	-	-	-	-	-	3	-	83	76	15
CNCx 149-01G	382	47	2	-	-	-	-	-	-	2	-	75	74	16
BR1-Poty	369	50	2	-	-	-	-	-	-	4	-	75	76	14
CNCx 177-02G	322	50	1	-	-	-	-	-	-	3	-	71	78	13
CNCx 159-03G	310	51	1	-	-	-	-	-	-	2	-	62	76	16
40 Dias	307	50	1	-	-	-	-	-	-	3	-	67	74	14
EMAPA 821	247	53	1	-	-	-	-	-	-	2	-	41	74	13
CNC 0434	193	54	1	-	-	-	-	-	-	3	-	42	79	15
$\bar{X}$	364	50	1	-	-	-	-	-	-	3	-	69	75	15
F	2,73	2.15	-	-	-	-	-	-	-	-	-	2.32	2.18	5.29
c.v.%	30,15	4.99	-	-	-	-	-	-	-	-	-	34.27	3.04	8.61
r c/Prod.	1.0	-0,51	0.01	-	-	-	-	-	-	0.12	-	0.61	-0.28	0.12





### 3.3 BRAZILIAN REGIONAL TRIAL 4 (ERECT, WHITE-SEEDED).

Results have been tabulated for 7 of the 15 trials sent out. Only CNCx 171-012E out-yielded the improved check line CNC 0434 and has similar seed size. Seed size of most entries in the trial is too small for wide acceptance as white-seeded lines are often produced for commercial markets and merchants prefer a seed size of 20g/100 seeds. Also, most of the cowpea consumed as green seed is from white-seeded varieties and a larger seed is desired. This type of trial needs additional work to increase seed size and virus resistance.



## REGIONAL TRIAL 4 1985 FOR SEVEN LOCATIONS IN BRAZIL

REAT TEST LINE	YIELD			IN KG/HA				MEAN	VIRUS					
	G:60	A:60	J:M6	C:PE	M:RN	P:PB	C:CE		G:60	C:PE	A:60	MEAN	POTY	CSMV
1 TESTIMUNIA 1	526	1463	299	942	1292	1675	305	929	12	22	15	16	5	4
2 TESTIMUNIA 2	614	1435	226	117	842	1175	440	693	13	13	18	14	5	4
3 TESTIMUNIA 3	148	1680	397	122	782		443	595	11	14	18	15	3	3
4 40 DIAS	346	653	194	1412	1127	2113	820	952	11	17	17	16	4.5	4
5 CNC 0434	942	1358	202	1479	1216	2145	738	1154	14	19	18	16	3.5	1
6 BR 1-POTY	859	995	386	1449	1278	2155	733	1122	12	17	17	17	2.5	5
7 CNCX 171-07E	582	1130	304	512	743	1055	465	684	13	16	17	15	3.5	2
8 CNCX 171-09E	723	1078	430	758	564	1235	833	803	13	17	17	16	3	2
9 CNCX 171-012E	910	1798	324	1378	993	2055	770	1175	14	17	18	16	4	2
10 CNCX 171-03E	734	1083	408	1204	982	2128	708	1035	14	19	19	18	3.5	1
11 CNCX 172-01E	644	1130	152	1661	1179	2570	805	1163	16	18	18	17	3.5	1
12 CNCX 161-01E	859	988	237	1184	1031	1615	795	958	15	17	18	17	4	1
MEAN	587	1232	296	1020	1002	1811	654	943	13	17	18	16	3.8	2.5
F	13.78	3.65	24.9	16.78	2.47	3.66	2.24							
C.V.	19.5	27.4	12.8	25.5	29.4	28.4	37.9							
SD DIF MEANS	90.5	239.1	26.75	129.9	208.0	363.9	175							
LSD	177.9	470.1	52.60	361.2	424.8	743.1	345							
MSD	317.7	839.7	93.94	645.2	730.4	1265.	616							



CNPJ - PNF-FEIJÃO

DESEMPENHAMENTO DE GENÓTIPOS DE CAUPI

RESPONSÁVEL: Ricardo José Guimarães/Earl E. Watt

Nº DO RLP. = 4 Nº DE TRAJAMENTOS = 12

NE = 20

ENSAIO REGIONAL 4 - Goiânia, GO - 1985

TRAJAMENTO	II	III	IV	VAC. T. PL.	VIG. C.	CSMV	DIAS	SEB.	DE.	CFR.	ST.	M.I.	I.D.	NFC	COMP. VAG.	SEM. VAG.	J.O.A. P.P.P	VAG. PL.	
CNC 0434	55	7,0	3	6,5	1	-	3,5	1	6	8	86	83	66	0	16	13	71	14	5,3
CNCx 171-01ZE	56	6,5	3	7,7	2	-	4,0	1	6	8	74	85	67	0	16	14	71	14	5,2
BRI POTY	56	4,3	3	5,5	5	-	2,5	7	7	93	84	71	71	0	18	15	75	12	4,3
CNCx 161-01E	54	6,8	3	6,0	1	-	4,0	1	8	9	83	82	64	0	16	14	71	14	5,0
CNCx 171-03E	57	6,3	3	6,8	1	-	3,5	1	8	9	84	84	64	0	16	13	69	14	4,8
CNCx 171-09E	57	5,3	3	7,0	2	-	3,0	1	7	9	91	84	72	0	15	12	67	13	4,1
CNCx 172-01E	56	4,5	3	5,5	1	-	3,5	6	7	9	73	84	75	0	17	15	77	14	3,3
IT 82D-889(2)	37	5,3	2	4,0	-	-	-	9	8	8	85	68	66	79	20	12	61	13	3,7
CNCx 171-07E	57	5,8	3	6,3	2	-	3,5	1	5	7	77	85	63	0	15	13	68	13	4,3
ITEED-889(1)	37	4,5	2	4,0	-	-	-	9	7	8	90	69	64	71	20	12	63	12	3,3
40 DIAS	52	3,0	2	4,5	4	-	4,5	9	8	8	81	76	70	15	16	14	69	11	2,5
VITA-6	56	3,8	2	4,0	-	-	-	8	6	8	60	79	70	0	14	13	74	11	1,5
$\bar{X}$	52	5,2	3	5,59	-	-	-	-	-	-	81	80	68	14	17	13	69	13	3,9
F	414,58	-	-	-	-	-	-	-	-	-	0,96	92,79	2,01	118	26,67	2,96	7,66	6,31	3,53
CVZ	1,39	-	-	-	-	-	-	-	-	-	23,01	1,57	8,37	38,84	4,65	10,46	4,68	7,61	30,52
re/prod.	0,19	0,62	0,62	0,60	-	-	-	-0,55	-0,19	-0,15	0,23	0,35	-0,31	-0,20	0,23	0,28	0,02	0,65	0,79

EEB/amat.  
Nov./85



## ENSAIO REGIONAL 4 - Araguaína-Go., - 1985

CNPAF - PNP-Feijão/Caupi

Introdução, Avaliação e Utilização de Germoplasma de Caupi no Norte de Goiás

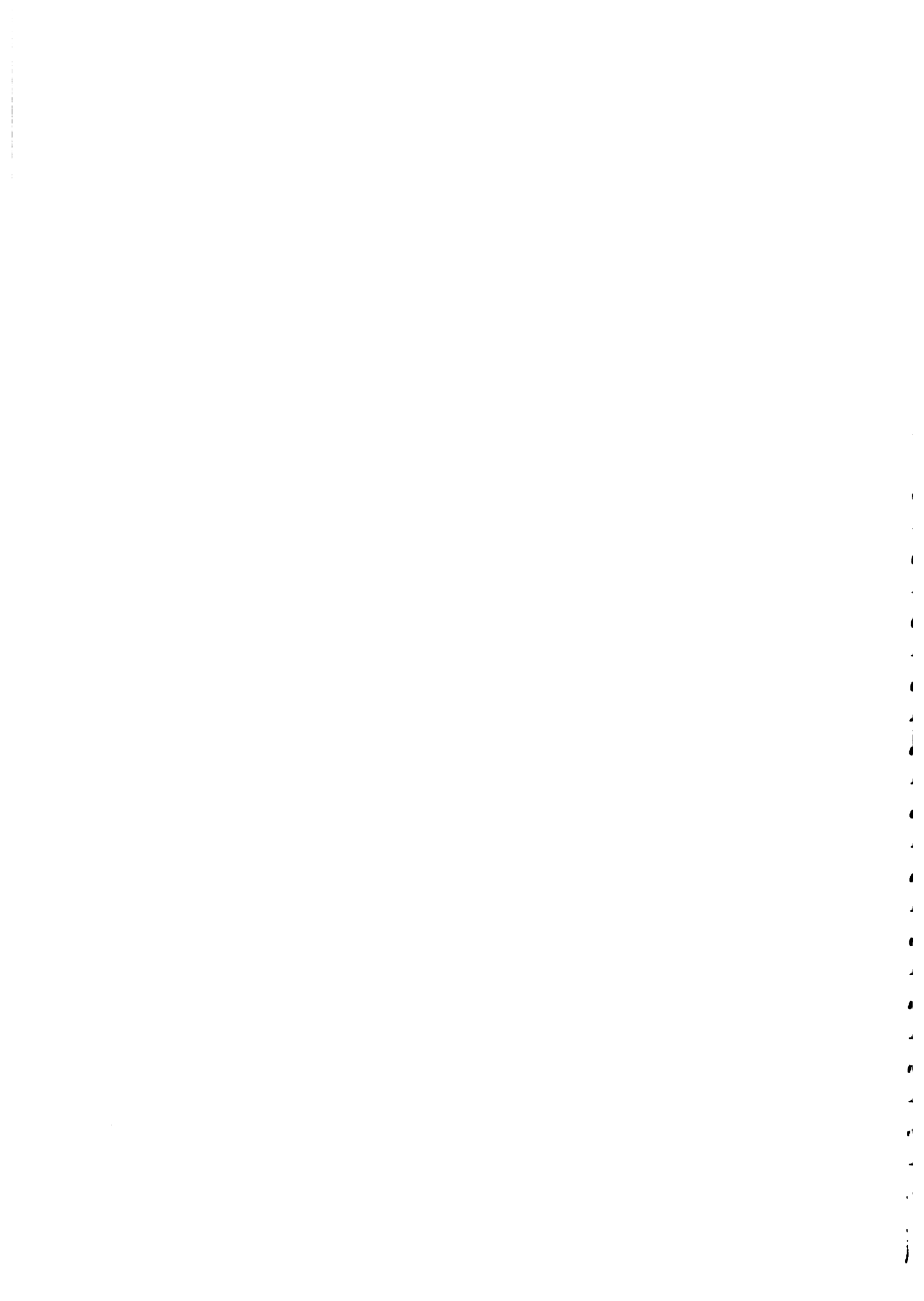
Responsável: Joaquim Carneiro Dias

Nº de Tratamentos = 12

Nº de Repetições = 04

Data de plantio: \_\_\_/\_\_\_/\_\_\_

Tratamentos	Prod.	F.I.	St.	M.I.	SEM/VAG.	P100S	COMP.VAG.	T.pl.
CNCx 171-012E	1798	46	74	75	16	18	16	2
Testemunha 3	1680	57	46	85	16	18	21	1
Testemunha 1	1463	49	69	75	16	14	18	1
Testemunha 2	1435	47	68	73	16	18	17	1
CNC 0434	1358	45	65	74	16	18	16	2
CNCx 171-07E	1130	47	73	75	15	17	15	2
CNCx 172-01E	1130	46	69	70	16	19	18	2
CNCx 171-03E	1083	47	68	75	14	18	16	2
CNCx 171-09E	1078	47	69	71	15	16	16	2
BR1-POTY	995	48	66	70	16	16	18	1
CNCx 161-01E	988	46	67	72	16	15	16	2
40 DIAS	653	44	72	67	13	16	15	2
$\bar{X}$	1232	47	67	74	15	17	17	-
F.	3,65	19,69	7,67	17,5	5,99	6,27	24,08	-
c.v.%	27,4	3,23	7,75	2,97	5,77	6,32	4,35	-
r c/Prod.	1,0	0,29	0,05	0,49	0,61	0,26	0,38	-





CNPAF

PNP-Feijão/Caupi

Ensaio Regional 4 - Janaúba-MG/1985

Responsável: Jorge Kakida

Data de plantio: 28/03/85

Nº de tratamentos: 12

Nº de repetições: 04

TRATAMENTOS	PROD.	F.I.	T.PL	CSMV	POTY	SAR.	OID.	EMP.	VAQ.	MAN.	ST.
CNCx 171-09E	430	50	2	1	-	-	1	4	2	-	78
CNCx 171-03E	408	51	1	1	-	-	1	4	2	-	79
PENDANGA (Test. L.3)	397	50	2	2	-	-	1	3	3	-	79
BR 1-POTY	386	48	1	1	-	-	1	3	2	-	80
CNCx 171-012E	324	48	2	1	-	-	1	5	3	-	79
CNCx 171-07E	304	53	2	1	-	-	1	3	2	-	80
PITIUBA (Test. L.1)	299	49	2	2	-	-	1	4	3	-	80
CNCx 161-01E	237	49	2	2	-	-	1	4	3	-	79
CINQUENTINHA (Test.L.2)	226	44	2	2	-	-	2	3	3	-	78
CNC 0434	202	53	2	2	-	-	1	4	3	-	79
40 DIAS	194	45	2	2	-	-	2	3	3	-	80
CNCx 172-01E	152	46	2	2	-	-	1	4	3	-	79
X	296	49	2	1	-	-	1	4	3	-	79
F	24,9	114,38	-	-	-	-	-	-	-	-	1,44
C.V.%	12,8	1,13	-	-	-	-	-	-	-	-	1,77
r c/prod.	1,0	0,35	-0,47	-0,24	-	-	-0,17	-0,33	-0,37	-	-0,12



CNPAF                    PNP-Feijão/Caupi                    Ensaio Regional 4 - CARUARU-PE/1985

Introdução e Avaliação de Germoplasma Melhorados de Caupi.

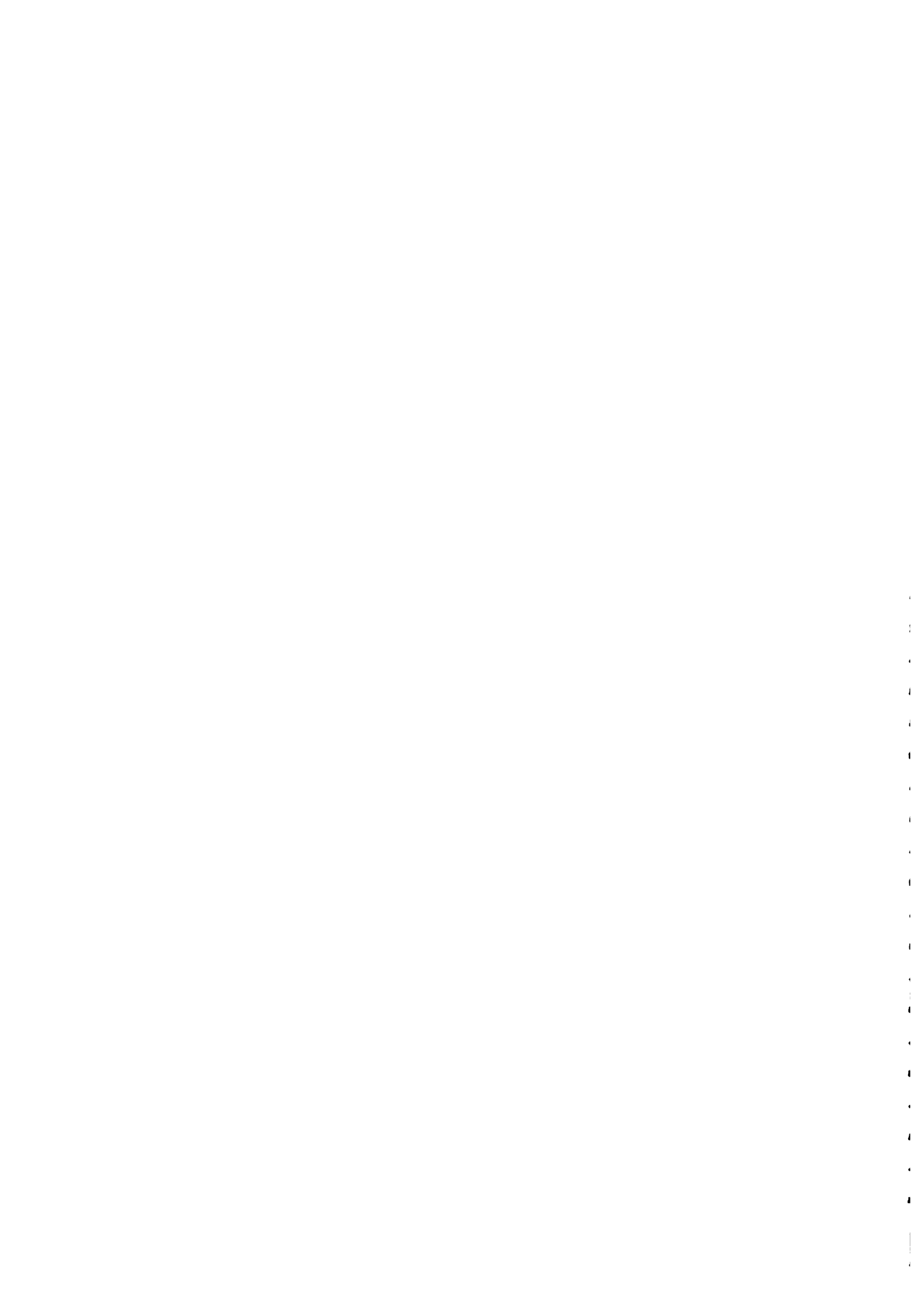
Responsável: Antônio Félix da Costa

Nº de tratamentos: 12

Nº de repetições: 04

Data do plantio:

TRATAMENTOS	PROD.	St.I.	St.F.	T.P1.	P100 <sub>s</sub>
CNCx 172-01E	1661	74	70	4	18
CNC 0434	1479	72	70	3	19
BR 1-POTY	1449	78	78	3	17
40 DIAS	1412	76	72	3	17
CNCx 171-012E	1378	77	77	3	17
CNCx 171-03E	1204	68	69	3	19
CNCx 161-01E	1184	76	73	3	17
Test. Local 1	942	50	50	2	22
CNCx 171-09E	758	77	69	2	17
CNCx 171-07E	512	79	76	2	16
Test. Local 3	122	42	48	4	14
Test. Local 2	117	58	54	3	13
$\bar{X}$	1020	69	67	3	17
F	16,78	16,28	11,05	24,59	28,65
C.V. %	25,5	8,69	9,30	8,42	4,62
r c/prod.	1,0	0,52	0,56	0,02	0,53



Seleção, Caracterização e Competição de Germoplasma de Caupi, por zonas produtoras do RN.

Responsáveis: José Rego Neto/Auri A. Simplício

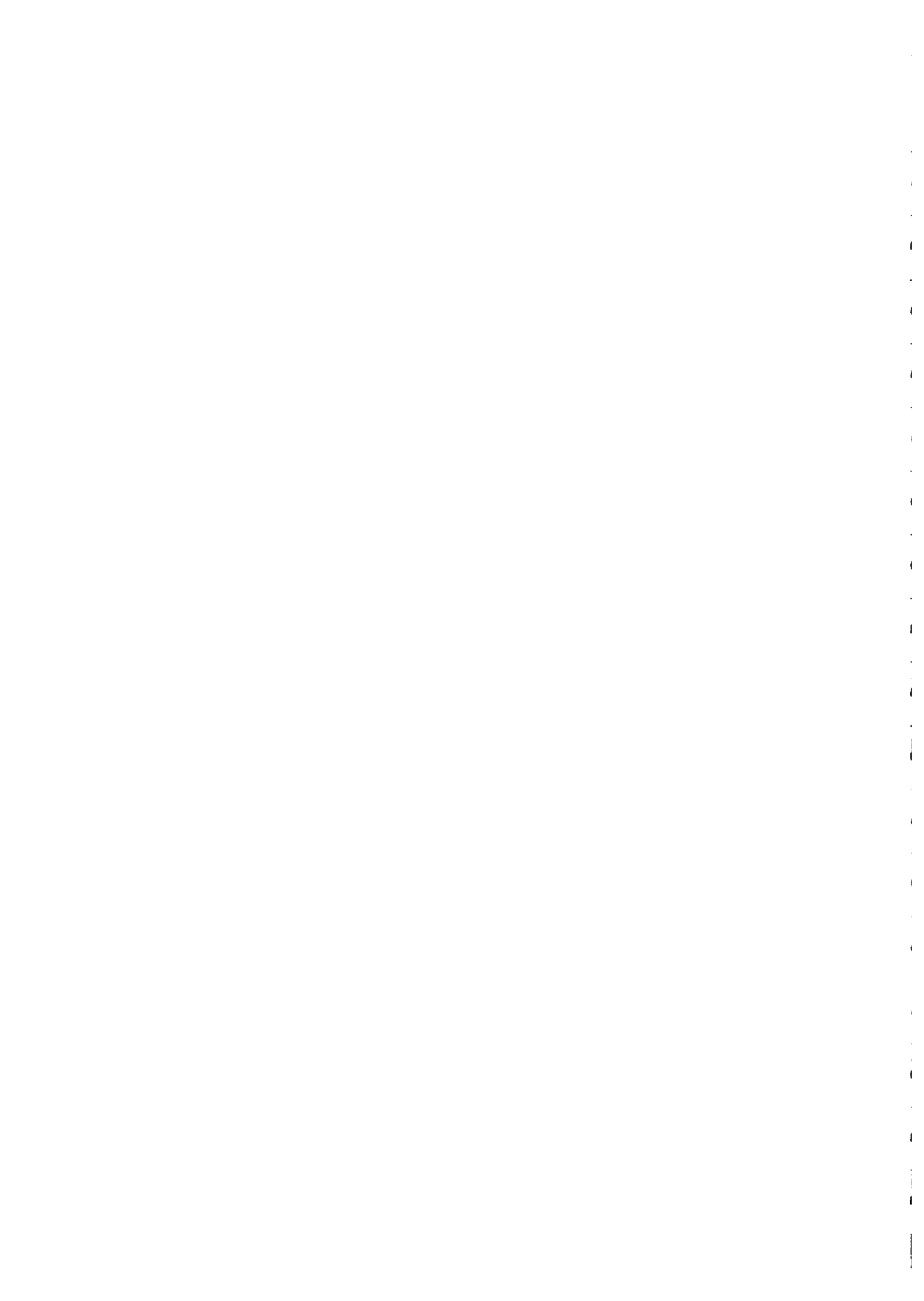
Data de plantio: 03/04/85

Nº de Tratamentos: 12 Nº de Repetições: 04

Empoasca e Vaquinha = nota 3

Manhoso e Doenças = nota 1

TRATAMENTOS	PROD.	F.I.	T.PL.	CSMV	POTY	SAR.	EMP.	VAQ.	MAN.	ST.	M.I.
RISO DO ANO (T.L.1)	1292	41	2	-	-	-	-	-	-	45	57
BR 1-POTY	1278	43	2	-	-	-	-	-	-	40	58
CNC 0434	1216	41	1	-	-	-	-	-	-	46	50
CNCx 172-01E	1179	42	1	-	-	-	-	-	-	39	57
40 DIAS	1127	40	4	-	-	-	-	-	-	45	55
CNCx 161-01E	1031	42	1	-	-	-	-	-	-	43	56
CNCx 171-012E	993	44	1	-	-	-	-	-	-	41	58
CNCx 171-03E	982	42	1	-	-	-	-	-	-	43	58
SÃO FRANCISCO (T.L.2)	842	43	1	-	-	-	-	-	-	43	58
RNb-3 (T.L.3)	782	51	1	-	-	-	-	-	-	21	63
CNCx 171-07E	743	43	3	-	-	-	-	-	-	44	60
CNCx 171-09E	564	44	1	-	-	-	-	-	-	42	58
$\bar{X}$	1002	43	-	-	-	-	-	-	-	41	58
F	2,47	7,31	-	-	-	-	-	-	-	2,73	10,56
C.V. %	29,35	4,68	-	-	-	-	-	-	-	19,97	2,10
rc/Prod.	1,0	-0,22	-	-	-	-	-	-	-	0,56	-0,47



CNPAP

PNP-FEIJÃO/CAUPI

ENSAIO REGIONAL 4-PATOS-PB/1985

INTRODUÇÃO E AVALIAÇÃO DE CULTIVARES

RESPONSÁVEL: JOÃO BOSCO

Nº de Tratamentos: 12

Nº de repetições: 04

TRATAMENTOS	PROD.	F.I.	ST.	M.I.	T.PL.
CNCx 172-01E	2570	48	61	78	1
BR 1-POTY	2155	48	62	76	1
CNC 0434	2145	48	62	76	2
CNCx 171-03E	2128	48	58	76	1
40 DIAS	2113	41	67	69	2
CNCx 171-012E	2055	49	70	78	2
Test. Local 1	1675	48	49	76	1
CNCx 161-01E	1615	47	59	76	1
CNCx 171-09E	1235	48	75	77	2
Test. Local 2	1175	49	38	77	1
CNCx 171-07E	1055	48	64	77	2
$\bar{X}$	1811	47	60	76	1-
F	3,66	67,5	2,66	28,3	-
C.V. %	28,4	1,1	20,6	1,17	-
r c/prod.	1,0	-0,17	0,42	-0,18	-0,12





CNPAF

PNP-FELJÃO/CAUPI

ENSAIO REGIONAL 4-CRATEUS-CE/1985

Introdução, Avaliação e Utilização de Germoplasma de Caupi

Responsável: Paulo Diógenes Barreto

Nº de tratamentos: 12

Nº de repetições: 04

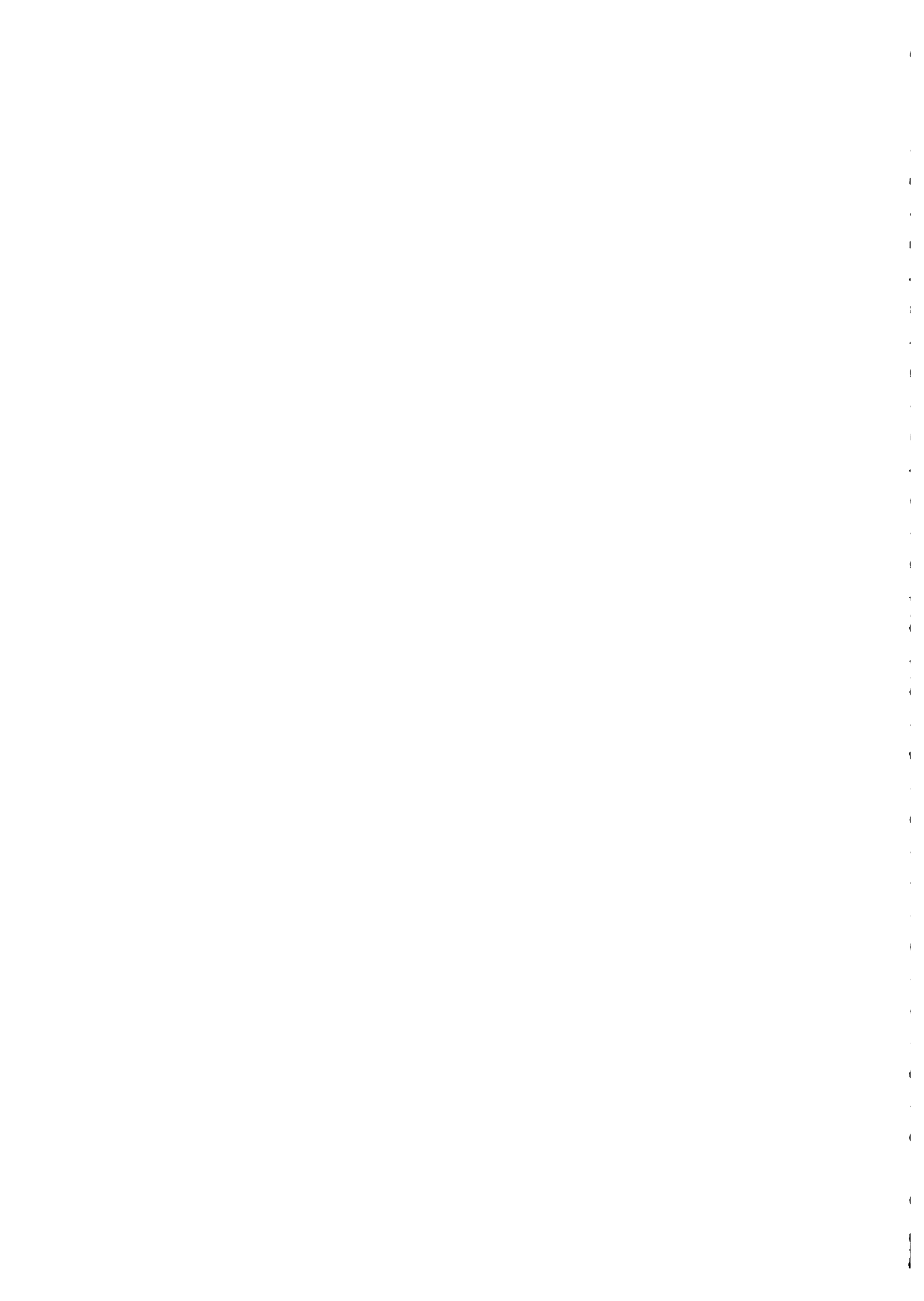
TRATAMENTOS	PROD.	F. I.	ST.	DPPC
CNCx 171-09E	833	48	65	72
40 DIAS	820	44	64	72
CNCx 172-01E	805	48	66	72
CNCx 161-01E	795	57	72	72
CNCx 171-012E	770	46	76	72
CNC 0434	738	45	51	72
BR 1-POTY	733	43	26	72
CNCx 171-03E	708	45	66	72
CNCx 171-07E	465	52	74	72
Test. Local 3	443	58	60	100
Test. Local 2	440	52	60	72
Test. Local 1	305	59	70	100
X	654	48	62	77
F	2,24	38,4	7,05	-
C. V. %	37,9	3,72	16,12	-
r c/prod.	1,0 -	-	-	-

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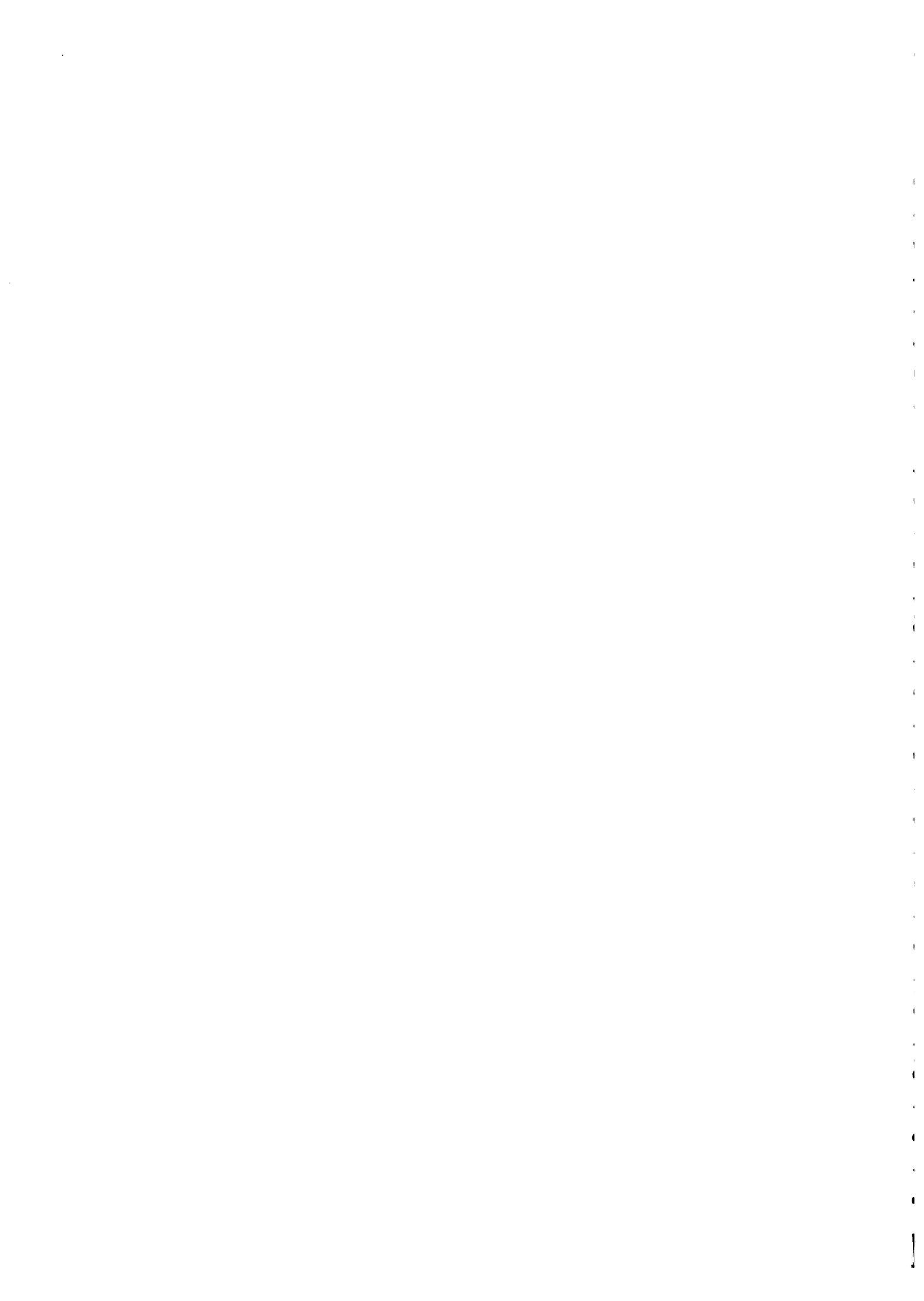
APPENDIX, SECTION 4.- Material do IITA Testado para Poty e Severo

1 = Resistant      5 = Very susceptible

CULTIVARES:	POTY	SEVERO
IT 82D-892	4	5
IT 82D-872	3	5
IT 82D-885	2	5
IT 82D-845	4	5
IT 82D-844	2	5
IT 82D-812	3	4
IT 82D-789	3.5	5
IT 82D-787	2	5
IT 82D-786	2	5
IT 82D-785	3	3
IT 82D-784	2	5
IT 82D-768	4	5
IT 82E-18	3	5
IT 81D-1064	3.5	4
IT 81D-1054	3	5
IT 81D-1007	3	5
IT 81D-1205-174	3	5
TVx 4654-44E	3	5
TVx 4677-010E	3	5
Cultivar - 1051	3.5	5
IT 82D-641	3.5	4
IT 81D-1157	3	5
TVu-347	3	5
TVu-3629	4	5
9R-86-0C	3.5	4



CULTIVARES:	POTY	SEVERO
TVx 3871-02F	2	4
TVx 5049-01C	mix	5
TVx 4661-07E	3.5	5
IT 81D-1052	3	3
TVx 5624-0C	2.5	5
IT 81D-1138	4	3
TVx 5038-05C	4	5
TVx 5044-03C	4.5	5
IT 81D-62	4	5
IT 82G-32	4	3
IT 81D-1149	3.5	4
TVx 3236-01G	4	5
IT 81D-106G	4	5
TVx 4659-03E	3	5
TVx 5041-014C	mix	5
TVx 5592-0C	4	5
TVx 4577-02D	4	5
IT 81D-991	3	5
VITA 6	3	3
IT 81D-1020	3.5	5
IT 81D-1189-81	4	3
TVx 1836-013J	3.5	4
IT 81D-1036	3	5
IT 81D-1045	4	5
TVx 5054-010C	mix	5
TVx 4304-06C	2	4
Tvx 3671-14C-01D	4	5



CULTIVARES	POTY	SEVERO
TVx 5043-011C	3	5
TVx 3368-03K	3.5	4
TVx 3671-3C-04D	4	5
VITA 5	3.5	4
TVx 5056-07C	2	5
TVx 3627-012F	3.5	5
TVu 2156	2.5	5
IT 81D-1156	4	5
TVx 5567-0C	4	4
TVx 4262-014D	4	5
TVx 3408-02J	3.5	4
TVx 1576-01E	3	5
VITA 3	3	5
IT 81D-1053	3.5	3
IT 82E-10	4	4
9R-66-0C	4	5
IT 81D-1069	3	5
TVx 5618-0C	3.5	5
TVx 3881-01E	mix	5
TVx 3410-02J	4	4
9R-77-0C	3.5	5
VITA 7	3.5	5
TVx 5038-029C	4	5
VITA 4	4	5
TVx 2724-01F	4	5
TVx 3627-03G	4	5
TVx 5041-09C	4	5





CULTIVARES	POTY	SEVERO
TVx 5050-02C	3.5	5
IT 82E-9	4.5	5
IT 82E-32	mix	3
IT 81D-1073	3	5
TVx 3516-09D	4	5
IT 81D-1134	3	5
IT 82E-3	3.5	5
IT 82E-25	2	did not germinate
IT 81D-1137	3	5
IT 81D-105	2.5	5
IT 81D-1046	3	no seeds
IT 81D-1148	3.5	5
IT 81D-1178-31	4	5
IT 81D-1184-64	4	5
IT 81D-1186-69	3.5	5
IT 81D-1202-154	4	5
IT 81D-1202-155	4	5
IT 82D-709	4	5
IT 81D-975	4	5
IT 81D-981	4	5
IT 82D-951	4	5
IT 82D-952	4	3
TVx 3236-5-2	3	5
IT 82D-636	3.5	5
IT 82D-655	4	5
IT 82D-669	4	5



CULTIVARES	POTY	SEVERO
IT 82D-714	4	5
IT 82D-720	4	5
IT 82D-755	4	5
IT 82D-874	4	5
IT 82D-875	4	5
IT 82D-880	3	5
IT 82D-881	3.5	5
IT 82D-887	2.5	5
IT 82D-888	3	5
IT 82D-889	4	5
IT 82D-890	4	5
IT 82D-891	4	5
IT 82D-904	2	5
IT 82D-906	4	5
IT 82D-907	4	5
IT 82D-652	4	5
IT 82D-670	4	4.5
IT 82D-687	3	5
IT 82D-699	3	5
IT 82D-702	2	no seeds
IT 82D-703	4	did not germinate
IT 82D-707	4	5
IT 82D-713	4	5
IT 82D-716	2	3
IT 82D-736	4	5
IT 82D-737	4	5
IT 82D-917	4	5



CULTIVARES	POTY	SEVERO
IT 82D-927	2	5
IT 82D-950	3.5	5
IT 82D-951	4	no seeds
IT 82D-676	2.5	5
IT 82D-735	3.5	5
IT 82D-763	3.5	5
IT 82D-807	2	5
IT 82D-808	2.5	5
IT 82D-831	4	5
IT 82D-847	4	5
IT 82D-855	2.5	5
IT 82D-860	4	4
IT 81D-62	4	5
IT 82E-27	4	5
IT 82E-49	4.5	did not germinate
IT 82D-60	4	did not germinate
IT 82D-649	3.5	did not germinate
IT 82D-654	3.5	3
TVx 3891-03E	4	5
Cultivar - 1084	4	5
9R-76-0C	4	5
Cultivar - 1009	-	5
Cultivar - 979	-	5
IT 82D-905	-	5
IT 82D-871	-	5
IT 82D-858	-	5
IT 81D-1061	-	5

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CULTIVARES	POTY	SEVERO
IT 82D-658	-	5
IT 81D-1206-179	-	5
IT 81D-1175-17	-	5
TVx 3901-09E	-	4
TVx 1016	-	5
TVx 5578-0C	-	5
TVx 2394-02F	-	5
TVx 4572-8D	-	5
TVx 4662-07E	-	5
TVx 4661-07D	-	5
TVx 3884-01E	-	5
TVx 4272-05D	-	5
TVx 5050-013C	-	4
TVx 1948-01F	-	5
TVx 4262-09D	-	5
TVu 984	-	5
TVx 9048-05C	-	5
TVx 5038-02C	-	5
TVx 4572-5D	-	5
TVx 4659-02E	-	4
TVx 3236-01E	-	4
TVx 3671-7C-020	-	5
TVx 3627-03E	-	5
IT 82G-32	-	3
IFE-BROWN	-	5
TVx 2912-011D	-	5
TVx 1576-01E	-	5





CULTIVARES	POTY	SEVERO
TVx 5048-04C	-	5
TVu 1000	-	5
TVx 5035-01C	-	4
TVx 5578-0C	-	2
TVx 5043-024C	-	5
TVx 5044-025C	-	5
TVx 4661-07D	-	5
TVx 4272-013D	-	5
TVx 4262-026D	-	5
TVx 4573-1D	-	3
IT 81D-993	-	did not germinate
TVx 3867-03E	-	5
TVx 4680-036E	-	5
TVx 4662-013E	-	5
TVx 2175	-	5
TVx 3627-03E	-	5
TVx 3866-04E	-	3
TVx 5052-07C	-	5
TVx 1948-01F	-	5
TVx 4298-04C	-	5
TVx 5058-09C	-	5
TVx 5578-0C	-	4
TVx 4262-09D	-	3
TVx 5048-013C	-	5
IT 81D-1031	-	5
TVx 133-16D2	-	5

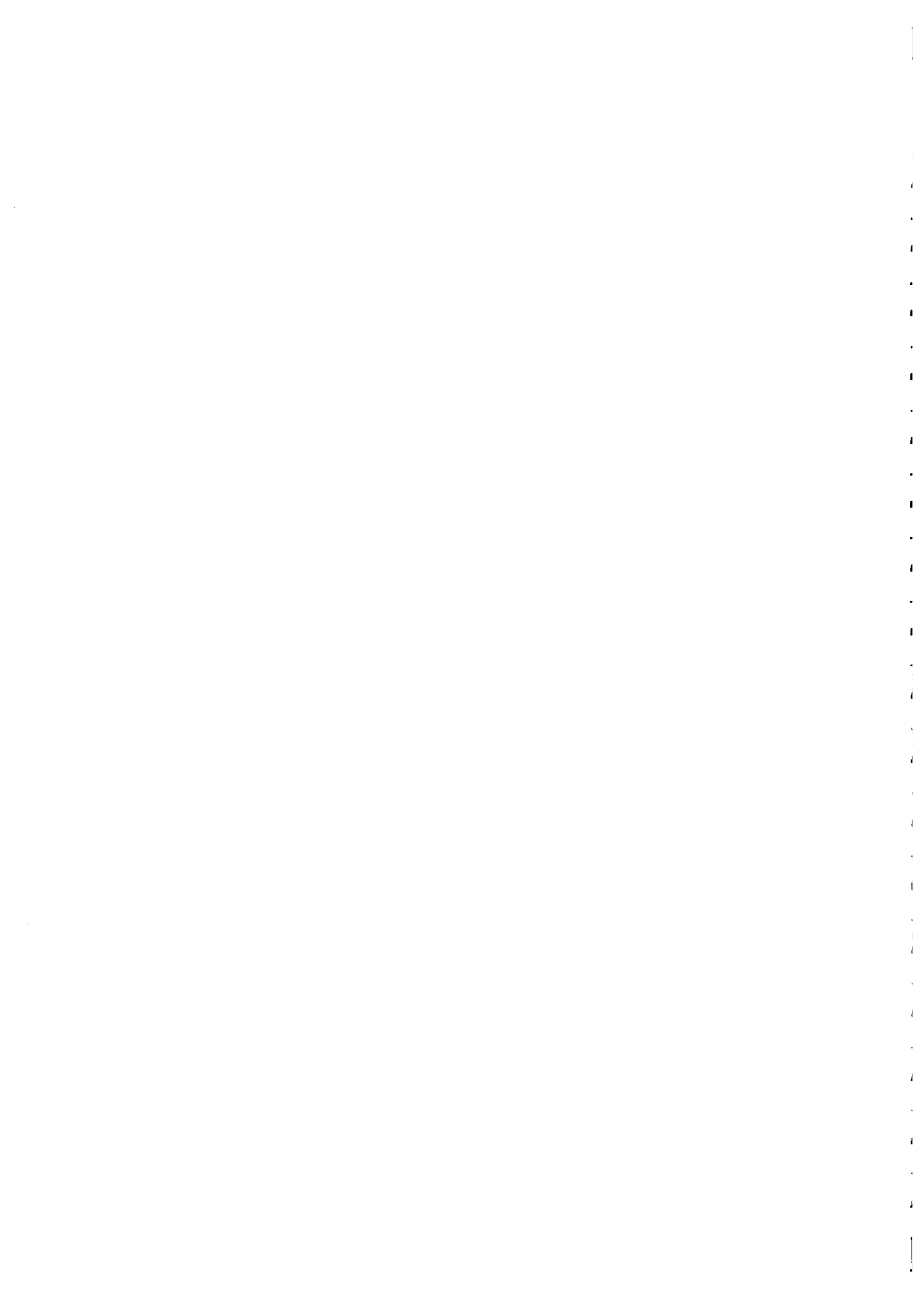


CULTIVARES:	POTY	SEVERO
TVx 4677-088F	-	5
TVx 5570-0C	-	5
TVx 5043-016C	-	5
TVx 2938-02G	-	4
TVx 4262-01E	-	4
TVx 4677-010F	-	5
IT 81D-1068	-	5
TVx 4662-013F	-	3
TVu 2115	-	5
IT 81D-1155	-	4
TVx 5038-03C	-	5
TVx 5623-0C	-	5



## INITIAL EVALUATION OF IITA SOYBEAN GERmplasm

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
1	TGX 118-2F	60	13	72	112	0	17	117	10
2	TGX 118-14F	61	14	74	112	0	18	117	20
3	TGX 239-4E	64	15	72	106	95	18	153	0
4	TGX 239-7E	64	15	66	112	88	18	153	0
5	TGX 239-17E	60	12	58	125	80	16	126	20
6	TGX 293-22D	64	14	52	137	75	17	0	0
7	TGX 239-25D	60	13	55	125	70	17	130	80
8	TGX 239-26D	60	14	53	125	77	18	130	90
9	TGX 239-29E	60	12	58	125	77	17	130	20
10	TGX 239-30D	65	15	63	129	88	18	130	80
11	TGX 239-40D	60	13	51	125	71	19	130	80
12	TGX 239-41D	63	13	77	125	88	16	126	20
13	TGX 239-43D	64	15	65	125	80	15	126	30
14	TGX 239-51D	65	15	58	125	90	18	130	70
15	TGX 239-52D	55	12	50	122	75	16	126	0
16	TGX 239-53D	55	12	53	122	75	17	127	0
17	TGX 239-54D	56	12	49	125	80	17	130	10
18	TGX 239-56E	70	14	70	125	88	18	130	10
19	TGX 239-59E	56	12	53	117	75	16	125	0
20	TGX 239-6D	64	17	54	129	65	19	138	0
21	TGX 239-62E	60	11	52	117	87	18	125	0
22	TGX 252-1C	64	13	66	129	100	20	138	0
23	TGX 252-5E	56	12	56	132	80	13	0	0
24	TGX 252-6C	64	16	63	129	100	20	138	0
25	TGX 252-71C	65	15	58	129	108	22	138	0
26	TGX 293-03D	75	18	76	143	85	18	153	0
27	TGX 293-5E	72	17	60	137	78	18	138	20
28	TGX 293-10E	70	18	62	137	76	18	143	0
29	TGX 293-11E	70	14	76	137	120	22	143	0
30	TGX 293-12E	72	19	61	137	65	18	138	0
31	TGX 293-16E	72	18	70	137	85	17	138	20
32	TGX 293-17E	72	16	75	137	94	17	138	0
33	TGX 293-23E	72	14	75	137	86	18	138	20
34	TGX 293-34E	72	18	61	137	90	18	153	0
35	TGX 293-36E	70	16	75	137	83	17	138	30
36	TGX 293-32E	70	16	72	137	90	18	138	10
37	TGX 293-44E	70	18	73	137	92	17	153	0
38	TGX 293-46E	70	18	86	137	95	18	138	10
39	TGX 293-61E	60	14	58	117	85	17	126	10
40	TGX 293-65E	74	18	80	137	80	18	153	0
41	TGX 293-67E	70	17	60	137	85	17	138	20
42	TGX 293-68E	76	17	60	137	75	15	153	0
43	TGX 293-71E	70	16	65	137	87	18	138	30
44	TGX 295-1F	64	15	61	125	100	22	130	50
45	TGX 297-5F	64	13	67	117	87	17	123	80
46	TGX 297-6F	64	12	72	117	88	17	123	60
47	TGX 297-7F	64	12	61	117	88	18	123	80
48	TGX 297-9F	64	14	71	117	89	18	123	60
49	TGX 297-10F	61	14	57	122	101	18	123	80
50	TGX 297-11F	64	14	69	117	89	18	123	70



PAGE NO. 00001

## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM/PART 2

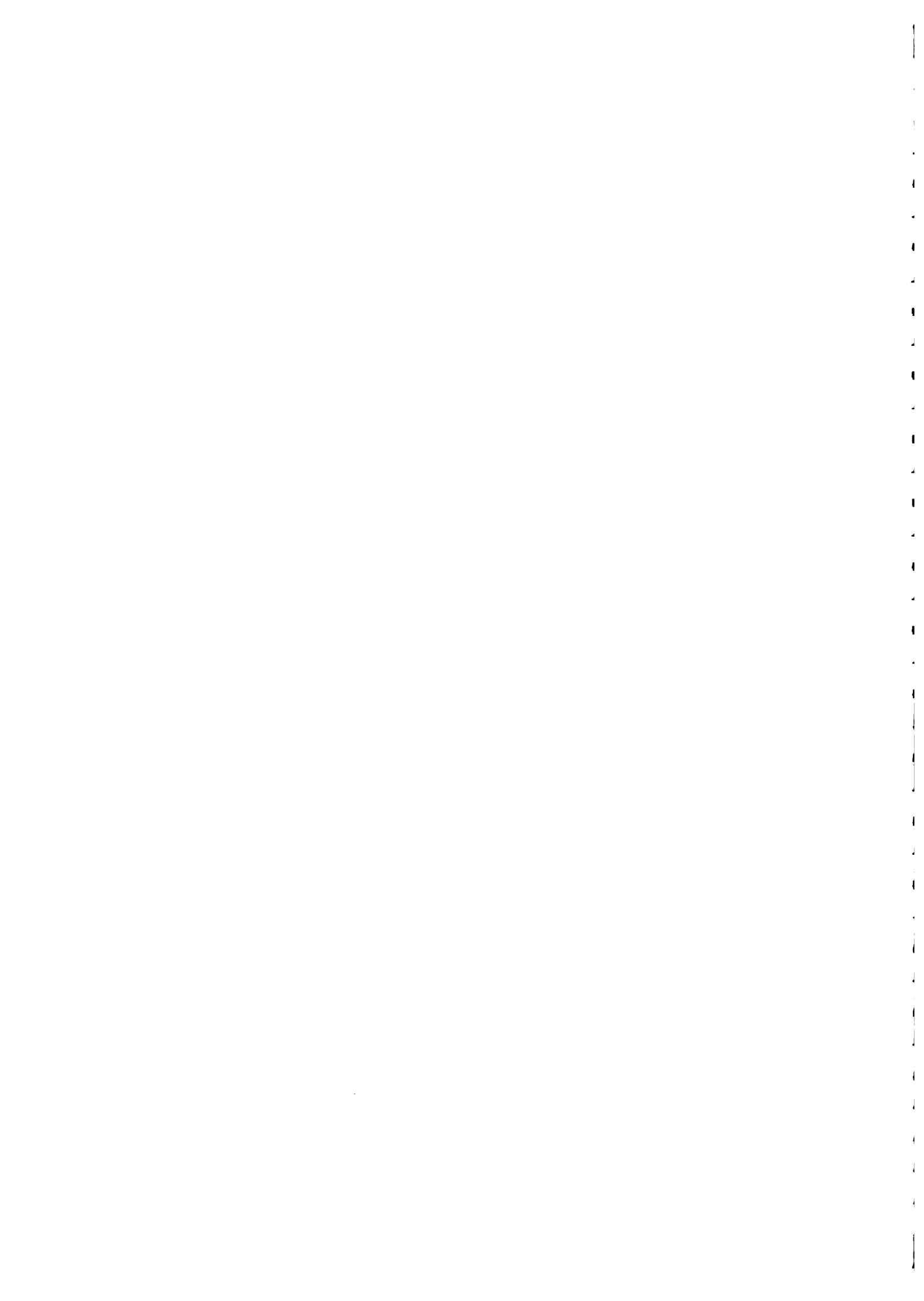
PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
1	3.5	3.5	?	1.0	1.0	1.0		10.00	YELLOW	1
2	3.0	3.0	?	1.0	1.0	1.0		11.02	YELLOW	33
3	1.5	2.0(?)	2.0(?)	1.0	1.0	1.0		11.16	YELLOW	35
4	1.5	1.0	2.0	1.0	1.0	1.0		12.88	YELLOW	30
5	1.5	1.0	2.0	1.0	1.0	1.0		13.44	YELLOW	33
6	2.0	1.0	2.0	2.0	1.0	1.0		12.62	YELLOW	38
7	3.0	1.0	2.0	1.0	1.0	1.0		12.76	YELLOW	28
8	3.5	1.0	2.0	1.0	1.0	2.5		13.50	YELLOW	26
9	3.5	1.0	2.0	1.0	1.0	1.0		13.39	YELLOW	29
10	3.0	2.0(?)	2.0	1.0	1.0	1.0		13.33	YELLOW	43
11	3.0	2.0(?)	2.0(?)	1.0	1.0	2.5		13.09	YELLOW	30
12	2.0	?	?	1.0	2.0	2.0		12.36	YELLOW	34
13	2.0	?	?	2.0	1.0	2.0		11.01	YELLOW	33
14	2.0	1.0	1.0	3.0	1.0	2.0		11.14	YELLOW	27
15	2.0	1.0	2.0	2.0	1.0	2.0		15.65	YELLOW	0
16	2.0	1.0	2.0	2.0	1.0	2.0		15.65	YELLOW	33
17	2.0	1.0	2.0	2.5	1.0	2.0		15.08	YELLOW	33
18	2.5	1.0	2.0	1.0	1.0	2.0		9.97	YELLOW	0
19	2.5	1.0	2.0	2.0	1.0	1.0		15.61	YELLOW	37
20	2.5	1.0	2.0	2.5	1.0	2.0		12.88	YELLOW	41
21	2.5	1.0	2.0	2.0	1.0	2.0		17.48	YELLOW	40
22	3.0	3.5	1.0	1.0	1.0	1.0		19.69	YELLOW	44
23	2.5	?	1.0	1.0	1.0	1.0		0.00	BLACK	0
24	3.5	3.0	1.0	1.0	1.0	2.0		19.97	YELLOW	0
25	3.5	4.0	1.0	1.0	1.0	2.0		19.74	YELLOW	44
26	3.5	4.0	1.0	1.0	1.0	2.0	TARDIA	14.67	YELLOW	40
27	4.0	?	2.0	2.0	1.0	1.0		14.56	YELLOW	41
28	2.5	1.0	2.0	2.0	1.0	2.0		16.51	YELLOW	38
29	4.5	2.0	2.0	2.0	1.0	2.0		11.73	YELLOW	42
30	2.0	?	2.0	2.0	1.0	2.0		12.67	YELLOW	45
31	4.0	?	?	2.0	1.0	2.0		12.45	YELLOW	41
32	3.0	?	?	1.0	1.0	2.0		13.64	YELLOW	41
33	4.0	?	2.0	1.0	1.0	2.0		13.87	YELLOW	38
34	2.5	1.0	2.0	1.0	1.0	2.0		14.28	YELLOW	43
35	2.0	2.5	?	1.0	1.0	2.0		11.88	YELLOW	44
36	1.5	2.0	?	1.0	1.0	2.0		13.37	YELLOW	42
37	3.5	1.0	2.0	1.0	1.0	1.0		13.81	YELLOW	45
38	2.0	1.0	2.0	1.0	1.0	1.0		13.81	YELLOW	42
39	1.5	1.0	2.0	1.0	1.0		MILDO	14.48	YELLOW	44
40	3.0	1.0	2.0	1.0	1.0	2.0		15.62	YELLOW	40
41	4.0	2.5	1.0	2.0	1.0	1.0		13.48	YELLOW	44
42	3.5	4.0	1.0	1.0	1.0	1.0		13.85	YELLOW	47
43	4.0	1.0	2.0	1.0	1.0	1.0		11.92	YELLOW	41
44	3.5	2.5	2.0	2.0	3.0	1.0		13.85	YELLOW	47
45	3.0	2.0	2.0	1.0	1.0	1.5		9.60	GRNBLK	47
46	3.0	1.0	2.5	1.0	1.0	1.0		9.20	GRNYLW	43
47	4.5	2.0	1.0	1.0	1.0	1.5		8.22	GREEN	45
48	3.0	1.0	2.5	1.0	1.0	1.0		8.27	GREEN	38
49	3.5	2.0	2.0	1.0	1.0	1.0		8.70	GREEN	41
50	2.0	1.0	2.0	1.0	1.0	2.0		8.15	GREEN	43





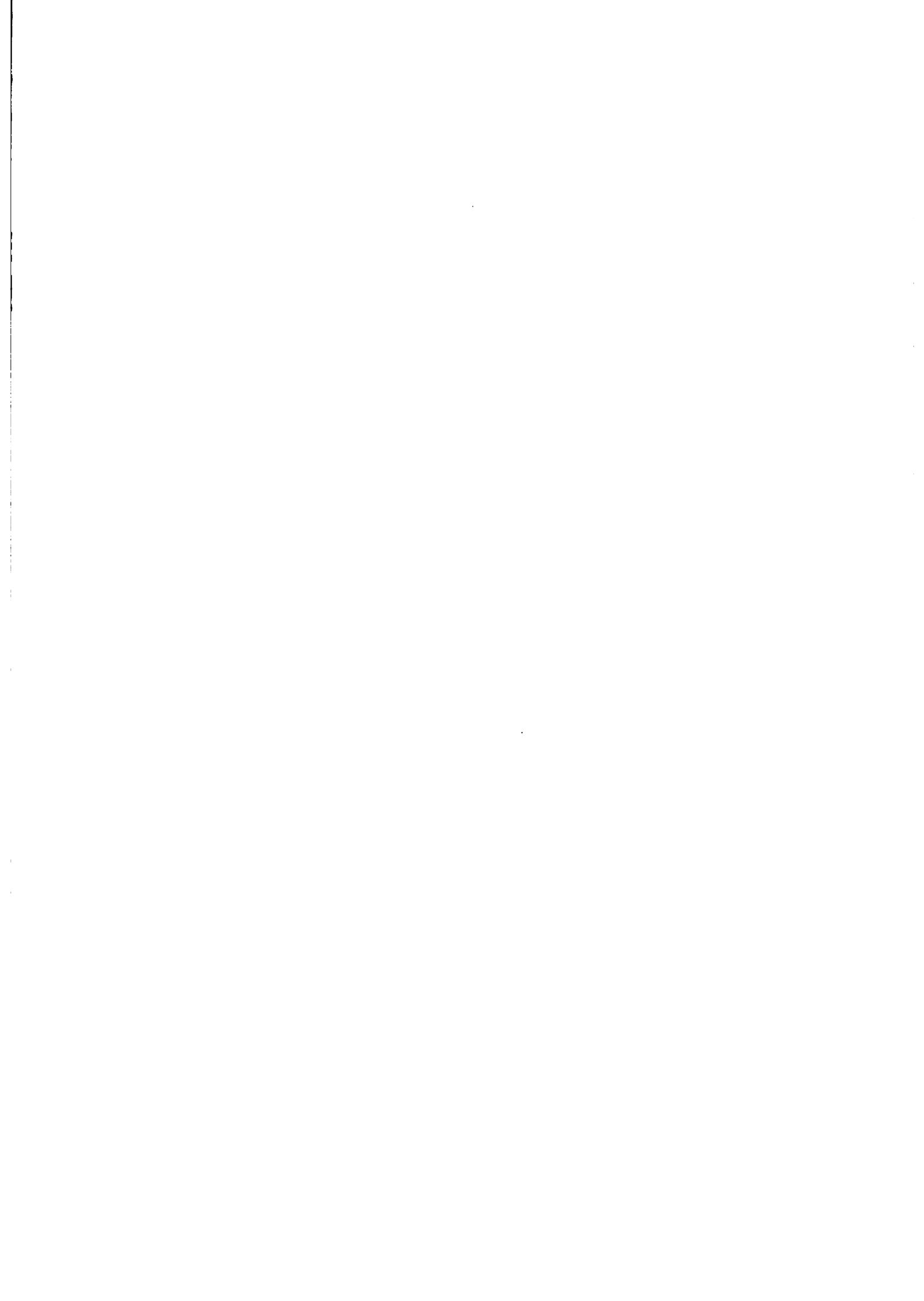
## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
51	TGX 297-12F	64	12	65	117	90	19	123	70
52	TGX 297-13F	64	14	71	117	90	19	123	40
53	TGX 297-14F	71	12	60	129	87	18	138	50
54	TGX 297-15F	65	15	70	129	94	19	138	20
55	TGX 297-16F	71	15	67	129	96	19	138	30
56	TGX 297-17F	70	18	76	129	98	20	138	40
57	TGX 297-20F	64	14	80	115	101	19	117	20
58	TGX 297-31F	71	17	70	122	75	17	123	20
59	TGX 297-33C	59	15	48	117	80	15	126	20
60	TGX 297-35C	70	16	62	137	0	0	138	0
61	TGX 298-7D	64	15	72	129	100	20	138	10
62	TGX 299-3D	64	15	72	125	93	17	126	20
63	TGX 299-7F	61	13	54	129	95	19	138	10
64	TGX 299-8F	70	18	76	117	90	18	123	60
65	TGX 299-14E	55	13	56	110	65	13	117	0
66	TGX 299-15F	65	16	81	117	85	18	123	30
67	TGX 299-17E	55	13	58	110	63	13	117	0
68	TGX 299-18D	60	15	52	110	73	15	116	0
69	TGX 299-43F	60	13	45	117	84	20	123	40
70	TGX 299-448	60	14	50	117	82	18	123	30
71	TGX 302A-01D	69	15	60	129	74	17	130	70
72	TGX 302A-5	71	14	67	129	98	20	130	60
73	TGX 302A-8D	73	19	80	137	103	20	153	0
74	TGX 302A-12E	70	15	66	129	81	16	130	10
75	TGX 302A-12E	72	16	65	129	94	17	138	10
76	TGX 302A-13D	55	13	58	112	115	21	116	0
77	TGX 302A-28	70	16	65	125	92	21	130	30
78	TGX 302A-34D	70	18	67	129	105	19	130	40
79	TGX 302A-36D	72	15	66	129	105	20	138	10
80	TGX 302A-37	71	17	64	129	102	22	130	20
81	TGX 302A-41D	64	15	64	125	60	20	130	30
82	TGX 302A-47E	73	18	95	137	119	21	153	0
83	TGX 302A-55D	73	17	85	129	103	22	138	0
84	TGX 302A-64D	64	14	72	125	100	18	130	0
85	TGX 302A-73F	74	17	96	129	100	18	130	0
86	TGX 302A-78F	71	19	74	129	105	18	130	0
87	TGX 302A-79F	71	15	85	129	99	18	130	10
88	TGX 302A-82F	71	15	80	129	95	16	130	10
89	TGX 302A-84F	71	15	65	129	85	16	131	10
90	TGX 302A-94F	71	13	65	129	88	17	131	0
91	TGX 302-95D	65	14	67	125	95	18	131	0
92	TGX 302A-98F	71	13	60	129	95	17	131	0
93	TGX 302A-103E	71	15	60	125	94	16	131	0
94	TGX 302A-106D	72	13	50	129	90	18	138	0
95	TGX 302A-270C	70	15	75	137	110	21	165	0
96	TGX 303A-239C	71	15	80	129	103	22	138	0
97	TGX 305-020D	60	14	55	129	85	17	138	0
98	TGX 306-036C	77	17	93	137	100	19	153	0
99	TGX 307-048D	71	15	60	137	100	22	138	10
100	TGX 307-5E	82	19	99	137	97	20	153	0



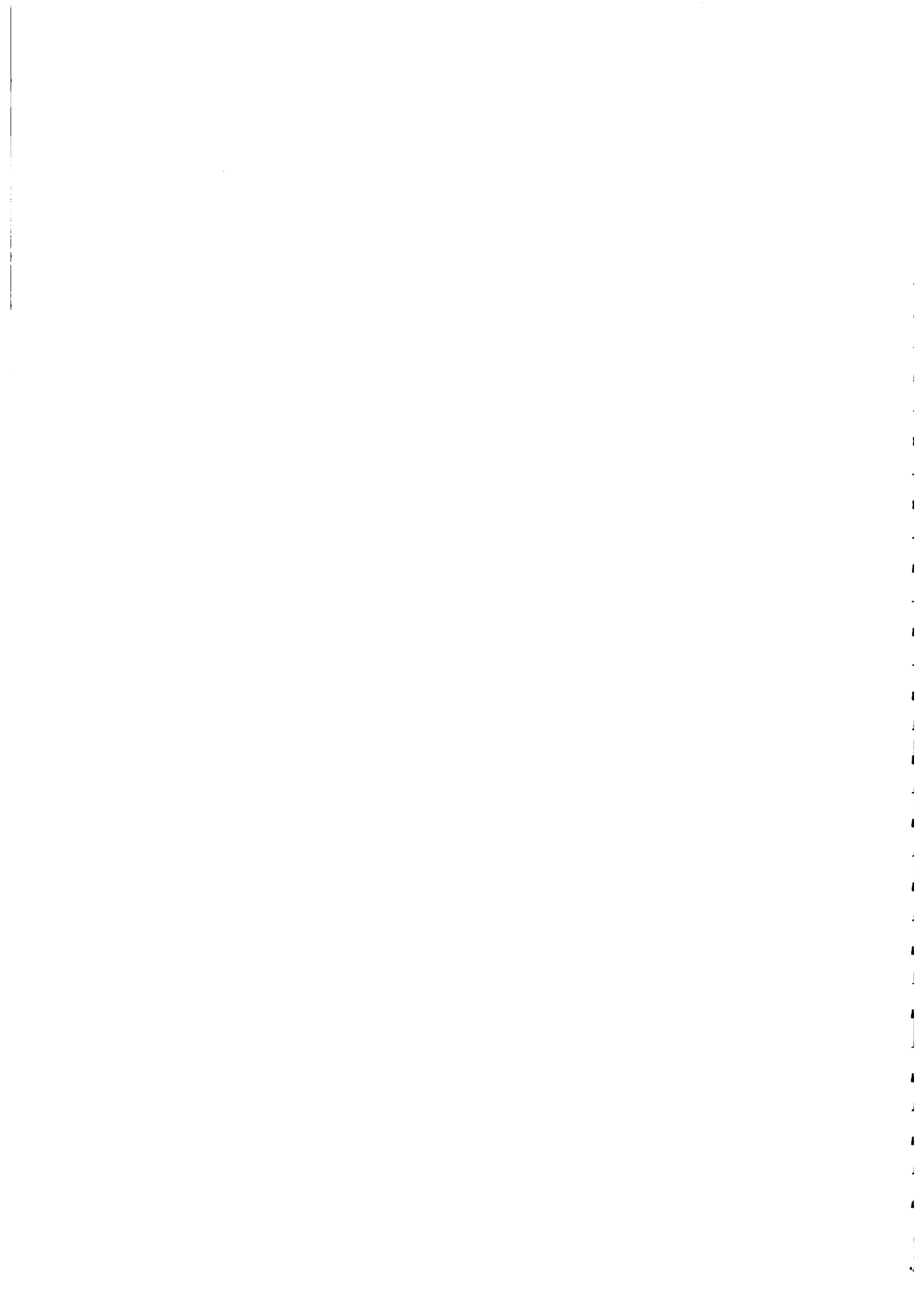
## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
51	4.0	1.0	2.0	1.0	1.0	1.0		8.55	GREEN	46
52	3.0	2.0	2.0	1.0	1.0	2.0		8.74	GREEN	40
53	4.5	2.0	2.0	1.0	1.0	2.0		10.33	BLACK	42
54	4.0	2.0	2.0	1.0	1.0	2.0		10.40	BLACK	45
55	4.0	2.0	2.0	1.0	1.0	2.0		11.40	BLACK	48
56	3.5	1.0	3.0	2.0	1.0	2.0		10.49	BROWN	38
57	3.0	1.0	2.0	1.0	1.0	2.0		11.63	GREEN	42
58	2.0	2.0	1.0	3.0	1.0	2.0		8.57	GREEN	32
59	2.0	1.0	2.0	3.0	1.0	2.0		11.30	BLACK	39
60	2.0	2.0	1.0	2.5	1.0	2.0		12.45	GRNYLW	42
61	3.0	1.0	2.5	2.0	1.0	2.0		14.89	GRNYLW	41
62	2.0	2.0	1.0	2.0	1.0	2.0	MILDO 2	10.13	BLACK	31
63	2.5	3.0	1.0	1.0	1.0	2.0		12.72	YELLOW	42
64	3.5	2.0	1.0	1.0	1.0	2.0	MILDO 2	9.48	BLACK	49
65	2.0	3.0	1.0	2.0	1.0	2.0		13.88	BLACK	37
66	2.5	3.0	1.0	1.0	1.0	3.0		10.08	YELLOW	36
67	2.0	3.0	2.0	1.0	1.0	2.0	WLDIFIRE	10.08	YELLOW	28
68	2.0	3.0	2.0	1.0	1.0	2.0		12.47	GREEN	29
69	3.5	1.0	3.0	1.0	1.0	2.0		13.06	BLACK	37
70	3.5	1.0	2.5	1.0	1.0	2.0		12.55	BLACK	41
71	4.0 ?	2.0	1.0	2.0	1.0	2.0		16.76	YELLOW	42
72	4.0	2.0	1.0	1.0	1.0	2.0		10.30	YELLOW	43
73	2.5 ?	1.0	2.0	1.0	2.0	2.0	TARDIA	11.17	YELLOW	37
74	2.0	3.5	1.0	2.0	1.0	1.0		9.34	GREEN	41
75	2.0	3.5	1.0	1.0	1.0	1.0		10.83	GRNYLW	37
76	4.0	3.0	1.0	1.0	1.0	2.0		10.68	YELLOW	42
77	4.0	2.0	1.0	1.0	1.0	2.0		10.58	YELLOW	39
78	3.5	1.5	2.0	1.0	1.0	2.0		11.75	YELLOW	40
79	3.5	2.0	1.0 ?	1.0	1.0	2.0		11.00	YELLOW	42
80	2.5	1.0	2.0	1.0	2.0	1.0		11.91	YELLOW	46
81	4.0	2.0	1.0	1.0	1.0	1.0		11.33	YELLOW	31
82	2.0	2.0	1.0	1.0	1.0	1.0	TARDIA	13.37	YELLOW	46
83	2.0(?)	2.0	1.0	2.0	1.0	1.0		17.26	YELLOW	43
84	1.5	1.0	1.0	1.0	1.0	2.0	V. GOOD	16.88	YELLOW	40
85	3.0	4.0	1.0	1.0	2.5	1.0		9.88	GREEN	44
86	1.5	4.0	1.0	1.0	1.0	1.0	V. GOOD	10.23	GREEN	38
87	2.0	4.0	1.0	1.0	1.0	1.0		8.81	GREEN	44
88	2.5	4.0	1.0	4.0	2.0	1.0		8.53	GREEN	45
89	2.5	3.5	1.0	1.0	1.0	1.0		7.23	GREEN	39
90	2.0	4.0	1.0	1.0	1.0	1.0		8.74	GREEN	40
91	1.5	2.0	1.0	2.0	1.0	1.0		16.37	YELLOW	39
92	2.0	4.0	1.0	2.0	1.0	1.0		9.07	GREEN	43
93	2.0	2.0	1.0	2.0	1.0	1.0		14.79	YELLOW	43
94	2.0	2.0(?)	1.0	2.0	1.0	1.0		15.20	YELLOW	44
95	3.0(?)	1.0	1.0	2.0	1.0	1.0	TARDIA	12.66	GRNYLW	40
96	2.0	3.0	1.0	2.0	1.0	1.0		11.11	GREEN	42
97	2.0	1.0	2.0	2.0	1.0	1.0		14.88	YELLOW	0
98	2.0(?)	1.0	2.0	3.0	1.0	1.0		14.03	YELLOW	41
99	3.0(?)	2.0	1.0	1.0	1.0	1.0		14.25	YELLOW	38
100	3.0(?)	4.0	1.0	1.0	1.0	1.0		13.92	YELLOW	33



## INITIAL EVALUATION OF IITA SOYBEAN GERmplasm

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
101	TGX 307-7E	71	15	73	125	95	21	131	10
102	TGX 307-20E	77	19	73	143	100	23	153	0
103	TGX 307-25E	77	19	77	143	96	22	153	0
104	TGX 307-42E	71	12	60	137	93	20	138	0
105	TGX 307-73E	71	16	65	137	88	18	138	10
106	TGX 307-84E	72	18	70	129	121	23	138	10
107	TGX 307-104E	71	16	75	137	130	21	153	0
108	TGX 307-127E	77	17	80	129	108	20	131	10
108	TGX 311-4D	64	14	65	122	84	17	126	0
110	TGX 311-14C	60	15	55	111	86	17	117	0
111	TGX 311-14D	66	14	68	129	95	19	138	10
112	TGX 311-21D	70	17	65	129	95	18	131	0
113	TGX 311-23E	64	15	63	122	63	16	123	10
114	TGX 311-26C	60	13	50	109	80	19	117	0
115	TGX 311-27D	71	14	60	129	84	17	138	0
116	TGX 311-29D	70	16	53	125	65	17	131	0
117	TGX 311-29E	64	14	63	129	90	18	131	10
118	TGX 311-35D	64	14	57	125	107	23	131	0
119	TGX 311-36E	70	14	60	129	100	20	138	0
120	TGX 311-41D	70	15	70	125	77	15	131	0
121	TGX 311-42D	64	13	71	122	80	18	123	0
122	TGX 311-43F	64	14	62	125	85	18	131	0
123	TGX 311-44F	64	15	63	117	75	18	123	0
124	TGX 311-58E	70	17	47	125	70	17	131	10
125	TGX 311-59F	64	13	61	125	88	18	131	0
126	TGX 311-62F	64	14	56	122	79	17	126	0
127	TGX 311-72F	64	13	50	125	83	16	131	10
128	TGX 311-75F	64	15	60	125	65	15	126	0
129	TGX 311-101F	70	16	50	129	68	15	131	0
130	TGX 311-103F	71	16	55	129	75	17	131	0
131	TGX 311-104F	64	12	63	125	73	15	126	0
132	TGX 311-105F	64	14	50	122	50	15	126	0
133	TGX 315-024C	60	12	45	115	87	20	117	0
134	TGX 316-2F	70	15	70	109	103	20	110	20
135	TGX 316-24E	49	11	60	97	75	16	105	50
136	TGX 317-15F	55	13	60	97	74	14	105	10
137	TGX 317-37E	60	13	56	115	85	14	117	80
138	TGX 318-1F	64	14	77	125	100	17	126	0
139	TGX 318-4F	64	12	70	117	90	17	123	0
140	TGX 330-04E	55	11	55	117	81	13	131	0
141	TGX 332A-044D	64	16	63	122	90	19	131	50
142	TGX 340-2D	65	13	52	129	85	18	138	10
143	TGX 340-11D	65	13	66	129	95	20	138	10
144	TGX 340-14F	64	14	64	122	85	18	126	0
145	TGX 340-20E	70	14	75	117	95	17	126	10
146	TGX 342-2G	56	12	40	102	60	17	103	0
147	TGX 342-5E	70	16	80	116	83	19	110	40
148	TGX 342-6F	64	17	69	109	75	17	117	30
149	TGX 342-24E	65	14	53	115	55	15	117	0
150	TGX 342-356D	70	15	55	129	90	19	138	10



## INITIAL EVALUATION OF IITA SOYBEAN GERMPLOSM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
101	3.0	4.0	1.0	1.0	1.0	1.0		13.00	YELLOW	42
102	4.0(?)	3.5	1.0	1.0	1.0	1.0		15.34	YELLOW	38
103	?	2.0	1.0	1.0	1.0	1.0	LATE	15.26	YELLOW	42
104	3.0	4.0	1.0	1.0	1.0	1.0		14.89	YELLOW	45
105	3.5	3.0	1.0	1.0	1.0	1.0		16.93	YELLOW	38
106	2.5	3.5	1.0	1.0	1.0	1.0	LATE	15.23	YELLOW	45
107	3.0(?)	4.0	4.0	1.0	1.0	1.0	LATE	16.92	YELLOW	31
108	2.0	3.0	1.0	1.0	1.0	1.0		13.94	YELLOW	43
108	1.5	2.0	1.0	1.0	1.0	1.0	MILDIO	13.14	YELLOW	36
110	3.0	3.0	1.0	1.0	1.0	1.0		11.44	YELLOW	35
111	2.0	2.0	1.0	1.0	1.0	1.0		11.88	GREEN	45
112	1.5	2.0	2.0	1.0	1.0	1.0	MILDIO	12.28	GREEN	34
113	1.5	1.0	1.0	1.0	1.0	2.0	V GD/SO.	12.62	GREEN	34
114	3.0	3.5	1.0	1.0	1.0	1.0		12.08	YELLOW	37
115	1.5	1.0	1.0	2.0	1.0	1.0		15.26	YELLOW	38
116	1.5	1.0	1.0	2.0	1.0	1.0		14.36	GREEN	41
117	2.0	1.0	1.0	1.0	1.0	1.0	MILDIO	13.64	YELLOW	37
118	2.5	3.0	1.0	1.0	1.0	1.0		19.20	YELLOW	38
119	2.5	1.0	1.0	1.0	1.0	1.0	MILDIO	13.06	GREEN	39
120	1.5	1.0	1.0	1.0	1.0	1.0	MILDIO	11.31	YELLOW	41
121	1.5	1.0	2.0	1.0	1.0	3.0	MILDIO	13.56	YELLOW	36
122	2.0	1.0	1.0	2.0	1.0	1.0	MILDIO	12.68	GREEN	43
123	1.5	1.0	1.0	1.0	1.0	1.0	MILDIO	12.82	YELLOW	31
124	1.5	1.0	1.0	1.0	1.0	1.0		14.44	GREEN	39
125	1.5	1.0	1.0	2.0	1.0	1.0	MILDIO	13.78	YELLOW	42
126	1.5	1.0	1.0	2.0	1.0	1.0		12.72	YELLOW	44
127	1.5	1.0	1.0	2.0	1.0	1.0	MILDIO	13.31	YELLOW	43
128	1.5	1.0	1.0	1.0	1.0	1.0		14.18	GREEN	30
129	1.5	1.0	1.0	1.0	1.0	1.0		12.37	GREEN	33
130	1.5	1.0	1.0	1.0	1.0	1.0		13.83	GREEN	38
131	1.5	1.0	1.5	1.0	1.0	1.0		12.80	GREEN	38
132	1.5	2.0(?)	1.0	1.0	1.0	1.0		13.15	GRNYLW	38
133	3.0	1.0	2.0	1.0	1.0	1.0		13.52	BLACK	34
134	3.0	2.0	3.0	1.0	1.0	1.0		12.29	BLKBRN	0
135	3.0	?	?	?	1.0	1.0	PRECOCE	14.03	YELLOW	26
136	2.0	?	?	?	1.0	1.0	PRECOCE	11.58	BLACK	22
137	4.0	2.0	1.0	2.5	1.0	1.0		9.79	BLACK	40
138	2.0	2.5	1.0	2.5	1.0	1.0		12.71	BLACK	40
139	3.0	3.0	1.0	2.5	1.0	1.0		11.36	YELLOW	0
140	2.0	1.0	1.0	3.0	1.0	1.0		14.67	YELLOW	32
141	2.5	1.0	2.0	1.0	1.0	1.0		14.77	GRNYLW	15
142	2.0	3.0	1.0	2.0	1.0	1.0		14.47	BROWN	27
143	3.0	2.0	2.0	2.0	1.0	1.0		11.81	BLACK	38
144	1.5	3.0	1.0	1.0	1.0	1.0		11.88	BLACK	34
145	2.0	4.0	1.0	1.0	1.0	1.0		9.65	BRNGRN	42
146	3.0	3.0	1.0	1.0	1.0	1.0	PRECOCE	10.32	YELLOW	26
147	4.0	3.0	1.0	1.0	1.0	1.0		8.68	YELLOW	34
148	2.0(?)	3.0	1.0	1.0	1.0	2.0		9.50	GREEN	13
149	3.0	2.5	1.0	1.0	1.0	1.0	BAIXA	11.81	BLACK	38
150	3.0	2.0	1.0	2.0	1.0	1.0		13.91	BLACK	40





## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
151	TGX 342-470D	55	13	50	115	81	15	117	10
152	TGX 344-1D	65	15	56	129	125	22	138	0
153	TGX 356-063D	70	15	70	125	87	20	131	20
154	TGX 442-01D	65	13	68	122	86	18	123	40
155	TGX 442-02D	65	15	64	125	89	20	131	20
156	TGX 442-20D	66	14	73	122	86	19	131	20
157	TGX 463-01C	70	17	60	129	100	19	138	30
158	TGX 533-12D	55	12	50	109	78	16	116	0
159	TGX 533-14D	60	12	56	117	72	13	123	0
160	TGX 533-18D	59	12	70	117	67	15	123	0
161	TGX 533-21D	60	13	60	116	76	15	118	0
162	TGX 533-22D	60	14	55	115	70	15	118	0
163	TGX 533-65C	55	12	56	117	70	17	123	30
164	TGX 533-79C	61	15	45	117	75	18	123	30
165	TGX 533-80C	60	13	45	116	63	15	123	20
166	TGX 536-1D	56	12	46	115	71	18	118	0
167	TGX 536-03D	60	11	45	117	79	18	123	10
168	TGX 536-113C	55	11	52	115	65	13	118	0
169	TGX 539-1F	51	60	13	60	129	80	16	131
170	TGX 539-2D-4	60	14	50	137	78	16	138	0
171	TGX 539-2E	61	14	52	137	92	18	138	0
172	TGX 539-2F	60	13	60	122	74	15	126	0
173	TGX 539-3E	60	13	55	129	78	15	138	0
174	TGX 539-3F	56	12	51	125	85	16	131	0
175	TGX 539-5E	64	13	66	125	83	16	131	0
176	TGX 539-8E	60	12	46	125	80	13	131	0
177	TGX 542-2C	61	13	45	122	75	18	131	0
178	TGX 551-2D	71	16	70	129	110	23	138	0
179	TGX 553-14D	60	13	48	117	57	13	123	0
180	TGX 559-1D	64	15	75	125	85	20	131	0
181	TGX 559-3D	64	13	67	122	91	20	126	40
182	TGX 559-4D	56	14	40	116	73	20	123	100
183	TGX 559-5D	55	13	50	109	65	16	118	0
184	TGX 559-6D	64	15	61	122	83	19	126	90
185	TGX 559-7D	66	14	67	137	98	20	153	0
186	TGX 559-8D	64	14	80	122	100	19	126	80
187	TGX 560-1F	70	14	62	129	93	19	138	20
188	TGX 560-2D	65	15	70	125	94	21	131	20
189	TGX 560-3D	65	15	67	137	112	22	153	0
190	TGX 560-5D	65	15	60	125	91	19	131	20
191	TGX 560-11D	56	12	60	116	84	16	123	50
192	TGX 560-16D	56	14	42	129	87	19	131	20
193	TGX 560-16E	55	13	66	109	65	13	127	0
194	TGX 560-18F	60	14	51	125	68	17	131	0
195	TGX 560-19D	60	14	50	125	61	16	131	0
196	TGX 560-20D	65	16	59	137	66	17	143	0
197	TGX 560-23E	71	15	60	137	98	22	138	30
198	TGX 560-34E	64	16	60	122	77	22	131	0
199	TGX 560-35E	64	14	71	125	76	17	131	20
200	TGX 560-36E	69	18	45	129	65	19	143	50

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## INITIAL EVALUATION OF IITA SOYBEAN GERmplasm/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
151	3.0	2.5	1.0	1.0	1.0	1.0		11.94	GREEN	21
.52	2.5	2.0	1.0	2.0	1.0	1.0		11.11	YELLOW	23
153	2.0	4.0	1.0	2.0	1.0	1.0		12.80	YELLOW	40
154	2.0	2.0	1.0	2.0	1.0	1.0		12.20	MIX GY	32
155	2.5	2.0	1.0	2.0	1.0	1.0		11.28	MIX GY	22
156	2.0	1.0	1.0	2.0	1.0	1.0		11.66	GRNBRN	22
157	4.5	2.0	1.0	1.0	1.0	1.0		11.21	GREEN	41
158	2.5	?	1.0	1.0	1.0	1.0		13.69	BLACK	21
159	2.0	?	2.5	2.0	1.0	1.0		13.26	BLACK	31
160	2.0	3.0	1.0	1.0	1.0	1.0		13.72	BLACK	30
161	2.0	2.0(?)	3.0	1.0	1.0	1.0		11.47	BLACK	31
162	2.0	?	1.0(?)	2.0	1.0	1.0		14.22	GREEN	21
163								12.37	YLWBLK	23
164	2.0(?)	1.0(?)	2.0	1.0	1.0	1.0		13.90	GREEN	23
165	3.0(?)	2.5(?)	1.0	1.5	1.0	1.0		9.18	GREEN	33
166	3.0	1.0	3.0	1.0	1.0	1.0		11.11	BLACK	17
167	2.0	2.0	2.0	2.0	1.0	1.0		9.53	GREEN	25
168	2.0	2.0(?)	2.5	2.0	1.0	1.0	BAIXA	10.43	BLACK	37
169	1.5	1.0	2.0	1.0	1.0	1.0		11.60	BLACK	45
170	2.0	1.0	1.0	1.0	1.0	1.0		11.89	YELLOW	32
171	2.0	1.0	1.0	1.0	1.0	1.0		13.76	YELLOW	25
172	2.5	1.0	2.0	2.0	1.0	1.0		11.32	BLACK	46
173	2.0	1.0	1.0	1.0	1.0	1.0		10.28	GRNYLW	36
174	2.0	1.0	2.0	1.0	1.0	1.0	V. GOOD	11.09	BLACK	34
175	2.0	1.0	1.0	1.0	1.0	1.0	V. GOOD	10.25	BLACK	36
176	1.5	1.0	1.0	1.0	1.0	1.0	V. GOOD	10.90	BLACK	34
177	1.5	1.0	1.0	1.0	1.0	1.0		12.03	YELLOW	39
178	2.0	1.0	2.0	1.0	1.0	1.0		10.44	BLACK	42
179	2.0	1.0	2.0(?)	1.0	1.0	1.0	SHORT S.	14.18	BLACK	24
180	3.0	2.5	1.0	2.0	1.0	1.0		10.46	GRNYLW	32
181	3.5	2.5	1.0	1.0	1.0	1.0		9.88	YELLOW	32
182	3.5	3.0	1.0	1.0	1.0	1.0		10.19	YELLOW	25
183	2.5	?	1.0	1.0	1.0	1.0		13.75	YELLOW	29
184	4.5	2.0	1.0	1.0	1.0	1.0		10.32	MIX GY	36
185	4.0	1.0	2.0	1.0	1.0	1.0		11.12	YELLOW	29
186	4.5	2.0	1.0	1.0	1.0	1.0		10.84	BROWN	43
187	2.5	3.0	1.0	1.0	1.0	1.0		12.64	BLACK	39
188	2.0	1.0	1.0	1.0	1.0	1.0		11.43	GRNYLW	40
189	4.0	1.0(?)	1.0	1.0	1.0	1.0	TEST N	11.60	GRNYLW	42
190	3.5	2.5(?)	1.0	1.0	1.0	1.5		9.94	GRNYLW	38
191	3.0	2.5	1.0	1.0	1.0	1.0		12.03	YELLOW	24
192	2.0(?)	1.0	1.0	1.0	1.0	1.0		17.22	YELLOW	24
193	3.0	3.0	1.0	1.0	1.0	1.0		9.55	YELLOW	32
194	2.0	1.0	1.0	2.0	1.0	1.0	SHORT	12.77	YELLOW	33
195	2.0	1.0	1.0	1.0	1.0	1.0	SHORT	13.61	YELLOW	37
196	2.5(?)	1.0	3.0	1.0	1.0	1.0		15.42	YELLOW	36
197	4.0	1.0(?)	1.0	1.0	1.0	1.0	TEST N	11.48	MIX GY	38
198	2.5	?	1.0	1.0	1.0	1.0		8.93	YELLOW	41
199	2.5	1.0	1.0	2.5	1.0	1.0		12.54	YELLOW	38
200	3.0(?)	1.0	2.0	2.0	1.0	1.0		12.19	YELLOW	37

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## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
201	TGX 562-4D	64	17	57	125	90	22	131	20
202	TGX 568-1D	60	15	42	125	63	15	131	0
203	TGX 568-9D	64	13	42	129	59	15	131	0
204	TGX 568-20D	61	13	46	129	72	15	131	0
205	TGX 572-1G	77	17	77	143	100	23	153	0
206	TGX 572-2G	77	20	86	143	103	24	153	0
207	TGX 572-13F	60	12	52	137	80	16	138	0
208	TGX 573-01D	64	14	65	129	90	19	131	20
209	TGX 573-1E	55	13	45	112	59	13	118	0
210	TGX 573-2E	55	12	46	115	78	15	118	0
211	TGX 573-2F	64	15	61	125	67	19	131	0
212	TGX 573-3C	61	14	50	129	115	23	131	20
231	TGX 573-6C	77	17	80	129	90	20	138	0
214	TGX 573-15F	64	15	63	115	85	19	118	0
215	TGX 573-17F	61	13	62	111	95	19	123	80
216	TGX 573-59D	64	15	69	117	74	16	123	20
217	TGX 573-97D	75	17	75	125	105	22	131	60
218	TGX 573-99D	77	17	80	129	92	20	131	0
219	TGX 573-104C	55	12	45	109	60	13	118	0
220	TGX 573-107D	64	12	56	125	84	16	131	0
221	TGX 573-125D	61	13	45	125	77	16	131	0
222	TGX 573-129D	60	12	48	117	56	13	123	0
223	TGX 573-133D	77	17	78	129	90	17	131	0
224	TGX 573-160D	61	15	56	125	82	17	126	0
225	TGX 573-195E	71	14	60	125	82	16	131	70
226	TGX 573-196E	71	15	55	129	96	79	131	100
227	TGX 573-208E	77	17	75	129	105	21	131	90
228	TGX 573-209D	60	13	50	117	72	16	123	0
229	TGX 573-213D	75	17	67	125	75	14	131	0
230	TGX 573-219D	60	15	50	117	80	17	126	0
231	TGX 573-221E	61	13	55	122	67	15	126	0
232	TGX 573-225D	60	14	52	117	68	15	123	0
233	TGX 573-238D	60	14	54	122	89	17	126	0
234	TGX 573-280D	55	12	63	111	85	18	117	0
235	TGX 573-285D	55	14	60	115	85	15	117	0
236	TGX 573-317D	64	15	70	129	100	21	131	10
237	TGX 573-321D	65	15	62	117	80	17	123	0
238	TGX 573-329D	64	14	56	117	75	18	123	0
239	TGX 580-5F	70	13	60	129	95	20	138	10
240	TGX 599-1D	55	14	50	112	53	18	117	0
241	TGX 599-2D	55	14	57	115	63	19	0	0
242	TGX 599-3D	64	17	61	0	0	0	123	0
243	TGX 599-5D	61	13	47	122	99	20	126	40
244	TGX 599-16E	55	14	45	117	70	19	126	20
245	TGX 604-014C	66	16	50	137	103	23	153	0
246	TGX 604-1E-4	56	14	43	129	72	17	131	0
247	TGX 604-4D	78	18	33	143	98	22	0	0
248	TGX 604-6D	0	0	0	0	0	0	0	0
249	TGX 605-09C	77	19	62	137	95	21	138	20
250	TGX 709-01E	70	18	55	126	0	0	126	0



## INITIAL EVALUATION OF IITA SOYBEAN GERmplasm/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
201	4.0	3.0	1.0	2.0	1.0	1.0		11.60	YELLOW	32
202	1.5	1.0	1.0	1.0	1.0	1.0	SHORT	12.92	BLACK	38
203	1.5	1.0	2.0	1.0	1.0	1.0	SHORT	9.61	BLACK	46
204	2.0	1.0	1.0	1.0	1.0	1.0	SHORT	11.78	BLACK	40
205		3.0	1.0	1.0	1.0	1.0	V.LATE	15.06	YELLOW	37
206		4.0	1.0	1.0	1.0	1.0	V.LATE	13.10	YELLOW	36
207	2.0	1.0	1.0	1.0	1.0	1.0		14.19	YELLOW	27
208	3.0	1.0	1.0	1.0	1.0	1.0		19.13	YELLOW	41
209	3.0	2.0(?)	1.0	1.0	1.0	1.0		11.68	BLACK	36
210	2.5	1.0	1.0	1.0	1.0	1.0		15.10	BLACK	41
211	2.0	1.0	1.0	1.0	1.0	1.0		12.78	GREEN	43
212	2.0	3.0	1.0	1.0	1.0	1.0		16.90	YELLOW	37
231	2.5	3.5	1.0	1.0	1.0	1.0		12.81	YELLOW	41
214	2.0(?)	1.0	1.0	1.0	1.0	1.0		12.44	YELLOW	43
215	4.0	2.5	1.0	2.0	1.0	1.0		12.34	YELLOW	35
216	2.0	1.0	1.0	1.0	1.0	1.0		12.72	YELLOW	45
217	4.0	3.5	1.0	1.0	1.0	1.0		12.76	YELLOW	36
218	2.0	1.0	1.0	2.0	1.0	1.0	TEST N	12.90	GREEN	38
219	3.5	1.0	1.0	1.0	1.0	1.0		10.85	BLACK	39
220	2.0	1.0	1.0	1.0	1.0	1.0	V. GOOD	11.36	YELLOW	36
221	1.5(?)	2.0(?)	1.0	1.0	1.0	2.0	V. GOOD	13.21	YELLOW	42
222	1.5	2.0(?)	1.0	1.0	1.0	1.0	SHORT S	11.60	YELLOW	43
223	2.0	3.0	1.0	1.0	1.0	1.0		13.18	GREEN	36
224	2.0	1.0	1.0	1.0	1.0	1.0		13.84	YELLOW	44
225	4.0	4.0	1.0	1.0	1.0	1.0		13.31	YELLOW	36
226	4.0	3.5	1.0	1.0	1.0	1.0		12.26	YELLOW	37
227	4.0	4.0	1.0	1.0	1.0	1.0		12.51	YELLOW	36
228	1.5	1.0	1.0	1.0	1.0	1.0		11.45	YELLOW	42
229	2.0	3.0	1.0	1.0	1.0	1.0		12.02	YELLOW	30
230	1.5	1.0	1.0	1.0	1.0	1.0		14.08	YELLOW	39
231	1.5	1.0	1.0	1.0	1.0	1.0		12.34	YELLOW	39
232	1.5	1.0	1.0	1.0	1.0	1.0		13.20	YELLOW	41
233	1.5	1.0	1.0	1.0	1.0	1.0		11.82	YELLOW	40
234	2.0	3.0(?)	1.0	1.0	1.0	1.0		12.74	BLACK	28
235	2.5	1.0	1.0	2.0	1.0	1.0		15.44	BLACK	36
236	2.5	2.0	1.0	1.0	1.0	1.0		17.12	YELLOW	27
237	1.5	1.0	1.0	1.0	1.0	1.0		13.63	YELLOW	26
238	1.5	1.0	1.0	1.0	1.0	1.0		12.66	YELLOW	29
239	3.5	3.0	1.0	1.0	1.0	1.0		15.30	BROWN	42
240	2.5(?)	3.0(?)	1.0	2.0	1.0	1.0		13.44	YELLOW	40
241	3.0	1.0	2.0	1.0	1.0	1.0		13.65	YELLOW	34
242	3.5	2.0(?)	1.0	2.0	1.0	1.0		0.00	YELLOW	0
243	3.0	1.0	1.0	1.0	1.0	1.0		12.95	YELLOW	24
244	?	?	?	?	?	?		13.27	YELLOW	33
245								13.97	YELLOW	39
246	2.0	1.0	1.0	1.0	1.0	1.0		16.84	YELLOW	35
247	4.0	4.0	1.0	1.0	1.0	1.0		17.68	YELLOW	32
248								0.00		0
249	4.0	4.0	1.0	1.0	1.0	1.0	V.LATE	10.20	GRNYLW	41
250	2.0(?)	1.0	2.5	2.0	1.0	1.0		0.00		0





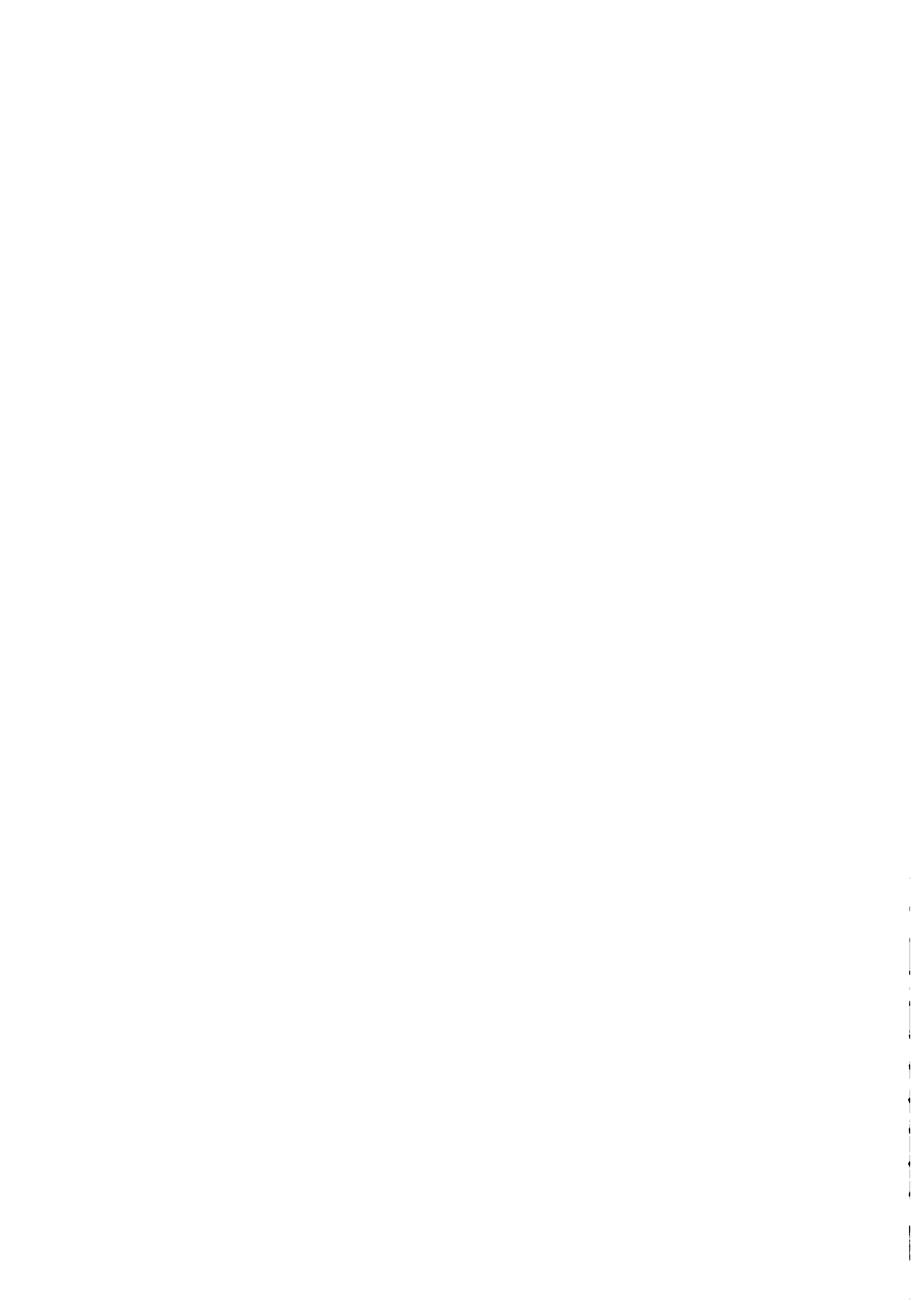
## INITIAL EVALUATION OF IITA SOYBEAN GERMPASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
251	TGX 709-03D	70	16	75	125	90	18	131	30
252	TGX 709-05D	66	16	58	125	80	18	126	0
253	TGX 709-06D	60	14	45	125	68	15	125	0
254	TGX 709-8E	65	15	57	125	75	16	131	0
255	TGX 709-45E	70	16	60	125	79	17	131	10
256	TGX 709-50E	61	14	48	117	65	15	126	10
257	TGX 709-51E	65	15	64	125	62	15	131	0
258	TGX 709-55E	70	15	55	117	65	16	131	0
259	TGX 709-57E	70	16	65	125	85	17	126	0
260	TGX 709-61E	69	14	60	129	80	15	131	0
261	TGX 709-65E	69	15	65	117	90	21	123	30
262	TGX 710-3E	64	16	52	117	57	16	126	20
263	TGX 710-3F	65	15	35	125	65	15	131	20
264	TGX 710-4F	70	15	65	137	90	18	153	0
265	TGX 711-01D	65	13	57	129	95	20	138	0
266	TGX 711-9E	64	14	64	125	75	19	131	80
267	TGX 711-10F	70	16	60	137	0	0	138	50
268	TGX 712-01D	78	19	80	0	0	0	165	0
269	TGX 713-01D	70	15	65	129	85	18	138	30
270	TGX 713-011D	71	15	65	137	90	19	153	0
271	TGX 713-1F	65	12	65	125	85	19	131	20
272	TGX 713-2E	65	15	70	125	80	16	131	0
273	TGX 713-4F	65	13	60	129	95	21	131	60
274	TGX 713-09D	71	15	65	137	83	18	138	0
275	TGX 716-01E	64	16	66	125	88	17	131	10
276	TGX 716-02E	64	17	65	125	85	17	131	0
277	TGX 716-6E	65	14	71	125	78	17	153	0
278	TGX 716-14E	61	16	45	125	57	15	126	10
279	TGX 718-01E	66	14	71	125	90	22	131	90
280	TGX 718-04E	71	16	65	129	96	20	138	40
281	TGX 722-6E	66	15	57	137	90	22	153	0
282	TGX 722-7E	70	15	55	129	97	20	138	0
283	TGX 722-8E	71	15	60	137	95	20	153	0
284	TGX 722-9E	71	14	60	137	110	20	153	0
285	TGX 722-20E	70	14	60	137	115	24	153	0
286	TGX 722-21E	69	14	70	137	100	20	153	0
287	TGX 722-22E	71	15	55	137	110	23	153	0
288	TGX 722-23E	71	15	65	137	94	19	153	0
289	TGX 722-24E	70	15	55	137	0	0	0	153
290	TGX 722-32E	65	14	64	125	90	19	131	70
291	TGX 722-34E	65	14	69	125	85	19	131	70
292	TGX 722-110E	65	15	67	125	95	19	131	30
293	TGX 722-149E	64	14	75	122	95	18	131	100
294	TGX 722-153E	65	16	76	125	98	20	138	40
295	TGX 722-154E	70	15	70	125	100	21	131	80
296	TGX 722-155E	65	15	54	117	70	18	131	20
297	TGX 722-157E	64	15	61	125	77	19	131	60
298	TGX 722-169E	65	15	67	125	91	20	131	20
299	TGX 722-177E	61	16	57	125	88	19	131	40
300	TGX 724-07E	70	15	70	137	94	19	143	0



## INITIAL EVALUATION OF IITA SOYBEAN GERmplasm/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
251	3.0	1.0	2.0	1.0	1.0	1.0		12.32	YELLOW	40
252	2.0	1.0	2.0	1.5	1.0	1.0		15.58	YELLOW	32
253	2.0	4.5	1.0	1.0	1.0	1.0		12.20	YELLOW	37
254	2.0	1.0	1.0	2.0	1.0	1.0		12.83	YELLOS	45
255	2.0	1.0	1.0	1.0	1.0	1.0		14.74	YELLOW	39
256	2.0	3.0(?)	1.0	1.0	1.0	1.0		15.20	YELLOW	41
257	2.0	1.0	1.0	1.0	1.0	3.0		15.40	YELLOW	43
258	2.0	1.0	1.0	1.0	1.0	1.0	V. GOOD	15.46	YELLOW	35
259	1.5	1.0	1.0	1.0	1.0	1.0		13.51	YELLOW	31
260	2.0	1.0	1.0	1.0	1.0	1.0		17.71	YELLOW	37
261	2.0	3.5	1.0	1.0	1.0	1.0	TEST N	12.70	YELLOW	35
262	2.0	2.0(?)	1.0	1.0	1.0	1.0		11.02	YELLOW	42
263	2.0	1.0	1.0	2.0	1.0	1.0	REC.GRD	11.69	YELLOW	21
264	1.5	1.0	1.0	2.0	1.0	1.0	MIX,TE N	12.43	YELLOW	31
265	1.5	2.5	1.0	1.0	1.0	1.0		17.53	YELLOW	41
266	3.0	2.0	1.0	1.0	1.0	1.0		13.10	YELLOW	40
267	3.5	1.0	1.0	1.0	1.0	1.0		13.13	YELLOW	36
268		3.0	1.0	1.0	1.0	1.0	LATE N	13.09	YELLOW	38
269	2.5	2.5(?)	1.0	1.0	1.0	1.0		12.81	GREEN	39
270		2.5	1.0	1.0	1.0	1.0	N,V.LATE	16.47	YELLOW	35
271	2.5	4.0	1.0	1.0	1.0	1.0		14.42	BROWN	43
272	1.5	1.0	1.0	1.0	1.0	1.0		12.09	YELLOW	37
273	2.5	3.5	1.0	1.0	1.0	1.0		17.41	BROWN	42
274	2.0	2.5	1.0	1.0	1.0	1.0		17.63	MIX GY	39
275	1.5	1.0	1.0	1.0	1.0	1.0		12.23	YELLOW	36
276	1.5	1.0	1.0	1.0	1.0	1.0		13.97	YELLOW	39
277	2.0	1.0	1.0	1.0	1.0	1.0	MIX	13.69	YELLOW	31
278	2.0	1.0	1.0	1.0	1.0	1.0	SHORT	14.69	YELLOW	36
279	4.0	2.0	1.0	1.0	1.0	1.0		16.71	YELLOW	28
280	3.0	1.0	1.0	1.0	1.0	1.0		14.96	YELLOW	37
281	2.5	2.5	1.0	1.0	1.0	1.0	NORTH	17.66	YELLOW	36
282	3.0	2.5	1.0	1.0	1.0	1.0	NORTH	14.54	YELLOW	40
283	3.5	2.5	1.0	1.0	1.0	1.0	NORTH	17.19	YELLOW	28
284	?	2.0	1.0	1.0	1.0	1.0	V. LATE	16.72	YELLOW	35
285	3.0	2.5	1.0	1.0	1.0	1.0		18.56	YELLOW	39
286	3.0	2.5	1.0	1.0	1.0	1.0	NORTH	18.23	YELLOW	36
287	3.0	2.5	1.0	1.0	1.0	1.0	NORTH	19.01	YELLOW	37
288	3.0	2.5	1.0	1.0	1.0	1.0		16.11	YELLOW	41
289	3.5(?)	2.0(?)	1.0	1.0	1.0	1.0		0.00		0
290	3.0	3.0	1.0	1.0	1.0	1.0		13.93	YELLOW	32
291	3.0	3.0	1.0	1.0	1.0	1.0		14.30	YELLOW	36
292	3.5	3.0	1.0	1.0	1.0	1.0		12.80	YELLOW	34
293	3.5	3.5	1.0	1.0	1.0	1.0		12.95	YELLOW	36
294	3.5	3.5	1.0	1.0	1.0	1.0		13.42	YELLOW	41
295	3.5	3.5	1.0	1.0	1.0	1.0		13.04	YELLOW	41
296	2.0	2.5	1.0	1.0	1.0	1.0		12.72	YELLOW	42
297	2.5	3.0	1.0	1.0	1.0	1.0		13.79	YELLOW	37
298	2.0	3.0	1.0	1.0	1.0	1.0		12.83	YELLOW	29
299	2.5	2.5	1.0	1.0	1.0	1.0		12.74	YELLOW	31
300	2.0(?)	3.0	1.0	1.0	1.0	1.0	MIX ?	14.24	YELLOW	40



## INITIAL EVALUATION OF IITA SOYBEAN GERmplasm

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
301	TGX 725-01D	70	15	50	129	65	16	131	70
302	TGX 725-011D	84	17	85	137	85	17	153	0
303	TGX 725-02D	70	15	60	125	78	17	131	70
304	TGX 725-05D	70	16	50	125	56	15	131	0
305	TGX 725-5E	70	16	55	125	75	18	131	20
306	TGX 725-15E	70	16	65	137	65	15	153	0
307	TGX 726-01E	65	12	55	125	111	23	138	0
308	TGX 742-02D	84	17	79	143	101	22	165	0
309	TGX 742-2D	71	16	65	0	0	0	165	0
310	TGX 742-03D	84	20	85	143	110	23	165	0
311	TGX 742-3D	95	22	99	0	0	0	165	0
312	TGX 742-05D	18	20	96	0	0	0	0	0
313	TGX 742-012D	18	20	92	0	0	0	0	0
314	TGX 744-01E	66	14	66	129	95	21	141	60
315	TGX 744-02E	70	16	73	137	90	20	153	0
316	TGX 748-01D	66	16	53	141	120	27	141	0
317	TGX 752-3F	71	16	55	129	88	20	141	0
318	TGX 757-02E	74	12	54	125	76	17	131	10
319	TGX 757-3E	70	16	70	137	92	19	153	0
320	TGX 757-05D	70	17	65	129	93	18	141	0
321	TGX 757-06E	70	18	60	129	85	19	141	0
322	TGX 757-11E	71	19	70	137	90	19	141	0
323	TGX 758-02E	71	15	65	129	75	16	153	0
324	TGX 758-2E	71	16	65	129	80	17	153	0
325	TGX 758-2F	70	16	70	129	70	16	141	0
326	TGX 758-04D	70	16	75	129	79	18	153	0
327	TGX 758-5E	65	13	60	137	88	20	138	0
328	TGX 758-6E	70	15	60	129	76	16	138	0
329	TGX 758-7E	70	17	65	129	75	17	138	0
330	TGX 758-9E	70	17	70	129	80	19	138	0
331	TGX 764-01D	70	16	50	129	70	18	138	0
332	TGX 766-8D	69	16	45	137	105	24	138	0
333	TGX 766-16D	74	17	64	129	105	23	138	40
334	TGX 766-16F	70	16	55	129	90	20	131	0
335	TGX 775-03E	70	17	60	125	101	23	138	20
336	TGX 780-1F	60	13	42	122	45	13	123	0
337	TGX 780-3F	60	14	55	116	72	16	123	20
338	TGX 780-4E	60	14	45	129	70	16	138	0
339	TGX 780-4F	56	11	40	109	0	53	17	118
340	TGX 780-5E	65	16	50	129	73	18	138	0
341	TGX 780-6F	58	13	40	111	53	15	118	0
342	TGX 780-7F	58	11	44	109	59	14	118	0
343	TGX 780-8F	60	13	50	109	57	15	118	20
344	TGX 780-2E	64	15	58	125	97	21	131	0
345	TGX 780-2F	56	12	45	117	53	13	123	0
346	TGX 780-3E	64	16	64	125	104	23	131	40
347	TGX 789-2F	70	14	65	129	105	23	153	0
348	TGX 789-3E	60	13	45	125	75	17	131	0
349	TGX 789-16E	60	13	42	125	80	17	131	30
350	TGX 790-1F	60	12	55	129	75	15	153	0



## INITIAL EVALUATION OF IITA SOYBEAN GERmplasm/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
301	2.5	1.0	1.0	1.0	1.0	2.5		12.32	YELLOW	31
302	?	2.0(?)	1.0	1.0	1.0	1.0	NORTH	10.71	GREEN	31
303	2.0	1.0	1.0	1.0	1.0	1.0		12.56	YELLOW	34
304	2.0	1.0	1.0	1.0	1.0	1.0	SHORT	13.12	YELLOW	39
305	1.5	1.0	1.0	1.0	1.0	1.0	V. GOOD	12.76	YELLOW	36
306	2.0	2.5	1.0	1.0	1.0	1.0	NORTH	12.57	YELLOW	37
307	2.0	1.5	1.0	1.0	1.0	1.0	V.GD,NTH	12.08	YELLOW	32
308	?	1.0	1.0	1.0	1.0	1.0	MIX LT N	12.30	YELLOW	29
309	3.0	1.0	1.0	1.0	1.0	1.0	NORTH	12.33	YELLOW	25
310	3.0	1.0	1.0	1.0	1.0	1.0	NORTH	11.14	YELLOW	29
311	4.5	1.0	1.0	1.0	1.0	1.0	NORTH	11.06	YELLOW	29
312	3.5	1.0	1.0	1.0	1.0	1.0	NORTH	11.63	YELLOW	23
313	3.5	1.0	1.0	1.0	1.0	1.0	NORTH	11.90	YELLOW	16
314	4.0	1.0	1.0	1.0	1.0	1.0		10.69	GREEN	26
315	3.5	1.0	1.0	1.0	1.0	1.0		12.93	MIX GY	25
316	?							0.00		0
317	2.5	2.5(?)	1.0	1.0	1.0	1.0		16.97	YELLOW	30
318	2.0	1.0	1.0	1.0	1.0	1.0		13.67	YELLOW	31
319	2.5	2.0(?)	1.0	1.0	1.0	1.0		13.17	YELLOW	26
320	2.0	1.0	1.0	1.0	1.0	1.0		14.67	YELLOW	30
321	3.0	1.0	1.0	2.0	1.0	1.0		14.19	YELLOW	25
322	2.0	1.0	1.0	1.0	1.0	1.0		14.57	YELLOW	33
323	2.0	1.0	1.0	1.0	1.0	1.0		13.46	YELLOW	39
324	2.0	1.0	2.0	1.0	1.0	1.0		14.50	YELLOW	42
325	2.0	1.0	1.0	1.0	1.0	1.0		13.63	YELLOW	37
326	2.0	1.0	1.0	1.0	1.0	1.0		12.72	YELLOW	37
327	2.5	1.0	1.0	1.0	1.0	1.0		17.94	YELLOW	36
328	1.5	1.0	1.0	1.0	1.0	1.0	V. GOOD	13.97	YELLOW	33
329	2.0	1.0	1.0	1.0	1.0	1.0		14.05	YELLOW	37
330	2.0	2.0	1.0	1.0	1.0	1.0		14.85	YELLOW	37
331	2.0	1.0	1.0	1.0	1.0	1.0		13.45	YELLOW	29
332	3.0(?)	2.5(?)	1.0	1.0	1.0	1.0		14.54	YELLOW	40
333	3.5	1.0	1.0	1.0	1.0	1.0		14.54	YELLOW	40
334	3.0	2.5(?)	1.0	1.0	1.0	1.0	NORTH	0.00		0
335	3.0	1.0	1.0	1.0	1.0	1.0	NORTH	14.92	YELLOW	41
336	3.0	2.5(?)	1.0	1.0	1.0	1.0	SHORT	15.74	YELLOW	35
337	2.5	3.5	1.0	1.0	1.0	1.0		16.70	YELLOW	40
338	2.0	2.5(?)	1.0	1.0	1.0	1.0	V. GOOD	13.01	YELLOW	40
339	2.0	3.0(?)	1.0	1.0	1.0	1.0	V.GD,SHR	13.18	YELLOW	45
340	1.5	1.0	2.0	1.0	1.0	1.0	V. GOOD	12.65	YELLOW	38
341	2.0	3.0(?)	1.0	1.0	1.0	1.0	SHORT	13.48	YELLOW	34
342	2.0	3.0(?)	1.0	1.0	1.0	1.0	SHORT	13.87	YELLOW	27
343	2.0	3.0(?)	1.0	1.0	1.0	1.0	SHORT	13.40	YELLOW	35
344	2.0	2.0	1.0	1.0	1.0	1.0	MIX	13.27	YELLOW	0
345	2.0	1.0	1.0	1.0	1.0	1.0	SHRT LOW	15.91	YELLOW	42
346	2.5	2.0(?)	1.0	1.0	1.0	1.0		17.52	YELLOW	33
347	2.0	1.0	1.0	1.0	1.0	1.0	NORTH	16.72	YELLOW	41
348	2.0	1.0	1.0	1.0	1.0	1.0		18.77	YELLOW	38
349	2.5	2.0(?)	1.0	1.0	1.0	2.0		16.65	YELLOW	37
350	2.0	1.0	1.0	1.0	1.0	1.0		13.40	YELLOW	41





## INITIAL EVALUATION OF IITA SOYBEAN GERmplasm

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
351	TGX 790-16F	60	13	50	117	90	17	126	0
352	TGX 796-01D	77	18	80	0	0	0	172	0
353	TGX 802-27E	53	12	60	116	70	15	123	0
354	TGX 802-28E	64	13	53	129	80	19	141	0
355	TGX 802-39E	73	16	60	137	72	15	153	0
356	TGX 802-62E	64	13	60	129	61	15	143	0
357	TGX 802-87E	75	17	85	129	90	17	131	60
358	TGX 802-94E	73	18	88	125	95	18	131	60
359	TGX 802-97D	56	14	45	116	77	18	123	20
360	TGX 802-99D	60	12	35	115	65	15	123	0
361	TGX 802-100E	55	13	25	117	65	20	123	0
362	TGX 802-107D	66	12	46	122	53	15	131	60
363	TGX 802-107E	64	13	59	129	64	15	141	0
364	TGX 802-111E	65	15	63	125	89	21	143	10
365	TGX 802-125D	70	16	50	137	70	16	143	0
366	TGX 802-126D	67	15	58	143	70	17	165	0
367	TGX 802-150D	55	14	45	115	75	18	118	0
368	TGX 802-152D	55	13	40	112	80	18	118	0
369	TGX 802-182D	70	14	60	125	80	17	131	10
370	TGX 802-188D	55	16	40	125	83	22	131	0
371	TGX 802-222D	60	14	40	116	56	17	123	50
372	TGX 802-231D	64	14	54	125	74	19	131	0
373	TGX 802-244D	56	14	50	116	77	19	123	40
374	TGX 802-246D	61	15	44	122	59	17	126	30
375	TGX 802-247D	70	16	55	122	66	17	126	20
376	TGX 802-249D	60	13	40	122	87	22	126	30
377	TGX 802-252D	70	17	60	122	80	18	126	10
378	TGX 802-255D	64	11	72	117	80	17	123	20
379	TGX 802-258D	61	15	45	116	70	19	123	40
380	TGX 802-260D	70	16	55	137	70	18	153	0
381	TGX 802-262D	69	19	60	129	78	21	141	50
382	TGX 802-265D	70	16	60	125	73	16	131	20
383	TGX 802-319D	70	17	55	137	62	19	143	10
384	TGX 802-321D	65	18	56	137	60	18	153	0
385	TGX 802-327D	70	18	60	117	81	21	123	100
386	TGX 802-335D	64	15	69	122	80	21	123	100
387	TGX 802-339D	61	12	50	122	83	20	126	100
388	TGX 803-7D	65	13	54	122	66	15	131	20
389	TGX 803-17D	70	16	47	125	60	16	131	30
390	TGX 803-28D	69	16	50	137	71	17	153	0
391	TGX 803-73D	55	13	55	125	103	21	131	0
392	TGX 803-79D	55	14	45	117	80	18	123	0
393	TGX 803-81D	64	14	49	129	97	23	153	0
394	TGX 803-86D	70	14	55	116	63	16	123	30
395	TGX 803-88D	55	13	45	117	70	20	125	10
396	TGX 803-90E	61	16	42	137	55	16	143	0
397	TGX 803-95D	55	14	46	115	75	22	123	50
398	TGX 803-95E	63	15	55	0	0	0	131	0
399	TGX 803-96D	55	14	43	111	70	19	118	0
400	TGX 803-97D	55	13	46	117	69	20	126	20



PAGE NO. 00008

## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
351	2.0	3.0	1.0	1.0	1.0	1.0		11.23	YELLOW	36
352	?	1.0	1.0	1.0	1.0	1.0	NORTH	11.72	MIX GY	21
353	2.5	1.0	1.0	1.0	1.0	1.0		12.71	YELLOW	33
354	3.0	3.0	1.0	1.0	1.0	1.0		14.52	YELLOW	35
355	?	1.0	1.0	1.0	1.0	1.0		10.43	YELLOW	37
356	2.0	?	1.0	1.0	1.0	1.0		11.77	YELLOW	40
357	3.0	1.0	1.0	1.0	1.0	1.0		7.92	YELLOW	38
358	2.0	1.0	1.0	1.0	1.0	1.0		7.27	YELLOW	35
359	2.0	1.0	1.0	1.0	1.0	1.0		10.15	YELLOW	41
360	1.5	1.0	1.0	1.0	1.0	1.0	LOW,GD	5.91	YELLOW	44
361	2.0	3.0	1.0	1.0	1.0	1.0		13.28	YELLOW	29
362	2.5	2.0(?)	1.0	1.0	1.0	1.0		8.11	YELLOW	42
363	1.5	3.0(?)	1.0	1.0	1.0	1.0	GD,LOW	9.65	YELLOW	43
364	2.0	2.5	1.0	1.0	1.0	1.0		9.35	YELLOW	43
365	2.0	1.0	1.0	1.0	1.0	1.0		9.33	YELLOW	47
366	?	1.00	1.0	1.0	1.0	1.0	MIX	9.67	YELLOW	47
367	3.0	1.0	1.0	1.0	1.0	1.0		11.09	YELLOW	43
368	3.0	1.0	1.0	1.0	1.0	1.0		10.56	YELLOW	39
369	1.5	1.0	1.0	1.0	1.0	1.0		13.24	YELLOW	42
370	2.0	1.0	1.0	1.0	1.0	1.0		17.77	YELLOW	35
371	3.0(?)	1.0	1.0	1.0	1.0	1.0		9.44	YELLOW	41
372	?	3.0	1.0	1.0	1.0	1.0		0.00		0
373	2.0	1.0	1.0	1.0	1.0	1.0		10.60	YELLOW	42
374	2.5	1.0	1.0	2.0	1.0	1.0		7.69	YELLOW	20
375	2.0	1.0	1.0	1.0	1.0	1.0		7.87	YELLOW	29
376	3.0	2.5	1.0	1.0	1.0	1.0		12.91	YELLOW	31
377	2.0	3.0	1.0	1.0	1.0	1.0		6.12	YELLOW	45
378	1.5	1.0	1.0	2.0	1.0	1.0		7.04	YELLOW	34
379	2.5	1.0	2.0	1.0	1.0	1.0		10.26	YELLOW	40
380	2.0	1.0	1.0	1.0	1.0	1.0		12.17	MIX GY	37
381	3.5	2.5(?)	1.0	1.0	1.0	1.0		11.63	YELLOW	42
382	3.0	3.0	1.0	1.0	1.0	1.0		7.30	YELLOW	44
383	2.5	1.0	1.0	1.0	1.0	1.0		11.63	YELLOW	36
384	2.0	1.0	1.0	1.0	1.0	1.0		11.85	YELLOW	32
385	4.0	1.0	1.0	1.0	1.0	1.0		10.65	YELLOW	41
386	4.5	1.0	1.0	3.0	1.0	1.0		9.15	YELLOW	43
387	4.0	1.0	1.0	3.0	1.0	1.0		9.28	YELLOW	39
388	2.0	1.0	1.0	1.0	1.0	1.0		8.81	YELLOW	35
389	2.0	1.0	2.0	1.0	1.0	1.0		13.79	YELLOW	32
390	2.0	1.0	1.0	1.0	2.0	1.0		11.04	YELLOW	34
391	3.0	4.0	1.0	1.0	3.5	1.0		12.42	YELLOW	37
392	2.0	1.0	1.0	1.0	1.0	1.0	LATE N	9.00	YELLOW	23
393	?	1.0	1.0	1.0	1.0	1.0	NORTH	10.92	YELLOW	39
394	2.5	1.0	1.0	1.0	1.0	1.0		10.56	YELLOW	0
395	3.0	2.5(?)	1.0	1.0	1.0	1.0		0.00	YELLOW	36
396	2.0	?	1.0	1.0	1.0	?	SHORT	10.27	YELLOW	31
397	3.5	2.5	1.0	1.0	1.0	1.0		15.34	YELLOW	38
398	3.0	1.0	1.0	1.0	1.0	1.0		0.00	YELLOW	0
399	3.0	2.5	1.0	1.0	1.0	1.0		14.06	YELLOW	30
400	2.0	1.0	2.0	1.0	1.0	1.0	SHORT	12.11	YELLOW	42



## INITIAL EVALUATION OF IITA SOYBEAN GERmplasm

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
401	TGX 803-99E	64	13	45	125	55	15	131	0
402	TGX 803-133D	70	16	55	137	60	16	153	0
403	TGX 811-10D	56	13	45	116	78	19	117	0
404	TGX 811-27D	55	14	55	116	69	17	117	0
405	TGX 813-3E	55	12	40	125	95	17	131	20
406	TGX 813-4E	59	12	45	122	90	21	131	20
407	TGX 813-5D	65	15	56	122	82	18	126	20
408	TGX 813-5E	60	13	40	137	60	15	141	0
409	TGX 813-6D	70	17	80	122	85	18	126	30
410	TGX 813-7D	70	17	75	122	85	17	126	20
411	TGX 813-8D	70	16	80	122	80	17	126	20
412	TGX 813-10D	64	15	49	118	60	16	123	0
413	TGX 813-11D	64	16	56	116	63	17	123	30
414	TGX 813-12D	70	17	60	122	78	18	123	30
415	TGX 813-13D	65	16	61	122	75	18	123	30
416	TGX 813-14D	65	15	62	117	65	16	123	30
417	TGX 813-15D	65	15	64	122	77	18	126	20
418	TGX 813-17D	65	16	68	117	69	16	123	0
419	TGX 813-19D	65	15	57	125	85	19	139	40
420	TGX 813-22D	64	14	52	122	56	17	126	0
421	TGX 813-25D	70	15	50	125	59	15	131	20
422	TGX 813-23D	64	16	57	122	61	16	131	0
423	TGX 813-34D	65	15	58	122	80	15	131	0
424	TGX 813-38D	70	15	60	122	83	17	131	0
425	TGX 814-8E	60	14	45	129	80	19	141	10
426	TGX 814-13D	64	16	67	129	80	18	141	0
427	TGX 814-15E	70	19	75	137	110	20	153	0
428	TGX 814-17D	61	14	46	129	65	16	141	20
429	TGX 814-17E	64	12	66	137	80	19	153	0
430	TGX 814-18D	60	12	45	129	65	17	141	0
431	TGX 814-18E	64	12	73	137	90	19	143	0
432	TGX 814-19E	65	12	78	137	91	18	143	0
433	TGX 814-21E	61	14	58	129	90	17	141	0
434	TGX 814-22E	61	14	50	129	90	17	141	0
435	TGX 814-23E	60	13	55	129	88	16	141	0
436	TGX 814-24E	64	16	64	129	87	17	141	0
437	TGX 814-25E	61	13	52	129	84	17	141	0
438	TGX 814-26D	61	13	55	129	76	15	141	0
439	TGX 814-26E	61	12	63	129	80	18	141	0
440	TGX 814-27D	64	16	64	129	74	17	143	0
441	TGX 814-28D	64	15	58	137	65	16	153	0
442	TGX 814-28E	65	14	60	129	79	18	141	0
443	TGX 814-29D	70	17	55	137	70	17	143	0
444	TGX 814-30D	70	15	60	129	85	18	141	0
445	TGX 814-31E	65	15	61	129	73	17	143	0
446	TGX 814-32D	70	16	50	137	63	17	143	0
447	TGX 814-32E	64	15	56	129	77	19	141	0
448	TGX 814-33D	66	17	54	137	71	18	153	0
449	TGX 814-33E	61	14	50	129	75	16	141	0
450	TGX 814-34D	65	14	63	129	85	19	143	0



## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
401	2.0	1.0	1.0	1.0	1.0	1.0		8.59	YELLOW	48
402	2.5	1.0	1.0	1.0	1.0	1.0		10.36	YELLOW	44
403	2.5	1.0	1.0	1.0	1.0	1.0		11.18	BROWN	37
404	2.5	1.0	1.0	1.0	1.0	1.0		10.84	BLACK	35
405	2.0	1.0	2.0	1.0	1.0	1.0		11.32	YELLOW	32
406	2.0	1.0	2.0	1.0	1.0	1.0		11.05	YELLOW	32
407	2.0	1.0	2.0	1.0	1.0	1.0		12.26	YELLOW	47
408	?	?	?	?	?	?	MIX	10.90	YELLOW	34
409	2.5	1.0	3.0	1.0	1.0	1.0		12.06	YELLOW	36
410	2.5	1.0	3.0	1.0	1.0	1.0		12.90	YELLOW	45
411	2.5	1.0	3.0	1.0	1.0	1.0		11.57	YELLOW	45
412	2.0	3.0(?)	1.0	1.0	1.0	1.0		12.71	YELLOW	31
413	3.0	1.0	2.0	1.0	1.0	1.0		11.16	YELLOW	39
414	2.0	1.0	2.0	1.0	1.0	1.0		12.71	YELLOW	34
415	2.5	1.0	2.0	1.0	1.0	1.0		12.03	YELLOW	43
416	2.0	1.0	2.5	1.0	1.0	1.0		12.19	YELLOW	42
417	2.0	1.0	2.0	1.0	1.0	1.0		12.70	YELLOW	43
418	2.0	1.0	2.0	1.0	1.0	1.0		12.41	YELLOW	39
419	3.5	2.0	2.0	2.0	1.0	1.0		13.60	YELLOW	29
420	2.0	?	1.0	2.0	1.0	1.0		11.36	YELLOW	29
421	2.5	1.0	2.5	2.0	1.0	1.0		13.22	YELLOW	36
422	2.0(?)	1.0	1.0	2.0	1.0	1.0		12.82	YELLOW	33
423	2.0	1.0	2.0	2.0	1.0	1.0		13.06	YELLOW	41
424	2.0	1.0	3.0	1.0	1.0	1.0		11.71	YELLOW	43
425	4.0	1.0	1.0	1.0	1.0	1.0		14.82	YELLOW	40
426	2.0	1.0	1.0	1.0	1.0	1.0		13.36	YELLOW	38
427	2.5	1.0	2.5	1.1	1.0	1.0		14.86	YELLOW	24
428	2.0	1.0	1.0	1.0	1.0	2.0(? ?)		13.87	YELLOW	43
429	2.0	1.0	1.0	1.0	1.0	1.0		11.04	YELLOW	17
430	1.5	1.0	1.0	1.0	1.0	1.0		13.21	YELLOW	42
431	2.0	1.0	1.0	1.0	1.0	1.0	V. GOOD	11.76	YELLOW	14
432	2.0	1.0	1.0	1.0	1.0	1.0		13.07	YELLOW	16
433	1.5	1.0	1.0	1.0	1.0	1.0		12.15	YELLOW	33
434	1.5	1.0	1.0	1.0	1.0	1.0		11.82	YELLOW	36
435	4.5	1.0	1.0	1.0	1.0	1.0		11.61	YELLOW	35
436	2.0	1.0	1.0	1.0	1.0	1.0		12.98	YELLOW	33
437	1.5	1.0	1.0	1.0	1.0	1.0		11.78	YELLOW	40
438	2.0	1.0	1.0	1.0	1.0	1.0		11.11	YELLOW	22
439	1.5	1.0	1.0	1.0	1.0	1.0		12.24	YELLOW	36
440	1.5	1.0	1.0	1.0	1.0	1.0		11.10	YELLOW	23
441	2.0	1.0	1.0	1.0	1.0	1.0		10.51	YELLOW	26
442	1.5	1.0	1.0	1.0	1.0	1.0		13.13	YELLOW	36
443	2.0	1.0	1.0	1.0	1.0	1.0		11.10	YELLOW	28
444	1.5	1.0	1.0	1.0	1.0	1.0		11.46	YELLOW	37
445	1.5	1.0	1.0	1.0	1.0	1.0		11.66	YELLOW	36
446	2.0(?)	1.0	1.0	1.0	1.0	1.0		12.89	YELLOW	36
447	2.0	1.0	1.0	1.0	1.0	1.0		11.84	YELLOW	35
448	1.5	1.0	1.0	1.0	1.0	1.0		11.30	YELLOW	32
449	2.0	1.0	1.0	1.0	1.0	1.0		13.16	YELLOW	30





## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
451	TGX 814-35E	65	14	66	129	80	19	143	0
452	TGX 814-36D	65	13	58	137	78	18	153	0
453	TGX 814-36E	65	17	56	125	75	17	141	0
454	TGX 814-37D	65	14	58	137	75	16	143	0
455	TGX 814-38D	65	13	70	137	85	18	143	0
456	TGX 814-38E	65	15	63	129	78	18	141	0
457	TGX 814-39D	66	14	57	137	80	17	143	10
458	TGX 814-40D	66	13	57	137	82	17	153	0
459	TGX 814-40E	64	12	58	129	80	17	141	0
460	TGX 814-41D	60	13	40	129	60	17	141	0
461	TGX 814-41E	65	14	60	129	75	17	141	0
462	TGX 814-42D	64	14	53	129	80	18	141	0
463	TGX 814-43E	64	13	69	129	91	18	141	0
464	TGX 814-44D	64	15	59	137	80	16	153	0
465	TGX 814-44E	64	13	60	137	71	18	143	0
466	TGX 814-45E	61	13	42	137	75	18	143	0
467	TGX 814-46E	64	16	53	137	60	16	143	0
468	TGX 814-47D	70	17	45	137	59	15	153	0
469	TGX 814-47E	65	14	67	137	78	17	143	0
470	TGX 814-48E	65	13	40	137	88	17	141	0
471	TGX 814-49D	65	16	74	129	92	19	141	0
472	TGX 814-49E	61	14	60	137	83	18	143	0
473	TGX 814-50D	70	17	55	141	86	19	153	0
474	TGX 814-50E	61	14	54	137	85	18	141	0
475	TGX 814-51D	64	15	61	143	78	17	153	0
476	TGX 814-51E	61	13	53	129	78	18	141	0
477	TGX 814-53D	65	15	70	137	86	19	143	0
478	TGX 814-54D	70	17	60	137	82	20	143	20
479	TGX 814-77D	56	14	55	118	108	23	123	20
480	TGX 814-129D	57	14	50	122	100	21	126	0
481	TGX 814-132D	60	12	45	122	90	23	126	20
482	TGX 814-148D	56	14	60	115	107	21	123	40
483	TGX 814-213D	60	15	63	117	117	23	123	100
484	TGX 814-214D	60	13	62	117	107	21	123	80
485	TGX 816-3E	56	14	63	112	75	19	118	0
486	TGX 816-3D	57	15	55	117	100	21	123	40
487	TGX 816-4E	56	14	45	115	68	19	118	0
488	TGX 816-7D	60	13	40	0	0	0	123	0
489	TGX 816-13D	60	15	55	117	84	20	123	0
490	TGX 816-22D	64	17	59	117	110	23	125	90
491	TGX 816-45D	61	14	50	117	83	20	123	0
492	TGX 816-20D	56	14	52	109	82	18	117	0
493	TGX 816-21D	60	17	50	116	80	21	123	20
494	TGX 816-24D	60	15	50	116	78	21	123	20
495	TGX 816-30D	56	13	50	109	50	16	123	60
496	TGX 816-38D	56	13	60	116	81	18	117	0
497	TGX 816-41D	56	15	45	115	80	19	117	0
498	TGX 816-42D	60	15	70	112	79	19	117	0
499	TGX 816-47D	55	14	60	112	65	15	117	0
500	TGX 819-5E	55	13	45	109	49	14	117	0



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## INITIAL EVALUATION OF IITA SOYBEAN GERMPASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
450	1.5	1.0	1.0	1.0	1.0	1.0		13.02	YELLOW	28
451	1.5	2.0(?)	2.0	1.0	1.0	1.0		11.57	YELLOW	37
452	2.0	1.0	1.0	2.0	1.0	1.0		12.97	YELLOW	22
453	1.5	1.0	1.0	1.0	1.0	1.0		11.21	YELLOW	38
454	2.0	1.0	2.0	2.0	1.0	1.0		12.52	YELLOW	23
455	2.0	1.0	2.0	1.0	1.0	1.0		11.88	YELLOW	24
456	2.0	1.0	1.0	2.0	1.0	1.0		12.03	YELLOW	31
457	2.0	1.0	1.0	1.0	1.0	1.0		11.53	YELLOW	32
458	1.5	1.0	1.0	1.0	1.0	1.0		12.45	YELLOW	32
459	1.5	2.0(?)	1.0	2.0	1.0	1.0		10.41	YELLOW	32
460	2.0(?)	2.0(?)	1.0	1.0	1.0	1.0		14.69	YELLOW	30
461	2.0	2.0(?)	2.0	1.0	1.0	1.0		11.61	YELLOW	33
462	2.0	1.0	2.0	2.0	1.0	1.0		12.26	YELLOW	27
463	1.5	1.0	2.0	1.0	1.0	1.0	V. GOOD	0.00	YELLOW	0
464	2.0	1.0	1.0	1.0	1.0	1.0		12.74	YELLOW	30
465	2.0	2.0(?)	1.0	2.0	1.0	1.0		14.48	YELLOW	21
466	1.5	1.0	2.0	1.0	1.0	1.0		13.83	YELLOW	22
467	2.0	1.0	1.0	2.0	1.0	1.0		14.13	YELLOW	26
468	2.0	1.0	1.0	2.0	1.0	1.0		15.33	YELLOW	34
469	2.0	1.0	1.0	1.0	1.0	1.0		14.44	YELLOW	22
470	2.0	1.0	2.0	1.5	1.0	1.0		13.65	YELLOW	24
471	2.0	1.0	2.0	1.0	1.0	1.0		14.16	YELLOW	24
472	2.0	1.0	2.0	1.0	1.0	1.0		13.90	YELLOW	25
473	2.5	1.0	2.0	2.0	1.0	1.0		12.03	YELLOW	17
474	2.0	1.0	1.0	2.0	1.0	1.0		13.32	YELLOW	22
475	2.0	1.0	1.0	2.0	1.0	1.0		15.21	YELLOW	18
476	2.0	1.0	2.0	2.0	1.0	1.0		13.73	YELLOW	28
477	2.5	1.0	2.0	2.0	1.0	1.0		12.25	YELLOW	23
478	3.0	1.0	2.0	2.0	1.0	1.0		11.86	YELLOW	34
479	2.0	1.0	1.0	1.0	1.0	1.0	NORTH	12.80	GREEN	41
480	3.0	4.0	1.0	1.0	1.0	1.0		12.90	GREEN	29
481	2.5	4.0	1.0	1.0	1.0	1.0		13.41	GREEN	22
482	3.0	?	1.0	1.0	1.0	1.0		11.96	BLACK	34
483	4.0	2.0(?)	1.0	1.0	1.0	1.0		13.43	YELLOW	23
484	4.0	1.0	1.0	1.0	1.0	1.0		12.64	YELLOW	24
485	3.5	?	1.0	1.0	1.0	1.0		10.90	YELLOW	27
486	4.0	4.0	1.0	1.0	1.0	1.0		11.11	YELLOW	39
487	2.5	1.0	1.0	1.0	1.0	1.0		17.88	YELLOW	35
488	2.5(?)	?	1.0	2.0	1.0	1.0		0.00	YELLOW	0
489	4.5	4.0	1.0	1.0	1.0	1.0		11.87	YELLOW	25
490	3.5	4.0	1.0	1.0	1.0	1.0		12.18	YELLOW	36
491	2.0	1.0	2.0	1.0	1.0	1.0		13.48	YELLOW	43
492	2.5	?	1.0	1.0	1.0	1.0		11.82	YELLOW	25
493	2.5	?	1.0	2.0	1.0	1.0		0.00	YELLOW	0
494	2.5	1.0	1.0	1.0	1.0	1.0		13.47	YELLOW	25
495	2.5	1.0	1.0	1.0	1.0	1.0	SHORT	14.64	YELLOW	23
496	2.0	?	1.0	1.0	1.0	1.0		13.26	YELLOW	29
497	2.0	1.0	1.0	1.0	1.0	1.0		13.37	YLWBRN	29
498	2.0	1.0	1.0	1.0	1.0	1.0		14.78	YELLOW	45
499	3.5	1.0	1.0	1.0	1.0	1.0		13.54	YELLOW	44



## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
501	TGX 822-1E	70	16	65	129	88	24	143	20
502	TGX 822-2E	70	15	70	129	105	21	143	10
503	TGX 822-3E	70	14	55	129	80	19	143	20
504	TGX 822-8E	61	13	53	125	78	17	131	20
505	TGX 822-6E	70	16	60	129	80	20	143	30
506	TGX 822-10E	70	16	60	129	70	19	143	0
507	TGX 822-12D	66	14	55	129	78	18	143	20
508	TGX 822-20E	71	16	55	137	80	21	143	10
509	TGX 822-27E	65	12	65	137	90	18	148	0
510	TGX 822-36E	64	14	63	129	88	18	148	0
511	TGX 822-37E	64	14	74	137	81	18	153	0
512	TGX 822-48E	64	15	49	129	80	18	153	0
513	TGX 822-49E	65	14	54	129	70	17	153	0
514	TGX 824-2E	56	12	45	112	65	15	118	0
515	TGX 824-4D	71	15	75	122	85	16	131	10
516	TGX 824-4E	56	14	57	109	80	17	118	0
517	TGX 824-5D	60	15	60	125	83	17	131	30
518	TGX 824-6D	65	12	71	122	87	17	131	10
519	TGX 824-7D	65	16	78	122	90	16	131	30
520	TGX 824-8D	66	16	72	122	87	17	131	10
521	TGX 824-9D	65	12	72	122	85	16	123	20
522	TGX 824-10D	65	16	61	122	73	16	123	20
523	TGX 824-10E	65	14	64	122	81	17	123	60
524	TGX 824-12D	65	16	72	122	70	16	123	30
525	TGX 824-13D	64	15	63	122	75	17	123	50
526	TGX 824-17D	65	16	60	122	77	16	126	30
527	TGX 824-18D	65	15	65	122	80	16	126	40
528	TGX 824-21D	66	14	78	122	89	16	126	0
529	TGX 824-30D	66	16	69	122	77	16	126	0
530	TGX 824-33D	56	13	45	122	65	16	126	30
531	TGX 824-34D	60	14	60	115	85	18	123	50
532	TGX 824-42D	64	14	76	122	92	16	126	0
533	TGX 824-49D	65	14	61	122	82	16	126	20
534	TGX 824-50D	73	19	65	129	79	20	131	50
535	TGX 825-1E	60	13	50	125	85	18	131	40
536	TGX 825-3E	60	14	55	122	92	19	131	20
537	TGX 825-12E	60	14	60	122	86	18	126	0
538	TGX 825-13E	56	13	45	122	81	20	123	0
539	TGX 825-15D	60	13	55	122	81	19	125	0
540	TGX 825-16D	60	14	50	122	78	19	123	0
541	TGX 825-17D	64	14	60	125	75	17	31	60
542	TGX 825-20E	64	13	57	125	105	20	133	0
543	TGX 825-24E	61	14	45	122	74	19	123	20
544	TGX 829-20D	65	15	67	122	89	18	131	10
545	TGX 830-12D	74	19	63	125	85	20	133	100
546	TGX 832-1D	74	19	64	137	71	17	153	0
547	TGX 832-7D	74	16	73	125	84	20	133	90
548	TGX 832-11D	75	17	62	129	83	20	148	0
549	TGX 832-12D	72	16	70	125	73	18	133	95
550	TGX 832-13D	64	14	69	125	81	16	133	15

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## INITIAL EVALUATION OF IITA SOYBEAN GERMPASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
500	2.0	3.0(?)	1.0	1.0	1.0	1.0	SHORT	8.50	YELLOW	37
501	2.5	2.5(?)	1.0	1.0	1.0	1.0		15.67	YELLOW	34
502	3.0	3.0	1.0	1.0	1.0	1.0		16.39	YELLOW	36
503	3.0	3.0	1.0	1.0	1.0	1.0		14.79	YELLOW	35
504	2.5	1.0	1.0	1.0	1.0	1.0		15.71	YELLOW	40
505	3.0	4.0	1.0	1.0	1.0	1.0		15.77	YELLOW	43
506	2.5(?)	1.0	1.0	1.0	1.0	1.0		15.42	YELLOW	35
507	2.5	1.0	1.0	1.0	1.0	1.0		17.59	YELLOW	29
508	2.5	2.0(?)	1.0	1.0	1.0	1.0		16.27	YELLOW	31
509	3.00	4.5	1.0	1.0	1.0	1.0		15.89	YELLOW	36
510	2.5	3.0	1.0	1.0	1.0	1.0		17.43	YELLOW	36
511	2.5	1.0	1.0	1.0	1.0	1.0		18.92	YELLOW	37
512	2.0	1.0	1.0	1.0	1.0	1.0		18.03	YELLOW	41
513	2.0	1.0	2.0	1.0	1.0	1.0		18.55	YELLOW	37
514	2.5	1.0	1.0	1.0	1.0	1.0		10.60	BRYLGR	45
515	2.0	1.0	2.0	1.0	1.0	1.0		12.27	YELLOW	38
516	3.0	1.0	1.0	1.0	1.0	1.0		9.11	YLWGRN	38
517	3.0	1.0	1.0	2.0	1.0	1.0		13.31	YELLOW	39
518	2.0	1.0	2.0	1.0	1.0	1.0		11.82	YELLOW	40
519	3.0	1.0	2.0	1.0	1.0	1.0		14.05	YELLOW	35
520	2.0	1.0	2.0	1.0	1.0	1.0		12.30	YELLOW	38
521	2.5	1.0	2.0	1.0	1.0	1.0		12.07	YELLOW	34
522	2.0	1.0	2.0	1.0	1.0	1.0		12.68	YELLOW	38
523	3.0	1.0	2.0	1.0	1.0	1.0		11.41	YELLOW	0
524	2.5	1.0	2.0	1.0	1.0	1.0		11.06	YELLOW	44
525	3.0	1.0	3.0	1.0	1.0	1.0		11.78	YELLOW	43
526	2.5(?)	1.0	2.0	1.0	1.0	1.0		12.52	YELLOW	40
527	3.0	1.0	1.0	1.0	1.0	1.0		11.20	YELLOW	30
528	2.0	1.0	2.0	1.0	1.0	1.0		11.31	YELLOW	38
529	2.5	1.0	2.5	1.0	1.0	1.0		11.55	YELLOW	41
530	3.0(?)	1.0	2.0	1.0	1.0	1.0		12.49	YLWBRN	31
531	3.0	1.0	1.0	1.0	1.0	1.0		9.92	YELLOW	30
532	3.0	1.0	2.0	1.0	1.0	1.0		12.53	YELLOW	44
533	2.0	1.0	2.0	2.0	1.0	1.0		12.07	YELLOW	41
534	3.5	1.0	1.0	1.0	1.0	1.0		11.27	YELLOW	40
535	3.5	4.0	1.0	1.0	1.0	1.0		17.29	YELLOW	38
536	2.0	4.0	1.0	1.0	1.0	1.0		16.50	YELLOW	31
537	2.0	4.0	1.0	1.0	1.0	1.0		15.57	YELLOW	34
538	2.5	3.0(?)	1.0	1.0	1.0	1.0		15.56	YELLOW	40
539	1.5	1.0	1.0	1.0	1.0	1.0		16.47	YELLOW	40
540	2.0	1.0	1.0	1.0	1.0	1.0		15.32	YELLOW	46
541	2.5	1.0	1.0	1.0	1.0	1.0		16.45	YELLOW	44
542	2.0	3.5	1.0	1.0	1.0	1.0		13.29	YELLOW	46
543	2.0	1.0	1.0	1.0	1.0	1.0		15.40	YELLOW	34
544	2.5	1.0(?)	3.0	1.0	1.0	1.0		11.15	YELLOW	37
545	4.0	1.0(?)	1.0	1.0	1.0	1.0		9.04	YELLOW	39
546	2.0	1.0	2.0	1.0	1.0	1.0		12.99	YELLOW	36
547	4.5	2.0	2.0	1.0	1.0	1.0		11.42	YELLOW	41
548	4.0	1.0(?)	2.0	1.0	1.0	1.0		12.91	YELLOW	43
549	3.5	1.0(?)	2.0	1.0	1.0	1.0		13.66	YELLOW	42





## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
551	TGX 832-14D	64	16	80	125	104	19	133	80
552	TGX 834-2D	60	15	45	117	77	19	123	30
553	TGX 834-6D	60	16	45	117	70	20	123	60
554	TGX 845-2D	60	13	65	109	85	16	118	0
555	TGX 849-7D	60	13	55	125	95	20	126	0
556	TGX 849-8D	60	14	55	125	98	20	126	20
557	TGX 849-9D	60	14	45	122	96	19	126	30
558	TGX 849-18D	60	13	50	117	85	20	123	80
559	TGX 849-33D	56	14	40	115	67	15	118	0
560	TGX 849-37D	56	14	40	117	65	17	123	0
561	TGX 849-38D	56	12	43	117	80	22	123	30
562	TGX 849-40D	56	13	40	111	65	16	118	0
563	TGX 849-41D	60	14	40	122	70	18	126	0
564	TGX 849-43D	64	16	53	0	0	0	126	0
565	TGX 849-47D	60	13	45	122	73	18	126	70
566	TGX 849-48D	60	14	45	122	75	18	123	20
567	TGX 849-49D	60	15	40	125	72	17	126	70
568	TGX 849-99D	60	14	45	125	100	20	133	90
569	TGX 849-109D	56	13	43	115	77	18	118	0
570	TGX 849-136D	72	18	67	125	80	20	133	50
571	TGX 849-143D	57	13	43	117	77	20	123	20
572	TGX 849-144D	60	14	45	122	87	20	126	30
573	TGX 849-183D	56	12	40	115	86	18	118	0
574	TGX 849-187D	56	13	45	109	80	17	118	0
575	TGX 849-191D	55	13	50	111	77	18	118	0
576	TGX 849-195D	56	13	45	112	72	18	118	0
577	TGX 849-201D	60	13	40	117	73	18	123	40
578	TGX 849-212D	60	13	50	122	70	18	125	0
579	TGX 849-225D	55	14	40	117	90	22	123	20
580	TGX 849-226D	55	14	47	115	77	18	118	0
581	TGX 849-237D	65	13	55	125	97	20	133	40
582	TGX 849-242D	60	13	45	122	83	18	123	100
583	TGX 849-247D	56	13	60	122	95	19	133	10
584	TGX 849-258D	56	13	37	0	0	0	117	0
585	TGX 849-259D	55	13	45	111	73	17	117	0
586	TGX 849-260E	55	12	45	112	70	18	117	0
587	TGX 849-263D	55	13	45	115	70	17	117	0
588	TGX 849-271D	55	14	50	111	70	18	117	0
589	TGX 849-277D	55	14	70	122	100	20	123	80
590	TGX 849-285D	55	14	55	109	70	17	117	0
591	TGX 849-294D	60	14	65	122	100	18	123	30
592	TGX 849-297D	56	13	50	115	77	19	117	0
593	TGX 849-309D	55	13	50	111	87	19	0	0
594	TGX 849-312D	61	14	47	122	106	22	123	20
595	TGX 849-313D	60	14	50	122	95	18	123	80
596	TGX 849-315D	61	15	55	122	100	19	123	30
597	TGX 849-323D	61	13	45	122	150	22	133	90
598	TGX 849-330D	65	15	67	122	95	20	126	70
599	TGX 849-345D	56	12	45	122	83	17	123	0
600	TGX 849-346D	55	12	45	117	75	19	123	20



## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
550	3.5	1.0	1.0	1.0	1.0	1.0		15.20	YELLOW	43
551	4.0	1.0	1.0	1.0	1.0	1.0		12.71	YELLOW	42
552	3.0	1.0	2.0	1.0	1.0	1.0		14.56	YELLOW	39
553	3.0	1.0	2.0	1.0	1.0	1.0		15.07	YELLOW	38
554	4.5	1.0	1.0	1.0	1.0	1.0		9.78	YELLOW	25
555	2.5	1.0	1.0	1.0	1.0	1.0		12.25	YELLOW	44
556	2.0	1.0	1.0	1.0	1.0	1.0	NORTH	13.45	YELLOW	47
557	3.0	1.0	1.0	1.0	1.0	1.0		11.71	YELLOW	40
558	3.5	1.0	1.0	1.0	1.0	1.0		11.96	YELLOW	42
559	3.5	1.0	1.0	1.0	1.0	1.0	SHORT	10.14	YELLOW	31
560	2.5	1.0	1.0	1.0	1.0	1.0		9.71	YELLOW	32
561	3.0	1.0	1.0	1.0	1.0	1.0		10.46	YELLOW	29
562	2.0	1.0	1.0	1.0	1.0	1.0		9.73	YELLOW	33
563	1.5	1.0	1.0	1.0	1.0	1.0	V. GOOD	11.09	YELLOW	36
564	?	1.0	1.0	1.0	1.0	1.0		0.00	YELLOW	0
565	4.0	1.0	1.0	2.0	1.0	1.0		10.52	YELLOW	30
566	2.0	1.0	1.0	2.0	1.0	1.0		10.68	YELLOW	19
567	2.5	1.0	1.0	2.0	1.0	1.0		12.92	YELLOW	27
568	3.5	1.0	1.0	1.0	1.0	1.0		10.66	YELLOW	36
569	2.0	1.0	1.0	1.0	1.0	1.0		10.35	YELLOW	30
570	3.0	1.0	1.0	1.0	1.0	1.0		11.21	YELLOW	38
571	2.5	1.0	1.0	1.0	1.0	1.0		10.81	YELLOW	28
572	2.5	1.0	1.0	1.0	1.0	1.0		10.32	YELLOW	28
573	3.0	1.0	1.0	1.0	1.0	1.0		10.18	YELLOW	29
574	2.5	1.0	1.0	1.0	1.0	1.0		9.81	YELLOW	26
575	2.5	1.0	1.0	1.0	1.0	1.0		8.73	YELLOW	21
576	2.5	1.0	1.0	1.0	1.0	1.0		9.44	YELLOW	36
577	2.5	1.0	1.0	1.0	1.0	1.0		11.92	YELLOW	31
578	2.0	1.0	1.0	1.0	1.0	1.0		13.10	YELLOW	28
579	2.5	.0	1.0	1.0	1.0	1.0		14.08	YELLOW	45
580	2.5	1.0	1.0	1.0	1.0	1.0		12.42	YELLOW	34
581	3.0	1.0	2.0	1.0	1.0	1.0	NORTH	12.88	YELLOW	34
582	4.0	1.0	1.0	2.0	1.0	1.0		12.33	YELLOW	30
583	3.0	1.0	1.0	2.0	1.0	1.0	NORTH	10.31	YELLOW	31
584	2.0	1.0	1.0	1.0	1.0	1.0	SHORT	0.00	YELLOW	0
585	2.0	1.0	1.0	1.0	1.0	1.0		10.31	YELLOW	35
586	2.0	1.0	1.0	1.0	1.0	1.0		9.80	YELLOW	35
587	2.0	1.0	1.0	1.0	1.0	1.0		10.77	YELLOW	33
588	3.0	1.0	1.0	1.0	1.0	1.0		11.62	YELLOW	18
589	4.0	1.0	1.0	1.0	1.0	1.0		10.80	YELLOW	22
590	3.0	1.0	1.0	1.0	1.0	1.0		13.68	YELLOW	28
591	2.0	1.0	1.0	2.0	1.0	1.0		15.49	YELLOW	27
592	2.5	1.0	1.0	1.0	1.0	1.0		13.02	YELLOW	35
593	2.5	1.0	1.0	2.0	1.0	1.0		9.95	YELLOW	24
594	2.5	1.0	1.0	3.0	1.0	1.0		11.95	YELLOW	28
595	3.5	1.0	1.0	3.0	1.0	1.0		10.62	YELLOW	30
596	3.0	1.0	1.0	2.0	1.0	1.0		12.12	YELLOW	35
597	4.0	1.0	1.0	3.0	1.0	1.0		14.34	YELLOW	26
598	3.5	1.0	2.0	3.0	1.0	1.0		11.45	YELLOW	29
599	2.5	1.0	1.0	2.5	1.0	1.0		10.11	YELLOW	35



## INITIAL EVALUATION OF IITA SOYBEAN GERMPASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
601	TGX 849-347D	55	14	45	115	83	18	123	30
602	TGX 854-2D	65	15	60	129	99	20	148	0
603	TGX 854-4D	73	19	66	129	95	20	148	0
604	TGX 854-6D	73	18	78	137	90	20	148	0
605	TGX 854-12D	61	14	50	125	92	20	133	50
606	TGX 854-14D	65	17	67	125	103	20	133	50
607	TGX 854-25D	60	73	60	125	97	19	126	30
608	TGX 854-28D	72	17	81	129	88	19	133	90
609	TGX 854-28E	60	14	50	125	91	20	133	0
610	TGX 854-30E	56	13	50	117	90	18	133	5
611	TGX 854-42D-1	55	13	44	111	70	15	117	0
612	TGX 854-42D-2	65	12	67	125	90	19	133	20
613	TGX 854-44D	65	13	66	125	95	21	133	100
614	TGX 854-49D	65	16	75	125	90	20	133	90
615	TGX 854-57D	72	17	82	129	95	21	133	100
616	TGX 854-59D	65	17	65	125	86	20	133	100
617	TGX 854-60E	56	13	45	111	67	17	117	0
618	TGX 854-64E	64	15	54	122	44	18	133	100
619	TGX 854-65E	64	17	67	122	90	20	133	100
620	TGX 854-66E	65	18	66	122	105	21	133	100
621	TGX 854-70D	61	14	65	125	91	21	133	95
622	TGX 854-70E	65	17	80	122	90	20	126	60
623	TGX 854-71E	60	15	45	122	107	21	125	80
624	TGX 854-77E	55	14	45	109	87	19	117	0
625	TGX 854-78D	73	18	93	129	110	22	133	100
626	TGX 854-80E	71	18	92	129	114	22	153	0
627	TGX 854-81D	65	15	77	125	97	19	133	40
628	TGX 854-83D	71	17	12	125	110	22	133	10
629	TGX 854-85D	60	14	53	122	92	19	123	80
630	TGX 854-86D	60	14	55	122	108	19	123	50
631	TGX 854-87D	60	13	50	109	80	20	117	40
632	TGX 854-87E-A	65	17	67	129	85	20	148	0
633	TGX 854-87E-B	73	17	93	129	110	22	137	80
634	TGX 854-88D	60	14	45	122	95	19	123	30
635	TGX 854-89D	65	16	61	125	90	21	137	60
636	TGX 854-89E	71	18	90	129	92	22	137	50
637	TGX 854-94E	74	19	78	129	97	21	137	50
638	TGX 854-96D	74	20	80	137	91	21	148	0
639	TGX 854-97D	70	18	77	125	87	17	137	40
640	TGX 854-97E	74	19	82	129	85	19	137	20
641	TGX 854-98D	65	15	66	129	90	20	137	20
642	TGX 854-98E	65	16	75	125	110	23	137	20
643	TGX 854-100E	73	18	82	129	86	19	137	40
644	TGX 854-101E	74	19	80	129	88	20	137	30
645	TGX 854-110D	65	13	66	122	90	18	126	70
646	TGX 855-1E	74	18	88	129	103	22	148	0
647	TGX 855-3D	73	19	72	137	105	21	148	0
648	TGX 855-3E	74	18	83	129	110	23	148	0
649	TGX 855-4E	60	14	55	125	120	21	148	0
650	TGX 855-10E	65	16	75	129	100	22	148	0



## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
600	2.5	1.0	1.0	2.0	1.0	1.0		10.92	YELLOW	35
601	2.5	1.0	1.0	3.0	1.0	1.0		10.69	YELLOW	26
602	2.5	1.0	1.0	2.0	1.0	1.0	NORTH	10.89	BLACK	42
603	3.5	1.0	1.0	3.0	1.0	1.0		10.06	BLACK	45
604	3.5	1.00	1.0	3.0	1.0	1.0	NORTH	12.90	YLWBLK	37
605	2.5	1.0	1.0	1.0	1.0	1.0		12.05	YLWBRN	40
606	2.5	1.0	1.0	2.0	1.0	1.0		12.01	YELLOW	17
607	4.0	1.0	1.0	1.0	1.0	1.0		10.96	MIX YG	29
608	4.0	1.0	1.0	1.0	1.0	1.0		10.80	YELLOW	39
609	2.0	4.0	1.0	1.0	1.0	1.0		10.52	YELLOW	44
610	2.5	1.0	1.0	1.0	1.0	1.0		10.81	YELLOW	33
611	2.5	1.0	1.0	1.0	1.0	1.0		9.23	YELLOW	32
612	2.5	1.0	2.0	1.0	1.0	1.0		10.50	YELLOW	40
613	4.0	1.0	1.0	1.0	1.0	1.0		10.58	YELLOW	40
614	3.0	4.0	1.0	1.0	1.0	1.0	NORTH	10.22	YLWBRN	43
615	4.0	1.0	1.0	1.0	1.0	1.0		10.95	YELLOW	33
616	4.0	1.0	2.0	2.0	1.0	1.0		11.06	YLWGRN	27
617	2.0	1.0(?)	1.0(?)	1.0	1.0	1.0	PRECOCE	10.86	YELLOW	28
618	2.5	1.0	1.0	1.0	1.0	1.0		11.09	YELLOW	30
619	4.0	1.0	2.0	1.0	1.0	1.0		9.97	YELLOW	35
620	4.0	1.0(?)	2.0	1.0	1.0	1.0		10.77	YELLOW	38
621	4.0	3.0	1.0	1.0	1.0	1.0		12.26	YLWBRN	32
622	3.5	1.0	2.0	1.0	1.0	1.0		12.24	GREEN	0
623	3.5	1.0	2.0	1.0	1.0	1.0		11.99	YELLOW	32
624	2.0	1.0(?)	1.0	1.0	1.0	1.0		11.16	YELLOW	31
625	3.5	2.0(?)	1.0	1.0	1.0	1.0		12.20	YELLOW	45
626	3.5	1.0	2.0	1.0	1.0	1.0		11.83	YELLOW	42
627	3.0	4.0	1.0	1.0	1.0	1.0		11.83	YLWBRN	41
628	2.5	4.0	1.0	1.0	1.0	1.0		12.38	YELLOW	44
629	4.0	1.0(?)	1.0	1.0	1.0	1.0		10.43	GREEN	0
630	3.5	1.0	1.0	2.0	1.0	1.0		10.58	YELLOW	28
631	3.5	1.0(?)	1.0	1.0	1.0	1.0		10.58	YELLOW	18
632	3.5	1.0	1.0	2.0	1.0	1.0		12.87	YELLOW	46
633	3.5	1.0	2.0	1.0	1.0	1.0	NORTH ?	12.60	YELLOW	39
634	3.0	1.0	1.0	1.0	1.0	1.0		9.57	YLWGRN	14
635	3.0	1.0	2.0	2.0	1.0	1.0		10.65	YELLOW	33
636	4.0	1.0	1.0	1.0	1.0	1.0		12.04	YELLOW	36
637	3.5	1.0	2.0	1.0	1.0	1.0		11.13	YELLOW	34
638	2.5	1.0	2.0	2.0	1.0	1.0		12.48	YELLOW	39
639	2.5	1.0	1.0	1.0	1.0	1.0		12.09	YELLOW	34
640	2.5	1.0	2.0	2.0	1.0	1.0		11.70	YELLOW	34
641	3.0	1.0	1.0	3.0	1.0	1.0		12.64	YELLOW	34
642	3.0	1.0	2.0	1.0	1.0	1.0		10.66	YELLOW	27
643	4.0	1.0	1.0	1.0	1.0	1.0		10.98	YELLOW	35
644	3.0	1.0	2.0	1.0	1.0	1.0		11.29	YELLOW	37
645	3.5	1.0	2.0	1.0	1.0	1.0		10.30	YLWGRN	28
646	2.0	1.0	2.0	1.0	1.0	1.0	NORTH	13.09	YELLOW	36
647	?	?	?	?	?	?	MIX	11.61	YELLOW	40
648	3.5	1.0	1.0	1.0	1.0	1.0		12.37	YELLOW	45
649	4.5	4.0	1.0	1.0	1.0	1.0		11.50	YELLOW	39





## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
651	TGX 855-11E	73	17	96	137	120	23	148	0
652	TGX 855-14E	65	16	66	129	105	21	148	0
653	TGX 855-21E	74	18	71	137	100	20	148	0
654	TGX 855-22E	74	17	77	137	120	22	148	0
655	TGX 855-23D	74	17	78	129	108	21	148	0
656	TGX 855-23E	72	19	92	137	115	22	148	0
657	TGX 855-24D	72	20	88	137	103	21	148	0
658	TGX 855-25E	74	19	77	137	107	22	148	0
659	TGX 855-26E	74	20	80	137	100	22	148	0
660	TGX 855-29D	73	20	77	129	105	22	148	0
661	TGX 855-30D	74	19	77	129	100	22	148	0
662	TGX 855-32D	74	18	90	129	104	21	148	0
663	TGX 855-37D	73	19	83	129	100	21	148	0
664	TGX 855-38E	60	16	55	125	101	20	137	30
665	TGX 855-44E	72	19	94	129	110	23	148	0
666	TGX 855-46D	73	19	85	129	100	21	148	0
667	TGX 855-46E	64	16	68	122	93	17	123	30
668	TGX 855-48D	65	17	64	129	100	22	148	0
669	TGX 855-50D	64	16	82	125	104	21	137	30
670	TGX 855-53D	64	16	76	129	89	20	148	0
671	TGX 855-53E	74	20	76	137	90	21	148	0
672	TGX 855-54E	73	19	83	137	97	21	148	0
673	TGX 855-57D	74	18	88	137	120	22	148	0
674	TGX 855-60D	74	19	70	129	105	22	148	0
675	TGX 855-61D	73	18	80	129	95	20	137	30
676	TGX 855-62D	73	20	83	129	95	20	148	0
677	TGX 855-63D	74	18	83	129	98	20	148	0
678	TGX 855-64D	73	18	76	129	108	23	137	40
679	TGX 855-68D	74	19	77	129	95	20	137	30
680	TGX 855-70D	56	13	50	122	83	19	123	20
681	TGX 855-118D	60	13	45	122	88	19	123	20
682	TGX 855-119D	64	14	68	122	90	20	123	0
683	TGX 856-3E	71	18	82	125	74	17	137	0
684	TGX 856-4E	64	14	56	125	72	17	117	0
685	TGX 856-11E	71	16	67	125	67	17	137	0
686	TGX 856-19E	71	17	62	125	63	18	126	0
687	TGX 856-30E	71	18	66	125	73	18	148	0
688	TGX 856-31E	74	18	43	129	48	17	148	0
689	TGX 856-33E	74	16	64	125	77	18	137	0
690	TGX 856-35E	64	16	68	125	75	17	126	0
691	TGX 856-38E	72	19	54	123	65	19	137	0
692	TGX 856-39E	64	15	65	125	85	19	137	0
693	TGX 856-40E	65	14	57	123	65	15	126	60
694	TGX 856-56E	73	19	60	123	61	17	126	60
695	TGX 856-66E	74	18	61	125	70	18	137	20
696	TGX 859-8D	64	16	62	123	75	20	137	20
697	TGX 859-9D	64	15	64	125	66	21	137	0
698	TGX 859-13D	64	16	66	125	100	20	137	0
699	TGX 860-1E	60	13	43	123	73	18	126	30
700	TGX 860-3E	64	14	60	122	83	17	126	10



## INITIAL EVALUATION OF IITA SOYBEAN GERMPASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
650	3.0	1.0	2.0	3.0	1.0	1.0		11.34	YELLOW	43
651	3.0	1.0(?)	2.0	1.0	1.0	1.0	NORTH	11.31	YELLOW	42
652	3.0	1.0	2.0	1.0	1.0	1.0		11.87	YELLOW	37
653	?	?	?	?	?	?	MIX	12.76	YELLOW	41
654	3.0	3.0	1.0	1.0	1.0	1.0		12.70	YELLOW	42
655	4.0	1.0	2.0	1.0	1.0	1.0		12.71	YELLOW	42
656	3.0	4.0	1.0	1.0	1.0	1.0		12.37	YELLOW	40
657	4.0	1.0	2.0	1.0	1.0	1.0		13.70	YELLOW	46
658	3.5	4.0	1.0	1.0	1.0	1.0		11.41	YELLOW	41
659	3.5	4.0	1.0	1.0	1.0	1.0		11.44	YELLOW	48
660	3.5	1.0	1.0	1.0	1.0	1.0		13.24	YELLOW	45
661	4.0	1.0	1.0	1.0	1.0	1.0		11.78	YELLOW	47
662	3.5	1.0	1.0	1.0	1.0	1.0		14.16	YELLOW	45
663	3.5	1.0	1.0	1.0	1.0	1.0		12.74	YELLOW	38
664	3.0	4.0	1.0	1.0	1.0	1.0		12.85	YELLOW	41
665	2.5	4.0	1.0	1.0	1.0	1.0		12.56	YELLOW	41
666	2.5	1.0	1.0	1.0	1.0	1.0	NORTH	13.25	YELLOW	41
667	3.0	4.0	1.0	1.0	1.0	1.0		12.96	YELLOW	39
668	3.0	1.0	1.0	1.0	1.0	1.0		13.93	YELLOW	44
669	?	?	?	?	?	?	MIX	13.42	YELLOW	44
670	?	?	?	?	?	?	MIX	10.41	YELLOW	38
671	4.0	1.0	1.0	3.0	1.0	1.0		13.50	YELLOW	43
672	3.5	1.0	1.0	2.5	1.0	1.0	NORTH	12.44	YELLOW	47
673	3.5	1.0	1.0	1.0	1.0	1.0		11.67	YELLOW	45
674	3.0	1.0	1.0	1.0	1.0	1.0		12.16	YELLOW	44
675	4.0	1.0(?)	1.0	1.0	1.0	1.0		13.71	YELLOW	43
676	3.5	1.0	2.0	1.0	1.0	1.0		10.97	YELLOW	45
677	3.0	1.0	1.0	1.0	1.0	1.0		12.72	YELLOW	43
678	3.5	1.0	1.0	1.0	1.0	1.0		12.95	YELLOW	46
679	3.0	1.0	2.5	1.0	1.0	1.0		12.76	YELLOW	43
680	3.0	4.0	1.0	1.0	1.0	1.0		11.78	YELLOW	0
681	3.0	3.0(?)	1.0	2.5	1.0	1.0		10.39	YELLOW	44
682	3.0	1.0(?)	1.0	1.0	1.0	1.0		11.99	YELLOW	41
683	1.5	1.0	1.0	1.0	1.0	1.0		14.91	YELLOW	44
684	1.5	1.0	2.0	1.0	1.0	1.0		17.87	YELLOW	41
685	2.0	1.0	2.0	1.0	1.0	1.0		18.43	YELLOW	36
686	2.0(?)	1.0	1.0	1.0	1.0	1.0		0.00	YELLOW	0
687	?	1.0	1.0	1.0	1.0	1.0		16.56	YELLOW	46
688	?	1.0	1.0	1.0	1.0	1.0		0.00	YELLOW	0
689	2.5	1.0(?)	1.0	2.0	1.0	1.0		15.29	YELLOW	44
690	2.0	1.0(?)	1.0	1.0	1.0	1.0		16.55	YELLOW	40
691	2.0	1.0(?)	1.0	1.0	1.0	1.0		15.00	YELLOW	46
692	2.0	1.0	1.0	1.0	1.0	1.0		15.94	YELLOW	34
693	2.0	1.0(?)	1.0	1.0	1.0	1.0		15.76	YELLOW	41
694	2.0	1.0(?)	1.0	1.0	1.0	1.0		14.77	YELLOW	46
695	2.0	1.0(?)	1.0	1.0	1.0	1.0		15.39	YELLOW	49
696	?	?	?	?	?	?		10.55	YELLOW	42
697	3.0	1.0	2.0	1.0	1.0	1.0		10.55	YELLOW	45
698	2.5	1.0	1.0	1.0	1.0	1.0	V. GOOD	10.58	YELLOW	43
699	2.5	1.0	1.0	1.0	1.0	1.0		13.23	YELLOW	36



## INITIAL EVALUATION OF IITA SOYBEAN GERmplasm

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
701	TGX 860-13E	74	17	77	137	90	19	148	0
702	TGX 860-18E	73	17	80	130	96	20	148	0
703	TGX 860-19E	74	16	74	130	100	20	148	0
704	TGX 860-21E	73	15	66	130	100	20	153	0
705	TGX 860-22E	74	15	67	130	92	19	153	0
706	TGX 863-4D	64	12	62	122	83	16	148	0
707	TGX 863-16D	55	14	40	122	70	16	123	60
708	TGX 863-23E	73	15	50	143	15	24	148	0
709	TGX 863-26E	73	15	43	137	56	15	148	0
710	TGX 863-27E	74	15	42	137	44	15	148	0
711	TGX 863-33E	74	16	55	137	60	16	153	0
712	TGX 863-38E	64	14	42	130	73	18	153	0
713	TGX 863-44E	56	13	35	122	80	18	123	0
714	TGX 863-47E	60	14	33	122	71	17	123	40
715	TGX 863-54E	64	12	44	130	67	18	148	0
716	TGX 863-64E	60	14	40	125	84	19	126	0
717	TGX 863-69E	64	13	47	125	77	19	137	0
718	TGX 86-86D	72	16	52	125	60	19	126	10
719	TGX 863-90E	56	12	37	122	45	21	137	10
720	TGX 873-6B	64	13	59	125	79	18	137	0
721	TGX 888-2C	60	14	14	122	66	20	137	0
722	TGX 888-44C	60	14	55	103	60	14	112	0
723	TGX 888-48C	60	13	40	112	55	18	117	0
724	TGX 888-49C	60	14	40	109	65	18	117	0
725	TGX 930-9C	55	12	37	123	78	18	125	0
726	TGX 943-11C	72	15	65	125	77	18	137	0
727	TGX 297-2D	60	13	50	125	94	17	137	0
728	TGX 573-175E	74	16	60	125	90	18	137	20
729	TGM 579	73	17	79	123	95	20	137	50
730	TGM 623	64	14	66	111	88	19	117	40
731	TGM 730	60	14	45	101	70	20	108	60
732	TGM 737P	64	14	64	103	95	18	108	40
733	TGM 1248	42	9	25	97	25	11	103	0
734	TGM 1360	56	14	55	123	115	21	125	95
735	TGM 1784	56	12	35	111	36	14	111	0
736	TGM 1847	42	13	40	97	50	14	103	0
737	TGM 1856	64	14	65	123	78	18	137	10
738	TGM 1882	39	11	35	97	45	14	103	0
739	TGM 1883	60	13	45	123	63	15	137	0
740	M 79	73	16	70	125	74	17	137	10
741	M 79-1	74	16	55	130	67	17	137	10
742	M 79-2	74	19	70	125	73	21	137	50
743	M 79-3	74	16	75	125	76	16	137	10
744	M 79-4	74	18	60	130	90	20	137	0
745	DSM 1330-1	70	15	65	123	70	13	125	0
746	SAVANA	64	14	61	125	72	16	137	0
747	IAC-2	55	12	45	123	91	19	125	0
748	IAC-6	73	15	65	125	90	17	137	0
749	EMGOPA 303	72	14	70	130	81	19	148	0
750	IAC-12	55	12	30	0	0	0	125	0



## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
700	2.5	1.0(?)	1.0	1.0	1.0	1.0		13.05	YELLOW	42
701	2.0	2.0(?)	2.0	1.0	1.0	1.0	NORTH	14.12	YELLOW	38
702	2.0	4.0	1.0	1.0	1.0	1.0		12.10	YELLOW	28
703	2.0	4.0	1.0	1.0	1.0	1.0		11.56	YELLOW	19
704	2.0	4.0	1.0	1.0	1.0	1.0		12.51	YELLOW	27
705	2.0	4.0	1.0	1.0	1.0	1.0		11.13	YELLOW	20
706	2.5	1.0	1.0	1.0	1.0	1.0		10.70	YELLOW	43
707	3.0	1.0	2.0	1.0	1.0	1.0		13.50	YELLOW	33
708	2.0	1.0	1.0	1.0	1.0	1.0	SHORT	0.00	YELLOW	41
709	1.5	1.0	2.0	1.0	1.0	1.0	SHORT	10.08	YELLOW	41
710	1.5	1.0	1.0	1.0	1.0	1.0	SHORT	10.81	YELLOW	38
711	2.0	1.0	1.0	1.0	1.0	1.0		10.20	YELLOW	39
712	2.0	1.0	1.0	1.0	1.0	1.0		9.78	YELLOW	43
713	2.5	1.0	1.0	1.0	1.0	1.0		11.54	YELLOW	37
714	2.0	1.0	1.0	1.0	1.0	1.0		12.04	YELLOW	40
715	2.0	1.0	1.0	1.0	1.0	1.0		10.04	YELLOW	35
716	2.0	1.0	1.0	1.0	1.0	1.0		15.08	YELLOW	29
717	2.0	1.0	2.0	1.0	1.0	1.0		10.70	YELLOW	41
718	1.5	1.0(?)	2.5	1.0	1.0	1.0	BIG RACE	6.96	YELLOW	46
719	2.0	1.0	1.0	1.0	1.0	1.0		13.58	YELLOW	37
720	?	3.0	1.0	1.0	1.0	1.0		15.61	YELLOW	41
721	2.5	1.0	1.0	1.0	1.0	1.0		9.72	YELLOW	38
722	2.0	1.0(?)	1.0	1.0	1.0	1.0	PRECOCE	9.86	YELLOW	15
723	2.5	1.0	1.0	1.0	1.0	1.0		11.10	YELLOW	39
724	2.0	1.0	1.0	1.0	1.0	1.0		10.96	YELLOW	22
725	2.5	1.0	1.0	1.0	1.0	1.0		11.40	YELLOW	18
726	2.0	1.0	1.0	1.0	1.0	1.0		15.91	YELLOW	41
727	2.0	1.0	1.0	1.0	1.0	1.0		13.81	YELLOW	34
728	2.5	1.0	1.0	1.0	1.0	1.0		10.66	GRNYLW	32
729	4.0	1.0(?)	1.0	1.0	1.0	1.0		10.42	YELLOW	33
730	3.5	1.0	1.0	1.0	1.0	1.0		8.43	YLWBRN	33
731	3.5	1.0	1.0	1.0	1.0	1.0		9.34	BROWN	48
732	3.5	1.0(?)	1.0	1.0	1.0	1.0		7.54	BLACK	48
733	4.0	1.0(?)	1.0	1.0	1.0	1.0	SHORT	15.05	YELLOW	30
734	4.0	1.0	1.0	1.0	1.0	1.0		14.44	BROWN	9
735	2.0	1.0(?)	1.0	1.0	1.0	1.0(	BG SEED	20.27	YELLOW	2
						?)				
736								15.92	YELLOW	15
737	1.5	1.0	2.0	1.0	1.0	1.0		23.03	YELLOW	13
738	1.5	1.0	1.0	1.0	1.0	2.0		0.00	YELLOW	0
739	1.5	1.0	1.0	1.0	1.0	2.0		18.53	YELLOW	20
740	2.0	1.0	1.0	1.0	1.0	1.0		12.02	YELLOW	34
741	2.0	1.0	2.5	1.0	1.0	1.0		14.59	YELLOW	37
742	3.5	1.0	2.0	1.0	1.0	1.0		11.42	YELLOW	39
743	2.5	1.0	2.0	1.0	1.0	1.0		11.17	YELLOW	45
744	2.0	1.0	2.0	1.0	1.0	1.0		14.87	YELLOW	47
745	2.5	1.0	2.0	1.0	1.0	1.0		15.46	BROWN	44
746	1.5	1.0	1.0	1.0	1.0	1.0		15.46	YELLOW	16
747	2.5	1.0	1.0	1.0	1.0	1.0		14.41	YELLOW	27
748	2.0	1.0	2.0	1.0	1.0	1.0		12.37	YELLOW	40





## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
751	PARANAGOIANA	68	14	60	0	0	0	153	0
752	CARAJAS	75	17	63	0	0	0	153	0
753	CRISTALINA	60	13	40	137	64	17	153	0
754	EMGOPA 301	64	12	54	130	70	16	137	0
755	IAC-7	64	13	58	125	76	16	137	0
756	EMGOPA 302	64	14	41	111	51	17	111	0
757	UFV1	55	12	40	123	57	12	137	0
758	SUCUPIRA	55	12	18	123	90	21	137	0
759	TIMBIRA	75	15	80	137	100	18	148	0
760	IAC-11	60	14	55	123	74	15	137	0
761	TERESINA	72	15	66	137	85	19	153	0
762	PARANA	42	8	35	95	47	11	0	0
763	DOKO	65	13	54	130	98	17	148	0
764	NUMBAIRA	65	14	60	130	21	17	148	0
765	IAC-8	60	13	50	125	79	16	137	0
766	TROPICAL	74	16	81	137	90	19	148	0
767	SANTA ROSA	54	12	38	0	0	0	117	0
768	BOSSIER	46	9	45	101	48	11	117	0
769	BR 83-1578	60	12	47	130	77	17	137	0
770	BR 81-3495	72	15	76	137	82	16	148	0
771	GO 83-29057	76	14	75	138	0	0	153	0
772	BR 81-3195	60	12	50	130	80	17	137	0
773	GO 83-26524	72	16	85	130	72	18	137	0
774	GO 83-18652	73	17	76	137	90	19	148	0
775	GO 83-23588	71	17	80	137	105	20	148	0
776	GO 83-29066	75	18	76	137	115	20	148	0
777	BR 82-1100	74	16	85	0	0	0	165	0
778	BR 82-504	70	18	66	137	85	18	153	0
779	BR 82-1179	73	15	75	143	88	17	153	0
780	GO 83-18779	74	16	62	137	81	17	137	0
781	GO 83-29066	65	13	54	130	80	16	137	0
782	BR 82-1186	73	16	58	137	70	18	148	0
783	IAC 7-6	65	14	54	130	78	16	137	0
784	BR 83-1121	64	15	64	143	89	17	153	0
785	BR 81-1516	74	16	58	143	70	15	148	0
786	GO 83-16639	73	15	85	137	105	22	148	0
787	GO 83-22791	75	18	80	143	105	20	153	0
788	GO 83-18602	70	16	95	130	95	18	137	10
789	GO 83-25065	73	16	80	130	87	18	137	20
790	GO 83-22763	73	17	78	137	105	20	148	0
791	GO 83-18793	65	13	52	137	90	19	148	0
792	GO 83-22621	74	18	65	130	63	16	137	0
793	IAC 7- RC 7	64	13	53	130	98	12	148	0
784	GO 83-21590	60	14	55	123	86	17	137	0
795	GO 83-21609	73	15	76	130	93	18	0	0
796	BR 82-516	71	16	72	137	90	20	148	0
797	GO 83-17992	65	14	56	130	68	17	148	0
798	GO 83-18792	74	17	75	137	90	18	148	0
799	GO 83-21581	75	18	65	137	95	20	148	0
800	GO 83-18788	56	13	48	137	95	19	148	0



## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
749	1.5	1.0	1.0	1.0	1.0	1.0		12.55	YELLOW	42
750	2.5	1.0	1.0	1.0	1.0	1.0	SHORT	0.00	YELLOW	0
751	1.5	1.0	1.0	1.0	1.0	1.0		15.26	YELLOW	12
752	2.0	1.0	1.0	1.0	1.0	1.0	N LATE	14.08	YELLOW	29
753	1.5	1.0	1.0	1.0	1.0	1.0		12.10	YELLOW	36
754	1.5	1.0	1.0	1.0	1.0	1.0		13.50	YELLOW	32
755	1.5	1.0	2.0	1.0	1.0	1.0		12.64	YELLOW	43
756	?	1.0	1.0	1.0	1.0	1.0	1 PLANT	0.00	YELLOW	0
757	2.0	1.0	1.0	1.0	1.0	1.0	SHORT	16.84	YELLOW	30
758	2.0	1.0	1.0	1.0	1.0	1.0		14.98	YELLOW	36
759	2.0	1.0	1.0	1.0	1.0	1.0	NORTH	14.94	YELLOW	38
760	1.5	1.0	1.0	1.0	1.0	1.0		13.84	YELLOW	24
761	2.0	1.0	1.0	1.0	1.0	1.0		14.82	YELLOW	24
762	3.0	1.0	1.0	1.0	1.0	1.0	SHORT	13.43		27
763	1.5	1.0	2.0	1.0	1.0	1.0		15.30	YELLOW	33
764	1.5	1.0	1.0	1.0	1.0	1.0		13.86	YELLOW	31
765	1.5	1.0	1.0	1.0	1.0	1.0		17.64	YELLOW	38
766	1.5	1.0	1.0	1.0	1.0	1.0		15.15	YELLOW	36
767	2.5	2.0	1.0	1.0	1.0	1.0	SHORT	0.00	YELLOW	0
768	2.5	1.0	1.0	1.0	1.0	1.0	SHORT	15.84	YELLOW	26
769	1.5	1.0	1.0	1.0	1.0	1.0		11.83	YELLOW	33
770	1.5	1.0	1.0	1.0	1.0	1.0		13.76	YELLOW	40
771	2.0	1.0	2.0	1.0	1.0	1.0	NORTH	12.72	YELLOW	37
772	1.5	1.0	2.5	1.0	1.0	1.0		13.90	YELLOW	35
773	1.5	1.0	2.0	1.0	1.0	1.0	NORTH	14.17	YELLOW	33
774	2.0	1.0	1.0	1.0	1.0	1.0		11.39	YELLOW	37
775	1.5	1.0	1.0	1.0	1.0	1.0		13.10	YELLOW	36
776	1.5		1.0	1.0	1.0	1.0	NORTH	13.23	YELLOW	37
777	1.5	1.0	3.0	1.0	1.0	1.0	NORTH	16.28	YELLOW	28
778	1.5	1.0	1.0	1.0	1.0	1.0		18.02	YELLOW	36
779	1.5	1.0	1.0	1.0	1.0	1.0		14.80	YELLOW	28
780	1.5	1.0	1.0	1.0	1.0	1.0		10.49	YELLOW	21
781	1.5	1.0	1.0	1.0	1.0	1.0		14.90	YELLOW	35
782	2.0	1.0	2.0	1.0	1.0	1.0		0.00	YELLOW	0
783	1.5	1.0	3.0	1.0	1.0	1.0		12.78	YELLOW	37
784	1.5	1.0	1.0	1.0	1.0	1.0		16.81	YELLOW	14
785	1.5	1.0	1.0	1.0	1.0	1.0		17.33	YELLOW	28
786	2.0	1.0	2.0	1.0	1.0	1.0		15.00	YELLOW	37
787	2.5	2.0(?)	3.0	1.0	1.0	1.0	NORTH	15.13	YELLOW	0
788	3.0	1.0	1.0	1.0	1.0	1.0		12.66	YELLOW	43
789	2.5	1.0	3.0	1.0	1.0	1.0	NORTH	15.21	YELLOW	37
790	2.5	(?)	3.0	1.0	1.0	1.0		14.56	YELLOW	40
791	2.0	1.0	1.0	1.0	1.0	1.0	NORTH	15.87	YELLOW	24
792	2.0	1.0	1.0	1.0	1.0	1.0		14.71	YELLOW	24
793	2.0	1.0	2.5	1.0	1.0	1.0		10.98	YELLOW	39
784	1.5	1.0	2.0	1.0	1.0	1.0		14.43	YELLOW	29
795	1.5	1.0	2.0	1.0	1.0	1.0	NORTH	14.18	YELLOW	47
796	1.5	1.0	2.0	1.0	1.0	1.0		14.07	YELLOW	29
797	2.0	1.0	1.5	1.0	1.0	1.0		11.50	GRNYLW	27
798	1.5	1.0	3.0	1.0	1.0	1.0		13.15	YELLOW	27



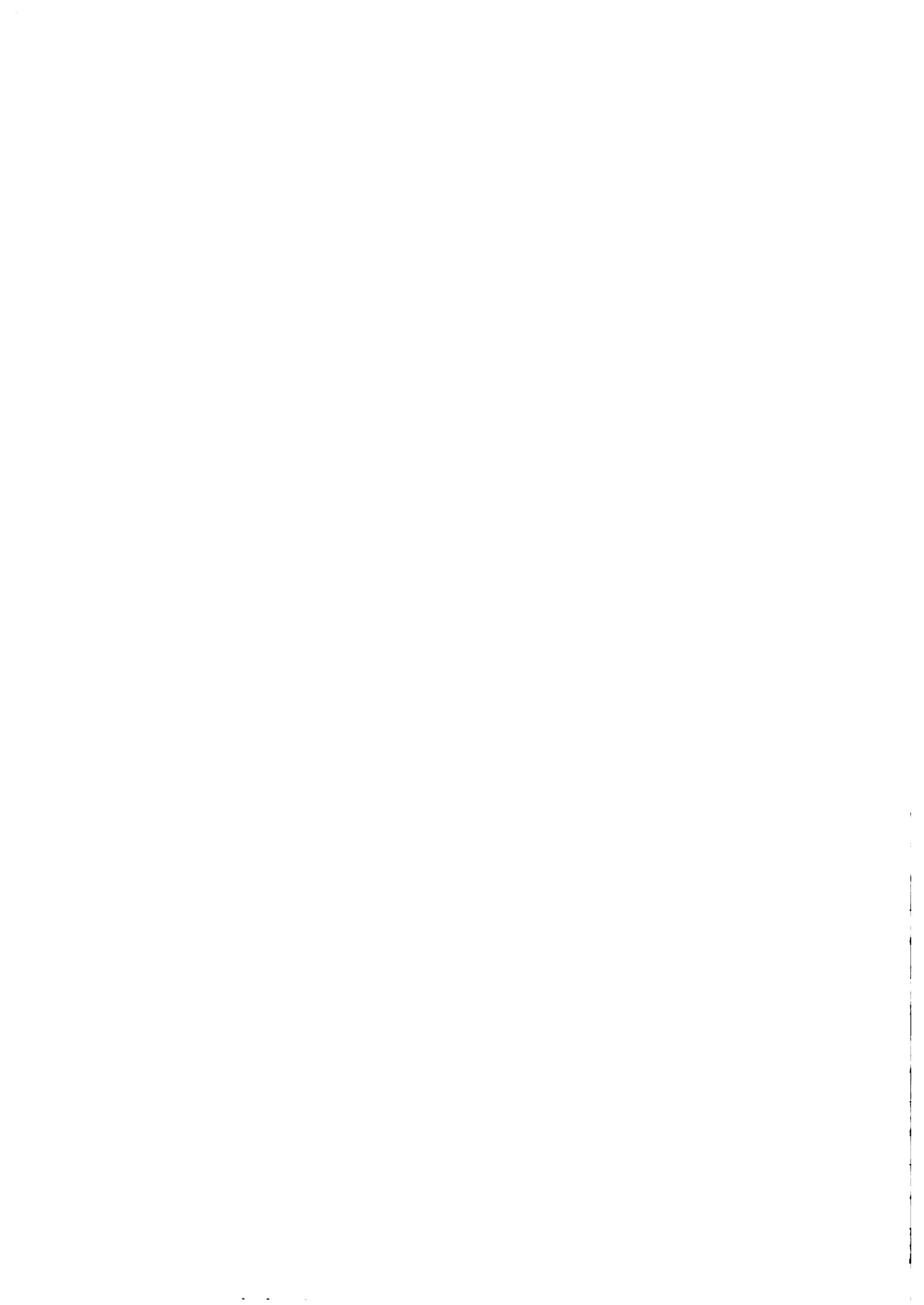
## INITIAL EVALUATION OF IITA SOYBEAN GERMPASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
801	GO 83-21519	88	18	85	143	90	19	153	0
802	GO 83-22748	74	18	65	137	73	16	148	0
803	GO 83-22756	74	17	75	137	85	18	148	0
804	BR 83-SG 33	71	18	87	130	90	18	137	0
805	GO 83-29068	77	16	80	0	0	0	165	0
806	BR 82-1080	77	16	87	0	0	0	165	0
807	GO 83-27173	73	16	85	143	100	19	165	0
808	GO 83-20640	64	14	90	130	75	22	137	30
809	GO 83-15749	73	16	80	137	92	19	148	0
810	GO 83-21580	74	15	76	130	104	20	137	20
811	GO 83-17992	64	15	45	130	62	17	137	10
812	GO 83-16629	64	11	68	137	85	18	148	0
813	GO 83-17961	74	18	82	137	88	20	148	0
814	BR 83-11107	74	18	82	137	96	21	137	20
815	GO 83-33033	66	11	67	137	90	18	137	10
816	GO 83-22750	74	18	72	137	89	18	137	20
817	IAC 7 - RC 10	65	12	66	130	90	17	137	0
818	GO 83-2152	73	15	86	137	110	21	137	0
819	GO 83-25639	74	16	80	137	95	20	148	0
820	GO 83-26650	74	17	62	130	82	18	137	0
821	GO 83-25060	74	17	75	137	90	18	137	0
822	GO 83-25058	75	16	68	137	80	19	148	0
823	GO 83-16634	72	16	70	137	76	16	148	0
824	GO 83-22773	64	11	66	137	89	18	137	0
825	GO 83-23756	64	12	62	130	90	18	137	10
826	BR 83-8892	74	17	74	137	81	18	148	0
827	GO 83-17984	60	14	50	130	74	17	137	20
828	GO 83-16641	74	15	56	137	60	18	148	0
829	BR 82-966	73	15	78	137	88	20	148	0
830	GO 83-18766	77	15	78	137	97	21	153	0
831	GO 83-22772	75	17	78	137	95	21	153	0
832	GO 82-495	64	13	51	123	81	17	137	0
833	GO 83-20565	70	13	74	137	106	23	0	0
834	GO 83-23105	64	13	60	137	82	19	137	0
835	BR 83-9218	74	17	75	0	0	0	0	0
836	BR 83-9223	74	16	67	143	84	18	165	0
837	GO 83-22749	74	12	63	137	80	19	0	0
838	GO 83-18789	74	17	66	137	80	18	0	0
839	BR 82-1185	75	17	70	137	90	19	0	0
840	GO 83-16657	75	17	64	143	70	18	143	0
841	BR 83-9053	73	17	62	137	77	17	0	0
842	GO 83-21582	73	18	73	130	89	19	137	0
843	GO 83-16658	74	16	73	143	90	18	0	0
844	GO 83-21591	69	17	86	130	100	20	137	0
845	BR 83-8901	65	14	55	143	99	19	0	0
846	GO 83-24741	74	17	68	130	95	18	137	0
847	GO 83-17951	65	11	58	137	84	19	0	0
848	GO 83-22774	74	19	62	137	75	18	0	0
849	GO 83-17988	74	16	69	137	77	18	0	0
850	BR 83-11144	78	17	70	143	85	20	0	0



## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
99	2.0	1.0	2.0	1.0	1.0	1.0		12.16	YELLOW	30
100	2.0	1.0	2.0	1.0	1.0	1.0		13.88	YELLOW	34
101								14.92	YELLOW	37
102	1.5	1.0	2.0	1.0	1.0	1.0		0.00	YELLOW	37
103	1.5	1.0	3.0	1.0	1.0	1.0		14.91	YELLOW	42
104	1.5	1.0	3.0	1.0	1.0	1.0		14.59	YELLOW	0
105	2.0	1.0	2.5	2.0	1.0	1.0	NORTH	12.93	YELLOW	36
106	2.0	1.0	1.0	1.0	1.0	1.0	N,V LATE	17.27	YELLOW	31
107	2.0	1.0	1.0	1.0	1.0	1.0		14.61	YELLOW	46
108	3.0	1.0	1.0	1.0	1.0	1.0	NORTH	16.78	YELLOW	38
109	3.0	2.0(?)	2.0	1.0	1.0	1.0		15.41	YELLOW	36
110	?	?	?	?	?	?	MIX	14.40	YELLOW	38
111	2.0	1.0	2.0	1.0	1.0	1.0		15.09	YELLOW	21
112	1.5	1.0	1.0	1.0	1.0	1.0		14.06	YELLOW	34
113	3.0	1.0	2.0	1.0	1.0	1.0		12.11	YELLOW	0
114	2.0	1.0	2.0	1.0	1.0	1.0		17.35	YELLOW	36
115	1.5	1.0	1.0	1.0	1.0	1.0	NORTH	12.95	YELLOW	41
116	2.5	1.0	3.0	1.0	1.0	1.0		13.40	YELLOW	37
117	1.5	1.0	3.0	1.0	1.0	1.0		13.70	YELLOW	33
118	1.5	1.0	1.0	1.0	1.0	1.0	NORTH	14.15	YELLOW	35
119	1.5	1.0	2.0	1.0	1.0	1.0		14.13	YELLOW	41
120	1.5	1.0	2.5	1.0	1.0	1.0		12.31	YELLOW	34
121	1.5	1.0	3.0	1.0	1.0	1.0		14.66	YELLOW	41
122	1.5	1.0	2.0	2.0	1.0	1.0		12.18	YELLOW	25
123	1.5	1.0	2.5	1.0	1.0	1.0		15.90	YELLOW	36
124	1.5	1.0	2.0	1.0	1.0	1.0		12.11	YELLOW	36
125	2.0	1.0	1.5	1.0	1.0	1.0		13.31	YELLOW	22
126	2.0	1.0	1.5	1.0	1.0	1.0		0.00	YELLOW	0
127	2.0	1.0	1.5	1.0	1.0	1.0		14.41	YELLOW	21
128	2.0	1.0	2.0	1.5	1.0	1.0		14.60	YELLOW	30
129	3.0	1.0	2.5	1.0	1.0	1.0		13.20	YELLOW	0
130	2.5	2.0(?)	3.0	1.0	1.0	1.0		15.70	YELLOW	37
131	1.5	2.0(?)	3.0	1.0	1.0	1.0		15.90	YELLOW	40
132	1.5	1.0	1.0	2.0	1.0	1.0		16.08	YELLOW	24
133	2.5	1.0	1.5	1.0	1.0	1.0	NORTH	14.08	YELLOW	27
134	1.5	1.0	2.0	1.0	1.0	1.0		13.74	YELLOW	31
135	1.5	1.0	2.0	1.0	1.0	1.0		14.09	YELLOW	30
136	2.0	1.0	2.0	1.0	1.0	1.0		15.31	YELLOW	22
137	2.0	1.0	2.0	1.0	1.0	1.0		11.89	YELLOW	34
138	2.0	1.0	2.0	1.0	1.0	1.0		11.85	YELLOW	39
139	2.0	1.0	3.0	1.0	1.0	1.0		13.89	YELLOW	42
140	2.0	1.0	2.0	1.0	1.0	1.0		15.47		34
141	2.0	1.0	2.5	1.0	1.0	1.0		14.74	YELLOW	36
142	2.0	1.0	2.5	1.0	1.0	1.0		17.01	YELLOW	43
143	1.5	1.0	2.0	1.0	1.0	1.0		19.16	YELLOW	18
144	1.5	1.0	2.0	2.0	1.0	1.0	NORTH	14.95	YELLOW	41
145	1.5	1.0	2.5	1.0	1.0	1.0	NORTH	22.03	YELLOW	21
146	2.5	1.0	2.0	1.0	1.0	1.0		14.76	YELLOW	37
147	1.5	1.0	1.5	1.0	1.0	1.0		13.76	YELLOW	0
148	2.0	2.0(?)	2.0	1.0	1.0	1.0		12.07	YELLOW	40





## INITIAL EVALUATION OF IITA SOYBEAN GERmplasm

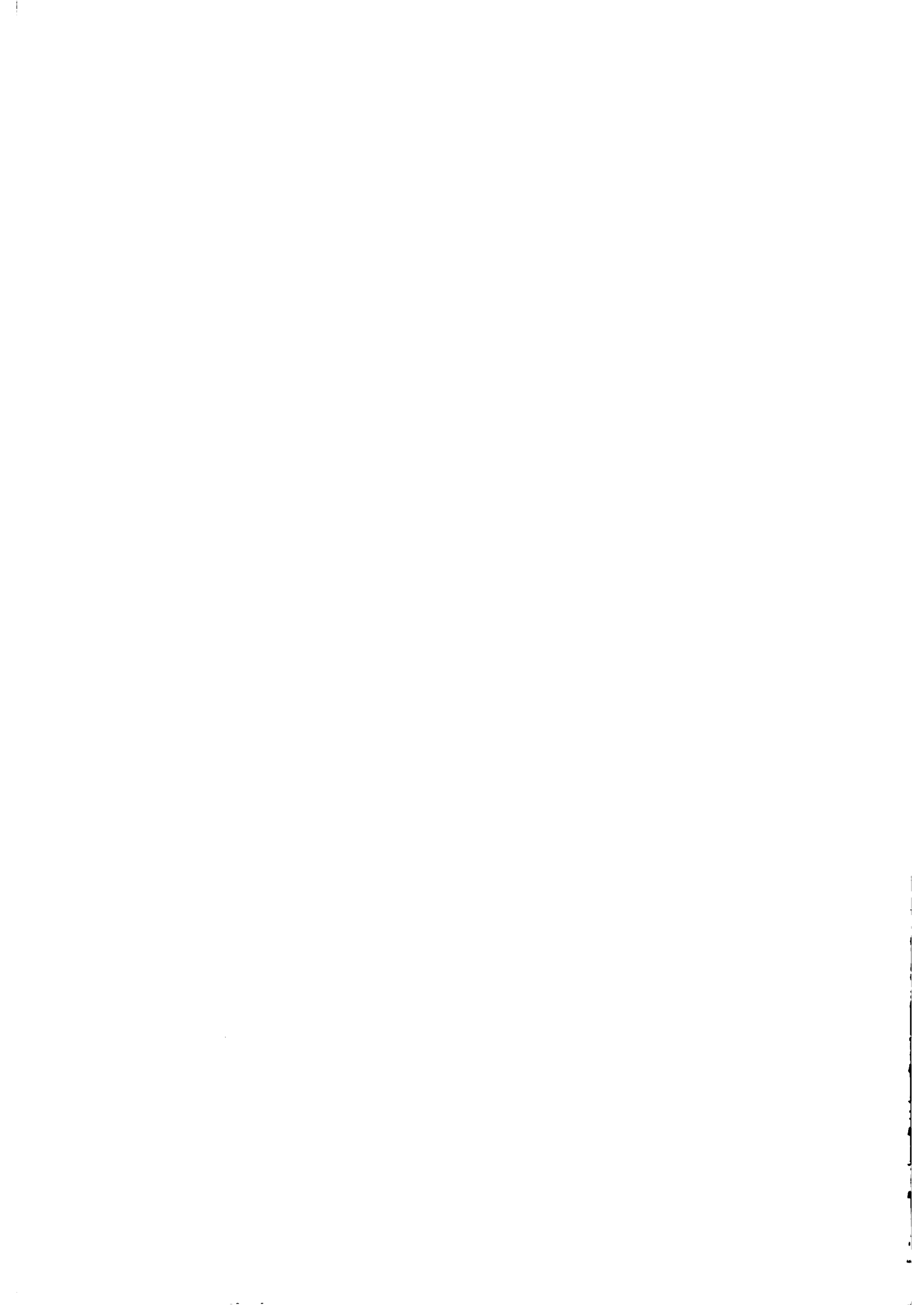
PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
851	GO 83-18014	64	14	48	130	74	17	0	0
852	BR 82-1349	75	15	78	143	101	22	0	0
853	GO 83-24708	75	17	79	137	90	18	0	0
854	GO 83-18791	74	16	85	137	80	18	0	0
855	GO 83-18785	65	13	55	137	80	19	0	0
856	GO 83-17999	65	14	53	137	85	18	0	0
857	GO 83-18757	74	18	74	130	83	18	137	0
858	GO 83-21683	73	16	76	137	86	18	0	0
859	GO 83-18781	74	14	75	137	90	20	0	0
860	GO 83-18015	65	14	54	143	81	17	0	0
861	BR 83-8908	65	13	56	130	75	17	137	0
862	BR 81-1358	60	13	0	123	69	17	126	0
863	GO 83-27048	74	15	74	130	85	18	137	0
864	BR 79-198	71	18	68	137	74	18	0	0
865	BR 82-1102	75	16	77	143	82	18	0	0
866	GO 83-27522	75	17	80	137	90	19	0	0
867	GO 83-21564	80	17	90	143	100	20	0	0
868	BR 82-1098-4	73	16	75	143	91	18	0	0
869	GO 83-18768	77	17	68	143	70	18	0	0
870	GO 83-22782	74	18	65	137	82	20	0	0
871	FT 2	42	8	34	101	45	10	111	0
872	FORREST	42	10	42	94	45	11	104	0
873	IAC 74-2832	55	11	35	115	57	13	117	0
874	D64-4636	42	10	45	97	45	12	117	0
875	BR 79-15197	55	11	45	95	55	14	99	30
876	LO 75-1112	46	9	45	97	60	13	0	0
877	PI-181696	74	17	80	123	106	20	125	80
878	D72-9601-1	42	9	40	95	40	15	0	0
879	BR-6	42	9	40	95	40	10	101	10
880	GO 81-8238	46	8	45	102	70	17	117	0
881	GO 81-11174	46	13	35	101	70	16	117	0
882	GO 81-12049	46	16	47	102	70	17	117	0
883	IPB 78-504	46	10	55	101	75	15	0	0
884	GO 81-10050	46	10	47	102	77	15	117	0
885	GO 81-10120	46	10	50	101	70	15	0	0
886	FT 79-3340	48	11	47	101	48	13	0	0
887	GO 81-8182	55	10	45	111	67	15	117	0
888	BR 80-6993	55	10	47	101	60	13	111	0
889	GO 81-8491	46	11	50	108	87	18	117	0
890	GO 81-8115	46	12	50	101	75	18	117	0
891	BR 80-14247	46	10	40	103	80	18	111	0
892	GO 81-12066	54	11	47	103	60	14	111	0
893	BR 81-3296	60	12	35	137	65	17	137	0
894	IAC-7 (RC4)	71	17	75	137	77	19	0	0
895	IAC-7 (RC3)	71	16	72	137	75	18	0	0
896	IAC-11	60	14	42	123	75	16	126	0
897	UFV 80-96	60	14	45	130	74	17	137	0
898	UFV 80-90	60	13	45	130	65	16	137	0
899	BR 78-23403	55	11	50	125	73	16	137	0
900	IAC-7 (RC5)	71	14	75	137	80	17	0	0



PAGE NO. 00018

## INITIAL EVALUATION OF IITA SOYBEAN GERmplasm/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
849	1.5	1.0	1.5	1.0	1.0	1.0		12.31	YELLOW	33
850	2.0	1.0	2.5	2.0	1.0	1.0	NORTH	13.46	YELLOW	38
851	2.0	1.0	3.0	1.0	1.0	1.0		14.59	YELLOW	41
852	1.5	1.0	1.5	1.0	1.0	1.0	NORTH	15.27	YELLOW	35
853	2.0	1.0	3.0	1.0	1.0	1.0		13.40	YELLOW	33
854	1.5	1.0	3.0	1.0	1.0	1.0		14.60	YELLOW	40
855	1.5	1.0	2.0	1.0	1.0	1.0		12.09	YELLOW	37
856	1.5	1.0	2.0	1.0	1.0	1.0		11.58	YELLOW	31
857	2.0	1.0	3.0	1.0	1.0	1.0		15.59	YELLOW	42
858	1.5	1.0	2.5	1.0	1.0	1.0		17.68	YELLOW	27
859	2.0	1.0	3.0	1.0	1.0	1.0		12.47	YELLOW	29
860	1.5	1.0	2.0	1.0	1.0	1.0		18.88	YELLOW	20
861	1.5	1.0	2.0	1.0	1.0	1.0		16.25	YELLOW	21
862	1.5	1.0	1.5	1.0	1.0	1.0		14.89	YELLOW	39
863	1.5	1.0	2.5	1.0	1.0	1.0		10.18	YELLOW	37
864	1.5	1.0	1.5	2.0	1.0	1.0		18.53	YELLOW	20
865	1.5	1.0	1.5	1.0	1.0	1.0		15.92	YELLOW	19
866	1.5	1.0	2.5	1.0	1.0	1.0		13.18	YELLOW	24
867	3.0	1.0	2.5	1.0	1.0	1.0	NORTH	13.42	YELLOW	23
868	1.5	1.0	3.5	1.0	1.0	1.0		16.12	YELLOW	22
869	2.0	1.0	2.0	1.0	1.0	1.0		9.18	YELLOW	27
870	2.0	2.0(?)	3.0	1.0	1.0	1.0		15.25	YELLOW	41
871	2.0	?	?	?	?	?	SHORT	17.19	YELLOW	23
872	?	?	?	?	?	?		15.45	YELLOW	19
873	2.0	1.0	2.0	1.0	1.0	1.0		7.20	YELLOW	36
874	2.0	?	?	?	?	?		16.15	YELLOW	18
875							COLHIDA	5.97	YELLOW	22
876	2.0	?	?	?	?	?		13.38	YELLOW	16
877	3.5	1.0(?)	2.0	1.0	1.0	1.0		8.40	BLACK	39
878	3.0	?	?	?	?	?		16.20	YELLOW	26
879							COLHIDA	15.07	YELLOW	28
880	3.0	?	?	?	?	?		16.00	YELLOW	28
881	2.0	?	?	?	?	?		14.22	YELLOW	0
882	2.0	?	?	?	?	?		15.84	YELLOW	21
883	2.0	?	?	?	?	?		17.04	YELLOW	21
884	2.0	?	?	?	?	?		15.94	YELLOW	23
885	2.5	?	?	?	?	?		13.00	YELLOW	23
886	2.5	?	?	?	?	?		13.98	YELLOW	21
887	2.0	?	?	?	?	?		14.44	YELLOW	17
888	2.0	?	?	?	?	?		13.91	YELLOW	20
889	2.5	?	?	?	?	?		15.96	YELLOW	30
890	2.0	?	?	?	?	?		17.88	YELLOW	13
891	2.0	?	?	?	?	?		17.46	YELLOW	30
892	1.5	?	?	?	?	?		13.26	YELLOW	38
893	2.0	1.0	2.0	1.0	1.0	1.0		13.16	YELLOW	40
894	1.5	1.0	2.5	1.0	1.0	1.0		14.48	YELLOW	26
895	1.5	1.0	2.5	1.0	1.0	1.0		12.39	YELLOW	45
896	1.5	1.0	2.0	1.0	1.0	1.0		13.77	YELLOW	21
897	2.0	1.0	2.5	1.0	1.0	1.0		13.89	YELLOW	39
898	2.0	1.0	2.0	1.0	1.0	1.0		14.22	YELLOW	38



## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
901	BR 79-32681	46	10	35	123	68	16	137	0
902	FT 79-2007	54	11	40	109	55	13	117	0
903	FT 79-2321	55	11	35	111	47	14	117	0
904	GO 81-11103	53	11	35	109	75	16	117	0
905	FT 79-3912	0	0	0	0	0	0	125	0
906	BR 80-6935	55	12	50	104	66	16	117	0
907	GO 81-11085	46	9	45	123	86	16	125	0
908	FT 79-2528	52	12	50	101	155	15	117	0
909	GO 81-11034	55	11	50	115	73	18	117	0
910	GO 81-11091	54	12	53	108	63	15	117	0
911	GO 81-11015	52	12	55	104	95	18	117	30
912	FT 79-2363	55	13	60	123	70	15	125	0
913	GO 81-11087	55	11	55	103	107	20	117	0
914	GO 81-10056	55	11	45	104	90	18	117	0
915	GO 81-11091	55	11	45	108	67	13	117	0
916	GO 81-8491	56	11	45	104	85	18	117	20
917	GO 81-10050	46	9	45	101	65	15	111	0
918	GO 81-8238	55	13	53	103	74	18	117	0
919	GO 81-11031	55	12	43	108	77	19	117	0
920	LO 75-1494	0	0	0	0	0	0	0	0
921	PR-10001	0	0	0	0	0	0	0	0
922	J-289 (hilo es)	0	0	0	0	0	0	0	0
923	J-289 (hilo cl)	0	0	0	0	0	0	0	0
924	GO 81-11087	55	11	53	108	94	19	117	0
925	GO 81-11103	46	9	50	108	91	17	117	0
926	GO 81-11034	55	12	40	111	90	17	117	20
927	GO 81-10056	55	12	40	109	90	18	117	30
928	GO 81-10075	55	11	50	115	93	19	117	30
929	GO 81-11015	55	13	55	102	90	15	117	40
930	GO 81-11075	55	12	50	123	95	20	125	0
931	GO 81-12066	55	11	48	104	65	13	117	0
932	GO 81-11081	55	13	56	123	100	20	125	30
933	GO 81-8239	53	12	43	109	90	20	117	30
934	GO 81-8484	55	12	40	108	84	19	117	0
935	GO 81-11090	54	12	40	115	87	16	117	20
936	GO 81-8115	0	0	0	0	0	0	0	0
937	GO 81-11038	55	12	50	108	80	17	117	30
938	GO 81-8181	46	11	55	108	87	20	117	0
939	GO 81-11174	46	10	40	108	80	18	117	40
940	ICA L-139	61	14	48	139	60	14	139	0
941	IAC L-109	51	13	35	97	40	14	113	0
942	AGS 29	51	10	40	105	61	15	113	0
943	IAC L-135	56	13	43	119	66	17	121	0
944	IAC L-137	56	14	46	119	80	20	121	0
945	IAC L-128	56	13	46	107	75	18	113	0
946	IAC L-124	51	12	40	105	40	12	113	0
947	ICA L-119	51	12	50	0	0	0	113	0
948	ICA TUNIA	0	0	0	0	0	0	0	0
949	ICA L-142	61	13	47	119	75	21	122	0
950	ICA L-141	51	12	30	119	30	12	121	0



AGE NO. 00019

## INITIAL EVALUATION OF IITA SOYBEAN GERMPLASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
99	2.0	1.0	2.0	1.0	1.0	1.0		12.13	YELLOW	41
00	1.5	1.0	2.5	1.0	1.0	1.0		16.07	YELLOW	0
01	2.0	1.0	1.5	1.0	1.0	1.0		14.43	YELLOW	26
02	2.0	1.0	2.0	1.0	1.0	1.0	SHORT	14.12	YELLOW	14
03	2.0	1.0	2.0	1.0	1.0	1.0	SHORT	15.53	YELLOW	18
04	2.0	1.0	2.0	1.0	1.0	1.0		15.69	YELLOW	7
05	2.0	1.0	2.0	1.0	1.0	1.0		0.00	YELLOW	0
06	2.0	1.0	2.0(?)	1.0	1.0	1.0		14.66	YELLOW	25
07	2.5	1.0	1.5	1.0	1.0	1.0		13.65	YELLOW	7
08	2.0	?	?	?	?	?		13.56	YELLOW	25
09	3.0	1.0	2.0	1.0	1.0	1.0		17.31	YELLOW	10
10	2.0	1.0	2.0	1.0	1.0	1.0		14.80	YELLOW	12
11	3.0	1.0	?	?	?	?		13.64	YELLOW	15
12	2.0	1.0	2.5	1.0	1.0	1.0		15.12	YELLOW	13
13	2.5	1.0	2.0	1.0	1.0	1.0		15.78	YELLOW	15
14	2.0	1.0	?	1.0	1.0	1.0		15.10	YELLOW	15
15	2.0	1.0	2.0	1.0	1.0	1.0		15.44	YELLOW	12
16	2.0	1.0	1.0	1.0	1.0	1.0		17.50	YELLOW	21
17	2.0	?	?	?	?	?		16.72	YELLOW	21
18	2.5	?	?	?	?	?		13.80	YELLOW	22
19	2.5	1.0	2.0	1.0	1.0	1.0		16.66	YELLOW	22
20								0.00		0
21								0.00		0
22								0.00		0
23								0.00		0
24	2.5	1.0	2.0	1.0	1.0	1.0		15.82	YELLOW	18
25	2.5	1.0	2.0	1.0	1.0	1.0		17.60	YELLOW	14
26	3.0	1.0	2.0	1.0	1.0	1.0		17.13	YELLOW	5
27	3.0	1.0	2.0	1.0	1.0	1.0		14.64	YELLOW	9
28	3.0	1.0	2.0	1.0	1.0	1.0		14.97	YELLOW	7
29	3.5	?	?	?	?	?		12.75	YELLOW	9
30	3.0	1.0	1.5	1.0	1.0	1.0		15.19	YELLOW	14
31	2.0	?	?	?	?	?		14.60	YELLOW	21
32	4.0	1.0	1.5	1.0	1.0	1.0		17.84	YELLOW	28
33	2.5	1.0	2.0	1.0	1.0	1.0		12.49	YELLOW	10
34	2.0	1.0	2.0	1.0	1.0	1.0		17.40	YELLOW	10
35	2.5	1.0	2.0	1.0	1.0	1.0		16.89	YELLOW	27
36								0.00		0
37	3.0	1.0	2.0	1.0	1.0	1.0		15.16	YELLOW	11
38	2.5	1.0	2.0	1.0	1.0	1.0		17.36	YELLOW	15
39	3.0	1.0	2.0	1.0	1.0	1.0		15.10	YELLOW	23
40	1.5	1.0	2.0	1.0	1.0	1.0		21.88	YLWGRN	35
41	2.5	?	?	?	?	?	SHORT	17.79	YELLOW	15
42	2.0	1.0	2.0	?	?	?		14.44	YELLOW	31
43	2.0	1.0	2.0	1.0	1.0	1.0		0.00	YELLOW	0
44	2.0	1.0	2.0	1.0	1.0	1.0		13.14	YELLOW	5
45	1.5	1.0	2.0	1.0	1.0	1.0		9.24	YELLOW	29
46	2.0	1.0	2.0	1.0	1.0	1.0	SHORT	27.40		9
47	2.0	1.0	2.0	1.0	1.0	1.0		0.00		8
48	2.0	1.0	2.0	1.0	1.0	1.0		0.00		0





## INITIAL EVALUATION OF IITA SOYBEAN GERMPASM

PLOT	GENOTYPE	DF	NF	HF	DM	HH	NH	DH	LODG
951	ICA L-138	53	11	34	119	54	15	121	0
952	ICA L-130	56	13	40	119	45	16	121	0
953	AGS 58	0	0	0	0	0	0	0	0
954	ICA L-136	51	13	30	0	0	0	105	0
955	ICA L-133	66	17	63	119	63	15	121	0
956	ICA L-126	67	14	50	139	85	21	139	0
957	ICA L-134	70	15	55	119	56	16	121	0



AGE NO. 00020

## INITIAL EVALUATION OF IITA SOYBEAN GERMPASM/PART 2

PLOT	ASPECT	PUSTULE	BLIGHT	FROGEY	SMV	SEPT	OTHER	100S	COLOR	EM
49								13.67	YELLOW	13
50	2.0	1.0	2.0	2.0	1.0	1.0		0.00	YELLOW	0
51	2.5	1.0	2.0	1.0	1.0	1.0	SHORT	12.22	YELLOW	27
52	2.0	1.0	2.0	1.0	1.0	1.0		0.00	YELLOW	0
53								0.00		0
54	2.0	?	?	?	?	?		0.00	YELLOW	0
55	1.5	1.0	2.0	1.0	1.0	1.0		12.62	YELLOW	24
56	2.5	1.0	1.5	1.0	1.0	1.0		18.57	YELLOW	19
57	2.0	1.0	1.5	1.0	1.0	1.0		14.80	YELLOW	16



APPENDIX, SECTION 6.

SOYBEAN SEED MULTIPLICATION AND EVALUATION, GOIANIA - JUNE 1985 PLANTING

No.	Entry	Aspect Flow- ering	Days Flow- ering	Days har- vest	Lod- ging	Nbr. nodes	Plant Height	Blight	Aspect har- vest	Comments
01	TGx 239-6D	2.0	86	158	3.0	18	85	2.0	2.5	
02	239-22D	2.5	88	184	2.0	17	93	3.0	2.5	VERY LATE
03	239-41D	2.5	82	147	2.5	17	72	2.5	2.0	
04	239-51D	3.0	89	150	3.0	18	72	2.0	2.0	
05	239-52D	3.0	83	147	2.5	16	75	2.0	2.0	SHATTERING
06	239-9F	3.0	75	134	1.5	14	62	1.5	2.0	
07	302A-64D	3.0	80	145	1.0	13	61	1.5	2.0	
08	302A-78F	2.5	88	153	2.5	17	86	1.5	2.0	
09	306-036C	2.0	101	184	2.5	17	90	2.0	3.5	NOT ADAPTED
10	307-25E	2.0	84	163	1.0	17	75	3.0	2.5	VERY LATE
11	311-4D	2.0	81	137	1.5	16	70	1.5	1.5	
12	311-23E	2.0	81	128	1.0	14	65	1.5	1.5	
13	311-27D	2.0	84	133	1.0	12	66	1.5	1.5	
14	311-42D	1.5	80	126	1.5	15	77	2.0	1.5	
15	311-59F	2.0	79	126	1.5	15	62	3.0	2.0	SHATTERING
16	311-72F	2.0	79	128	1.5	13	67	2.0	1.5	SUSC. SMV
17	311-75F	2.0	83	128	1.0	13	56	2.0	2.0	SHATTERING
18	311-104F	3.0	86	130	1.0	14	53	1.5	2.5	
19	317-15F	3.0	70	112	1.0	11	48	3.0	2.5	
20	330-04E	2.5	67	112	1.5	12	57	1.0	2.0	
21	342-356D	2.0	91	145	1.5	19	90	3.0	2.5	FOL. RETEN.
22	442-02D	2.5	81	99	1.5	13	86	3.0	2.5	FOL. RETEN.
23	533-79C	3.0	81	128	3.0	15	85	2.0	2.5	
24	536-01D	3.0	69	128	1.0	14	72	1.5	2.0	



No. Entry	Aspect Flow-ering	Days Flow-ering	Days har-vest	Lod-ging	Nbr. noden	Plant Height	Blight	Aspect har-vest	Comments	
25	TGx 536-02D	3.0	79	126	1.5	14	75	1.5	2.5	
26	536-03D	3.5	79	126	3.0	14	88	1.5	2.5	
27	539-2F	3.0	77	126	1.5	12	75	3.0	2.0	
28	539-3F	3.0	78	126	3.0	11	65	3.5	2.0	
29	539-5E	1.5	74	132	1.0	11	58	1.5	2.0	LATE
30	542-2C	2.0	82	151	1.5	17	79	1.5	2.0	SHATTERING
31	551-2D	2.0	822	139	2.0	15	81	3.5	3.0	
32	568-1D	2.0	79	132	1.0	11	60	2.0	3.0	
33	573-01D	2.0	82	148	1.0	17	85	2.0	2.5	LATE, GR.STEM
34	573-1E	4.0	77	123	1.0	11	48	4.0	2.0	
35	573-2F	1.5	78	143	1.5	14	65	2.5	2.0	GR. STEM
36	573-15F	2.0	81	126	1.5	13	70	1.5	2.0	
37	573-104C	4.0	77	117	1.5	10	43	1.5	2.5	
38	573-209D	2.0	78	139	1.5	15	66	2.0	1.5	PROMISING
39	573-219D	2.5	77	135	1.0	12	62	2.5	2.0	
40	573-221E	2.0	81	143	1.0	12	61	2.0	1.5	SMV SUSC.
41	599-5D	3.5	77	143	2.0	13	63	1.5	2.5	FOL.RET/GR.STEM
42	709-01E	2.5	86	145	1.0	14	64	3.5	2.5	SHATTERING
43	709-03D	2.0	81	143	1.5	14	75	3.5	2.5	GR. STEM
44	709-05D	4.0	81	148	3.0	15	90	3.5	2.5	
45	709-06D	4.0	79	156	3.5	13	73	4.0	2.5	FOL.RET/GR.STEM
46	709-45E	2.5	81	143	2.0	15	80	4.0	2.5	FOL.RET/GR.STEM
47	711-01D	2.0	80	148	1.0	17	90	2.0	3.0	GR. STEM
48	713-09D	1.5	80	145	2.0	14	83	1.5	2.5	SMV SUSC.
49	716-01E	2.5	81	145	1.5	13	65	2.0	2.0	
50	716-02E	2.5	81	148	2.0	15	70	1.5	2.5	
51	725-01D	2.5	87	161	2.0	14	79	2.5	2.5	
52	725-011D	4.0	88	-	-	-	-	3.0	-	NOT ADAPTED
53	725-5E	3.0	88	156	1.5	16	72	3.0	2.5	HIL.BLED/GR.STEM





No.	Entry	Aspect Flow-ering		Days Flow-ering		Days har-vest		Lod-ging	Nbr. nodes	Plant Height	Blight	Aspect har-vest		Comments
		Flow-ering	er-ing	Flow-ering	er-ing	har-vest	est					har-vest	est	
54	TGx 726-01E	2.5	77	143	1.5	11	59	2.5	2.5	NOT ADAPTED				
55	742-2D	2.5	91	-	-	-	-	3.0	-	SUSC.POD BUG				
56	758-6E	3.5	96	182	1.0	18	60	4.0	3.5	GR.ST/FOL.RET/SMV S.				
57	766-16F	3.0	90	156	1.5	17	83	3.0	2.5	VERY LATE				
58	789-2F	2.0	96	161	1.0	19	84	3.0	2.0	SHORT,PROMISING				
59	802-182D	3.0	82	143	1.5	12	60	4.5	2.0	VERY LATE				
60	802-319D	3.0	92	156	1.5	18	83	3.5	2.0	VERY LATE				
61	802-321D	2.0	94	161	2.0	17	85	3.0	1.5	VERY LATE				
62	803-28D	2.0	83	161	2.0	15	84	3.0	2.5	PROLIFIC FLOWERING				
63	803-86D	2.5	84	135	2.5	15	60	3.0	2.5	SHORT				
64	813-11D	2.0	77	139	1.5	10	52	2.5	3.0	SHORT				
65	813-12D	3.0	80	143	1.5	12	65	2.5	2.0	SHORT				
66	813-14D	3.0	76	135	1.0	11	52	3.5	3.0	SHORT				
67	813-22D	2.0	75	135	1.0	10	50	2.5	3.0	SHORT				
68	813-25D	2.0	78	143	1.0	11	60	2.0	2.0	LATE				
69	813-38D	3.5	78	139	2.0	12	57	4.0	2.5	LATE				
70	814-26D	2.0	80	148	2.0	15	72	2.0	1.5	VERY LATE				
71	814-32D	2.0	87	182	1.5	18	73	2.0	2.0	VERY LATE				
72	814-36D	2.0	82	161	1.0	16	68	2.0	1.5	VERY LATE				
73	814-39D	1.5	83	161	1.5	16	84	1.5	1.5	VERY LATE				
74	814-40D	2.0	82	161	2.0	17	88	2.0	2.0	VERY LATE				
75	814-41D	2.0	78	161	2.0	15	83	3.0	2.0	VERY LATE				
76	814-42D	2.0	77	161	1.5	14	74	3.0	1.5	PROMISING, LATE				
77	814-49D	1.5	81	161	1.5	17	91	2.0	1.5	PROMISING, LATE				
78	814-51D	2.0	94	189	1.5	18	86	2.5	2.0	VERY LATE				
79	814-53D	2.0	87	182	2.0	17	81	2.0	2.5	VERY LATE				
80	814-54D	2.0	94	182	1.5	17	83	2.0	3.0	VERY LATE				
81	824-34D	3.0	73	132	1.5	15	60	3.5	2.5	VERY LATE				
82	849-309D	3.0	74	132	1.5	12	65	3.0	2.5	SHATTERING				



No. Entry	Aspect Flowering	Days Flowering	Days Harvest	Lodging	Nbr. nodes	Plant Height	Blight	Aspect Harvest	Comments
83	3.5	79	135	2.0	12	65	2.0	2.5	PROLIF. FLR, SHATTER.
84	4.0	60	124	1.0	09	38	2.5	2.5	SHORT
85	2.0	79	148	1.5	14	72	1.0	1.5	GOOD, LATE
86	2.5	78	135	1.5	12	63	1.0	1.5	GOOD
87	4.0	60	124	1.0	09	37	1.0	2.0	SHORT
88	3.5	82	139	1.5	12	65	3.0	3.0	SMV SUSC.

Aspect Flowering (1-5): Overall rating where 1 = excellent; 5 = very poor.

Lodging (1-5): 1 = no plants lodged; 5 = all plants lodged.

Blight (1-5): 1 = no bacterial blight; 5 = severe symptoms of bacterial blight.

Aspect Harvest (1-5): Overall rating where 1 = excellent; 5 = very poor.



APPENDIX, SECTION 7.SOYBEANS SOWN AT RIO FORMOSO PROJECT 31 MAY, 1985

No.	Entry	Days Flow- ering	Lodg. ing	As- pect	Days har- vest	Foliar Reten- tion	Seed GR	Plant Ht.	Comments Aug.30
01	TGx 118-2F	47	2	4.0	98	2	0930	84	
02	118-14F	48	3	4.0	98	1	0840	93	
03	239-7E	57	1	?	160	5	0400	74	
04	239-22D	56	1	?	160	4	--	68	
05	239-41D	52	2	2.0	122	3	1300	79	
06	239-62E	50	1	2.5	117	2	0940	87	
07	239-4E	56	1	?	160	5	--	77	
08	252-1C	45	2	3.0	102	4	0740	81	
09	239-51D	54	2	2.5	126	3	1450	78	
10	239-52D	45	2	2.0	122	1	1230	69	
11	EMGOPA 301	43	1	2.0	102	2	--	60	
12	TGx 239-56E	54	2	2.0	132	3	1490	76	
13	239-6D	53	1	2.5	132	4	1180	69	
14	252-5E	43	2	3.0	95	4	0640	62	SPINDLY
15	252-6C	45	2	2.5	102	4	0790	74	
16	252-71C	45	1	2.5	102	4	0780	71	
17	293-3D	55	2	?	160	4	0480	89	
18	293-11E	43	2	4.0	98	4	1000	81	WEAK
19	293-12E	54	3	3.0	122	5	1600	72	
20	293-16E	53	3	4.0	117	4	1560	73	
21	BOSSIER	36	1	4.0	98	5	0410	40	
22	TGx 293-17E	54	3	3.0	122	2	1480	71	LODGING
23	293-23E	53	2	3.0	122	5	1320	72	SL.LODGING
24	293-34E	53	2	3.0	122	5	1250	72	SL.LODGING
25	293-38E	53	2	3.0	117	4	1330	69	SL.LODGING
26	293-44E	54	3	3.0	122	4	1370	72	
27	293-46E	56	3	3.0	122	4	1630	67	
28	297-9F	44	2	3.0	95	3	0720	63	SPINDLY
29	297-13F	44	2	3.0	95	3	0880	64	WEAK
30	297-15F	45	2	2.5	95	3	0910	63	SL.WEAK
31	TROPICAL	55	2	2.0	132	2	1570	75	
32	TGx 297-17F	50	4	4.0	102	4	0890	86	LODGING
33	297-16F	45	2	3.0	98	2	0870	70	
34	297-20F	41	2	3.0	91	3	0500	71	
35	298-7D	47	2	3.0	112	4	0870	73	
36	299-3D	51	3	4.0	98	4	0930	75	
37	299-7F	45	2	3.0	95	3	0640	76	
38	302A-12E	53	3	3.0	112	3	1260	70	LODGED
39	302A-13D	37	2	2.0	91	3	0530	80	GOOD HT.
40	302A-28	53	3	4.0	117	2	1380	69	LODGED
41	DOKO	50	1	2.0	126	3	0800	50	
41A	TGx 302A-34D	53	2	2.5	117	2	1290	91	LODGED
42	302A-36D	53	3	3.0	117	2	1180	90	
43	302A-37D	53	3	2.5	117	2	1140	82	



No.	Entry	Days Flow- ering	Lodg. ing	As- pect	Days har- vest	Foliar Reten- tion	Seed GR	Plant Ht.	Comments Aug.30
44	TGx 302A-47E	55	2	2.0	132	4	1180	94	TALL, ERECT
45	302A-55D	48	1	3.0	105	3	0690	67	
46	302A-64D	45	1	3.0	98	3	0640	72	SL.WEAK
47	302A-73F	54	1	2.5	117	2	0790	66	SL.SHORT
48	302A-78F	53	2	3.0	117	1	0970	72	SL.WEAK
49	302A-79F	52	2	4.0	112	2	1100	67	LODGED
50	302A-82F	53	3	4.0	112	2	1200	73	LODGED
51	IAC 8	48	1	3.0	122	1	1380	80	SL.LODGED
52	TGx 302A-95D	45	2	2.5	98	3	0770	73	SL.WEAK
53	302A-98F	52	2	3.0	102	3	0860	76	SL.LODGED
54	302A-103E	47	1	3.0	98	2	0840	66	
55	302A-106D	50	1	2.0	102	4	0840	71	GOOD HT.
56	302A-270C	55	2	?	134	4	1400	103	TALL, LATE
57	302A-239C	54	2	2.5	122	1	1080	89	
58	306-036C	56	1	?	134	4	1470	68	
59	307-048D	46	1	2.0	112	4	1100	73	PROMISING
60	307-5E	62	1	?	143	5	0820	75	PROMISING
61	BOSSIER	37	1	4.0	102	5	0520	40	SHORT
62	TGx 307-7E	50	1	2.0	117	1	1030	70	PROMISING
63	307-20E	52	1	1.5	122	2	1100	72	PROMISING
64	307-25E	50	1	1.5	122	2	1190	71	PROMISING
65	307-42E	50	1	1.5	117	4	0990	74	PROMISING
66	307-84E	47	1	2.0	102	3	0730	83	
67	307-104E	53	4	3.0	126	4	1160	83	LODGED
68	307-127E	47	2	3.0	102	4	0650	75	NOT UNIFORM
69	311-4D	47	1	3.0	95	1	0530	47	SHORT
70	311-14D	47	1	4.0	105	3	0920	83	WEAK
71	EMGOPA 301	43	1	3.0	105	4	0960	65	SL.SHORT
72	TGx 311-21D	47	1	2.5	98	2	0840	74	UNIFORM ?
73	311-23D	45	1	2.5	95	3	0750	57	SL.SHORT
74	311-27E	47	1	2.5	102	2	0780	67	
75	311-29E	47	1	3.0	102	2	0900	70	SL.WEAK
76	311-35D	45	2	3.5	102	2	0770	81	UNIFORM ?
77	311-36E	47	1	3.0	102	2	0880	83	
78	311-42D	47	1	2.0	95	3	0810	63	PROMISING
79	311-59F	47	1	2.5	98	1	0850	69	
80	311-72F	47	1	3.0	98	2	0750	67	SL.WEAK
81	TROPICAL	57	1	?	126	2	1080	88	GOOD
82	TGx 311-75F	47	1	3.5	98	2	0730	62	SL.SHORT
83	316-2F	50	1	3.0	91	1	0690	73	WEAK
84	317-15F	50	1	4.0	98	1	0100	41	SHORT
85	318-1F	45	1	4.0	105	5	0770	52	SHORT
86	318-4F	45	2	3.0	91	3	0730	75	SL.WEAK
87	330-04E	36	2	2.5	91	3	0620	61	SL.SHORT
88	340-11D	53	2	4.0	112	4	1060	84	LODGED
89	340-20E	50	1	4.0	102	2	0810	79	LODGED
90	342-356D	53	3	3.5	117	2	1100	85	LODGED
91	DOKO	50	1	1.5	126	3	1430	65	GOOD
92	TGx 344-1D	46	3	4.0	102	4	0640	114	LODGED
93	442-02D	50	2	3.5	102	4	0950	83	LODGED
94	463-01C	52	4	3.5	134	4	1260	80	LODGED

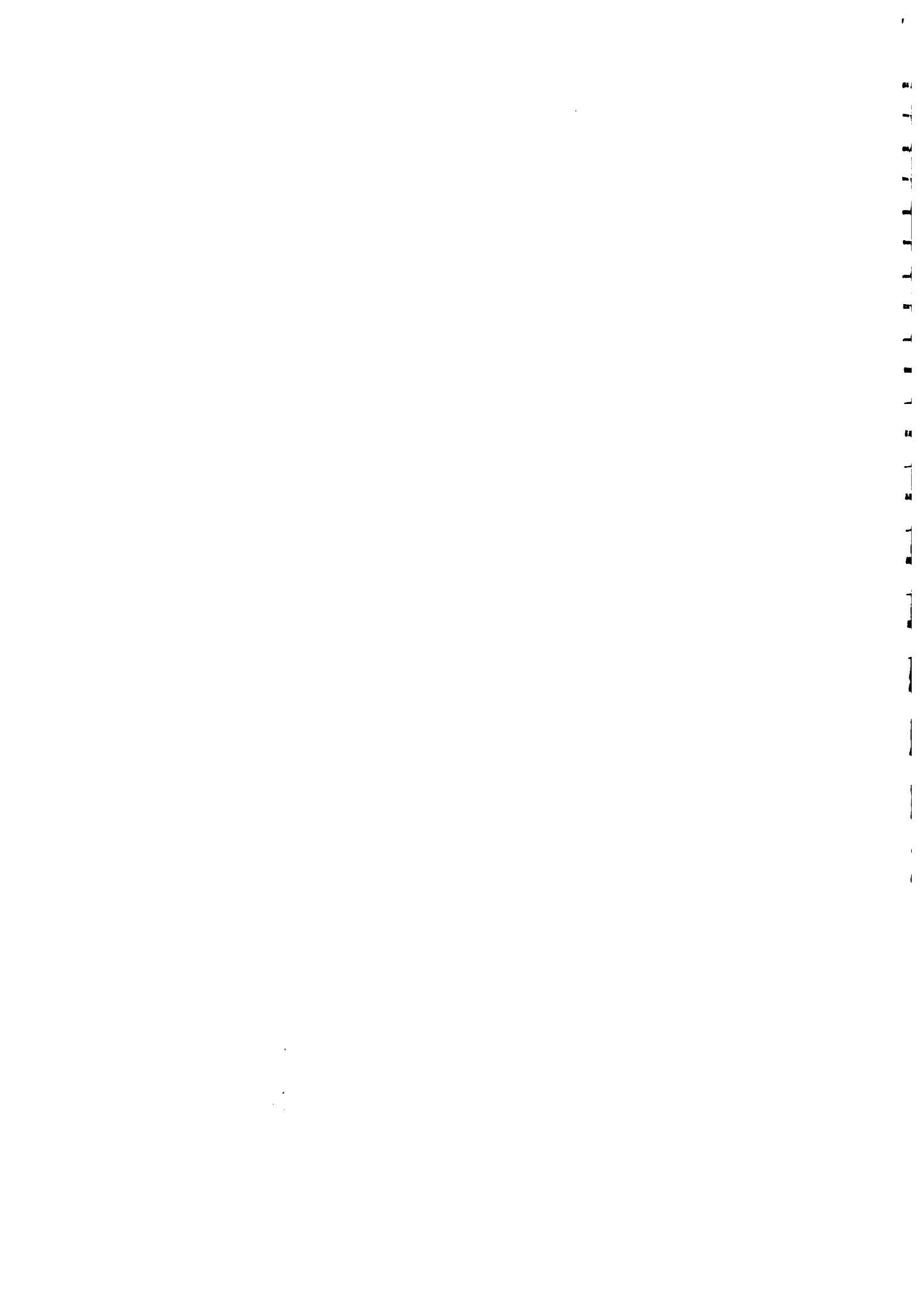




No.	Entry	Days Flow- ering	Lodg- ing	As- pect	Days har- vest	Foliar Reten- tion	Seed GR	Plant Ht.	Comments Aug.30
95	TGx 536-03D	41	1	2.5	95	3	0640	62	
96	539-2F	47	2	2.5	102	5	0700	72	
97	536-1D	42	1	3.0	102	5	0920	68	SL.WEAK
98	539-2F	36	1	4.0	98	5	0650	49	SHORT
99	539-3F	41	1	4.0	95	3	0830	50	SHORT
100	539-5E	45	1	4.0	95	3	0530	38	SHORT
101	IAC 8	47	2	2.0	112	2	1060	72	SL.LODGED
102	TGx 542-2C	53	2	3.0	117	4	1140	68	SL.LDOGED
103	551-2D	45	2	3.0	91	3	0710	75	SPINDLY
104	559-3D	39	1	3.0	91	4	0580	54	
105	559-7D	42	1	2.5	102	5	0850	69	SL.WEAK
106	559-8D	39	2	3.5	95	5	0530	46	WEAK
107	560-1F	47	4	4.0	98	4	0960	69	LODGED
108	560-2D	45	1	2.5	91	1	0520	62	PROMISING
109	560-3D	45	1	2.5	95	3	0590	62	OK
110	560-5D	45	1	2.0	95	1	0790	63	PROMISING
111	EMGOPA 301	44	1	2.5	102	2	0940	64	SL.WEAK
112	TGx 560-23E	45	1	2.5	95	1	0720	71	
113	562-4D	45	2	3.0	95	3	0820	78	SL.WEAK
114	568-1D	45	1	3.5	98	3	0770	51	SHORT
115	572-1G	36	2	?	143	5	0740	77	
116	573-01D	46	2	3.0	102	5	0800	74	SL.WEAK
117	573-1E	40	2	4.0	98	5	0570	39	SHORT
118	572-2G	59	4	?	143	4	1140	82	
119	573-2F	46	2	2.0	98	3	0910	64	PROMISING
120	573-3C	47	2	2.5	117	2	0960	73	
121	TROPICAL	56	1	?	132	1	1250	84	
122	TGx 573-6C	50	2	3.0	102	4	0600	72	
123	573-99D	50	1	3.0	102	1	0830	77	
124	573-104C	41	1	4.0	98	5	0680	63	
125	573-133D	49	1	2.5	98	3	0740	62	
126	573-209D	45	1	3.0	95	3	0720	63	
127	573-219D	45	1	2.0	95	1	0650	57	SL.SHORT
128	573-221E	45	1	3.0	95	1	0610	53	SHORT
129	573-317D	45	1	2.5	95	3	0600	60	
130	580-5F	47	3	3.0	102	4	0600	81	LODGED
131	DOKO	49	1	2.0	126	3	1440	59	SL.SHORT
132	TGx 599-5D	38	1	4.0	102	5	0380	42	SHORT
133	604-014C	45	2	3.5	102	4	0850	95	LODGED
134	604-4D	47	1	2.5	112	4	1110	76	SL.WEAK
135	605-09C	46	2	3.0	95	3	0760	67	SL.WEAK
136	709-03D	49	2	2.5	102	4	0700	89	PROMISING
137	709-05D	50	2	3.0	102	4	0740	80	UNIFORM ?
138	709-06D	50	2	3.0	117	3	1160	65	SL.WEAK
139	709-45E	50	2	2.0	102	4	0860	82	PROMISING
140	709-65E	46	1	1.5	91	1	0520	65	PROMISING
141	IAC 8	47	3	3.0	117	1	1480	77	LODGED
142	TGx 711-01D	45	1	2.5	102	4	0720	74	
143	712-01D	57	1	?	160	4	--	84	PROMIS.,LA
144	713-011D	53	1	1.5	133	5	1220	76	PROMISING



No.	Entry	Days Flow- ering	Lodg- ing	As- pect	Days har- vest	Foliar Reten- tion	Seed GR	Plant Ht.	Comments Aug.30
145	TGx 713-09D	47	1	2.5	102	4	0800	61	SL.WEAK
146	716-01E	53	1	2.0	112	4	1290	69	PROMISING
147	716-02E	51	2	2.5	126	4	1110	70	PROMISING
148	718-04E	50	2	2.5	112	4	1060	86	PROMISING
149	722-6E	51	3	2.5	132	5	1400	75	LODGED
150	722-7E	46	1	1.5	98	3	0640	80	PROMISING
151	BOSSIER	38	1	4.0	98	5	0610	38	SHORT
152	TGx 722-8E	53	2	2.0	143	5	1200	83	PROMISING
153	722-9E	55	2	2.5	143	5	0940	76	VEGETATIVE
154	722-20E	53	2	3.0	143	5	0850	111	V.TALL
155	722-21E	51	2	2.0	132	5	1250	74	
156	722-22E	53	2	?	132	5	1000	78	INDET.
157	722-23E	51	2	3.0	132	5	1150	78	SL.LODGED
158	722-153E	47	1	2.0	102	4	0760	76	PROMISING
159	722-169E	50	1	2.5	102	4	0880	81	OK
160	724-07E	51	1	1.5	129	3	1290	73	PROMISING
161	EMGOPA 301	45	1	2.5	105	2	0780	67	SL.WEAK
162	TGx 725-01D	55	2	2.5	117	4	1140	65	SL.LODGED
163	725-011D	53	2	?	160	5	--	68	LATE
164	725-5E	51	1	2.5	105	4	0990	56	SL.SHORT
165	726-01E	46	1	2.5	102	2	0800	84	SL.WEAK
166	742-02D	91	1	?	160	4	0890	107	
167	742-2D	83	1	?	160	4	--	102	
168	742-3D	91	1	?	160	4	--	95	
169	757-05D	45	1	2.5	105	4	0910	74	
170	788-6E	54	1	2.0	117	5	1100	65	PROMISING
171	TROPICAL	58	1	2.5	132	2	1220	79	SL.LODGED
172	TGx 766-8D	50	1	3.0	105	4	0790	79	SL.WEAK
173	766-16D	58	2	2.5	143	5	1180	113	TALL, INDET
174	755-03E	56	3	2.5	112	4	0810	92	OK
175	780-2E	52	3	3.0	112	3	1180	89	WEAK
176	780-3E	47	4	3.0	117	4	0830	74	WEAK
177	789-2F	56	2	2.5	132	4	1170	88	OK
178	796-01D	57	1	-	130	5	0630	88	
179	802-182D	47	1	4.0	102	4	0700	54	SHORT
180	802-319D	51	2	2.5	117	2	1050	57	PROMISING
181	DOKO	51	1	2.5	122	3	1180	57	GOOD
182	TGx 803-28D	47	1	4.0	122	4	0780	43	SHORT
183	803-73D	42	2	3.5	98	4	0790	70	SPINDLY
184	803-81D	50	3	3.5	112	4	1190	80	WEAK
185	803-86D	50	1	3.5	95	3	0550	54	SHORT
186	813-3E	41	1	3.5	98	4	0520	60	SHORT
187	813-11D	41	1	4.0	98	5	0340	35	SHORT
188	813-12D	41	1	4.0	98	5	0530	35	SHORT
189	813-25D	41	1	4.0	98	5	0570	39	SHORT
190	813-38D	44	1	4.0	98	5	0650	40	SHORT
191	IAC 8	47	1	3.0	117	1	1100	72	SL.WEAK
192	TGx 814-15E	57	1	-	143	5	1240	78	LATE
193	814-26D	53	1	1.5	132	3	1420	67	PROMISING
194	814-36D	57	1	?	161	4	--	65	LATE



No.	Entry	Days Flow- ering	Lodg- ing	As- pect	Days har- vest	Foliar Reten- tion	Seed GR	Plant Ht.	Comments Aug.30
195	TGx 814-39D	57	1	?	143	5	1090	76	LATE
196	814-40D	61	1	?	161	4	--	79	LATE
197	814-42D	53	1	?	132	4	1380	67	PROMISING
198	814-49D	54	2	?	132	4	1250	67	OK
199	814-51D	58	1	?	161	5	--	79	LATE
200	814-53D	57	1	?	143	4	1170	72	LATE,OK
201	BOSSIER	38	1	4.0	98	5	0580	39	SHORT
202	TGx 814-54D	59	1	?	161	4	0570	72	LATE
203	814-77D	38	1	2.0	91	1	0700	73	PROMISING
204	814-129D	38	2	2.5	91	1	0530	60	PROMISING
205	814-148D	38	2	3.5	91	1	0670	56	BLK. SEED
206	816-3D	38	2	3.5	98	4	0580	49	SHORT
207	822-2E	41	3	3.0	102	4	0880	75	WEAK
208	824-34D	41	1	2.5	95	3	0730	56	PROMISING
209	824-42D	41	1	4.0	98	5	0420	43	SHORT
210	825-3E	41	1	3.5	98	5	0320	54	SHORT
211	EMGOPA 301	42	1	3.0	105	3	0970	49	SHORT
212	TGx 825-20E	44	1	3.5	98	4	0630	69	SL.WEAK
213	849-7D	42	1	3.0	102	4	0910	67	
214	849-8D	42	1	3.0	102	3	0820	59	
215	849-9D	42	1	2.5	102	4	0970	70	
216	849-225D	41	1	3.5	102	4	0840	73	WEAK
217	849-237D	43	1	3.0	105	3	1090	83	WEAK
218	849-247D	45	2	3.0	105	3	0940	76	
219	849-294D	45	1	3.0	98	2	1020	73	OK
220	849-309D	40	1	3.0	98	5	0700	54	SHORT
221	TROPICAL	60	2	?	132	2	1490	98	
222	TGx 849-312D	46	2	2.0	95	1	0750	64	PROMISING
223	849-315D	45	1	2.0	95	1	0800	68	PROMISING
224	854-2D	45	2	2.5	102	4	0910	65	BLACK
225	854-4D	46	1	2.5	102	4	0980	67	BLACK
226	854-6D	47	2	2.5	105	3	0930	70	OK
227	854-12D	40	1	2.0	98	4	0630	57	SHORT
228	854-14D	44	1	2.5	98	4	0870	65	
229	854-25D	46	1	2.5	98	4	0700	67	
230	854-80E	44	1	2.5	102	4	0770	73	OK
231	DOKO	50	1	1.5	126	2	1400	59	GOOD
232	TGx 854-81D	43	1	3.0	102	4	0650	60	
233	854-83D	44	1	3.0	98	4	0870	70	
234	854-86D	43	2	2.0	95	3	0820	75	OK
235	854-88D	45	1	2.0	91	1	0680	68	OK
236	854-94E	50	1	2.0	105	3	1000	71	PROMISING
237	854-98E	50	1	3.5	105	3	0850	74	LODGED
238	855-1E	45	1	3.0	98	4	0580	69	
239	855-3D	45	1	2.5	98	4	0750	79	
240	855-3E	47	1	3.0	98	4	0770	64	
241	IAC 8	50	1	2.0	117	1	1400	76	GOOD
242	TGx 855-10E	42	1	3.0	98	4	0850	64	
243	855-11E	42	1	3.0	98	4	0900	69	
244	855-14E	41	1	3.0	95	3	0750	66	



No.	Entry	Days Flow- ering	Lodg- ing	As- pect	Days har- vest	Foliar Reten- tion	Seed GR	Plant Ht.	Comments Aug.30
245	TGx 855-21E	44	1	3.0	98	4	0850	73	
246	855-22E	44	1	2.5	95	3	0770	72	
247	855-23D	40	1	3.5	98	4	0450	67	
248	855-23E	44	1	2.5	95	3	0770	74	
249	855-24D	42	1	2.5	98	4	0640	69	
250	855-25E	44	1	2.5	98	4	0970	73	
251	EMGOPA 301	44	1	2.5	102	1	0990	57	SL.WEAK
252	TGx 855-26E	44	1	2.5	98	3	0890	72	
253	855-29D	42	1	3.0	98	5	0550	55	POOR
254	855-32D	42	2	3.0	98	5	0540	69	POOR
255	855-37D	38	2	3.0	98	5	0470	60	POOR
256	855-38E	40	1	3.0	98	4	0870	66	
257	855-44E	44	1	3.0	98	4	0930	61	
258	855-46D	45	2	3.0	98	4	0870	67	
259	855-48D	42	1	3.5	98	5	0590	68	
260	855-50D	38	1	3.0	98	4	0710	66	POOR
261	IAC 8	50	2	2.0	117	1	1400	72	GOOD
262	TGX 855-54E	40	2	3.0	98	4	0730	45	SHORT
263	855-57D	40	1	3.0	95	3	0600	60	SL.SHORT
264	855-60D	41	2	3.0	95	3	0590	59	
265	855-64D	39	1	3.0	98	5	0460	61	POOR
266	859-13D	38	1	3.0	91	3	0620	67	
267	860-18E	47	1	2.5	98	4	0670	63	
268	860-19E	48	1	2.5	105	4	0930	61	
269	860-21E	47	1	2.5	102	4	0890	68	
270	860-22E	46	1	3.0	102	4	0750	67	
271	TROPICAL	60	1	?	132	1	1570	93	
272	TGX 863-86D	48	1	3.0	95	3	0520	52	SHORT
273	297-2D	45	1	2.5	96	4	0710	74	
274	573-175E	51	2	3.5	102	3	0600	76	LODGED
275	TGM 579	45	2	3.5	98	4	0770	68	LODGED
276	TGM 737P	45	5	5.0	91	4	0520	69	LODGED

Lodging (1-5): 1= no plants lodged; 5= all plants lodged.

Aspect (1-5): Overall rating where 1=excellent; 5=very poor.

Seed GR: Seed in grams from a one row plot of 5 meters with 60cm between rows.





APPENDIX, SECTION 8.

## 1ST TRIAL

## SEED DETERIORATION - INCUBATOR WEATHERING

DAYS IN INCUBATOR: 21/03 to 01/04

	EMERGENCE %
01. BOSSIER	04
02. GO 83-22782	03
03. D 64-4636	01
04. GO 81-8238	07
05. GO 81-11174	23
06. GO 81-8182 (?)	06
07. BR 80-6993	06
08. GO 81-8491	12
09. GO 81-8115	16
10. BR 80-14247	02
11. GO 81-12066	03
12. GO 81-11103	15
13. BR 80-6935	07
14. FT 79-2528	36
15. GO 81-11015	10



## 2ND TRIAL

## SEED DETERIORATION - INCUBATOR WEATHERING

DAYS IN INCUBATOR: 22/03 TO 02/04

EMERGENCE %

01.	TGX 252-5E	33
02.	TGX 316-2F	29
03.	TGX 854-60E	64
04.	TGX 854-77E	69
05.	TGX 888-44C	18
06.	BOSSIER	08
07.	GO 81-11087	24
08.	GO 81-11105	06
09.	GO 81-12066	08
10.	GO 81-8484	10
11.	GO 81-8181	10
12.	GO 81-11174	30

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## 3RD TRIAL

## SEED DETERIORATION - INCUBATOR WEATHERING

DAYS IN INCUBATOR: 25/03 TO 05/04

EMERGENCE %

01.	TGX 533-12D	05
02.	TGX 559-5D	38
03.	TGX 560-16E	18
04.	TGX 573-104C	66
05.	TGX 780-7F	04
06.	TGX 780-8F	08
07.	TGX 816-20D	22
08.	TGX 819-5E	36
09.	TGX 849-187D	12
10.	TGX 849-191D	21
11.	TGX 854-42D-1	62
12.	TGX 888-49C	28
13.	SANTA ROSA	01
14.	GO 81-8491	28
15.	BR 80-6935	03
16.	GO 81-11091	01
17.	GO 81-11087	20
18.	GO 81-10056	15
19.	GO 81-11091	05
20.	GO 81-8238	10
21.	GO 81-11031	14

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Evaluation of Resistance to Field Weathering\* of 18 Recommended Soybean Varieties, 1985.

VARIETY	MEAN SEEDLING EMERGENCE (%)
IAC - 6	43
DOKO	40
IAC - 2	40
SAVANA	35
EMGOPA 303	35
IAC - 7	34
SANTA ROSA	27
PARANAGOIANIA	27
NUMBAIRA	27
CRISTALINA	27
EMGOPA 302	26
PARANA	26
UFV - 1	21
EMGOPA 301	20
SUCUPIRA	17
TROPICAL	14
BOSSIER	09
IAC - 8	07

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Conducted by Dr. Alberto Costa, EMGOPA - Goiânia, Brazil

\*Emergence following incubator weathering - yellow pods stored for 7 days at 40% C and 95 to 100% RH.





