

*catalog  
of*  
**WHEAT  
GERMPLASM**



**Embrapa**



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## **CATALOG OF WHEAT GERMLASM**

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*Passo Fundo, RS, Brazil  
1997*



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## SUMMARY

<i>CATALOG OF WHEAT GERMPLASM</i> .....	7
<i>Introduction</i> .....	7
<i>Explanatory Notes</i> .....	9
<i>References</i> .....	12

## **FOREWORD**

*This publication has the purpose of gathering in one catalog information about 1,430 wheat germplasm accessions, a part of the genetic resources maintained at Embrapa Trigo and/or Embrapa Cenargen, involving mainly landraces and breeding lines or cultivars generated by the Brazilian wheat breeding programs. The value and usefulness of stored germplasm is greatly increased by information about its origin and genealogy, as it can be related to the specific environment and consequently to the selection pressures it received during its development.*

*The development of wheat cultivars suitable to most Brazilian wheat growing areas faces two major challenges characterized by the presence of the soil acidity complex (namely aluminum and manganese toxicities) and high moisture conditions, specially favorable to fungal diseases such as **Erysiphe**, **Puccinia**, **Ophiobolus**, **Septoria**, **Helminthosporium** and **Fusarium**.*

*Therefore, this catalog lists a large number of wheat germplasm having useful traits related to soil acidity, resistance to diseases, and adaptation to subtropical climate that may be of assistance, chiefly to scientists and students. It is another contribution of Embrapa towards a general effort of preserving genetic diversity.*

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## CATALOG OF WHEAT GERMPLASM

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### **Introduction**

*Information on genetic resources available in Brazil started to be systematically organized only after the Centro Nacional de Recursos Genéticos e Biotecnologia (CENARGEN) was founded in 1974 and the Banco Ativo de Germoplasma-BAG (germplasm bank) of the Centro Nacional de Pesquisa de Trigo-CNPT (National Wheat Research Center) was implemented in Passo Fundo, State of Rio Grande do Sul.*

*In the past, both locally bred and introduced germplasm used to be kept by interested researchers, according to work needs and available facilities.*

*Under such circumstances, most likely valuable genetic material was lost, and the varietal identity, in some instances, was not properly assured.*

*During its initial organization, the germplasm bank received full support from Brazilian wheat specialists, as well as from their institutions, in addition to a number of other cooperators. As a result, a collection representing different dates and different producing regions in the country was obtained.*

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*For this preliminary list, accessions of genotypes selected or created locally were chosen, as well as accessions of some introduced genotypes which were recommended for cultivation or were kept in trials for final evaluation.*

*Information regarding some assessed or known traits, when available, was also included, specially regarding lines and genotypes other than recommended varieties.*

*Any corrections and suggestions users may eventually have would be welcome.*

*An option for the English language was made in order to enlarge consultation possibilities at international level. As a consequence, accents and other graphical marks, which are practically nonexistent in English, were not used in the attached list.*

*Most of the accessions given have long-term preserved seeds at CENARGEN, in Brasília, in addition to the reserve preserved and kept for exchange purposes at the CNPT, in Passo Fundo.*

*All requests for seeds should be addressed directly to the National Wheat Research Center, in Passo Fundo, Rio Grande do Sul, or forwarded through CENARGEN, in Brasília.*

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## *Explanatory Notes*

1- Concerning the recommended cultivars, the abbreviations given after the year of release refer to the states that cultivar was recommended for cultivation in the same year of release or in subsequent years. The first state given often corresponds to the state that cultivar originated from, though there are a few exceptions.

The abbreviations used correspond to the following Brazilian states:

BA = Bahia

MS = Mato Grosso do Sul

DF = Distrito Federal

PR = Paraná

GO = Goiás

RS = Rio Grande do Sul

MG = Minas Gerais

SC = Santa Catarina

MT = Mato Grosso

SP = São Paulo

In relation to the lines, it is informed the name of the county where the breeding institution is (or was) located, followed by the abbreviated form of the state.

Counties with names formed by more than one word are presented in an abbreviated form as follows :

<i>A. do Tigre</i>	<i>corresponds to</i>	<i>Arroio do Tigre (RS)</i>
<i>C. Alta</i>	<i>-ditto-</i>	<i>Cruz Alta (RS)</i>
<i>C. Vivida</i>	<i>-ditto-</i>	<i>Coronel Vivida (PR)</i>
<i>Eld. do Sul</i>	<i>-ditto-</i>	<i>Eldorado do Sul (RS)</i>
<i>Enc. do Sul</i>	<i>-ditto</i>	<i>Encruzilhada do Sul (RS)</i>
<i>F. Westphalen</i>	<i>-ditto</i>	<i>Frederico Westphalen (RS)</i>



<i>J. de Castilhos</i>	-ditto-	<i>Júlio de Castilhos (RS)</i>
<i>P. Fundo</i>	-ditto-	<i>Passo Fundo (RS)</i>
<i>P. Grossa</i>	-ditto-	<i>Ponta Grossa (PR)</i>
<i>P. Serrada</i>	-ditto-	<i>Ponte Serrada (SC)</i>
<i>S. Borja</i>	-ditto-	<i>São Borja (RS)</i>
<i>S.D. do Sul</i>	-ditto-	<i>São Domingos do Sul (RS)</i>
<i>S. Lagoas</i>	-ditto-	<i>Sete Lagoas (MG)</i>
<i>T. de Maio</i>	-ditto-	<i>Três de Maio (RS)</i>

2 - The crosses are presented according to Purdy et al. (1968), in which crosses are designated by slash symbols (/, // or /2/, /3/, etc.), which indicate the successive crosses. Backcrosses are indicated by numerals at the "/" symbols and separated by an asterisk. Note that BH 1146/3/ALD SIB/BH 1146//BH 1146 became BH 1146\*3/ALD SIB.

3 - The crosses given in the catalog preferably indicate the full name of the cultivar. Notwithstanding, in order to simplify and facilitate relevant interpretation concerning the Brazilian cultivars identified by an abbreviation, a number, and the trade name, an option was made to present the abbreviation and number only. Some examples are:

<i>Full name of cultivar</i>	<i>Name given</i>
<i>IAC 5-MARINGA</i>	<i>IAC 5</i>
<i>IAPAR 1-MITACORE</i>	<i>IAPAR 1</i>
<i>CEP 14-TAPES</i>	<i>CEP 14</i>
<i>IAS 20-IASSUL</i>	<i>IAS 20</i>
<i>IAS-C 45-VILA VELHA</i>	<i>IAS 45</i>

4 - Regarding non-Brazilian genotypes, when the abbreviation is of an unknown meaning the initials used are given in the cross. In later issues, it may be informed in full.

Additionally, any lines that are later released as cultivars, in future, will have their names updated in subsequent issues, passing their names as lines to a synonym.

5 - The abbreviation HSSAL (Highsoluble Soil Aluminium) corresponds to the behavior in relation to toxic aluminum in the soil, assessed under field conditions, as follows:

R = resistant or tolerant; S = susceptible or non tolerant; MR = moderately resistant reaction; MS = moderately susceptible, according to Sousa, 1996.

6 - HMW GLUT corresponds to high molecular weight glutenin bands, according to the evaluation made by the SDS-PAGE test.

7 - Regarding those genotypes showing a double origin and/or doubt as to the actual representative type, a number of origin is provided in order to help the identification of the respective accession.

8 - The words INTRODUCED FROM, in relation to lines, are inserted only in those situations in which the introducing institution distinguished locally bred lines from the introduced ones, like in the examples below:

GD = introduced line	MS = local line - from Dourados (MS)
IOC = ditto-	OC = -ditto- - from Cascavel (PR)
IPF = -ditto-	PF = -ditto- - from Passo Fundo (RS)
IA = -ditto-	LD = -ditto- - from Londrina (PR)
CPAC (6 figures) = -ditto-	CPAC (less than 6 figures) - from Planaltina (DF)

9 - All selections for meiotic index were made at the CNPT, in Passo Fundo (P. Fundo), State of Rio Grande do Sul.

10 - In relation to the growth class (seasonality) the genotypes listed are considered as spring habit. The only exception known is the cultivar *Toropi* (BRA 021539), which is referred as intermediate.

## References

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- SOUSA, C.N.A. de. Reação de cultivares de trigo do cerrado à acidez do solo. In: SIMPÓSIO SOBRE O CERRADO, 8./ INTERNATIONAL SYMPOSIUM ON TROPICAL SAVANNAS, 1., 1996, Brasília, DF. **Biodiversidade e produção sustentável de alimentos e fibras nos cerrados: anais**. Planaltina: EMBRAPA-CPAC, 1996. p.346-349.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	170372	16-52-10		REDHEART/PG 1	BRA	LINE FROM P. GROSSA (PR).
	170399	16-52-17		REDHEART/PG 1	BRA	LINE FROM P. GROSSA (PR).
	080446	ACEGUA	B 7423	IAS 50/B 8	BRA	RELEASED IN 1980-RS.
	043320	ALEGRETE		UNKNOWN	BRA	NOT ACCORDING TO ORIGINAL DESCRIPTION. R TO HSSAL. HMW GLUT N 13+16 2+12/N 7+8 2+12.
	084255	ALONDRA 4546		D 6301/NAINARI 60//WEIQUE/RED MACE/3/CIANO*2/ CHRIS	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1980-PR,SP,MS,BA,DF. HMW GLUT N 17+18 5+10.
	191990	ALONDRA CITO 3489-77		D 6301/NAINARI 60//WEIQUE/RED MACE/3/CIANO*2/ CHRIS	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 96% HMW GLUT N 17+18 5+10.
	144070	AMIGO PRECOCE		GAUCHO//TASCOSA/63PC42-4/3/TEEWON(BC)/4/ TEEWON SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 7+8 2+12.
	192007	AMIGO PRECOCE CITO 7258-80		GAUCHO//TASCOSA/63PC42-4/3/TEEWON(BC)/4/ TEEWON SIB	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 97% HMW GLUT 1 7+8 2+12.
	045659	ANAHUAC 75		II 12300//LERMA ROJO 65/8156/3/NORTENO 67	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1981-PR,MS,SP,MG,GO,MT,BA,DF.
	192015	ANAHUAC 75 CITO 4471-78		II 12300//LERMA ROJO 64/8156/3/NORTENO 67	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 93%
	192023	ANZA CITO 3642-78		LERMA ROJO//NORIN 10/BREVOR/4/YAKTANA 54//NORIN 10/BREVOR/3/3XANDES	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 92%
	100595	ARDITO			BRA	LANDRACE FROM SOUTHERN BRAZIL.
	022551	ARDITO BRANCO	VBDZA 10521		BRA	LANDRACE FROM IPUMIRIM (SC).
	100609	ARDITO BRANCO (DR.BEEK)			BRA	LANDRACE FROM SOUTHERN BRAZIL.
	144096	ARDITO BRANCO (NE 42915)			BRA	LANDRACE FROM CASCA (RS).
	192031	ARDITO BRANCO (NE 63079)			BRA	LANDRACE FROM CHAPECO (SC).
	144100	ARGENTINO	VBDZA 10519		BRA	LANDRACE FROM IPUMIRIM (SC).
	043401	B 15		KLEIN COLON/IAS 20	BRA	RELEASED IN 1974-RS.
	043419	B 20		KLEIN PUNTAL/IAS 20	BRA	RELEASED IN 1974-RS.
	033260	B 4		NEWPETI//COLOTANA 1838-51	BRA	RELEASED IN 1966-RS.
	001341	B 7410		COTIPORA/B 4	BRA	ADVANCED LINE FROM BAGE (RS).
	057258	B 7455		B 4/B 9	BRA	ADVANCED LINE FROM BAGE (RS).
	101168	B 7502		IAS 50/E 11	BRA	ADVANCED LINE FROM BAGE (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	057410	B 7506		IAS 50/SABIA	BRA	ADVANCED LINE FROM BAGE (RS).
	101206	B 7517		B 20//SONORA 64/KLEIN RENDIDOR	BRA	ADVANCED LINE FROM BAGE (RS).
	192058	B 7903		B 26/CNT 6	BRA	ADVANCED LINE FROM BAGE (RS).
	192066	B 8005		B 26/PEL 11847-65	BRA	ADVANCED LINE FROM BAGE (RS).
	192074	B 8006		B 1748-70/C 15	BRA	ADVANCED LINE FROM BAGE (RS).
	192082	B 8015		E 391-72/IAS 58	BRA	LINE FROM BAGE (RS). HMW GLUT N 13+16 2+12.
	192091	B 8111		B 20/PF 6968	BRA	LINE FROM BAGE (RS). HMW GLUT 2* 13+16 5+10.
	178826	B 8116		CINQUENTENARIO/HULHA NEGRA	BRA	ADVANCED LINE FROM BAGE (RS).
	192104	B 8318		CNT 10/IAS 59	BRA	LINE FROM BAGE (RS). HMW GLUT 2* 7+8 2+12.
	144134	BAGE		SURPRESA/CENTENARIO//LA ESTANZUELA 2787 C	BRA	RELEASED IN 1949-RS,SP.
	000451	BANDEIRANTES		UNKNOWN	BRA	NOT ACCORDING TO ORIGINAL DESCRIPTION. HMW GLUT N 7+8 2+12.
	144169	BATATINHA	VBDZA 10520		BRA	LANDRACE FROM IPUMIRIM (SC).
	167673	BDZA 377			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167690	BDZA 380			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167681	BDZA 385			BRA	COLLECTED IN SOUTHERN BRAZIL.
	192112	BDZA 404			BRA	COLLECTED IN SOUTHERN BRAZIL.
	192121	BDZA 406			BRA	COLLECTED IN SOUTHERN BRAZIL. HMW GLUT N 7+8 2+12.
	192139	BDZA 407			BRA	COLLECTED IN SOUTHERN BRAZIL. HMW GLUT N 7+8 2+12.
	167703	BDZA 408			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167711	BDZA 409			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167720	BDZA 411			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167738	BDZA 412			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167746	BDZA 413			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167754	BDZA 421			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167762	BDZA 475			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167789	BDZA 507			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167797	BDZA 513			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167801	BDZA 529			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167819	BDZA 543			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167827	BDZA 547			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167835	BDZA 552			BRA	COLLECTED IN SOUTHERN BRAZIL.
	167843	BDZA 581			BRA	COLLECTED IN SOUTHERN BRAZIL.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	167860	BDZA 593			BRA	COLLECTED IN DESCANSO (SC)-1987.
	167878	BDZA 594			BRA	COLLECTED IN SC-1987.
	167886	BDZA 595			BRA	COLLECTED IN SC-1987.
	167894	BDZA 596			BRA	COLLECTED IN SC-1987.
	167908	BDZA 597			BRA	COLLECTED IN SC-1987.
	167916	BDZA 598			BRA	COLLECTED IN SC-1987.
	167924	BDZA 599			BRA	COLLECTED IN SC-1987.
	167932	BDZA 600			BRA	COLLECTED IN SC-1987.
	167941	BDZA 602			BRA	COLLECTED IN SC-1987.
	167959	BDZA 603			BRA	COLLECTED IN DESCANSO (SC)-1987.
	167967	BDZA 604			BRA	COLLECTED IN SC-1987.
	167975	BDZA 605			BRA	COLLECTED IN SC-1987.
	167983	BDZA 606			BRA	COLLECTED IN SC-1987.
	167842	BDZA 607			BRA	COLLECTED IN SC-1987.
	167991	BDZA 608			BRA	COLLECTED IN SC-1987.
	168009	BDZA 609			BRA	COLLECTED IN SC-1987.
	168017	BDZA 645			BRA	COLLECTED IN SC-1987.
	032913	BECKMAN		UNKNOWN	BRA	WHITE GLUME, RED GRAIN. HMW GLUT N 7+8 2+12.
	011037	BH 1146		PG 1//FRONTEIRA/MENTANA	BRA	RELEASED IN 1955- PR, SP, MS, MG, GO, MT, DF. RESISTANT TO HSSAL. HMW GLUT 1 17+18 5+10 /N 13+16 2+12.
	192147	BH 1146 CITO 5254-79		PG 1//FRONTEIRA/MENTANA	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 100% HMW GLUT N 7+8 2+12.
	101630	BH 13-44		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	034622	BH 1344		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	032956	BH 248		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	053261	BH 3-10-11		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	101648	BH 32-42		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	034819	BH 3242		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	101702	BH 3-4041		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	101656	BH 3-482		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	101664	BH 35-41		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	101672	BH 3-742		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	022730	BH 3742		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	101699	BH 3-842		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	000523	BH 38-42		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	022721	BH 447		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	101605	BH 4-77		NO INFORMATION AVAILABLE	BRA	LINE FROM MG.
	101621	BH 5-46		FRONTEIRA/MENTANA//PG1	BRA	RELEASED IN 1957-MG. HMW GLUT N 7+8 2+12.
	043354	BRANCO LIGEIRO			BRA	LANDRACE FROM RS. HMW GLUT N 7+8 2+12/1 7+8 2+12.
	028622	BUCK MANANTIAL		RAFAELA MAG/BUCK QUEQUEN	ARG	INTRODUCED FROM ARG. RECOMMENDED IN 1972-RS.
	141631	BUTUI	SB 75129	BLUEBIRD/PATO//SONORA 64/KLEIN RENDIDOR	BRA	RELEASED IN 1983-RS,SC.
	029513	C 25		IAS 20/ARGENTINA	BRA	ADVANCED LINE FROM VERANOPOLIS (RS).
	032964	C 29		COTIPORA/R.T.STOLH	BRA	ADVANCED LINE FROM VERANOPOLIS (RS).
	029521	C 33		VERANOPOLIS/IAS 45	BRA	RELEASED IN 1973-RS.
	043559	C 48	C 2439-66	IAS 46/TAICHUNG 2	BRA	ADVANCED LINE FROM VERANOPOLIS (RS).
	005045	C 7401		IAS 20/IAS 20//TDB	BRA	ADVANCED LINE FROM VERANOPOLIS (RS).
	102385	C 7403		NOVA PRATA/SEBERI	BRA	LINE FROM VERANOPOLIS (RS).
	170470	C 7807		MENGAVI/LAGOA VERMELHA//MARINGA	BRA	LINE FROM VERANOPOLIS (RS).
	170496	C 7809		MENGAVI*2/LAGOA VERMELHA	BRA	LINE FROM VERANOPOLIS (RS).
	192155	C 7812		C 33/FLORIDA LIMA	BRA	ADVANCED LINE FROM VERANOPOLIS (RS). HMW GLUT N 7+8 2+12.
	080217	C 7918		B 20/C 25	BRA	ADVANCED LINE FROM VERANOPOLIS (RS).
	141674	C 8410		TEZANOS PINTO PRECOZ/PF 70100	BRA	LINE FROM VERANOPOLIS (RS).
	102423	CACADOR 2		UNKNOWN	BRA	LINE FROM CACADOR (SC). MS TO HSSAL. HMW GLUT 1 14+15 2+12.
	011096	CAMACRANIA	LINHA 15	UNKNOWN	BRA	RELEASED IN 1956-RS. R TO HSSAL. HMW GLUT N 17+18 2+12.
	141640	CANDEIAS	E 75168	CARDENAL//SONORA 64/KLEIN RENDIDOR	BRA	INTROD FROM ARG. RELEASED IN 1982-PR,MG,GO,DF.
	057274	CANDIOTA	MR 74044	PF 11-1000-62/SUPER X	BRA	RELEASED IN 1980-RS.
	035408	CARAZINHO	V 1596	COLONISTA/FRONTANA	BRA	RELEASED IN 1957-RS.

BRA ACC Nº	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
102687	CASQUINHA			BRA	LANDRACE FROM R. SALES (RS). S TO HSSAL. HMW GLUT 2* 7+8 2+12.
192163	CEBOLINHA (NE 40967)			BRA	LANDRACE FROM ERECHIM (RS).
168882	CEBOLINHA (NE 57055)			BRA	LANDRACE FROM GAURAMA (RS).
102768	CENTANA		UNKNOWN	BRA	LINE FROM RS. HMW GLUT N 7+8 2+12.
145190	CENTANA 994-43 <sup>A</sup>		UNKNOWN	BRA	LINE FROM RS. HMW GLUT N 7+8 2+12.
145203	CENTANA 994-43B		UNKNOWN	BRA	LINE FROM RS. HMW GLUT N 7+8 2+12.
102784	CENTEIRA		CENTENARIO/FRONTEIRA	BRA	RELEASED IN 1943-RS. HMW GLUT N 13+16 2+12.
102806	CENTEIRA 384-38(DIV 1119)		CENTENARIO/FRONTEIRA	BRA	SEED SOURCE-DIV 1119 FROM ARG. HMW GLUT N 13+16 2+12.
192171	CENTEIRA-V		UNKNOWN	BRA	DERIVED FROM CENTEIRA (BRA 102784). HMW GLUT N 13+16 2+12.
000965	CENTEIROZ 44-45		CENTEIRA/LITORAL PRECOZ	BRA	SEED SOURCE-DIV 4239 FROM ARG.
102822	CENTELHA		CENTENARIO/FRONTEIRA	BRA	LINE FROM RS. MS TO HSSAL. HMW GLUT 2* 7+8 2+12.
192180	CENTENARIO SEL		UNKNOWN	BRA	SUPPOSEDLY SEL FROM URUGUAYAN CULTIVAR CENTENARIO. HMW GLUT N 7+8 2+12.
102831	CENTESTE 2023-46		CENTEIRA/ESTEANA 2381.42	BRA	LINE FROM RS.
000957	CENTIDOR 2118-46B		UNKNOWN	BRA	DERIVED FROM CENTIDOR 2118-46 (BRA 009957). HMW GLUT N 7+8 2+12/1 7+8 2+12.
192201	CENTIDOR 2118-46V		UNKNOWN	BRA	DERIVED FROM CENTIDOR 2118-46 (BRA 009957). HMW GLUT 1 7+8 2+12.
141704	CEP 11	CEP 7778	PF 6968*2/HADDEN	BRA	RELEASED IN 1984-RS,SC.
141712	CEP 13-GUAIBA	CEP 7951	PAT 19/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	RELEASED IN 1985-PR. HMW GLUT N 17+18 5+10.
141721	CEP 14-TAPES	CEP 79101	PEL 72380/ARTHUR 71	BRA	RELEASED IN 1985-RS,SC,PR.
141763	CEP 17-ITAPUA	CEP 82128	PEL 72380/ARTHUR 71//CEP 70336/3/ALONDRA SIB/ PF 72707//PAT 19	BRA	RELEASED IN 1987-RS,SC,PR.



BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	141771	CEP 19-JATAI	CEP 82151	PEL 72380/ARTHUR 71//CEP 70336/3/ALONDRA SIB/ PF 72707//PAT 19	BRA	RELEASED IN 1988-RS.
	141828	CEP 21-CAMPOS	CEP 83117	PEL 72380/ARTHUR 71//CEP 75336/3/ALONDRA SIB/ PF 72707//PAT 19	BRA	RELEASED IN 1989-RS,SC.
	192210	CEP 27-MISSOES	CEP 8878	CEP 8057/BUTUI/CEP 8324	BRA	RELEASED IN 1995-RS,SC.
	102911	CEP 74170		AMAZONAS SIB/J 14710-69	BRA	ADVANCED LINE FROM C. ALTA (RS).
	102920	CEP 74177		PATO BLANCO/C 371-67	BRA	ADVANCED LINE FROM C. ALTA (RS).
	057461	CEP 7429		AMAZONAS SIB/J 14710-69	BRA	ADVANCED LINE FROM C. ALTA (RS).
	102938	CEP 75133		IAC 5/ND 81	BRA	LINE FROM C. ALTA (RS). HMW GLUT 2* 13+16 5+10.
	102954	CEP 75155		AMAZONAS SIB/J 14710-69	BRA	ADVANCED LINE FROM C. ALTA (RS).
	057878	CEP 75203		PATO BLANCO/C 371-67	BRA	ADVANCED LINE FROM C. ALTA (RS).
	102971	CEP 75235		PLATIFEN/CIANO SIB//S 67	BRA	ADVANCED LINE FROM C. ALTA (RS).
	035041	CEP 75408		AMAZONAS SIB/J 14710-69	BRA	ADVANCED LINE FROM C. ALTA (RS).
	103012	CEP 75506		GABOTO/PF 6948	BRA	ADVANCED LINE FROM C. ALTA (RS).
	103021	CEP 75521		PAT 3/PAT 14	BRA	ADVANCED LINE FROM C. ALTA (RS).
	035751	CEP 7593		IAS 51/IAS 20//ND 81/3/CORRECAMINOS	BRA	ADVANCED LINE FROM C. ALTA (RS).
	057851	CEP 7596		S 55//TEZANOS PINTO PRECOZ/SONORA 64	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192226	CEP 7614		S 71/S 473.A3.A2	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192236	CEP 76147		S 71/S 473.A3.A2	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192244	CEP 76186		NEWTURK/S 53/4/CHEG 285/3/GABOTO/3/RL PET/ RAFAELA//SONORA 64	BRA	ADVANCED LINE FROM C. ALTA (RS).
	103071	CEP 7635		S 57/B 20	BRA	ADVANCED LINE FROM C. ALTA (RS).
	080195	CEP 7657		IAS 57/CI 294562	BRA	ADVANCED LINE FROM C. ALTA (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	103128	CEP 7672		PLATIFEN/CIANO SIB//GIRUA/PURPLESTRAW	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192252	CEP 7775		PEL 72380/ARTHUR 71	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192261	CEP 7779		PF 6968*2/HADDEN	BRA	ADVANCED LINE FROM C. ALTA (RS).
	156604	CEP 7780		PF 6968*2/HADDEN	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192279	CEP 7820		CORRECAMINOS/PF 69193	BRA	ADVANCED LINE FROM C. ALTA (RS).
	158470	CEP 7890		PF 69126/UNKNOWN//IAS 55	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192267	CEP 7932		IAS 54//CIANO/SIETE CERROS/3/CINQUETENARIO/4/ CNT 10	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192295	CEP 7948		MAYO 54/3/NORIN 10/YAQUI 50//R.LINE/4/CAPPELLE DESPREZ/5/CAJEME F 71 SIB/ 6/PAT 49	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192309	CEP 7952		PAT 19//ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192317	CEP 7955		PAT 24//ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192325	CEP 7981		PEL 11896-65/ARTHUR 71	BRA	ADVANCED LINE FROM C. ALTA (RS).
	145149	CEP 80111		IAS 58//IAS 55//ALONDRA SIB/3/IAC 5/4//ALONDRA SIB//IAS 58//ALONDRA SIB	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192333	CEP 80131		JACUI//ALDAN SIB	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192341	CEP 80153		PAT 24//ALONDRA SIB//PAT 7388	BRA	ADVANCED LINE FROM C. ALTA (RS).
	145157	CEP 80165		PAT 72160//ALONDRA SIB	BRA	ADVANCED LINE FROM C. ALTA (RS).
	192350	CEP 8056		BR 1//ALONDRA SIB//PAT 72160//ALONDRA SIB	BRA	ADVANCED LINE FROM C. ALTA (RS).
	141739	CEP 8236		CEP 75203//COXILHA/3//PEL 72380//ARTHUR 71//PAT 24//ALONDRA SIB	BRA	ADVANCED LINE FROM C. ALTA (RS).
	141747	CEP 8282		KAVKAZ//ANDES ENANO/MAYO 64/3//PF 7035/4//PAT 7392	BRA	ADVANCED LINE FROM C. ALTA (RS).
	141755	CEP 8283		NB//CEP 7956//PEL 72380//ARTHUR 71	BRA	ADVANCED LINE FROM C. ALTA (RS).
	141810	CEP 83116		PEL 72380//ARTHUR 71//CEP 75336/3//ALONDRA SIB/ PF 72707//PAT 19	BRA	ADVANCED LINE FROM C. ALTA (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	141836	CEP 83141		PF 7339/3/IAS 63/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	ADVANCED LINE FROM C. ALTA (RS).
	141798	CEP 8386		OASIS/IAS 61	BRA	ADVANCED LINE FROM C. ALTA (RS).
	141861	CEP 8415		CEP 7668/CEP 11	BRA	ADVANCED LINE FROM C. ALTA (RS).
	141895	CEP 8435		OASIS/IAS 61	BRA	ADVANCED LINE FROM C. ALTA (RS).
	141844	CEP 845		TRIGO BR 3/CEP 7887//CEP 7775/CEP 11	BRA	ADVANCED LINE FROM C. ALTA (RS).
	057452	CHARRUA	CEP 745	SA 3423/IAS 57	BRA	RELEASED IN 1980-RS,SC,PR. HMW GLUT N 7+8 2+12 /2* 7+8 5+10.
	004995	CIANO 67		PITIC/CHRIS SIB//SONORA 64	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1976-PR
	103543	CINCANA	CI 012810	MENTANA/M 5	BRA	RELEASED IN 1942-RS.
	103535	CINCANA (DIV 4973)		MENTANA/M5	BRA	SEED SOURCE-DIV 4973 FROM ARG.
	011134	CINQUENTENARIO	C 15	TRINTECINCO//EGYPT NA 101/TIMSTEIN	BRA	RELEASED IN 1969-RS. HMW GLUT N 7+8 2+12.
	148172	CINQUENTENARIO-T		UNKNOWN	BRA	DERIVED FROM CINQUENTENARIO (BRA 011134). HMW GLUT N 7+8 2+12.
	018210	CNT 1	PF 70225	PF 11.1000-62/BH 1146	BRA	RELEASED IN 1975-RS,SC,PR. R TO HSSAL.
	023710	CNT 10	PEL 72018	IAS 46/IAS 49//IAS 46/TOKAI 66	BRA	RELEASED IN 1977-RS,SC.
	016225	CNT 2	PEL 14049-68	IAS 16/NORIN 26	BRA	RELEASED IN 1975-RS,SC.
	034843	CNT 3	PF 70194	IAS 20/IAS 46	BRA	RELEASED IN 1975-RS,SC.
	015903	CNT 4	PEL 13014-65	LERMA ROJO 50/3/IAS 31//IAS 20/RELIANCE	BRA	RELEASED IN 1976-PR.
	017612	CNT 5	PF 6946	IAS 46/BH 546	BRA	RELEASED IN 1976-PR.
	017833	CNT 6	PF 69162	IAS 20/IAS 50	BRA	RELEASED IN 1976-RS.
	008729	CNT 7	PF 70546	IAS 51//IAS 20/ND 81	BRA	RELEASED IN 1976-RS,SC,PR,MS,MG.
	192368	CNT 7 CITO 1376-76		IAS 51//IAS 20/ND 81	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 98 %
	016349	CNT 8	PEL-SL 1268-69	IAS 20/ND 81	BRA	RELEASED IN 1976-RS,SC,PR,SP.
	192376	CNT 8 CITO 2512-76		IAS 20/ND 81	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 99%
	009865	CNT 9	PEL 72016	IAS 46/IAS 49//IAS 46/TOKAI 66	BRA	RELEASED IN 1977-RS,SC,PR.

BRA ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
045675	COCORAQUE 75		II 12300//LERMA ROJO 64/8156/3/ NORTENO 67	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1981-PR,MS.
035424	COLONCOL		COLONISTA/COLONIAS	BRA	CULTIVAR FROM RS. R TO HSSAL. HMW GLUT N 13+16 2+12.
103683	COLONCOL 55		UNKNOWN	BRA	LINE FROM RS. R TO HSSAL. HMW GLUT N 13+16 2+12 /N 7+8 2+12.
000990	COLONIAS		TRINTECINCO/SL 242-30	BRA	RELEASED IN 1949-RS. R TO HSSAL. HMW GLUT N 13+16 2+12.
058653	COLONISTA	ROXO 144	UNKNOWN	BRA	CULTIVAR FROM RS. LATE TALL TYPE, GLUME COLOR PURPLE/BLACK. HMW GLUT N 13+16 2+12/N 7+8 2+12.
145335	COLONISTA-E		UNKNOWN	BRA	DERIVED FROM COLONISTA (BRA 058653). LINE WITH RED GLUMES. HMW GLUT N 13+16 2+12.
145343	COLONISTA-P		UNKNOWN	BRA	DERIVED FROM COLONISTA (BRA 058653). LINE WITH PURPLE/BLACK GLUMES. HMW GLUT N 13+16 2
103705	COLOTANA	CI 013556	COLONISTA/FRONTANA	BRA	CULTIVAR FROM RS. HMW GLUT N 7+8 2+12.
001058	COLOTANA 1075-50		COLONISTA/FRONTANA	BRA	LINE FROM RS. HMW GLUT N 7+8 2+12.
103748	COLOTANA 1742-51(DIV 8198)		COLONISTA/FRONTANA	BRA	LINE FROM RS. SEED SOURCE-DIV 8198 FROM ARG. HMW GLUT N 7+8 2+12.
029491	COLOTANA 1838-51		COLONISTA/FRONTANA	BRA	LINE FROM RS.
103713	COLOTANA 262-51(DIV 8196)		COLONISTA/FRONTANA	BRA	LINE FROM RS. SEED SOURCE-DIV 8196 FROM ARG. HMW GLUT N 7+8 2+12.
058670	COLOTANA 266-51(DIV 8197)		COLONISTA/FRONTANA	BRA	LINE FROM RS. SEED SOURCE DIV- 8197 FROM ARG. HMW GLUT N 7+8 2+12.
035432	COLOTANA 296-52		COLONISTA/FRONTANA	BRA	LINE FROM RS.
001015	COMBATE		TRINTECINCO/GUARANY	BRA	RELEASED IN 1949-RS. HMW GLUT N 13+16 2+12. REF TO 109480/78. R TO HSSAL.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	057312	CONFIANCA	MR 72212	NAINARI 60 SEL	BRA	RELEASED IN 1977- PR,SP,MS,MG,GO,DF.
	011053	COTIPORA	C 3	VERANOPOLIS*2/EGYPT NA 101	BRA	RELEASED IN 1965-RS,SC,PR,SP.
	103811	COTRIMAIO 4-78	PELADINHO		BRA	LANDRACE FROM T. DE MAIO (RS).
	103845	COTRIROSA (TUCUNDUVA 77)	TUCUNDUVA 77		BRA	LANDRACE FROM TUCUNDUVA (RS).
	103829	COTRIROSA 3-78	PELADINHO		BRA	LANDRACE FROM STA. ROSA (RS).
	103837	COTRIROSA 5-78			BRA	LANDRACE FROM STA. ROSA (RS).
	021563	COXILHA	S 46	GIRUA/PURPLESTRAW	BRA	RELEASED IN 1975-RS.
	192384	COXILHA CITO 5719-79		GIRUA/PURPLESTRAW	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 99%
	192392	CPAC 8144		JUPATECO/4/SIETE CERROS/PATO BLANCO/3/LERMA ROJO 64//INIA//INIA//BLUEBIRD/5/ANAHUAC	BRA	ADVANCED LINE FROM PLANALTINA (DF).
	192406	CPAC 8145		JUPATECO 73/4/SIETE CERROS/PATO BLANCO/3/ LERMA ROJO 64//INIA//BLUEBIRD/5/ANAHUAC	BRA	ADVANCED LINE FROM PLANALTINA (DF).
	192414	CPAC 8149		BLUEJAY SIB/JUPATECO F 73	BRA	ADVANCED LINE FROM PLANALTINA (DF).
	178004	CPAC 8217		PF 70338/NYU BAY	BRA	ADVANCED LINE FROM PLANALTINA (DF).
	192422	CPAC 8261		ALONDRA/PF 70338	BRA	ADVANCED LINE FROM PLANALTINA (DF).
	192431	CPAC 8306		ALONDRA/IAC 5 //CNT 9	BRA	ADVANCED LINE FROM PLANALTINA (DF).
	192449	CPAC 831011		KAVKAZ/K 4500 L.A. Y	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	192457	CPAC 831027		BUCK/MAIA SIB/4/BUEBIRD//HD 832-5-5/ OLESEN/3/ CLARENDON/PENJAMO 62	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	192465	CPAC 831031		MS 10-92/3/CORRECAMINOS//INIA/CALIDAD	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	192473	CPAC 831033		F3-71/TORIM 73	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	192481	CPAC 831034		F3-71/TORIM 73	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	139360	CPAC 831035		F3-71/TORIM 73	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	192503	CPAC 8031164		CALIDAD/NH//H 576-71	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	178021	CPAC 831192		IAS 64/ALDAN SIB	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	192511	CPAC 831229		DOUGGA/BLUEJAY SIB	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	192520	CPAC 831230		KAVKAZ/TORIM 73//POTAM S70/ANAHUAC, LIRA SIB	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	192538	CPAC 831251		KAVKAZ/BUHO-SIB//KALYANSONA/BLUEBIRD, VEERY 5	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	192546	CPAC 831252		MONCHO SIB/ALONDRA	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	192554	CPAC 8384		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PLANALTINA (DF).
	178012	CPAC 8393		PF 70338/NYU BAY	BRA	ADVANCED LINE FROM PLANALTINA (DF).
	150002	CPAC 841128		TEZANOS PINTO PRECOZ*2//ANDES 64//INIA 66/3// CLARENDON/(KEA SIB)JARAL//KAVKAZ	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	178039	CPAC 841172		MONCHO SIB/ALONDRA SIB	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	178047	CPAC 841218		MAYA 74/NACUZARI 76	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	150118	CPAC 851002		DOUGGA/BLUEJAY SIB (TIRANT SIB)	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	150096	CPAC 851006		CIANO SIB/GALLO/BONANZA	MEX	INTRODUCED ADVANCED LINE FROM PLANALTINA (DF).
	178055	CPAC 8597		PEL 73380/ARTHUR 71//ALDAN SIB	BRA	ADVANCED LINE FROM PLANALTINA (DF).
	192562	CPAC 86140		PAT 10/ALONDRA SIB//VEERY 5	BRA	ADVANCED LINE FROM PLANALTINA (DF).
	192571	CPAC 8717		ALONDRA 4546/IMURIS SIB	BRA	ADVANCED LINE FROM PLANALTINA (DF).
	043524	CRUZEIRO			BRA	LANDRACE FROM SOUTHERN BRAZIL.
	145416	CRUZEIRO-P		UNKNOWN	BRA	DERIVED FROM CRUZEIRO (BRA 043524).
	167541	DEBULHADOR			BRA	LANDRACE FROM SOUTHERN BRAZIL.
	145424	DEBULHADOR (FURBO)	VBDZA 10518		BRA	LANDRACE FROM IPUMIRIM (SC).
	192589	DEBULHADOR (NE 55125)			BRA	LANDRACE FROM ARATIBA (RS).
	167550	DESCONHECIDO CANELA			BRA	LANDRACE FROM RS.
	192597	DESCONHECIDO PIRATUBA			BRA	LANDRACE FROM PIRATUBA (SC).
	192601	DESCONHECIDO PONTE SERRADA			BRA	LANDRACE FROM P. SERRADA (SC).

BRA	ACC Nº	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	167568	DESCONHECIDO SÃO PEDRO DO SUL			BRA	LANDRACE FROM S. P. DO SUL (RS).
	104817	DIV 4212		CENTELHA/FRONTANA	BRA	SEED SOURCE-ARG.
	011151	DOM FELICIANO	E 28	TRINTANI//TIMSTEIN/NEWTATCH	BRA	RELEASED IN 1971-RS.
	011215	DOM MARCO	E 36	UNKNOWN	BRA	NOT ACCORDING TO ORIGINAL DESCRIPTION. HMW GLUT N 7+8 2+12.
	192619	DOM MARCO-E		UNKNOWN	BRA	DERIVED FROM DOM MARCO (BRA 011215). LINE WITH RED GLUMES.
	002062	E 7406		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM ENC. DO SUL (RS).
	002097	E 7414		IAS 20//IAS 20//INIA 66	BRA	ADVANCED LINE FROM ENC. DO SUL (RS).
	057100	E 7434		IAS 20//INIA 66	BRA	ADVANCED LINE FROM ENC. DO SUL (RS).
	105155	EERC 2		NO INFORMATION AVAILABLE	BRA	LINE FROM CACADOR (SC).
	058335	EL PATO		TEZANOS PINTO PRECOZ//SONORA 64A//NARINO 59	ARG	INTRODUCED FROM ARG. RECOMMENDED IN 1980-PR.
	178063	EMBRAPA 10-GUAJA	MS 21169-85	CNT 8*3//SONORA 64	BRA	RELEASED IN 1992-MS. S TO HSSAL.
	149527	EMBRAPA 15	PF 85137	CNT 10//TRIGO BR 5//PF 75172//SEL TIFTON 72-59	BRA	RELEASED IN 1992-RS. R TO HSSAL.
	139301	EMBRAPA 16	PF 86238	HULHA NEGRA/CNT 7//AMIGO/CNT 7	BRA	RELEASED IN 1992-RS,SC,PR. R TO HSSAL.
	192627	EMBRAPA 21	CPAC 86133	PAT 10//ALONDRA SIB//VEERY 5	BRA	RELEASED IN 1992-DF,GO,MG. MR TO HSSAL.
	192635	EMBRAPA 22	CPAC 841153	VEERY SIB/3//KLEIN TOLEDO SIB/PAT 19//MOCHIS/JUPATECO	BRA	RELEASED IN 1992-DF,GO,MG. MS TO HSSAL.
	173037	EMBRAPA 24	PF 87128	TIFTON 72-59 SEL/PF 79763/3//NOBEOKA BOZU/3*LONDRINA//B 7908	BRA	RELEASED IN 1993-RS. R TO HSSAL.
	159921	EMBRAPA 27	PF 869107	PF 83743/5//PF 83182/4//CNT 10*//LAGOA VERMELHA *5//AGATHA/3//LONDRINA*4//AGENT//LONDRINA*3//NYU BAY	BRA	RELEASED IN 1994-PR. MR TO HSSAL.
	160555	EMBRAPA 40	PF 84316	PF 7650//NS 18-78//CNT 8//PF 7577	BRA	RELEASED IN 1995-RS. MR TO HSSAL.
	192643	EMBRAPA 41	CPAC 88118	PF 813//POLO 1	BRA	RELEASED IN 1994-DF,GO,MG. MR TO HSSAL.
	192651	EMBRAPA 42	CPAC 88130	LAP 689//MS 7936	BRA	RELEASED IN 1994-DF,GO. MS TO HSSAL.
	192660	EMBRAPA 49	PF 90120	TRIGO BR 35//PF 83619//PF 858//PF 8550	BRA	RELEASED IN 1996-RS.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	177890	EMBRAPA 52	PF 86242	HULHA NEGRA/CNT 7//AMIGO/CNT 7	BRA	RELEASED IN 1996-RS.
	011550	ENCRUZILHADA	E 45	FORTALEZA/KENYA FARMER	BRA	RELEASED IN 1970-RS.
	192678	ENCRUZILHADA CITO 3838-77		FORTALEZA/KENYA FARMER	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 99%
	029823	ERECHIM	S 18	COLOTANA 296-52/YAQUI 53	BRA	RELEASED IN 1968-RS.
	192686	ERECHIM CITO 5716-79		COLOTANA 296-52/YAQUI 53	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 96%
	105309	FARRAPO		UNKNOWN	BRA	CULTIVAR FROM RS. EARLY, NOT TALL TYPE - NOT ACCORDING TO DESCRIPTION. MR TO HSSAL . HMW GLUT N 13+16 2+12.
	000612	FARRAPO(CENARGEN)		ALFREDO CHAVES 6-21/III AC 2	BRA	CULTIVAR FROM RS.
	192694	FIO DE OURO			BRA	LADRACE FROM SOUTHERN BRAZIL.
	029866	FLOREANA		FLORENCE/MENTANA	BRA	CULTIVAR FROM RS.
	053490	FLOREANA 1018		NO INFORMATION AVAILABLE	BRA	LINE FROM RS.
	145629	FLORENCE-B		UNKNOWN	BRA	DERIVED FROM FLORENCE (BRA 029912).
	168157	FLORESTAL-B		UNKNOWN	BRA	DERIVED FROM FLORESTAL .
	168165	FLORESTAL-V		UNKNOWN	BRA	DERIVED FROM FLORESTAL.
	145777	FLORESTANA		FLORESTA/MENTANA	BRA	CULTIVAR FROM RS. HMW GLUT N 7+9 2+12.
	145637	FLORESTANA-B		UNKNOWN	BRA	DERIVED FROM FLORESTANA (BRA 145777).
	145645	FLORESTANA-V		UNKNOWN	BRA	DERIVED FROM FLORESTANA (BRA 145777).
	161624	FORTALEZA		COLONISTA/FRONTANA	BRA	RELEASED IN 1957-RS. HMW GLUT N 7+8 2+12.
	172243	FREDERICO WESTEPHALEM 8-77			BRA	LANDRACE FROM F. WESTPHALEN (RS).
	000621	FROCOR		FRONTANA/C.O.C.R (LA ESTANZUELA)	BRA	CULTIVAR FROM RS. REF TO NE 28763. HMW GLUT 1 7+9 2+12.
	192724	FROCOR (10030)		FRONTANA/C.O.C.R (LA ESTANZUELA)	BRA	CULTIVAR FROM RS. HMW GLUT N 7+8 2+12.
	192732	FROCOR-E		UNKNOWN	BRA	DERIVED FROM FROCOR (BRA 000621). HMW GLUT 2* 7+8 2+12.
	145670	FROCOR-P		UNKNOWN	BRA	DERIVED FROM FROCOR (BRA 000621). HMW GLUT N 7+8 2+12.



BRA ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
148369	FRONDOSO		POLYSSU/ALFREDO CHAVES 6-21	BRA	CULTIVAR FROM RS. HMW GLUT N 7+8 2+12.
148377	FRONDOSO (DIV 5503)		POLYSSU/ALFREDO CHAVES 6-21	BRA	SEED SOURCE-DIV 5503 FROM ARG. HMW GLUT N 7+8 2+12.
145700	FRONDOSO-P		UNKNOWN	BRA	DERIVED FROM FRONDOSO (BRA 148369).
032735	FRONTANA		FRONTEIRA/MENTANA	BRA	RELEASED IN 1943- RS,SC,PR,SP,MG.GO. MS TO HSSAL. HMW GLUT N 7+8 2+12.
147800	FRONTANA 23.33.42		UNKNOWN	BRA	LINE FROM RS. HMW GLUT 2* 7+9 5+10.
032760	FRONTANA BRAWLEY 17527		FRONTANA/BRAWLEY 17527	USA	INTROD FROM USA. RECOMMENDED IN 1957-SP,PR.
152951	FRONTEIRA		POLYSSU/ALFREDO CHAVES 6-21	BRA	RELEASED IN 1932 RS,SC,PR. REF TO 51/BC75. RED GLUMES, ACCORDING TO DESCRIPTION. HMW GLUT N 13+16 2+12.
192759	FRONTEIRA CITO 4501-78		UNKNOWN	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 96% WHITE GLUMES, NOT ACCORDING TO DESCRIPTION. HMW GLUT N 13+16 2+12.
192767	FRONTEIRA CITO 4502-78		UNKNOWN	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 97% WHITE GLUMES, NOT ACCORDING TO DESCRIPTION. HMW GLUT N 7+9 2+12.
192775	FRONTEIRA/CENTENARIO		FRONTEIRA/CENTENARIO	BRA	EARLY TALL TYPE. R TO HSSAL. HMW GLUT N 13+16 2+12.
172251	FUNGARETO			BRA	LANDRACE FROM CAPINZAL (SC).
145831	FURBETO			BRA	LANDRACE FROM SOUTHERN BRAZIL.
192783	FURBO (NE 49551)			BRA	LANDRACE FROM P. SERRADA (SC).
167576	FURBO (NE 55127)			BRA	LANDRACE FROM DESCANSO (SC).
167584	FURBO (NE 55128)			BRA	LANDRACE FROM DESCANSO (SC).
167592	FURBO (NE 55129)			BRA	LANDRACE FROM MONDAI (SC).
167606	FURBO (NE 55230)			BRA	LANDRACE FROM MONDAI (SC).
167614	FURBO (NE 55231)			BRA	LANDRACE FROM MONDAI (SC).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	001112	GARIBALDI VERMELHO			BRA	LANDRACE FROM SOUTHERN BRAZIL.
	080357	GD 791		HORTO//CALIDAD/LAGOA VERMELHA	BRA	LINE FROM DOURADOS (MS).
	160296	GD 82167		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM DOURADOS (MS).
	145963	GD 83124		PARAGUAY 214*5/WRT 2385	BRA	LINE FROM DOURADOS (MS).
	152960	GD 8338		BH 1146*6/ALONDRA SIB	BRA	LINE FROM DOURADOS (MS).
	172685	GD 8366		LONDRINA*4/PARANA PRECOZ INTA//TIFTON	BRA	LINE FROM DOURADOS (MS).
	160326	GD 8382		SUPER X*2/AGENT	BRA	ADVANCED LINE FROM DOURADOS (MS).
	160334	GD 8383		SUPER X*2/AGENT	BRA	ADVANCED LINE FROM DOURADOS (MS).
	192791	GD 8826		CNT 8*3/SONORA 64//PF 772003	BRA	LINE FROM DOURADOS (MS).
	147818	GENERAL VARGAS		UNKNOWN	BRA	CULTIVAR FROM RS (SUPPOSEDLY INTRODUCED FROM ARG). HMW GLUT N 7+8 2+12. MS TO HSSAL.
	148423	GENERAL VARGAS-A		UNKNOWN	BRA	DERIVED FROM GENERAL VARGAS (BRA 147818).
	145980	GINCANA			BRA	LANDRACE FROM RS.
	145998	GIRUA	S 3	WILLET/COLONIAS	BRA	RELEASED IN 1966-RS,SC.
	146030	GLORIA	MR 7272	TEZANOS PINTO CRIOLLO*3/SELKIRK	BRA	RELEASED IN 1977-RS.
	146099	H 23-10-1		NO INFORMATION AVAILABLE	BRA	LINE FROM SOUTHERN BRAZIL.
	146111	H 23-23-4		NO INFORMATION AVAILABLE	BRA	LINE FROM SOUTHERN BRAZIL.
	145129	H 23-55-2		NO INFORMATION AVAILABLE	BRA	LINE FROM SOUTHERN BRAZIL.
	146137	H 23-58-4		NO INFORMATION AVAILABLE	BRA	LINE FROM SOUTHERN BRAZIL.
	146161	H 40-23-20		NO INFORMATION AVAILABLE	BRA	LINE FROM SOUTHERN BRAZIL.
	032841	H 40-33-18		NO INFORMATION AVAILABLE	BRA	LINE FROM SOUTHERN BRAZIL.
	000345	H 40-33-35		NO INFORMATION AVAILABLE	BRA	LINE FROM SOUTHERN BRAZIL.
	032867	H 40-35-102		NO INFORMATION AVAILABLE	BRA	LINE FROM SOUTHERN BRAZIL.
	000361	H 40-35-76		NO INFORMATION AVAILABLE	BRA	LINE FROM SOUTHERN BRAZIL.
	032883	H 40-46-23		NO INFORMATION AVAILABLE	BRA	LINE FROM SOUTHERN BRAZIL.
	132543	H 44-19-1		NO INFORMATION AVAILABLE	BRA	LINE FROM SOUTHERN BRAZIL.
	192813	HADDEN CITO 2883-76		NO INFORMATION AVAILABLE	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 100%
	192821	HADDEN CITO 3720-77		NO INFORMATION AVAILABLE	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 96%
	015229	HERVAL	MR 74560	SUPER X/PF 11-1001-62	BRA	RELEASED IN 1978-RS.

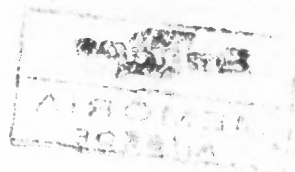
BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	030082	HORTO		FRONTEIRA/MENTANA//PG 1	BRA	RELEASED IN 1955-PR, MG. HMW GLUT N 7+9 2+12. MR TO HSSAL.
	056715 192830	HULHA NEGRA IA 28	B 7416	TOROPI/MAGNIF MG//KLEIN IMPACTO NO INFORMATION AVAILABLE	BRA BRA	RELEASED IN 1977-RS. ADVANCED LINE FROM LONDRINA (PR).
	146293	IA 781		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM LONDRINA (PR).
	080292	IA 784		NO INFORMATION AVAILABLE	BRA	LINE FROM LONDRINA (PR).
	146331	IA 7875		PAMIR SIB	BRA	LINE FROM LONDRINA (PR).
	146340	IA 791		BH 1146/LA 1434//IAC 5	BRA	LINE FROM LONDRINA (PR).
	132861	IA 7920		CHAT SIB	BRA	LINE FROM LONDRINA (PR).
	141984	IA 822		KAVKAZ/BUHO SIB//KALYANSONA/ 5, SERI 82	BRA	ADVANCED LINE FROM LONDRINA (PR). HMW GLUT 1 7+9 5+10.
	159298	IA 837		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM LONDRINA (PR).
	174017	IA 8448		METAL TAIL SIB	BRA	ADVANCED LINE FROM LONDRINA (PR).
	032891	IAC 1-CACIQUE		FRONTANA/KENYA 58	BRA	RELEASED IN 1965-SP, PR.
	192864	IAC 10		FRONTANA/DESCONHECIDO//PG 1	BRA	LINE FROM SP.
	192872	IAC 11		FRONTANA/DESCONHECIDO//PG 1	BRA	LINE FROM SP.
	192881	IAC 120-CURUMI		IRN 33-70/IAC 5	BRA	RELEASED IN 1992-SP.
	045527	IAC 13-LORENA		CIANO 67/IAS 51	BRA	RELEASED IN 1977-SP, MS.
	095338	IAC 15		BAGIO/S 33	BRA	LINE FROM SP.
	174068	IAC 160-JURUA		IRN 393-70/IAS 20	BRA	RELEASED IN 1987-PR.
	174076	IAC 161-TAIAMA		KAVKAZ//GAVILAN/TITO SIB	BRA	RELEASED IN 1986-SP.
	168718	IAC 162-TUIUIU		KAVKAZ//CIANO 67/PENJAMO 62, HOOPOE SIB	BRA	RELEASED IN 1986-SP.
	045535	IAC 17-MARACAI		IAS 20/IRN 526-63	BRA	RELEASED IN 1979-SP, PR.
	045543	IAC 18-XAVANTES		BH 1146*4/S 12	BRA	RELEASED IN 1979-SP, MS, MG.
	095940	IAC 19		BH 1146*2/FRONTANA BRAWLEY	BRA	LINE FROM SP.
	146471	IAC 23-TOCANTINS		PEL-A 393-65/IAC 5	BRA	RELEASED IN 1983-SP.
	080411	IAC 24-TUCURUI		IAS 51/IRN 597-70	BRA	RELEASED IN 1982-SP, MG, MS.
	176915	IAC 25-PEDRINHAS		IRN 331-73/IAC 5	BRA	RELEASED IN 1987-SP.
	192899	IAC 286-TAKAOKA		IAC 5/IRN 559-75	BRA	RELEASED IN 1992-SP.
	174092	IAC 287-YACO		HIM/COCORAQUE 75//NACUZARI 76, YACO SIB	BRA	RELEASED IN 1990-SP.
	192902	IAC 289-SERI		KAVKAZ/BUHO SIB//KALYAN/BLUEBIRD, SERI 82	BRA	RELEASED IN 1992-SP.
	005614	IAC 2-KIBEIRO		BAGE//TIMSTEIN/KENIA 58	BRA	RELEASED IN 1966-SP.
	148946	IAC 2-KIBEIRO (CENARGEN)		BAGE//TIMSTEIN/KENYA 58	BRA	RELEASED IN 1966-SP.
	095958	IAC 20		BH 1146*2/IRN 471-63	BRA	LINE FROM SP.
	080314	IAC 21-IGUACU		SIETE CERROS/LAGOA VERMELHA	BRA	RELEASED IN 1982-SP, DF, GO, MG.

BRA ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
174084	IAC 227-ANHUMAS		CNT 9/BH 1146	BRA	RELEASED IN 1990-SP.
146455	IAC 22-ARAGUAIA		PEL 21414-66/IAC 5	BRA	RELEASED IN 1983-SP
161616	IAC 3-ANHANGUERA		FRONTANA/KENYA 58//HEANA	BRA	RELEASED IN 1966-SP.
146552	IAC 37		PEL 4178-67/S 12	BRA	ADVANCED LINE FROM SP.
007145	IAC 4-SAO PAULO		INSTIT /GIG INGLES//CORONATION/PUSA 12	BRA	RELEASED IN 1966-SP.
146625	IAC 44		IRN 618-65/IAS 49	BRA	ADVANCED LINE FROM SP.
146650	IAC 47		IAS 51/IRN 597-70	BRA	ADVANCED LINE FROM SP.
146421	IAC 5-MARINGA		FRONTANA/KENIA 58//PG 1	BRA	RELEASED IN 1966- SP,RS,SC,PR,MS,MG,GO,MT,DF,BA
192929	IAC 5-MARINGA CITO 3591-77		FRONTANA/KENYA 58//PG 1	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 98%
147877	IAC 5-MARINGA-C		FRONTANA/KENYA 58//PG 1	BRA	LINE WITH WHITE GLUMES SEL FROM IAC 5-MARINGA.
146421	IAC 5-MARINGA-E		FRONTANA/KENYA 58//PG 1	BRA	LINE WITH RED GLUMES SEL FROM IAC 5-MARINGA.
176923	IAC 60-CENTENARIO	IAC 60	IRN 33-70/IAC 5	BRA	RELEASED IN 1987-SP.
146447	IAC 6-BRASIL		FRONTANA/KENYA 58//PG 1	BRA	RELEASED 1968-SP.
192937	IAC 69		IRN 641-70/BH 1146	BRA	ADVANCED LINE FROM SP.
174041	IAC 72-TAPAJOS		TOBARI 66/IAC 5	BRA	RELEASED IN 1987-SP.
174050	IAC 74-GUAPORE		SONORA 63*2/LAGOA VERMELHA	BRA	RELEASED 1985-SP.
192945	IAC 7-BARTIRA		FRONTANA/KENIA 58//PG 1	BRA	RELEASED IN 1968-SP.
192953	IAC 8-PARAGUAÇU		KENYA 155//HEANA//GIG INGLES/KHAPLI/3/SALIOIO	BRA	CULTIVAR FROM SP.
192961	IAC 83		IAS 51/IRN 597-70	BRA	ADVANCED LINE FROM SP.
192970	IAC 85		BAGIO 67/SONORA 64	BRA	ADVANCED LINE FROM SP.
192988	IAC 89		IRN 310-70/BH 1146	BRA	ADVANCED LINE FROM SP.
192996	IAC 9		FRONTANA/DESCONHECIDA//PONTA GROSSA 1	BRA	LINE FROM SP.
193003	IAC 90		IAN 641-70/BH 1146	BRA	ADVANCED LINE FROM SP.
193011	IAO 1		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
193020	IAO 10		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
193038	IAO 115		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
193046	IAO 12		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
193054	IAO 14		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
193062	IAO 15		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
193071	IAO 16		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
193089	IAO 19		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
146749	IAO 2		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
193097	IAO 20 (CENARGEN)		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
193101	IAO 21		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
193119	IAO 24 (CENARGEN)		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	193127	IAO 25		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
	193135	IAO 27		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
	193143	IAO 3		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
	193151	IAO 34		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
	193160	IAO 5		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
	146757	IAO 7		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
	147893	IAO 8		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
	193178	IAO 9		NO INFORMATION AVAILABLE	BRA	LINE FROM S. LAGOAS (MG).
	142000	IAPAR 17-CAETE	IA 7998	JUPATECO F 73/BLUEJAY SIB	BRA	RELEASED IN 1986-PR,SP,MS.
	193186	IAPAR 18-MARUMBI	PG 8116	PF 72640/PF 7326//PF 7065/ALONDRA SIB	BRA	RELEASED IN 1986-PR.
	146307	IAPAR 1-MITACORE	IA 783	IAS 50/JARAL	BRA	RELEASED IN 1980-PR.
	080586	IAPAR 21-TAQUARI	IA 78112	KAVKAZ//CIANO 67/PENJAMO 62, HOPOE SIB	BRA	RELEASED IN 1987-PR.
	174106	IAPAR 22-GUARAUNA	PG 8215	CNT 8/ALONDRA 4546	BRA	RELEASED IN 1987-PR.
	167118	IAPAR 28-IGAPO	IA 7959	KAVKAZ/BUHO SIB//KALYAN/BLUEBIRD, VEERY 3, GENARO F 81	BRA	RELEASED IN 1988-PR,MS.
	159310	IAPAR 29-CACATU	IA 832	BLUEJAY SIB/JUPATECO F 73, OPATA 85	BRA	RELEASED IN 1988-PR,MS.
	193194	IAPAR 30-PIRATA	LD 8249	ALONDRA SIB//CNT 7/PF 70354/3/PAT 24//BLUEBIRD/ KALYANSONA	BRA	RELEASED IN 1988-PR.
	166944	IAPAR 32-GUARATA	PG 836	ALDAN SIB/IAS 58	BRA	RELEASED IN 1988-PR.
	166952	IAPAR 33-GUARAPUAVA	PG 83107	ALONDRA SIB/TIFTON	BRA	RELEASED IN 1989-PR.
	174114	IAPAR 34-GUARAJI	PG 8452	ALONDRA SIB/PAT 7219	BRA	RELEASED IN 1989-PR.
	146323	IAPAR 3-ARACATU	IA 787	UNKNOWN	BRA	RELEASED IN 1981-PR,MS.
	193208	IAPAR 40-MIRIM	LD 8552	IRN 327-73/IAC 5	BRA	RELEASED IN 1990-PR.
	193216	IAPAR 41-TAMACORE	PG 852	TIFTON/MASCARENHAS//KAVKAZ/HD 2009	BRA	RELEASED IN 1990-PR.
	193224	IAPAR 42-IBIARA	PG 866	CEP 7779//MR SIB/COCORAQUE 75	BRA	RELEASED IN 1990-PR.
	169307	IAPAR 46	PG 86136	MASCARENHAS/ALONDRA SIB//IAC 5	BRA	RELEASED IN 1991-PR.
	193241	IAPAR 53	LD 8730	SULINO/IA 7929	BRA	RELEASED IN 1992-PR.
	083364	IAPAR 6-TAPEJARA	LD 7835	UNKNOWN	BRA	RELEASED IN 1982-PR,MS.
	193267	IAPAR 60	LD 8740	BLUE JAY SIB/JUPATECO F 73//TANAGER SIB	BRA	RELEASED IN 1993-PR.
	193275	IAS 10		NO INFORMATION AVAILABLE	BRA	LINE FROM PELOTAS (RS).
	193283	IAS 11		NO INFORMATION AVAILABLE	BRA	LINE FROM PELOTAS (RS).
	193291	IAS 12		NO INFORMATION AVAILABLE	BRA	LINE FROM PELOTAS (RS).
	030198	IAS 13-PASSO FUNDO		FRONTANA/KENYA 58	BRA	RELEASED IN 1959-RS. HMW GLUT N 13+16 2+12.
	080403	IAS 14-CONTESTADO	4743-50	RIO NEGRO 2*/RED EGYPTIAN	BRA	RELEASED IN SC.
	178071	IAS 15-CAMPEIRO	22709-55	PATRIARCA//FRONTANA/KENYA 58	BRA	RELEASED IN 1963-RS,PR.
	001082	IAS 16-CRUZ ALTA	22706-55	PATRIARCA//FRONTANA/KENYA 58	BRA	RELEASED IN 1963-RS,PR.
	193305	IAS 2		NO INFORMATION AVAILABLE	BRA	LINE FROM PELOTAS (RS).
	007315	IAS 20-IASSUL	PEL 3780-56	COLONIAS//FRONTANA/KENYA 58	BRA	RELEASED IN 1963-RS,SC,PR,SP.

BRA	ACC Nº	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	193313	IAS 20-IASSUL CITO 3649-77		COLONIAS//FRONTANA/KENYA 58	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 98%
	146889	IAS 22-TIBAJI	22711-55	PATRIARCA//FRONTANA/KENYA 58	BRA	RELEASED IN 1963-PR.
	032280	IAS 27-ITAPEVA	22822-55	FRONTANA*2/KENYA 58	BRA	RELEASED IN 1963-SP.
	193321	IAS 28 CITO 3633-77		FRONTANA*2/KENYA 58	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 100%
	032298	IAS 28-IJUI		FRONTANA*2/KENYA 58	BRA	RELEASED IN 1963-RS,SC,SP.
	193348	IAS 30-SAO SEPE	22801-55	SINVALOCHO//KENYA 58/FRONTANA	BRA	RELEASED IN 1963-RS.
	193356	IAS 32-SUDESTE	3777-56	COLONIAS//RIO NEGRO/RED EGYPTIAN	BRA	RELEASED IN 1963-RS.
	146901	IAS 34-XAPECO	17181-55	PATRIARCA//KENYA 58/FRONTANA	BRA	RELEASED IN 1963-SC.
	146960	IAS 36-JARAU	4013-56	FRONTEIRA/KENYA 58//FRONTANA	BRA	RELEASED IN 1965-RS.
	193330	IAS 3-SAO BORJA	4209-50	FRONTANA/KENYA 58	BRA	RELEASED IN 1957-RS.
	007137	IAS 49-PIONEIRO	PEL-A 284-61	UNKNOWN	BRA	RELEASED IN 1967-PR. HMW GLUT N 7+9 2+12.
	007323	IAS 50-ALVORADA	PEL 10997-61	COMBATE/3/YAQUI 48//EGYPT 101/TIMSTEIN	BRA	RELEASED IN 1967-RS,SC,PR.
	147095	IAS 51-ALBATROZ	PEL 11162-61	UNKNOWN	BRA	RELEASED IN 1967-RS,SC,PR,SP.
	011703	IAS 52	PEL-A 54-63	IAS 15//MAYO 54/NORIN 10 B28-1C	BRA	RELEASED IN 1969-RS,SC,PR.
	015709	IAS 53	PEL 2210-63	IAS 16/3/YAKTANA 54//NORIN 10/BREVOR 21-1C	BRA	RELEASED IN 1970-RS,SC,PR.
	156647	IAS 54	PEL-A 506-54	IAS 16/4/NORIN 10 B17/YAQUI 53//YAQUI 50/3/ KENTANA 54B	BRA	RELEASED IN 1970-RS,PR,SP,MS,MG,GO,DF.
	147257	IAS 54 SEL 20		IAS 16/4/NORIN 10 B17/YAQUI 53//YAQUI 50/3/ KENTANA 54B	BRA	LINE FROM P. FUNDO (RS).
	193364	IAS 54 SEL 21 CITO 1429-76		IAS 16/4/NORIN 10 B17/YAQUI 53//YAQUI 50/3/ KENTANA 54B	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 98%
	193372	IAS 54 SEL 39 CITO 2372-76		IAS 16/4/NORIN 10 B17/YAQUI 53//YAQUI 50/3/ KENTANA 54B	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 98%
	028851	IAS 55	PEL-A 506-62	UNKNOWN	BRA	RELEASED IN 1971-RS,PR,SP,MS,MG,GO,DF.
	193381	IAS 55 CITO 2053-76		UNKNOWN	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 100%
	147371	IAS 55 SEL		UNKNOWN	BRA	LINE FROM P. FUNDO (RS).
	015741	IAS 56	PEL-A 683-64	UNKNOWN	BRA	RELEASED IN 1971-RS,SC.
	011711	IAS 57	PEL 13295-65	IAS 20/IAS 46	BRA	RELEASED IN 1972-RS,SC,PR,SP.
	015954	IAS 58	PEL 21424-66	COTIPORA/IAS 46	BRA	RELEASED IN 1972-RS,SC,PR.
	011720	IAS 59	PEL 13180-65	IAS 31/NORIN 36	BRA	RELEASED IN 1972-RS,SC,PR.
	015938	IAS 60	PEL 13494-65	IAS 20/IAS 46	BRA	RELEASED IN 1972-RS,SC.
	011738	IAS 61	RC 249	IAS 51//IAS 20/ND 81	BRA	RELEASED IN 1973-RS,SC,PR.
	011746	IAS 62	PEL 13507-65	IAS 20/IAS 46	BRA	RELEASED IN 1973-RS,SC,PR.
	147401	IAS 63	PEL 13738-68	PEL 19906-62/PEL 18102-62	BRA	RELEASED IN 1974-RS.
	147958	IAS 64	PF 69173	PEL 11319-61//IAS 20/ND 81	BRA	RELEASED IN 1974-RS,SC.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	193399	IAS 8-PIRATINI		FRONTANA 2*/RED EGYPTIAN	BRA	RELEASED IN 1957-RS.
	147052	IAS-C 45-VILA VELHA-T		UNKNOWN	BRA	DERIVED FROM IAS-C 45-VILA VELHA.
	147915	IAS-C 46-CURITIBA	368-13	TRINTECINCO/KLEIN 157//FRONTEIRA/ TIMSTEIN	BRA	RELEASED IN 1963-RS,PR.
	147061	IAS-C 47-FLORESTAL	368-2	NO INFORMATION AVAILABLE	BRA	RELEASED IN 1965-PR.
	147087	IAS-C 48-GUARAPUAVA	368-8	NO INFORMATION AVAILABLE	BRA	RELEASED IN 1965-PR.
	046973	INIA 66		LERMA ROJO 64/SONORA 64	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1976-PR,MS.
	193411	IOC 831		NO INFORMATION AVAILABLE	MEX	INTRODUCED ADVANCED LINE FROM CASCAVEL (PR).
	193429	IOC 833		NO INFORMATION AVAILABLE	MEX	INTRODUCED ADVANCED LINE FROM CASCAVEL (PR).
	193437	IOC 835		NO INFORMATION AVAILABLE	MEX	INTRODUCED ADVANCED LINE FROM CASCAVEL (PR).
	193445	IOC 881		ALONDRA SIB/2*BH 1146	MEX	INTRODUCED ADVANCED LINE FROM CASCAVEL (PR).
	193453	IOC 885		IAS 58/4/KALYANSONA/BLUEBIRDB//CAJEME 71 SIB/3/ALONDRA SIB	MEX	INTRODUCED ADVANCED LINE FROM CASCAVEL (PR).
	193461	IOC 891		BOBWHITE SIB/VEERY SIB	MEX	INTRODUCED ADVANCED LINE FROM CASCAVEL (PR).
	193470	IOC 904		IAS 58/IAS 55//ALONDRA SIB/3/IAC 5/4/ALONDRA SIB/IAS 58.103A//ALONDRA SIB/5/BUCKBUCK SIB	MEX	INTRODUCED ADVANCED LINE FROM CASCAVEL (PR).
	142018	IPF 40382		PEL 73380/ARTHUR/4/TEZANOS PINTO PRECOZ//IRN 46/CIANO 67/3/PROTOR	ZMB	INTRODUCED FROM ZAMBIA.
	142034	IPF 40475		TAI//KALYAN/ALONDRA SIB	ZMB	INTRODUCED FROM ZAMBIA.
	159328	IPF 43550		IAS 20*6/H.567-71	MEX	INTRODUCED FROM MEX..
	159344	IPF 48080		BOBWHITE SIB/VEERY SIB	MEX	INTRODUCED FROM MEX.
	045551	ITAPUA 5		SONORA 64/KLEIN RENDIDOR	PRY	INTRODUCED FROM PRY. RECOMMENDED IN 1979-MS,PR.
	170534	J 9205-67		CARAZINHO/KENYA FARMER	BRA	LINE FROM J. DE CASTILHOS (RS).
	152676	JACUI	S 63	S 8/TOROPI	BRA	RELEASED IN 1973-RS,SC,PR.
	160342	JANDAIA	OC 73124	UNKNOWN	BRA	RELEASED IN 1981-PR.
	193488	JESUITA		POLYSSU/ALFREDO CHAVES 3-21	BRA	LATE TALL TYPE, ACCORDING TO DESCRIPTION.
	193496	JESUITA-P		UNKNOWN	BRA	EARLY TYPE, NOT ACCORDING TO DESCRIPTION. R TO HSSAL.
	047015	JUPATECO 73		II 12300//LERMA ROJO 64/8156/3/NORTENO 67	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1978-PR,MS,SP,MG.



BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	193500	KLEIN ATLAS CITO 2841-76		KLEIN LUCERO/KLEIN 157//KLEIN RENDIDOR	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 90%
	197378	LA 1549	IRN 231-63	UNKNOWN		INTRODUCED FROM (NO INFORMATION AVAILABLE). RECOMMENDED IN 1978-PR.
	168424	LAGEADINHO (10043)			BRA	LANDRACE FROM SOUTHERN BRAZIL.
	193518	LAGEADINHO (NE 45354)			BRA	LANDRACE FROM SOUTHERN BRAZIL. MS TO HSSAL.
	174122	LAGEADINHO (NE 60839)			BRA	LANDRACE FROM PALMITINHO (SC).
	174131	LAGEADINHO (NE 60840)			BRA	LANDRACE FROM PALMITINHO (SC).
	156710	LAGEADINHO 1			BRA	LANDRACE FROM T. PORTELA (RS).
	193526	LAGEADINHO 2			BRA	LANDRACE FROM T. PORTELA (RS).
	007587	LAGOA VERMELHA	C 17	VERANOPOLIS*2//MARROQUI/NEWTATCH	BRA	RELEASED IN 1969-RS,SC,PR.
	193534	LANCEIRO		UNKNOWN	BRA	HMW GLUT 1 2+12 17+18/2* 5+10 17+18.
	193542	LAP 836 A		NO INFORMATION AVAILABLE	BRA	CNPT/AGB SELECTION, P. FUNDO (RS). HMW GLUT 1 17+18 2+12 /2* 17+18 5+10.
	193551	LAVOURA			BRA	LANDRACE FROM C. VIVIDA (PR).
	193569	LD 7812		NO INFORMATION AVAILABLE	BRA	LINE FROM LONDRINA (PR). HMW GLUT 2* 7+8 5+10.
	193577	LD 789		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM LONDRINA (PR).
	193585	LD 8075		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM LONDRINA (PR).
	193593	LD 8740		BLUEJAY SIB//JUPATECO F 73//TANAGER SIB	BRA	ADVANCED LINE FROM LONDRINA (PR).
	005011	LONDRINA	PEL 14410-64	IAS 16/4/NORIN 10 B17/YAQUI 53//YAQUI 50/3/ KENTANA 54B	BRA	RELEASED IN 1972-PR,DF,GO,MG,MS,SP.
	193607	LONDRINA CITO 2510-76		IAS 16/4/NORIN 10 B17/YAQUI 53//YAQUI 50/3/ KENTANA 54B	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 98%
	193615	LONDRINA CITO 2540-77		IAS 16/4/NORIN 10 B17/YAQUI 53//YAQUI 50/3/ KENTANA 54B	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 100%
	167622	MANTEIGUINHA (NE 55120)			BRA	LANDRACE FROM IBIRAMA (SC).
	167631	MANTEIGUINHA (NE 55121)			BRA	LANDRACE FROM IBIRAMA (SC).





BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	193623	MARCOS JUAREZ CITO 1710-76		SONORA 64/KLEIN RENDIDOR	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 95%
	057266	MASCARENHAS	B 7408	B-4/TOROPI	BRA	RELEASED IN 1977-RS,SC,PR.
	080772	MG 1	PF 79641	IAS 64/ALDAN SIB	BRA	RELEASED IN 1986-MG.
	193631	MILAGRE		UNKNWON	BRA	NO INFORMATION AVAILABLE.
	193640	MINUANO		POLYSSU/ALFREDO CHAVES 6-21	BRA	RELEASED IN 1931-R. R TO HSSAL. HMW GLUT N 13+16 2+12.
	193658	MINUANO (DIV 6363)	DIV 6363	POLYSSU/ALFREDO CHAVES 6-21	BRA	SEED SOURCE DIV-6363 FROM ARG.
	103152	MINUANO 82	CEP 76148	S 71/S 473 A3 A2	BRA	RELEASED IN 1982-RS,SC,PR.
	000787	MISSOES		POLYSSU/ALFREDO CHAVES 6	BRA	RELEASED IN 1931-RS.
	153231	MOCHINHO			BRA	LANDRACE FROM SOUTHERN BRAZIL.
	080616	MONCHO BSB		WREN/GABOTO//KALYAN/BLUEBIRD	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1978-DF,GO,BA.
	193666	MONTES CLAROS			BRA	LANDRACE FROM MG. MR TO HSSAL. HMW GLUT N 13+16 2+12.
	095877	MR 74042		SUPER X/PF 11-1001-62	BRA	ADVANCED LINE FROM HERVAL (RS).
	097713	MR 74507		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM HERVAL (RS).
	162787	MR 74510		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM HERVAL (RS).
	193674	MR 74569		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM HERVAL (RS).
	162949	MR 74618		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM HERVAL (RS).
	162990	MR 7801		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM HERVAL (RS).
	153478	MR 7802		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM HERVAL (RS).
	163007	MR 7803		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM HERVAL (RS).
	174181	MS 1349-85		NO INFORMATION AVAILABLE	BRA	INTRODUCED ADVANCED LINE FROM DOURADOS (MS).
	174190	MS 1434-85		NO INFORMATION AVAILABLE	BRA	INTRODUCED ADVANCED LINE FROM DOURADOS (MS).

BRA ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
174203	MS 21281-85		NO INFORMATION AVAILABLE	BRA	INTRODUCED ADVANCED LINE FROM DOURADOS (MS).
178128	MS 31-87		NO INFORMATION AVAILABLE	BRA	INTRODUCED ADVANCED LINE FROM DOURADOS (MS).
174173	MS 451-84		NO INFORMATION AVAILABLE	BRA	INTRODUCED ADVANCED LINE FROM DOURADOS (MS).
174149	MS 557-84		NO INFORMATION AVAILABLE	BRA	INTRODUCED ADVANCED LINE FROM DOURADOS (MS).
174157	MS 60-84		NO INFORMATION AVAILABLE	BRA	INTRODUCED ADVANCED LINE FROM DOURADOS (MS).
160351	MS 815		NO INFORMATION AVAILABLE	BRA	INTRODUCED ADVANCED LINE FROM DOURADOS (MS).
160369	MS 8211		NO INFORMATION AVAILABLE	BRA	INTRODUCED ADVANCED LINE FROM DOURADOS (MS).
178101	MS 9710-86		NO INFORMATION AVAILABLE	BRA	INTRODUCED ADVANCED LINE FROM DOURADOS (MS).
178110	MS 9788-86		NO INFORMATION AVAILABLE	BRA	INTRODUCED ADVANCED LINE FROM DOURADOS (MS).
197386	MULTIPLICATION 14		LITORAL PRECOZ/KLEIN 157	URY	INTRODUCED FROM URY.RECOMMENDED IN 1972-RS.
136379	MUNICIPIO GUAPORE			BRA	LANDRACE FROM GUAPORE (RS).
045608	NAMBU	OC 73020	SONORA 64/TEZANOS PINTO PRECOZ	BRA	RELEASED IN 1979-PR,MS,MG,GO,BA,DF.
163074	NATIVO 1			BRA	LANDRACE FROM SOUTHERN BRAZIL.
163104	NATIVO 10			BRA	LANDRACE FROM SOUTHERN BRAZIL.
163082	NATIVO 4			BRA	LANDRACE FROM SOUTHERN BRAZIL.
153524	NATIVO 7			BRA	LANDRACE FROM SOUTHERN BRAZIL.
153532	NATIVO 9			BRA	LANDRACE FROM SOUTHERN BRAZIL.
163155	NEGROZ 11-45		RIO NEGRO/LITORAL PRECOZ	BRA	LINE FROM BAGE (RS).
153541	NEGROZ-A		UNKNOWN	BRA	DERIVED FROM NEGROZ.
080381	NHU-PORA	CEP 74139	SA 3423/IAS 57	BRA	RELEASED IN 1980-RS,SC.
015431	NOBRE	S 31	COLOTANA 824-51/YAKTANA 54//COLOTANA 296-52	BRA	RELEASED IN 1969-RS,SC.
193704	NOBRE CITO 5715		COLOTANA 824-51/YAKTANA 54//COLOTANA 296-52	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 97%.
058645	NORDESTE	H 30-18-32	ALFREDO CHAVES 3-21/NOVERA/ /PELON/XIII AP	BRA	RELEASED IN 1944-RS,PR.

BRA ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
193712	NOVA PRATA		VERANOPOLIS/TRAPEANO	BRA	RELEASED IN 1964-RS.
163180	NOVO SULINO		UNKNOWN	BRA	CULTIVAR FROM VERANOPOLIS (RS).
163198	NOVO SURTO		UNKNOWN	BRA	CULTIVAR FROM RS.
193721	OC 8111		IAC 5/ALDAN SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
193739	OC 8118		IAS 62/UNKNOWN	BRA	ADVANCED LINE FROM CASCABEL (PR).
193747	OC 8130		ALONDRA SIB/EMECK 132	BRA	ADVANCED LINE FROM CASCABEL (PR).
193755	OC 8138		IAC 5/ALDAN SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
193763	OC 814		IAS 64/ALDAN SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
193771	OC 8145		IAC 5/ALDAN SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
193780	OC 8147		IAC 5/ALDAN SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
193798	OC 8151		PAT 19/SISKIN SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
193801	OC 816		KLEIN FORTIM/CNT 7//ALONDRA SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
193810	OC 831		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM CASCABEL (PR).
193828	OC 836		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM CASCABEL (PR).
148831	OC 851		IAS 54/VEERY SIB/BACKA/ALONDRA SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
148822	OC 853		ALONDRA SIB/PF 72707//PAT 19	BRA	ADVANCED LINE FROM CASCABEL (PR).
148857	OC 855		CMH 74A.754/PAR/5/IAS 20/H 567.71/3/IAS 20	BRA	ADVANCED LINE FROM CASCABEL (PR).
193836	OC 8821		PF 7339/HAHN SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
193844	OC 8824		IAC 5/PEL 21414-66/E 2631/3/ALONDRA SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
193852	OC 8827		HEIMA/COCORAQUE 75//BLUEJAY SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
193861	OC 8911		IAS 58/MADEIRA SIB//IAC 5	BRA	ADVANCED LINE FROM CASCABEL (PR).

BRA ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
193879	OC 893		PAT 7219/SEL.TIFTON 7259/3/IAC 5//JUPATECO 73/ALONDRA SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
193887	OC 894		PAT 7392/SEL.TIFTON 7259//PF 7658/ALONDRA SIB	BRA	ADVANCED LINE FROM CASCABEL (PR).
193895	OC 899		CEP 7780//KAVKAZ/K4500 L.A.4	BRA	ADVANCED LINE FROM CASCABEL (PR).
193909	OC 915		URES T 81 SIB//PF 70354/MUSALA SIB/3/SARA	BRA	ADVANCED LINE FROM CASCABEL (PR).
193917	OC 921		ANAHUAC 75/OC 811	BRA	ADVANCED LINE FROM CASCABEL (PR).
193925	OC 9212		IAC 5/ALDAN SIB//SARA	BRA	ADVANCED LINE FROM CASCABEL (PR).
193933	OC 926		CAR 853/COCORAQUE//VEERY SIB/3/E 7408/PAMIR SIB//HORK SIB/TRIGO BR 4	BRA	ADVANCED LINE FROM CASCABEL (PR).
142158	OCEPAR 10-GARCA	OC 8123	IAC 5/ALDAN SIB	BRA	RELEASED IN 1984-PR.
193941	OCEPAR 11-JURITI	OC 8148	IAC 5/ALDAN SIB	BRA	RELEASED IN 1984-PR,SP.
193950	OCEPAR 12-MAITACA	OC 819	PF 71124/PAT 72162	BRA	RELEASED IN 1985-PR.
193968	OCEPAR 13-ACAUA	OC 8122	IAC 5/3/IAS 20/PATO (B)//BLUEBIRD//INIA F 66	BRA	RELEASED IN 1985-PR.
193976	OCEPAR 15	IOC 862	CNT 7//KAVKAZ/BUHO SIB/3/PEL 72390	BRA	RELEASED IN 1988-PR.
148849	OCEPAR 16	OC 868	SISKIN SIB//VEERY SIB	BRA	RELEASED IN 1989-PR. HMW GLUT 1 17 + 18 5 + 10.
193984	OCEPAR 17	IOC 865	KALYAN/BLUEBIRD//ALONDRA SIB/B 7408	BRA	RELEASED IN 1989-PR.
193992	OCEPAR 18	IOC 866	KAVKAZ/BUHO SIB//KALYAN/BLUEBIRD	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1990-PR.
169218	OCEPAR 19	IOC 872	ALONDRA SIB/PAVON SIB	BRA	RELEASED IN 1990-PR. HMW GLUT N 17 + 18 5 + 10.
194018	OCEPAR 20	OC 8714	ALONDRA SIB/PAT 7219	BRA	RELEASED IN 1990-PR.
194026	OCEPAR 21	OC 898	CEP 7780/4/KALYAN/BLUEBIRD//CAJEME SIB/3/ ALONDRA SIB	BRA	RELEASED IN 1992-PR.
194034	OCEPAR 22	OC 9016	KALYANSONA/BLUEBIRD//CAJEME SIB/3/ALONDRA SIB/4/RS 3	BRA	RELEASED IN 1994-PR.
194042	OCEPAR 6-FLAMINGO	OC 805	CAJEME 71/COTIPORA//PAT 7284	BRA	RELEASED IN 1983-PR.
147460	OCEPAR 7-BATUIRA	IOC 813	KEA "S" TEZANOS PINTO PRECOZ*2//ANDES E 64/ /INIA/3/CIANO 67/JARAL 66//KAVKAZ	MEX	INTRODUCED FROM MEX. RELEASED IN 1984-PR,MS,SP.
142131	OCEPAR 8-MACUCO	OC 812	IAS 64/ALDAN SIB	BRA	RELEASED IN 1984-PR.
142140	OCEPAR 9-PERDIZ	OC 8112	IAS 58/BLUEJAY SIB//BANANAQUIT	BRA	RELEASED IN 1984-PR.
153605	OITEST 1339-96-45		RIO NEGRO SIB/LA ESTANZUELA 2787C	BRA	LINE FROM BAGE (RS).
163287	OITEST 1359-155-45		RIO NEGRO SIB/LA ESTANZUELA 2787C	BRA	LINE FROM BAGE (RS).
057321	PALOTINA	MR 7214	CHEG 285/GABOTO/3/SONORA 64//TEZANOS PINTO PRECOZ/NAINARI 60	BRA	RELEASED IN 1976-PR.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	014877	PAMPA	MR 7274	KLEIN RENDIDOR/SONORA 64 //KLEIN RENDIDOR/ MAYO 54	BRA	RELEASED IM 1978-PR,MS.
	167053	PANDA	IDS 107-4	IDS 1528/SA 45//PARAGUAY 281	MEX	INTRODUCED FROM MEX. RELEASED IN 1989-PR,SP.
	120251	PARAGUAY 214	214-60	KENTANA 54//NORIN 10/BREVOR 21	PRY	INTRODUCED FROM PRY. RECOMMENDED IN 1972- PR,MS,SP.
	015571	PARAGUAY 281	281-60	KLEIN COMETA//NEWTATCH/MENTANA/3/ MENKEMEN 626/4/MAYO 54	PRY	INTRODUCED FROM PRY. RECOMMENDED IN 1978- PR,MS,SP.
	153656	PAT 1		CD 824/3/N-AT//FN2/K324/4/NORIN 72	BRA	ADVANCED LINE FROM C.ALTA (RS).
	156949	PAT 10		RYN/4/URES T 81 (PEAL)	BRA	ADVANCED LINE FROM C.ALTA (RS).
	008869	PAT 19		S 12/J 9281-67	BRA	RELEASED IN 1976-RS,PR.
	194051	PAT 19 CITO 2647-76		S 12/J 9281-67	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 96%
	015601	PAT 24		NORTENO 67/C 25	BRA	RELEASED IN 1977-MS.
	163376	PAT 46		NT 67/C 25	BRA	ADVANCED LINE FROM C.ALTA (RS).
	004421	PAT 7219		S 12/J 9280-67//NOBRE/TOROPI	BRA	RELEASED IN 1977-RS,PR.
	194069	PAT 7219 CITO 7320-80		S 12/J 9280-67//NOBRE/TOROPI	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 98%
	090174	PAT 72219		GA/J 9276-67	BRA	ADVANCED LINE FROM C.ALTA (RS).
	194077	PAT 72222		IAS 58/4/CARINA SIB/YAQUI 50/3/TOM THUMB/ SONORA 64//CHRIS	BRA	ADVANCED LINE FROM C.ALTA (RS).
	194085	PAT 72247		AMAZONAS SIB//TEZANOS PINTO PRECOZ/SONORA 64	BRA	RELEASED IN 1984-SP.
	163457	PAT 72254		GA/J 9276-67	BRA	ADVANCED LINE FROM C.ALTA (RS).
	194093	PAT 7241		S 67 (RES) ?	BRA	ADVANCED LINE FROM C.ALTA (RS).
	170577	PAT 7253		(AFRICA 43-MAYO/FEDERATION X KENYA 350 A D.9.C.2- GABO)CO 824-YAKTANA 54 X CARAZINHO/TOROPI B 4813. 16C.1A.OC	BRA	ADVANCED LINE FROM C.ALTA (RS).
	153711	PAT 7268		SKM/*2 TOROPI	BRA	ADVANCED LINE FROM C.ALTA (RS).
	153826	PAT 73147		GA/J 9276-67	BRA	ADVANCED LINE FROM C.ALTA (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	153842	PAT 73159		PEL 10022-65/SAM	BRA	ADVANCED LINE FROM C.ALTA (RS).
	163597	PAT 73163		UNKNOWN/LAGOA VERMELHA	BRA	ADVANCED LINE FROM C.ALTA (RS).
	163651	PAT 73322		IAS 57[(SONORA 64/PVZ-CIANO SIB X INIA SIB)L.S.I-PITIC 62 X HD 832.5.5]	BRA	ADVANCED LINE FROM C.ALTA (RS).
	153923	PAT 73613		S 12/J 9280.67/3/NOBRE/TOROPI	BRA	ADVANCED LINE FROM C.ALTA (RS).
	156957	PAT 739		S 42/IAS 59	BRA	ADVANCED LINE FROM C.ALTA (RS).
	156965	PAT 7392		J 12326-67/IAS 55	BRA	RELEASED IN 1980-RS,SC,PR. HMW GLUT 1 7+8 5+10.
	194107	PATRIARCA		UNKNOWN	BRA	EARLY, NOT TALL TYPE, RED GLUMES-NOT ACCORDING TO DESCRIPTION.
	194115	PATRIARCA CITO 3629-77		TRINTECINCO/MINUANO	BRA	SELECTED FROM A PLANT SHOWING A MEIOTIC INDEX OF 100%.
	015881	PEL 11806-65		TOKAY 66/IAS-C 46	BRA	ADVANCED LINE FROM PELOTAS (RS).
	018732	PEL 11847-65		IAS 20*2/NEWTATCH//IAS 20*2/NORIN 34	BRA	ADVANCED LINE FROM PELOTAS (RS).
	194123	PEL 13507-65		IAS 20/IAS 46	BRA	ADVANCED LINE FROM PELOTAS (RS).
	194131	PEL 13725-68		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
	175404	PEL 13737-68		PEL 13906-62/PEL 18102-62	BRA	ADVANCED LINE FROM PELOTAS (RS).
	175412	PEL 13739-68		PEL 19906-62/PEL 18102-62	BRA	ADVANCED LINE FROM PELOTAS (RS).
	031615	PEL 14621-64		IAS 20/3/YAKTANA 54//NORIN 10/BREVOR 21-1C	BRA	ADVANCED LINE FROM PELOTAS (RS).
	031631	PEL 14933-64		IAS 20/MAGNIF MG	BRA	ADVANCED LINE FROM PELOTAS (RS).
	031496	PEL 21382-66		PEL 19906-62/PEL 18102-62	BRA	ADVANCED LINE FROM PELOTAS (RS).
	031500	PEL 21383-66		PEL 19906-62/PEL 18102-62	BRA	ADVANCED LINE FROM PELOTAS (RS).
	015709	PEL 2210-63		IAS 16/3/YAKTANA 54//NORIN 10/BREVOR 21-1C	BRA	ADVANCED LINE FROM PELOTAS (RS).

BRA ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
045471	PEL 71011		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
009857	PEL 72015		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
009946	PEL 72082		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
009954	PEL 72083		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
194140	PEL 72226		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
024015	PEL 72243		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
009482	PEL 72386		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
045438	PEL 72390		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
056642	PEL 72393		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS). HMW GLUT 1 7 + 9 2 + 12 .
194158	PEL 73015		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
058190	PEL 73101		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
194166	PEL 73116		NO INFORMATION AVAILABLE	BRA	LINE FROM PELOTAS (RS). HMW GLUT N 7 + 9 2 + 12 .
194174	PEL 73151		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
042676	PEL 73157		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
176010	PEL 73215		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
030759	PEL 74043		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
177032	PEL 74099		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
080144	PEL 74142		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
097705	PEL 74238		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
177041	PEL 74267		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	194182	PEL 75135		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
	029416	PEL-A 394-65		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
	194191	PEL-A 506-62		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
	194204	PEL-A 683-64		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
	154121	PELADAO			BRA	LANDRACE FROM ESPUMOSO (RS).
	194212	PELADINHO			BRA	LANDRACE FROM RS. RECOMMENDED IN 1978-RS,SC. HMW GLUT N 7 2 + 12.
	154172	PELADINHO 761			BRA	LANDRACE FROM TRES DE MAIO (RS).
	194221	PELADO BRANCO			BRA	LANDRACE FROM RS. HMW GLUT N 7 + 8 2 + 12.
	029092	PEL-G 526-67		IAS 20/IAS 46	BRA	ADVANCED LINE FROM PELOTAS (RS).
	016322	PEL-SL 1263-69		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM PELOTAS (RS).
	043885	PERGAMINO GABOTO		BAGE 2018//H 44/SINVALOCHO/3/BAGE 1971-37	ARG	INTRODUCED FROM ARG. RECOMMENDED IN 1972-RS.
	004502	PF 11-1001-62		CAMACRANIA/KENYA FARMER	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	017698	PF 69118		IAS 20/IAS 46	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	017779	PF 69129		IAS 20//TRINTANI/SINVALOCHO	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	017809	PF 69157		IAS 20//IAS 20/IAS 46	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	017922	PF 69191		IAS 20/IAS 46	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	017931	PF 69196		IAS 51//IAS 20/ND 81	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	017604	PF 6926		IAS 20/3/IAS 20*2/NEWTATCH//IAS 20*2/NORIN 34	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	028878	PF 696		IAS 20/IAS 46	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	018023	PF 7010		PEL 11051-61/PEL 11161-61	BRA	ADVANCED LINE FROM P. FUNDO (RS).



BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	008711	PF 70100		IAS 51/ND 81	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	194239	PF 70100 CITO 3911-77		IAS 51/ND 81	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 98%
	018091	PF 70124		PF 11-1000-62/IAS 20	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	018112	PF 70131		PF 11-1001-62/BH 1146	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	018180	PF 70193		IAS 20/IAS 46	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	018287	PF 70338		IAS 51//IAS 20/ND 81	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	194247	PF 70338 CITO 3522-77		IAS 51//IAS 20/ND 81	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 98%
	018317	PF 70353		IAS 55/IAS 20	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	018325	PF 70354		IAS 55/IAS 20	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	018333	PF 70357		IAS 55/IAS 20	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	023701	PF 70401		IAS 20/IAS 50	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	018473	PF 70543		IAS 51/PEL-A 2-62	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	028827	PF 70547		IAS 51//IAS 20/ND 81	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	018503	PF 70553		IAS 51//IAS 20/ND 81	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	018546	PF 70562		PEL 11319-61//IAS 20/ND 81	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	018562	PF 70564		PEL 11319-61//IAS 20/ND 81	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	018678	PF 70592		PEL 11051-61/PEL 11161-61	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	008907	PF 7065		IAS 46/IAS 69//IAS 46/TOKAY 66	BRA	ADVANCED LINE FROM P. FUNDO (RS). HMW GLUT N 7 + 9 2 + 12 .
	028819	PF 708		PEL 11051-61/PEL 11161-61	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	019909	PF 71131		PEL 11319-61//IAS 20/ND 81	BRA	ADVANCED LINE FROM P. FUNDO (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	028029	PF 72560		IAS 20/PEL 8685-62//IAS 20/TOKAY 66	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	028312	PF 72640		TOROPI//IAS 54	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	023841	PF 72707		IAS 55//IAS 20	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	026298	PF 73140		IAS 20/PEL 13110-64	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 7+8 2+12.
	025399	PF 7339		SONORA 64A/SELKIRK ENANO//LERMA ROJO 64A/3/IAS 49	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	025411	PF 7341		TEZANOS PINTO PRECOZ//SONORA 64/3/LERMA ROJO 64A/TEZANOS PINTO PRECOZ//ANDES ENANO/4/J 9179-67	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	080110	PF 74116		CIANO SIB//LERMA ROJO 64*2//SONORA 64/3/IAS 50	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 5+10.
	194255	PF 74155		PEL 21432-66/3//CIANO/NADADORES 63//II-23-526	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+8 2+12.
	108570	PF 74223		GABOTO//LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+8 2+12.
	109533	PF 74441		IAS 52//IAS 59//IAS 54-20	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 7+8 5+10.
	043478	PF 75119		PF 69196//IAS 46//IAS 49//IAS 46/TOKAI 66	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	194263	PF 75119 CITO 7467-80		PF 69196//IAS 46//IAS 49//IAS 46/TOKAI 66	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 99%.
	194280	PF 75171 CITO 7079-80		IAS 20//TOROPI//PF 70100	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 100%
	194301	PF 75172 CITO 4452-78		IAS 20//TOROPI//PF 70100	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 99%
	058211	PF 75416		IAS 58//PF 70100	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+8 5+10.
	194328	PF 75418		IAS 58//PF 70100	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+8 5+10.
	004057	PF 7576		JARAL SIB//IAS 51//IAS 59	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	194344	PF 7576 CITO 7448-80		JARAL SIB//IAS 51//IAS 59	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 100%
	057509	PF 7611		BLUEBIRD//INIA//KLEIN IMPACTO/3//LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 13+16 5+10.

BRA						
ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION	
057070	PF 7613		RELIANCE/PF 70100	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 7+8 5+10.	
037648	PF 7655		IAS 62/CNT 7	BRA	ADVANCED LINE FROM P. FUNDO (RS).	
194361	PF 7655 CITO 7118-80		IAS 62/CNT 7	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 99%	
101966	PF 7674		IAS 49/MINAMI KYUSHU 69//IAS 49/IAS 20/3/PEL 13727-68/4/PF 7065	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 2+12 7+9.	
110345	PF 7713		JARAL SIB/IAS 51//IAS 59	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 7+8 5+10.	
110388	PF 7718		PF 70100//JARAL 66/CIANO SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 7+8 5+10.	
110400	PF 7720		TIMGALLEN/LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 5+10.	
058122	PF 7727		IAS 62//CARDENAL/PF 16-1292-62	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+9 2+12.	
110591	PF 7748	WHYDAH	ND 81/IAS 59//IAS 58	BRA	RELEASED IN ZAMBIA-1984.	
194379	PF 7758		PF 70354/PF 72691	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+9 2+12.	
110663	PF 7759		PF 7135/PF 70553	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+9 2+12.	
110302	PF 779		IAS 52/3/IAS 20/PEL 8685-62//IAS 20/TOKAY 66	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 7+9 5+10.	
080390	PF 7815		PF 70124/CNT 10	BRA	ADVANCED LINE FROM P. FUNDO (RS).	
194395	PF 7815 CITO 7505-80		PF 70124/CNT 10	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 100%	
121231	PF 782001	NOBEOKA BOZU SEL	NO INFORMATION AVAILABLE	BRA	LINE FROM P. FUNDO (RS).	
168301	PF 782009		IAS 51//IAS 20/ND 81	BRA	LINE FROM P. FUNDO (RS).	
121240	PF 782016	CNT 1 SEL	PF 11-1000-62/BH 1146	BRA	LINE FROM P. FUNDO (RS).	
194409	PF 79109		COTIPORA//LAGOA VERMELHA/NOBEOKA BOZU	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+7 2+12.	
080691	PF 79185		CNT 1/CNT 10	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+9 2+12.	
194417	PF 79376		ESB//IAS 51	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+9 2+12.	
194425	PF 79472		ND 81/CNT 1	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+9 2+12.	

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	194433	PF 79518		PF 72706/PF 70338	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 7+9 5+10.
	194441	PF 79541		IAC 5/COWBIRD SIB//IAS 62/TUCAN SIB/3/YDING SIB/ALONDRA	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 5+10 7+9.
	194450	PF 79546		IAS 58/IAS 55//ALONDRA SIB/3/IAC 5/4/ALONDRA SIB/IAS 58//ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 13+16 5+10.
	194468	PF 79559		IAS 58/MADEIRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 17+18 5+10.
	194476	PF 79587		PF 70354/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 2+12.
	194484	PF 79601		PF 70354/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 2+12.
	194492	PF 79611		IAS 64/ALDAN SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 13+16 5+10.
	157295	PF 79649		PF 70402/ALONDRA SIB//PAT 72160/ ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	194506	PF 79682		IAS 58/IAS 55//ALONDRA SIB/3/IAC 5	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 5+10.
	194514	PF 79691		PAT 19/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 17+18 2+12.
	194522	PF 79693		IAS 57/MENGAVI//ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 5+10.
	194531	PF 79694		IAS 57/MENGAVI//ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+8 5+10.
	194549	PF 79696		IAS 57/MENGAVI//ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+8 5+10.
	194557	PF 79700		IAS 57/MENGAVI//ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 5+10.
	194565	PF 79701		IAS 57/MENGAVI//ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 5+10.
	194573	PF 79704		IAS 57/MENGAVI//ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 5+10.
	194581	PF 79713		IAS 63/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 2+12.
	194590	PF 79717		IAS 63/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 2+12.
	194603	PF 79740		IAS 63/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 2+12.
	191611	PF 79760		IAS 63/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 2+12.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	194620	PF 79761		IAS 63/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+8 2+12.
	194638	PF 79762		IAS 63/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 2+12.
	160385	PF 79767		IAS 63/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	080811	PF 79780		IAS 63/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	080829	PF 79782		IAS 63/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	080250	PF 79791		PF 72640/PF 7326//PF 7065/ALONDRA SIB	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	194646	PF 80100		HADDEN/2*TRIGO BR 5	BRA	LINE FROM P. FUNDO (RS).
	157724	PF 801012		ARTHUR TYPE 3*//FC TRANSF/ BULGARIA/3/W 51877	BRA	INTRODUCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	157775	PF 801017		NAPHAL/ATLAS 66//F 22-70/2/KAVKAZ	BRA	INTRODUCED LINE FROM P. FUNDO (RS).
	194654	PF 8012		B 1701/ALDAN SIB	BRA	LINE FROM P. FUNDO (RS).
	194662	PF 80137		IAS 58/IAS 55//ALONDRA SIB/3/IAC 5	BRA	LINE FROM P. FUNDO (RS).
	194671	PF 80140		IAS 52/SOLO//JUPATECO 73	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	194689	PF 80153		NYU BAY/PF 70338	BRA	LINE FROM P. FUNDO (RS).
	194697	PF 80154		TOROP/ PF 70338	BRA	LINE FROM P. FUNDO (RS).
	194701	PF 80156		IAS 54*2/TOKAY 80//PF 69193	BRA	LINE FROM P. FUNDO (RS).
	194719	PF 80157		IAS 54*2/TOKAY 80//PF 69193	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 13+16 2+12.
	080888	PF 8016		IAS 58/MADEIRA	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	194727	PF 802012		S 12/J9281-67, PAT SEL	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+9 2+12.
	194735	PF 802014		NO INFORMATION AVAILABLE	BRA	LINE FROM P. FUNDO (RS).
	194743	PF 802020		PENJAMO 62 SIB/GABO 55	BRA	LINE FROM P. FUNDO (RS).
	161179	PF 802022		FRONTANA//THATCHER/SINVALOCHO	BRA	LINE FROM P. FUNDO (RS).
	169404	PF 802023		FRONTANA//THATCHER/SINVALOCHO	BRA	LINE FROM P. FUNDO (RS).
	194751	PF 80208		IAS 60/PEL-A-394-65//IAS 55/3/ALONDRA/4/IAS 58/ IAS 55/5/ALONDRA/HORK SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 17+18 5+10.
	194760	PF 80210		IAS 60/PEL-A-394-65//IAS 55/3/ALONDRA/4/IAS 58/ IAS 55/5/ALONDRA/HORK SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 17+18 5+10.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	194778	PF 80222		IAS 58/MADEIRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 17+18 5+10.
	194794	PF 80279		NS 13-72/2*CNT 9	BRA	LINE FROM P. FUNDO (RS).
	194808	PF 80281		CAJEME F 71/PAT 19	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 17+18 2+12.
	194816	PF 80282		IAS 52/SOLO//JUPATECO F 73	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW. HMW GLUT 1 17+18 2+12.
	194824	PF 80283		IAS 52/SOLO//JUPATECO F 73	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	080969	PF 80284		IAS 52/SOLO//JUPATECO F 73	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	194832	PF 80285		IAS 52/SOLO//JUPATECO F 73	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	194841	PF 80286		IAS 52/SOLO//JUPATECO F 73	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW. HMW GLUT 1,2* 7 5+10.
	194859	PF 80287		IAS 52/SOLO//JUPATECO F 73	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	194867	PF 8040		CINQUENTENARIC/AZTECA//IAS 55/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 17+18 5+10.
	194875	PF 8043		LONDRINA/ALONDRA SIB//NOBRE	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 17+18 2+12.
	177121	PF 8046		IAS 54/MENGAVI//ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	177148	PF 8049		IAS 63/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	194883	PF 8060		PF 70133/16-52-24	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+8 2+12.
	194891	PF 8069		PAT 19/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS).
	194905	PF 8074		ALONDRA SIB/PF 7326	BRA	ADVANCED LINE FROM P. FUNDO (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	194913	PF 8078		PF 72745/PF 73193	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+8 2+12.
	194921	PF 8085		PF 72640/PF 7326//PF 7065/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+8 2+12.
	177202	PF 8086		PF 72640/PF 7326//PF 7065/ALONDRA SIB	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	177211	PF 8090		PF 7065/KLEIN ATLAS	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	194930	PF 8092		BH 3242/IAS 53//IAS 64	BRA	LINE FROM P. FUNDO (RS).
	160393	PF 8096		PAT 7241/KAVKAZ	BRA	LINE FROM P. FUNDO (RS).
	194948	PF 8110		LONDRINA/ALONDRA SIB//NOBRE	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	194956	PF 811001		ARTHUR TYPE 3//FC TRANSF/BULGARIA 88//51877	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	194964	PF 81129		IAS 60/PEL A-394 65//IAS 55/3/ALONDRA SIB/4/IAS 58/IAS 55/5/ALONDRA SIB/HORK SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 17+18 5+10.
	194972	PF 8114		ND 81/CNT 1	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 17+18 2+12.
	081060	PF 81160		PEL 72380/ARTHUR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	194981	PF 81162		IAS 54*2/TOKAY 80//PF 69163	BRA	LINE FROM P. FUNDO (RS).
	194999	PF 81172		LONDRINA*5/KAVKAZ	BRA	LINE FROM P. FUNDO (RS).
	142263	PF 81191		BH 1146*3/ALONDRA SIB	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	195006	PF 8121		ALONDRA SIB/2*BH 1146	BRA	LINE FROM P. FUNDO (RS).
	142271	PF 81216		BH 1146*3/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	138711	PF 81218		BH 1146*3/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	195022	PF 81227		BH 1146*3/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	195031	PF 81228		BH 1146*3/ALONDRA SIB	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	195049	PF 81229		BH 1146*3/ALONDRA SIB	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	195065	PF 8126		FARFA/TRIGO BR 2	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 7+8 5+10.
	195073	PF 8127		IAS 54-21/3* CNT 1	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 7+8 2+12.
	155233	PF 81276		COPAIN*2/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	195081	PF 81281		IAS 60/PEL-A-394-65//IAS 55/3/ALONDRA SIB/4/IAS 58/IAS 55/5/ALONDRA SIB/HORK SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 17+18 5+10.
	195090	PF 81292		SAGE/2*PF 7450	BRA	LINE FROM P. FUNDO (RS).
	195103	PF 813003		NS 18-78/2*CNT 8	BRA	LINE FROM P. FUNDO (RS).
	195111	PF 813004		PF 70338/CNT 10	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 7+9 5+10.
	195120	PF 813017		ALVAREZ 110/IAS 54*2/6/TOROPI/4/TEZANOS PINTO PRECOZ/SONORA 64//NAPO/3/CIANO/5/PF 6968	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195138	PF 813018		ALVAREZ 110/IAS 54*2/6/TOROPI/4/TEZANOS PINTO PRECOZ/SONORA 64//NAPO/3/CIANO/5/PF 6968	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142280	PF 813019		ALVAREZ 110/IAS 54*2/6/TOROPI/4/SONORA 64//NAPO/3/CIANO/5/PF 6968	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195146	PF 81305		BR 1/3/KAVKAZ/GAVILAN SIB//KATHADIN SIB/EMECK 132/4/PAT 70402/ALONDRA SIB//PAT 72160/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 2+12.
	195154	PF 81320		ALDAN SIB/PF 70354	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 17+18 5+10.
	195162	PF 81326		IAS 54/TOKAY 80//PF 69193	BRA	LINE FROM P. FUNDO (RS).
	195171	PF 81328		PF 11-1001-62/PF 73241	BRA	LINE FROM P. FUNDO (RS).
	195189	PF 8134		CNT 8*2/SONORA 64	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 7 5+10.
	195197	PF 8135		CNT 8*2/SONORA 64	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 6+8 2+12.
	195201	PF 8147		IAS 52/SOLO//JUPATECO F 73	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195219	PF 815B		IAC 17/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	195227	PF 8162		IRN 526-63/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17+18 2+12.
	195235	PF 8177		ALONDRA SIB/PF 7326	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+8 5+10.
	083283	PF 819		PAT 19/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS).
	195243	PF 8194		IAC 5/COCORAQUE F 75//CNT 8/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 6+8 2+12.
	195251	PF 8214		CORRECAMINOS/IAS 54-47/562//CNT 8	BRA	LINE FROM P. FUNDO (RS).
	155306	PF 822		NS 13-72/2*CNT 9	BRA	LINE FROM P. FUNDO (RS).



BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	142310	PF 82225		BH 1146*6/RL 4137	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	041084	PF 82250		PAT 24/ALONDRA SIB//TRIGO BR 2/PF 74267	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	139211	PF 82341		IAS 60/INDUS//IAS 62/3/ALONDRA SIB/4/IAS 59	BRA	LINE FROM P. FUNDO (RS).
	195260	PF 82362		IAS 59*5/PARANA PRECOZ INTA	BRA	LINE FROM P. FUNDO (RS).
	083640	PF 82365		CNT 7*5//YUMA/6*CCE	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	169561	PF 82366		CNT 7*5//YUMA/6*CCE	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	169579	PF 82367		CNT 7*5//YUMA/6*CCE	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142301	PF 8237		RC 7201/2*TRIGO BR 2	BRA	LINE FROM P. FUNDO (RS).
	195278	PF 82370		PF 70354*3//KAPLI/8*CCE	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW. HMW GLUT N 17+18 5+10.
	195266	PF 82373		LAGOA VERMELHA*5/AGATHA	BRA	LINE FROM P. FUNDO (RS).
	149284	PF 82410		RC 7201/2*TRIGO BR 2	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	195308	PF 82420		RC 7201/2*TRIGO BR 2	BRA	LINE FROM P. FUNDO (RS).
	083526	PF 8269		JACUI*3/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	195316	PF 828		ALONDRA SIB/2*BH 1146	BRA	LINE FROM P. FUNDO (RS).
	142361	PF 83148		IAC 5*2/3/CNT 7*3/LONDRINA//IAC 5/HADDEN	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	142697	PF 832006		ALDAN SIB/CNT 9	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	169609	PF 83223		CNT 7*6//YUMA/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195324	PF 83224		CNT 7*6//YUMA/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142387	PF 83227		CNT 7*3/HADDEN	BRA	LINE FROM P. FUNDO (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	142468	PF 83244		CNT 1*6/ALONDRA SIB	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	142450	PF 83343		IAS 55*4/ALONDRA SIB//IAS 55*4/KHAPLI/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	160423	PF 83348		IAS 55*4/AGENT//IAS 55*4/KHAPLI/8*CHANCELLOR	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142409	PF 83349		IAS 55*4/AGENT//IAS 55*4/KHAPLI/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195332	PF 83356		IAS 55*4/KHAPLI/8*CHANCELLOR/3//IAS 55*4/EAGLE/ //IAS 55*4/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195341	PF 83368		IAS 59*5/PARANA PRECOZ INTA//IAS 55*4/KHAPLI/ 8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	159387	PF 83438		LONDRINA*2/ABURA//LONDRINA*5/AGENT	BRA	LINE FROM P. FUNDO (RS).
	169617	PF 83497		PARAGUAY 214*3/HALLE STAMM 13471	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	169625	PF 83598		IAS 55*4//KHAPLI/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	147788	PF 83619		RC 7201/TRIGO BR 2//IAS 58	BRA	LINE FROM P. FUNDO (RS).
	143456	PF 83699		CNT 1*5/JUPATECO F 73	BRA	LINE FROM P. FUNDO (RS).
	174211	PF 83702		CNT 6/SONORA 64	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	177393	PF 83707		CNT 8*2/PF 7450	BRA	LINE FROM P. FUNDO (RS).
	142484	PF 83773		ALONDRA SIB/2*IAS 58	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	160440	PF 83808		PAT 24/ALONDRA SIB	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	141119	PF 83899		PF 7577/PF 78901//CNT 10/TRIGO BR 5	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	177423	PF 839002		KAVKAZ/4*LONDRINA//HADDEN/4*IAS 54-21	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142425	PF 83905		RL 6010/3*JUPATECO F 73	BRA	LINE FROM P. FUNDO (RS).
	159417	PF 839131		IAS 55*4/ALONDRA SIB//IAS 55*4/AGENT	BRA	LINE FROM P. FUNDO (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	195359	PF 839189		NO INFORMATION AVAILABLE	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 17+18 5+10.
	142727	PF 839197		LD*2//ALD SIB//HAD SEL*3/10/LD*2//ALD SIB/7//TP/4//TZPF/SON 64//NAPO/3//CIANO/5//PF 6968/6//IAC 5//HAD/8//LD/CNT 1//.....	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142433	PF 83920		LONDRINA*6//EAGLE	BRA	LINE FROM P. FUNDO (RS).
	195367	PF 83925		LONDRINA*6//AGENT	BRA	LINE FROM P. FUNDO (RS).
	159433	PF 839281		ALONDRA SIB/2*//IAS 58	BRA	LINE FROM P. FUNDO (RS).
	142735	PF 839296		LAP 689/3*//CNT 10	BRA	LINE FROM P. FUNDO (RS).
	169641	PF 83937		PARAGUAY 214*4//AFRICA 43	BRA	LINE FROM P. FUNDO (RS).
	195375	PF 83939		JUPATECO F 73//SULLIVAN	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195383	PF 83940		PARAGUAY 214*4//TW 275-7-6-10-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195391	PF 83942		PARAGUAY 214*4//TW 275-7-6-10-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195405	PF 83948		PARAGUAY 214*3//KHAPLI/8*//CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195413	PF 83950		PARAGUAY 214*3//KHAPLI/8*//CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195421	PF 83952		PARAGUAY 214*3//KHAPLI/8*//CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	169668	PF 83955		LONDRINA*6//AGATHA	BRA	LINE FROM P. FUNDO (RS).
	159441	PF 84138		BH 1146*4//LONDRINA*3//EAGLE	BRA	LINE FROM P. FUNDO (RS).
	142743	PF 84146		CM4 75A.270/5*//IAC 5	BRA	LINE FROM P. FUNDO (RS).
	195430	PF 84148		H 569-71/5*//JACUI	BRA	LINE FROM P. FUNDO (RS).
	169692	PF 84159		IAS 55*6//KHAPLI/8*//CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	169706	PF 84160		LONDRINA*7//HALLE STAMM 13471	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	169731	PF 84164		NOBRE*4/CI 12633	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	169749	PF 84165		NOBRE*4/CI 12633	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	169757	PF 84166		NOBRE*4/CI 12633	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	169765	PF 84167		NOBRE*4/CI 12633	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE OF POWDERY MILDEW.
	169773	PF 84168		NOBRE*4/CI 12633	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	169781	PF 84169		NOBRE*6/HALLE STAMM 13471	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	169790	PF 84170		NOBRE*6/HALLE STAMM 13471	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	169803	PF 84171		NOBRE*6/HALLE STAMM 13471	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	159450	PF 84198		BH 1146*4//IAS 55*4/AGENT	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	169897	PF 84205		LONDRINA*7/HALLE STAMM 13471	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	160539	PF 84208		BH 1146*4/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	160547	PF 84215		PARANA PRECOZ INTA/3* <i>CNT</i> 8	BRA	LINE FROM P. FUNDO (RS).
	177458	PF 84296		PF 7577/PF 78901// <i>CNT</i> 10/TRIGO BR 5	BRA	LINE FROM P. FUNDO (RS).
	178144	PF 843025		LONDRINA*2/ALONDRA SIB*2/7/ALVAREZ 110*2//IAS 54*2/6/TOROPI/4/TEZANOS PINTO PRECOZ/ SONORA 64//NAPO/3/CIANO/5/PF 6968	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	178152	PF 843083		LONDRINA*2/ALONDRA SIB*2/7/ALVAREZ 110*2//IAS 54*2/6/TOROPI/4/TEZANOS PINTO PRECOZ/ SONORA 64//NAPO/3/CIANO/5/PF 6968	BRA	ADVANCED LINE FROM P. FUNDO (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	177466	PF 84327		CHINESE/AEGILOPS UMBELLULATA/5*LAGOA VERMELHA//HADDEN/4*IAS 54-21	BRA	LINE FROM P. FUNDO (RS).
	159468	PF 84330		CHINESE/AEGILOPS UMBELLULATA/5*LAGOA VERMELHA//HADDEN/4*IAS 54-21	BRA	LINE FROM P. FUNDO (RS).
	159476	PF 84344		CEP 7668/CEP 7778	BRA	LINE FROM P. FUNDO (RS).
	159484	PF 84353		LAP 689/3*CNT 10	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142557	PF 84363		ALONDRA SIB/3*JACUI	BRA	LINE FROM P. FUNDO (RS).
	142590	PF 84373		CNT 8/BASTION//F 5530	BRA	LINE FROM P. FUNDO (RS).
	142565	PF 84397		NS 18-78/IAC 5	BRA	LINE FROM P. FUNDO (RS).
	142603	PF 84404		NOBEOKA BOZU/3*LONDRINA	BRA	LINE FROM P. FUNDO (RS).
	142611	PF 84409		IAS 52/SOLO//JUPATECO F 73/3/CNT 10/4/PF 782021	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	143481	PF 84410		FB 6632/TRIGO BR 3	BRA	LINE FROM P. FUNDO (RS).
	177482	PF 84415		IAS 52/SOLO//JUPATECO 73/3/2*CNT 10/4/PF 782021	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	174220	PF 84427		BH 1146*6/ALONDRA SIB	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	160580	PF 84432		LONDRINA*2/ALONDRA//2*HADDEN/5/ALVAREZ 110/2*IAS 54/6/TOROPI/4/TEZANOS PINTO PRECOZ/SONORA 64/NAPO/3/CIANO/5/PF 6968	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142719	PF 84433		LONDRINA*5/NOBEOKA BOZU	BRA	LINE FROM P. FUNDO (RS).
	159492	PF 84511		BUTUI/PAT 7392	BRA	LINE FROM P. FUNDO (RS).
	149462	PF 84543		NO INFORMATION AVAILABLE	BRA	LINE FROM P. FUNDO (RS).
	195448	PF 84569		JUPATECO 73*4/RL 6010	BRA	LINE FROM P. FUNDO (RS).
	169901	PF 84686		NOBRE*6/HALLE STAMM 13471	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	151157	PF 85107		PAT 24/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	159557	PF 85119		LONDRINA*3/ALONDRA SIB//PF 75221	BRA	LINE FROM P. FUNDO (RS).
	142701	PF 8513		MS 7851/3*BH 1146	BRA	LINE FROM P. FUNDO (RS).
	159565	PF 85130		PF 7577/PAT 7219/5/IAS 63/ALONDRA SIB//GABOTO/ LAGOA VERMELHA	BRA	LINE FROM P. FUNDO (RS).
	177563	PF 85148		PF 7673//LONDRINA*4/ALONDRA SIB/3/CNT 8/JACUI	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142808	PF 8515		MS 7851/2*BH 1146	BRA	LINE FROM P. FUNDO (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	159573	PF 85159		IAC 5/COCORAQUE 75//CNT 8/ALONDRA SIB/3/PF 7727	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	159581	PF 85161		AMIGO SEL//ALONDRA SIB/2* TIFTON	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	143073	PF 85167		PF 70354*4/KHAPLI/8*CHANCELLOR//LONDRINA*5/KAVKAZ	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	151173	PF 85168		LONDRINA*4/PARANA PRECOZ INTA/ /TIFTON/3/BH 1146*3/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	159590	PF 85175		WISCONSIN SUPREMO/2* CNT 6	BRA	LINE FROM P. FUNDO (RS).
	143154	PF 85185		OASIS/COTIPORA//ALONDRA SIB/IAS 58	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	159247	PF 85202		PF 70354*4/KAPLI/8*CHANCELLOR//LONDRINA*5/KAVKAZ/4/LONDRINA*4/PARANA PRECOZ INTA/TIFTON/3/CNT 7*4/YUMA/8*CHANCELLOR	BRA	ADVANCED LINE FROM P. FUNDO (RS). HMW GLUT 2* 7+9 5+10.
	159603	PF 85203		PF 79469//NOBRE*2/NYU BAY/3/PF 79768	BRA	LINE FROM P. FUNDO (RS).
	159611	PF 85220		PF 79469//NOBRE*2/NYU BAY/3/PF 79768	BRA	LINE FROM P. FUNDO (RS).
	177628	PF 85224		TRIGO BR 5/AMIGO P//TRIGO BR 5/PF 7668	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	151203	PF 85229		TRIGO BR 8/AMIGO P//TRIGO BR 8/PF 7668	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	177636	PF 85230		TRIGO BR 8/AMIGO P//TRIGO BR 8/PF 7668	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178225	PF 85235		PF 70354*4/KHAPLI/8*CHANCELLOR//LONDRINA*5/KVZ/3/CNT 7*5/YUMA/8*CHANCELLOR// PARAGUAY 214*5/PARANA PRECOZ INTA/4/PF 79791	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	143049	PF 85246		PF 772003/PF 813	BRA	LINE FROM P. FUNDO (RS).
	159638	PF 85249		RPB 505/ALONDRA SIB//CNT 9	BRA	LINE FROM P. FUNDO (RS).
	177741	PF 853009		TOROPI/4/TEZANOS PINTO PRECOZ/SONORA 64/ /NAPO 63/3/CIANO/5/PF 6968/6/ HADDEN SEL/JAL/7/ COPOSO/8/LONDRINA/CNT 1//....	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	143294	PF 853048		TP/4/TZPP/SON 64/NAPO/3/CIANO/5/PF 6968/6/NAD SEL/JAL/7/COPUSU/8/LD/CNT 1/LD*2/ALD SIB/3/ IAC 5/HAD SEL/9/HAD SEL/AMIGO/1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	151211	PF 85307		CNT 1*6/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	177652	PF 85309		CNT 1*6/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	155365	PF 85311		CNT 1*6//MICHIGAN AMBER/8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	177661	PF 85312		CNT 1*2/LONDRINA	BRA	LINE FROM P. FUNDO (RS).
	142816	PF 8532		CNT 1*2/CM 1735//PF 782015	BRA	LINE FROM P. FUNDO (RS).
	177679	PF 85320		CNT 8*6//IAS 55*4/KHAPLI/8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142905	PF 85323		CNT 8*6//IAS 55*4/KHAPLI/8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142913	PF 85324		CNT 8*6//LONDRINA*3/CI 12633	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	143138	PF 85328		CNT 8*6//NEEPAWA*6/RL 4137	BRA	LINE FROM P. FUNDO (RS).
	142786	PF 8534		CNT 10/RC 7205//3*PF 782021	BRA	LINE FROM P. FUNDO (RS).
	147591	PF 85345		CNT 10*6//LONDRINA*3/HALLE STAMM 13471	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	143120	PF 85348		CNT 10*4//LAGOA VERMELHA*5/AGATHA	BRA	LINE FROM P. FUNDO (RS).
	159522	PF 8535		CNT 10/RC 7205//3*PF 782021	BRA	LINE FROM P. FUNDO (RS).
	177687	PF 85358		CNT 10*6//LAGOA VERMELHA*5/CHINESE/ AEGILOPS UMBELLULATA/3/CNT 10*6//IAS 54-21*2/KHAPLI/ 8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	143090	PF 85360		CNT 10*3/SULLIVAN	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	143278	PF 85362		CNT 10*5/ST 1	BRA	LINE FROM P. FUNDO (RS).
	177695	PF 85363		CNT 10*5/ST 1	BRA	LINE FROM P. FUNDO (RS).
	151220	PF 85367		IAS 55*4/AGENT//IAS 55*4/KHAPLI/8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	177709	PF 85369		IAS 55*4/AGENT//IAS 55*4/KHAPLI/8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	142824	PF 8537		MS 7851/2*PF 782021	BRA	LINE FROM P. FUNDO (RS).
	141054	PF 85371		IAS 54*4/AGENT//IAS 55*4/EAGLE/5/IAS 55*4/ KHAPLI/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	177717	PF 85372		IAS 55*4/AGENT//IAS 55*4/EAGLE/5/IAS 55*4/ KHAPLI/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	177725	PF 85373		IAS 55*4/AGENT//IAS 55*4/EAGLE/5/IAS 55*4/ KHAPLI/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	177733	PF 85376		IAS 55*4/AGENT//IAS 55*4/EAGLE/5/IAS 55*4/ KHAPLI/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MIDEW.
	143065	PF 85385		IAS 55*4/KHAPLI/8*CHANCELLOR//IAS 55*4/ ALONDRA SIB/4/IAS 55*4/KHAPLI/8* CHANCELLOR//IAS 55*4/AGENT	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142841	PF 8540		JUPATECO F 73/3*IAC 5-MARINGA//2*PF 782023	BRA	LINE FROM P. FUNDO (RS).
	164224	PF 85409		IAS 55*6/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	143251	PF 85414		IAS 58*6//IAS 55*4/AGENT	BRA	LINE FROM P. FUNDO (RS).
	159646	PF 85415		IAS 58*4//IAS 55*4/AGENT	BRA	LINE FROM P. FUNDO (RS).
	143031	PF 85417		IAS 58/4/KALYANSONA/BLUEBIRD//CAJEME SIB/3/ ALONDRA SIB/5/JURES	BRA	LINE FROM P. FUNDO (RS).
	142867	PF 8542		PF 782023*2/MS 7851	BRA	LINE FROM P. FUNDO (RS).
	143235	PF 85421		IAS 58*6//PARAGUAY 214*4/EAGLE/3/IAS 58*6/ ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	142930	PF 85422		IAS 58*6//PARAGUAY 214*4/EAGLE	BRA	LINE FROM P. FUNDO (RS).
	159654	PF 85434		IAS 55*4/KHAPLI/8*CHANCELLOR//IAS 55*4/ ALONDRA SIB/3/IAS 55*4/KHAPLI/ 8* CHANCELLOR//IAS 55*4/AGENT	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	173525	PF 85440		IAC 5*2//LONDRINA *2//NYU BAY	BRA	LINE FROM P. FUNDO (RS).
	195456	PF 85444		IAC 5*6/RL 6016	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	195464	PF 85445		IAC 5*6/RL 6016	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	195472	PF 85446		IAC 5*6/RL 6016	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.



BRA ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
195481	PF 85447		IAC 5*6/RL 6016	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195499	PF 85448		IAC 5*6/RL 6016	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195502	PF 85449		IAC 5*6/RL 6016	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
141143	PF 8545		FB 6632/2*IAS 58	BRA	LINE FROM P. FUNDO (RS).
195511	PF 85450		IAC 5*6/RL 6016	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195529	PF 85451		IAC 5*6/RL 6016	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
143227	PF 85456		LONDRINA*6/AFRICA 43	BRA	LINE FROM P. FUNDO (RS).
142956	PF 85462		LONDRINA*5/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
143171	PF 85464		LONDRINA*6/CI 12633	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
143081	PF 85470		LONDRINA*6/TGS 39-69-6-1-1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
143260	PF 85473		LONDRINA*6/TGS 39/79/7/7/3	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
195537	PF 85474		LONDRINA*6/TGS 39/79/7/7/3	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
143022	PF 85481		LONDRINA*5/TJB 409/1088	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
143243	PF 85483		LONDRINA*6/TW 256/44/4/8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
195545	PF 85484		LONDRINA*4/KENYA LEOPARD	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	143006	PF 85485		LONDRINA*4/KENYA LEOPARD	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	143219	PF 85486		LONDRINA*3/KLEIN LUCERO	BRA	LINE FROM P. FUNDO (RS).
	140996	PF 85487		LONDRINA*6/KAVKAZ//LONDRINA*6/AGENT/3/ LONDRINA*6/KAVKAZ//LONDRINA*6/ WEIHENSTEPHAN M.1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142999	PF 85489		LONDRINA*6/KAVKAZ//LONDRINA*6/AGENT/3/ LONDRINA*6/KAVKAZ//LONDRINA*6/ WEIHENSTEPHAN M.1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	142883	PF 8549		PF 772003*3//CNT 8*3/SONORA 64	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	143189	PF 85490		LONDRINA*6/KAVKAZ//LONDRINA*6/AGENT/3/ LONDRINA*6/KAVKAZ//LONDRINA*6/ WEIHENSTEPHAN M.1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178233	PF 85491		LONDRINA*6/KAVKAZ//LONDRINA*6/AGENT/3/ LONDRINA*6/KAVKAZ//LONDRINA*6/ WEIHENSTEPHAN M.1	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195553	PF 85499		LONDRINA*5/PI 181337	BRA	LINE FROM P. FUNDO (RS).
	143502	PF 855		ALONDRA SIB/4*BH 1146	BRA	LINE FROM P. FUNDO (RS).
	142972	PF 85500		LONDRINA*6/WEIHENSTEPHAN M.1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195561	PF 85511		NOBRE*7/AGENT	BRA	LINE FROM P. FUNDO (RS).
	173533	PF 85512		NOBRE*3/AGENT//NOBRE*3/ALONDRA SIB/3/ NOBRE*3/ALONDRA SIB//NOBRE*2/ PEKING 8	BRA	LINE FROM P. FUNDO (RS).
	173541	PF 85513		NOBRE*3/AGENT//NOBRE*3/ALONDRA SIB/3/ NOBRE*3/ALONDRA SIB//NOBRE*2/ PEKING 8	BRA	LINE FROM P. FUNDO (RS).
	173550	PF 85516		NOBRE*3/AGENT//NOBRE*3/ALONDRA SIB/3/ NOBRE*3/ALONDRA SIB//NOBRE*2/ PEKING 8	BRA	LINE FROM P. FUNDO (RS).
	178250	PF 85520		NOBRE*6/AGENT//NOBRE*4//KHAPLI/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195570	PF 85523		NOBRE*6/AGENT//NOBRE*5/WEIHENSTEPHAN M.1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	173517	PF 85537		NOBRE*4/RL 6044	BRA	LINE FROM P. FUNDO (RS).
	143201	PF 85539		NOBRE*6/TRANSEC	BRA	LINE FROM P. FUNDO (RS).
	195588	PF 85547		NOBRE*2/TOROPI	BRA	LINE FROM P. FUNDO (RS).

BRA	ACC Nº	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	143111	PF 85551		PF 70354/ALONDRA SIB//IAC 5/ALDAN SIB	BRA	LINE FROM P. FUNDO (RS).
	143308	PF 85565		BH 1146*2/SULLIVAN	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195596	PF 85581		IAC 5*6/CI 15243	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	170160	PF 85587		JUPATECO F 73*5//IAC 5*4/CI 15243	BRA	LINE FROM P. FUNDO (RS).
	195600	PF 85595		JUPATECO 73*5//IAC 5*4/CI 15243	BRA	LINE FROM P. FUNDO (RS).
	195618	PF 85599		JUPATECO F 73*4/RL 6010	BRA	LINE FROM P. FUNDO (RS).
	142794	PF 856		PF 6632/TRIGO BR 3	BRA	LINE FROM P. FUNDO (RS).
	160750	PF 8560		PF 772003*3//CNT 8*3/SONORA 64	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195626	PF 85600		JUPATECO F 73*4/RL 6010	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	143057	PF 85604		LONDRINA *6/PARANA PRECOZ INTA	BRA	LINE FROM P. FUNDO (RS).
	142891	PF 8561		CNT 8/BASTION//F 5530	BRA	LINE FROM P. FUNDO (RS).
	195634	PF 85619		JUPATECO F 73*6/RL 6010	BRA	LINE FROM P. FUNDO (RS).
	170178	PF 85620		JUPATECO F 73*6/RL 6010	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	170186	PF 85622		JUPATECO F 73*5/RL 6010	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 2* 7+9 5+ 10/1,5 13+ 16 5+ 10,
	170194	PF 85623		JUPATECO F 73*5/RL 6010	BRA	LINE FROM P. FUNDO (RS).
	174238	PF 85628		JUPATECO F 73*4/RL 6010	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	160768	PF 8563		JACUI*3/JUPATECO F 73	BRA	LINE FROM P. FUNDO (RS).
	159662	PF 85631		JUPATECO F 73*6//LAGOA VERMELHA*5/AGATHA	BRA	LINE FROM P. FUNDO (RS).
	195642	PF 85632		JUPATECO F 73*5//LAGOA VERMELHA*5/AGATHA	BRA	LINE FROM P. FUNDO (RS).
	170208	PF 85633		JUPATECO F 73*5//LAGOA VERMELHA*5/AGATHA	BRA	LINE FROM P. FUNDO (RS).
	170216	PF 85636		JUPATECO F 73*5//LAGOA VERMELHA*5/AGATHA	BRA	LINE FROM P. FUNDO (RS).
	170224	PF 85637		JUPATECO F 73*5//LAGOA VERMELHA*5/AGATHA	BRA	LINE FROM P. FUNDO (RS).
	170232	PF 85674		JUPATECO F 73*4//IAS 55*5/AGENT	BRA	LINE FROM P. FUNDO (RS).
	170241	PF 85675		JUPATECO F 73*4//IAS 55*5/AGENT	BRA	LINE FROM P. FUNDO (RS).
	170259	PF 85676		JUPARECO F 73*4//IAS 55*5/AGENT	BRA	LINE FROM P. FUNDO (RS).
	170267	PF 85679		JUPATECO F 73*3//IAS 55*5/AGENT	BRA	LINE FROM P. FUNDO (RS).
	160776	PF 8568		ITALIAN/2*JACUI	BRA	LINE FROM P. FUNDO (RS).

BRA					
ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
173894	PF 85689		TUCUNDUVA 2-78*4/AMIGO	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
170275	PF 85711		JUPATECO F 73*4//IAS 55*5/AGENT	BRA	LINE FROM P. FUNDO (RS).
160784	PF 8573		FB 6632/2*IAS 58	BRA	LINE FROM P. FUNDO (RS).
143511	PF 85733		NOBRE*2/WAGGA WAGGA 9941	BRA	LINE FROM P. FUNDO (RS).
195651	PF 85734		IAC 5*6/CI 15243	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195669	PF 85735		IAC 5*6/CI 15243	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195677	PF 85736		IAC 5*6/CI 15243	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195685	PF 85737		IAC 5*6/CI 15243	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195693	PF 85738		IAC 5*6/CI 15243	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195707	PF 85739		IAC 5*6/CI 15243	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195715	PF 85740		IAC 5*6/CI 15243	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195723	PF 85741		IAC 5*6/CI 15243	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195731	PF 85743		IAC 5*7/AGATHA	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195740	PF 85747		JUPATECO F 73*6//IAC 5*4/CI 15243	BRA	LINE FROM P. FUNDO (RS).
195758	PF 85757		JUPATECO F 73*4//IAC 5*4/CI 15243	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
195766	PF 85766		JUPATECO F 73*4/RL 6010	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	195774	PF 85772		JUPATECO F 73*5/RL 6010/3/IAC 5*5/ AGENT/ /4*JUPATECO F 73	BRA	LINE FROM P. FUNDO (RS).
	195782	PF 85773		JUPATECO F 73*5/RL 6010/3/IAS 55*5/ AGENT/ /4*JUPATECO F 73	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	178268	PF 85775		CNT 1*6/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	178276	PF 85781		CNT 1*6/ALONDRA SIB	BRA	LINE FROM P. FUNDO (RS).
	178284	PF 85796		TIFTON/IAS 63	BRA	LINE FROM P. FUNDO (RS).
	159506	PF 858		ALONDRA SIB/4*BH 1146	BRA	LINE FROM P. FUNDO (RS).
	178292	PF 85801		TIFTON/IAS 63	BRA	LINE FROM P. FUNDO (RS).
	159671	PF 85807		TIFTON/IAS 63	BRA	LINE FROM P. FUNDO (RS).
	178306	PF 85811		TIFTON/C 33	BRA	LINE FROM P. FUNDO (RS).
	195791	PF 85815		TIFTON/C 33	BRA	LINE FROM P. FUNDO (RS).
	195804	PF 85817		TIFTON/IAS 58	BRA	LINE FROM P. FUNDO (RS).
	159531	PF 8582		RC 7201/TRIGO BR 2//IAS 58	BRA	LINE FROM P. FUNDO (RS).
	195812	PF 85824		TIFTON/IAS 58	BRA	LINE FROM P. FUNDO (RS).
	178314	PF 85829		TIFTON/IAS 58	BRA	LINE FROM P. FUNDO (RS).
	178322	PF 85841		PARAGUAY 77-5437//CNT 8/4/LONDRINA/ALONDRA SIB//NOBRE/5/JACUI	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195821	PF 85845		MAZOE/8/LONDRINA*2/ALONDRA SIB/7/ TOROPI/4/ TEZANOS PINTO PRECOZ/ SONORA 64//NAPO/5/ PF 6968/6/ HADDEN/JACUI/9/PELADO MARAU	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195839	PF 85847		LONDRINA*2/ALONDRA SIB//2*HADDEN/7/ALVAREZ 110/2*IAS 54/6/TOROPI/4/TEZANOS PINTO PRECOZ/SONORA 64/ NAPO/3/CIANO/5/PF 696	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	173568	PF 859002		NO8EOKA BOZU/3*LONDRINA	BRA	LINE FROM P. FUNDO (RS).
	173576	PF 859004		LONDRINA*3/ABURA	BRA	LINE FROM P. FUNDO (RS).
	173584	PF 859006		LONDRINA*3/ABURA	BRA	LINE FROM P. FUNDO (RS).
	173592	PF 859008		CNT 10//LONDRINA*3/NYU BAY	BRA	LINE FROM P. FUNDO (RS).
	173606	PF 859011		CNT 10//LONDRINA*3/NYU BAY	BRA	LINE FROM P. FUNDO (RS).
	173614	PF 859012		CNT 10//LONDRINA*3/NYU BAY	BRA	LINE FROM P. FUNDO (RS).
	173622	PF 859018		LONDRINA *3/PEL 73081	BRA	LINE FROM P. FUNDO (RS).
	178331	PF 85902		LONDRINA*2/OASIS	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	173631	PF 859022		LONDRINA*3/PEKING 8	BRA	LINE FROM P. FUNDO (RS).
	173649	PF 859028		LONDRINA*3/PEKING 8	BRA	LINE FROM P. FUNDO (RS).
	173657	PF 859029		LONDRINA*3/PEKING 8	BRA	LINE FROM P. FUNDO (RS).
	173665	PF 859030		LONDRINA*3/PEKING 8	BRA	LINE FROM P. FUNDO (RS).

BRA	ACC Nº	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	173673	PF 859031		LONDRINA*3/PEKING 8	BRA	LINE FROM P. FUNDO (RS).
	173681	PF 859074		IAC 5*2//LONDRINA*3/NOBEOKA BOZU	BRA	LINE FROM P. FUNDO (RS).
	173690	PF 859090		NOBEOKA BOZU/6*LONDRINA	BRA	LINE FROM P. FUNDO (RS).
	173703	PF 859107		LONDRINA*3/ABURA	BRA	LINE FROM P. FUNDO (RS).
	173711	PF 859109		LONDRINA*3/ABURA	BRA	LINE FROM P. FUNDO (RS).
	195847	PF 859112		LONDRINA*3/ABURA	BRA	LINE FROM P. FUNDO (RS).
	173720	PF 859113		CNT 10//LONDRINA*3/NYU BAY	BRA	LINE FROM P. FUNDO (RS).
	159689	PF 859114		CNT 10//LONDRINA*3/NYU BAY	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	173746	PF 859115		CNT 10//LONDRINA*3/NYU BAY	BRA	LINE FROM P. FUNDO.
	173754	PF 859116		CNT 10//LONDRINA*3/NYU BAY	BRA	LINE FROM P. FUNDO (RS).
	173762	PF 859117		CNT 10//LONDRINA*3/NYU BAY	BRA	LINE FROM P. FUNDO (RS).
	173771	PF 859118		CNT 10//LONDRINA*3/NYU BAY	BRA	LINE FROM P. FUNDO (RS).
	173789	PF 859127		LONDRINA*3/PEL 73081	BRA	LINE FROM P. FUNDO (RS).
	173797	PF 859134		LONDRINA*3/PEL 73081	BRA	LINE FROM P. FUNDO (RS).
	173801	PF 859139		LONDRINA*3/PEL 73081	BRA	LINE FROM P. FUNDO (RS).
	173819	PF 859140		LONDRINA*3/PEL 73081	BRA	LINE FROM P. FUNDO (RS).
	173827	PF 859142		LONDRINA*3/PF 73081	BRA	LINE FROM P. FUNDO (RS).
	173835	PF 859143		LONDRINA*3/PEL 73081	BRA	LINE FROM P. FUNDO (RS).
	173843	PF 859146		LONDRINA*3/PEL 73081	BRA	LINE FROM P. FUNDO (RS).
	173851	PF 859147		LONDRINA*3/PEL 73081	BRA	LINE FROM P. FUNDO (RS).
	173860	PF 859149		LONDRINA*3/PEL 73081	BRA	LINE FROM P. FUNDO (RS).
	173878	PF 859171		NOBRE*3/NOBEOKA BOZU	BRA	LINE FROM P. FUNDO (RS).
	173886	PF 859172		NOBRE*3/NOBEOKA BOZU	BRA	LINE FROM P. FUNDO (RS).
	174254	PF 859173		NOBRE*3/NOBEOKA BOZU	BRA	LINE FROM P. FUNDO (RS).
	160792	PF 8592		CNT 10/RC 7205//2* PF 782021	BRA	LINE FROM P. FUNDO (RS).
	143014	PF 859215		CNT 10*6//LAGOA VERMELHA*5/AGATHA/ 3/CNT 10*6//LONDRINA*3/HALLE STAMM 13471	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	155381	PF 859232		LONDRINA*6/KAVKAZ//LONDRINA*6/RL 6043/3/ LONDRINA*6/PARANA PRECOZ INTA/ /LONDRINA*7/HALLE STAMM 13471	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178349	PF 859238		LONDRINA*6/KAVKAZ//LONDRINA*6/AGENT/3/ LONDRINA*6/KAVKAZ//LONDRINA*6/ WEIHENSTEPHAN M. 1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW. HMW GLUT 1 7+8 2+12.
	178365	PF 859241		LONDRINA*6/KAVKAZ//LONDRINA*6/AGENT/3/ LONDRINA*6/KAVKAZ//LONDRINA*6/ WEIHENSTEPHAN M. 1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	178241	PF 859244		LONDRINA*6/KAVKAZ//LONDRINA*6/AGENT/3/ LONDRINA*6/KAVKAZ//LONDRINA*6/ WEIHENSTEPHAN M.1	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178373	PF 859246		LONDRINA*6/KAVKAZ//LONDRINA*6/AGENT /3/ LONDRINA*6/KAVKAZ//LONDRINA*6/ WEIHENSTEPHAN M.1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	159719	PF 859248		LONDRINA*6/KAVKAZ//LONDRINA*6/AGENT/3/ LONDRINA*6/KAVKAZ//LONDRINA*6/ WEIHENSTEPHAN M.1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195855	PF 859251		LONDRINA*6/KAVKAZ//LONDRINA*6/AGENT/3/ LONDRINA*6/KAVKAZ//LONDRINA*6/ WEIHENSTEPHAN M.1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178357	PF 859253		LONDRINA*6/KAVKAZ//LONDRINA*6/AGENT/3/ LONDRINA*6/WEIHENSTEPHAN M.1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	155390	PF 859255		LONDRINA*6/KAVKAZ//LONDRINA*6/AGENT/3/ LONDRINA*6/KAVKAZ//LONDRINA*6/ WEIHENSTEPHAN M.1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195871	PF 859258		JUPATECO 73*5/RL 6010	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	170283	PF 859259		JUPATECO 73*5/RL 6010	BRA	LINE FROM P. FUNDO (RS).
	170291	PF 859261		JUPATECO 73*5//LAGOA VERMELHA*5/AGATHA	BRA	LINE FROM P. FUNDO (RS).
	170305	PF 859262		JUPATECO 73*5//LAGOA VERMELHA*5/AGATHA	BRA	LINE FROM P. FUNDO (RS).
	143103	PF 8596		CNT 10//ITALIAN//PF 782021	BRA	LINE FROM P. FUNDO (RS).
	160809	PF 8597		CNT 9*2/PF 7614//CNT 10/3/2*PF 782021	BRA	LINE FROM P. FUNDO (RS).
	195880	PF 86005		IAC 5*6/AGENT	BRA	LINE FROM P. FUNDO (RS).
	195898	PF 86006		IAC 5*6/AGENT	BRA	LINE FROM P. FUNDO (RS).
	151301	PF 8610		BR 5/3//IAS 52/SOLO/JUPATECO F 73/4/ TRIGO BR 8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	177768	PF 86113		OASIS/LONDRINA//PEL 73101/PF 7727	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	177806	PF 86152		AMIGO/JACUI//ALONDRA SIB//IAS 58	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	177814	PF 86178		OASIS/COPAIN//ALONDRA SIB//IAS 58	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MIDEW.

BRA ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
178390	PF 8622		IAS 54*3/NYU BAY//CNT 9/3/CEP 7780/AMIGO P	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
177822	PF 86231		AMIGO/COPAIN//PF 7673/PEL 73081	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
195901	PF 86233		HULHA NEGRA/CNT 7//AMIGO/CNT 7	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
177831	PF 86234		HULHA NEGRA/CNT 7//AMIGO/CNT 7	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
177849	PF 86235		HULHA NEGRA/CNT 7//AMIGO/CNT 7	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
178179	PF 86236		HULHA NEGRA/CNT 7//AMIGO/CNT 7	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
177857	PF 86237		HULHA NEGRA/CNT 7//AMIGO/CNT 7	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
177865	PF 86239		HULHA NEGRA/CNT 7//AMIGO/CNT 7	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
177873	PF 86240		HULHA NEGRA/CNT 7//AMIGO/CNT 7	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
177881	PF 86241		HULHA NEGRA/CNT 7//AMIGO/CNT 7	BRA	OLINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW
195910	PF 86257		HULHA NEGRA/CNT 7//AMIGO/CNT 7	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
172804	PF 86368		LONDRINA*6/KAVKAZ//LONDRINA*6/TW 256/44/4/8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESIOSTANCE TO POWDERY MIDEW.
195928	PF 86422		JUPATECO 73*5/AMIGO	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.



BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	195936	PF 86438		JUPATECO 73*5/RL 6010	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	195944	PF 86474		BH 1146/3/BH 1146*6/ALONDRA SIB//CNT 8*4/ KOLIBRI	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195952	PF 86483		CNT 8*6/KOLIBRI	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195961	PF 86525		IAC 5*6/CI 15243//IAC 5*6/AGATHA	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	178403	PF 86559		CNT 8*6//IAS 55*4/KHAPLI/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	195979	PF 86620		W 238 = ARTHUR. TYPE; FC/TRANSFER/BULGARIA 88	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	159832	PF 86661		PF 70354*4/KHAPLI/8*CHANCELLOR//LONDRINA*5/ KAVKAZ/4/LONDRINA*4/ PARANA PRECOZ INTA/ /TIFTON/3/CNT 7*4/YUMA/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178187	PF 86693		PF 70354*4/KHAPLI/8*CHANCELLOR//LONDRINA*5/ KAVKAZ/3/CNT 7*5/YUMA/ 8*CCE//PARAGUAY 214*5/PARANA PRECOZ INTA/PF 79791	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	159841	PF 86720		F 5530/PF 7668//PF 79764	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	178209	PF 86773		PEWEE SIB//PF 7658/TRIGO BR 5	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	195987	PF 869009		IAC 5*6/AGENT	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	159905	PF 869081		F 20585/F 16955//F 22495/COKER 76-35	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MIDEW.
	159913	PF 869083		LONDRINA*2/OASIS	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	159948	PF 869120		PF 83743/5/PF 83182/4/CNT 10*4/LAGOA VERMELHA*5/AGATHA/3/LONDRINA*4/AGENT/ /LONDRINA*3/NYU BAY	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	195995	PF 869149		TRIGO BR 12*2/3/JUPATECO F 73//PARAGUAY 214*6/TW 275-7-6-10-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196002	PF 869155		TRIGO BR 12*2/3/JUPATECO F 73//PARAGUAY 214*6/TW 275-7-6-10-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
	196011	PF 869185		TRIGO BR 12*3/4/IAS 55*4/KHAPLI/ 8*CHANCELLOR/ 3/IAS 55*4/EAGLE//.....	BRA	LINE FROM P.FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196029	PF 87103		SL 5200/PAT 7219//TIFTON	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	160091	PF 87107		ENCRUZILHADA/PF 79768//PF 80284	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	196037	PF 87116		ENCRUZILHADA/PF 79768//PF 80284	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196045	PF 87120		JACUI/TIFTON SEL//OASIS/SANTIAGO	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196053	PF 87149		KENYA LEOPARD/2*IAS 55//NYU BAY/3*LONDRINA/ 3/RC 7201/BR 2//ALONDRA SIB/2*JACUI	BRA	LINE FROM P. FUNDO. SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178489	PF 87156		PF 79547//AMIGO/PAT 7219	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178519	PF 87175		PF 70354*4//KAPLI/8*CHANCELLOR/3/LONDRINA*5/ KAVKAZ/4/LONDRINA*4/ PARANA PRECOZ INTA/TIFTON/3/CNT 7*4//YUMA/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178527	PF 87176		PF 70354*4//KAPLI/8*CHANCELLOR/3/LONDRINA*5/ KAVKAZ/4/LONDRINA*4/ PARANA PRECOZ INTA/TIFTON/3/CNT 7*4//YUMA/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178870	PF 87179		PF 70354*4//KAPLI/8*CHANCELLOR/3/LONDRINA*5/ KAVKAZ/4/LONDRINA*4/ PARANA PRECOZ INTA/TIFTON/3/CNT 7*4//YUMA/8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	173096	PF 87211		TRIGO BR 12*2/3/JUPATECO F 73//PARAGUAY 214*6/TW 275-7-6-10-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196061	PF 87279		JUPATECO F 73*6/RL 6010//JUPATECO F 73*6/KITE	BRA	ADVANCED LINE FROM P. FUNDO (RS).

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	196070	PF 87301		JUPATECO F 73*5/RL 6010/3/IAS 55*5/ AGENT/ /4*JUPATECO F 73/4/JUPATECO F 73*5/RL 6010/ /JUPATECO F 73*5/KITE	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	196088	PF 8732		PF 839087//BH 1146/COKER 762	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196096	PF 87338		COKER 762/CEP 14	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196100	PF 87341		CNT 8*6/KOLIBRI/3/CNT 8*6/NEEPAWA*6/RL 4137	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
	196118	PF 87342		CNT 8*6/KOLIBRI/3/CNT 8*6/NEEPAWA*6/RL 4137	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	197394	PF 8735		PF 839087//BH 1146/COKER 762	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178535	PF 87354		TRIGO BR 14*2//LONDRINA*6/TGS 39-79-7-7-3	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178543	PF 87355		TRIGO BR 14*2//LONDRINA*6/TGS 39-79-7-7-3	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196126	PF 87356		TRIGO BR 14*2//LONDRINA*5/TW 256-44-4-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	173134	PF 87378		IAC 5*3/3/CNT 773/LONDRINA//IAC 5/ HADDEN	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
	193134	PF 87408		CNT 10*5/ST 1/3/CNT 10*6/ /LONDRINA*3/HALLE STAMM 13471	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	173142	PF 87451		COKER 762/PF 79767	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	160130	PF 87452		COKER 762/PF 79767	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196142	PF 87453		COKER 762/PF 79767	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178551	PF 87454		COKER 762/CEP 14	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	160148	PF 87456		COKER 762/CEP 14	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178578	PF 87458		COKER 762/CEP 14	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178586	PF 87473		SULLIVAN/PF 79791	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178594	PF 87474		SULLIVAN/PF 79791	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196169	PF 87504		PF 83943/5/PF 83182/4/CNT 10*4//LAGOA VERMELHA*5/AGATHA/3/LONDRINA*4/AGENT// LONDRINA*3/NYU BAY	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	196177	PF 87517		TRIGO BR 14*3//LONDRINA*6/TGS 39-79-7-7-3	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	160164	PF 87518		TRIGO BR 14*3//LONDRINA*6/TGS 39-79-7-7-3	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196185	PF 87549		TRIGO BR 14*4/3/BH 1146*6/ALONDRA SIB/ /PARAGUAY 214*6/TW 275-7-6-10-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
	160172	PF 87563		TRIGO BR 14*4//LONDRINA*6/KHAPLI/ 8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196193	PF 87565		TRIGO BR 14*3//LONDRINA*6/KHAPLI/ 8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	196207	PF 87650		BH 1146*4//IAS 55*5//AGENT/3/PF 839087	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196215	PF 87751		JUPATECO F 73*6/AMIGO	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196223	PF 87863		JUPATECO F 73*3/CNT 1	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 7+8 2+12.
	178713	PF 87871		COKER 762/TRIGO BR 14	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196231	PF 87872		COKER 762/TRIGO BR 14	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178721	PF 87873		SULLIVAN/TRIGO BR 14	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	173215	PF 87879		TRIGO BR 14*3//LONDRINA*6/TGS 39-79-7-7-3	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178730	PF 87880		TRIGO BR 14*3//LONDRINA*6/TGS 39-79-7-7-3	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178748	PF 87881		TRIGO BR 14*2//LONDRINA*6/TGS 39-79-7-7-3	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178756	PF 87887		TRIGO BR 14*4/3/BH 1146*6/ALONDRA SIB//PARAGUAY 214*6/TW 275-7-6-10-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196240	PF 87889		TRIGO BR 14*4/3/BH 1146*6/ALONDRA SIB//PARAGUAY 214*6/TW 275-7-6-10-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
	178764	PF 87893		TRIGO BR 14*4/3/LONDRINA*6//KHAPLI/ 8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178772	PF 87896		TRIGO BR 14*4/3/LONDRINA*6//KHAPLI/ 8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	196258	PF 87898		TRIGO BR 14*3/3/LONDRINA*6//KHAPLI/8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196266	PF 87903		TRIGO BR 14*3/3/LONDRINA*6//KHAPLI/8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178799	PF 87904		TRIGO BR 14*3/3/LONDRINA*6//KHAPLI/8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	178802	PF 87906		TRIGO BR 14*3/3/CNT 8*5//LONDRINA*3/CI 12633	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196274	PF 87913		PF 83144*2//IAC 5*6/CI 15243/4/IAS 20/ CMH 71.567//IAS 20/3/3*IAC 5	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196282	PF 87927		IAS 55*6/ALONDRA SIB/3/IAS 55*2//LONDRINA*5/ HALLE STAMM 13471	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196291	PF 87930		IAS 55*6//KHAPLI/8*CHANCELLOR//PF 83323	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196304	PF 87931		IAS 55*6//KHAPLI/8*CHANCELLOR//PF 83323	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196312	PF 87948		TRIGO BR 12*3/3/TRIGO BR 14//LONDRINA*6/TGS 39- 79-7-7-3	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196321	PF 87970		TRIGO BR 14*2/3/CNT 8*5//LONDRINA*3/ CI 12633	BRA	LINE FROM P. FUNDO. SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196339	PF 87994		TRIGO BR 12*2/3/JUPATECO F 73//PARAGUAY 214*6/TW 275-7-6-10-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196347	PF 88129		TRIGO BR 10*3/3/JUPATECO F 73*2//PARAGUAY 214*4/TW 275-7-6-10-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196363	PF 88501		PF 7815/LAP 689//PF 7815/PF 80278	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	196371	PF 88513		LAP 689/2* <i>CNT 10</i> //PF 79777	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	173266	PF 88515		SULLIVAN/PF 79777	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	173274	PF 88521		COTIPORA/Delta QUEEN//PF 79782	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196380	PF 88522		MINUANO 82/PF 79777//OASIS/JACUI	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
	196398	PF 88536		COKER 762/MINUANO 82	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196401	PF 88543		PEL 73101/TRIGO BR 5//PF 79777/OASIS	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196410	PF 88566		AMIGO/JACUI//PF 7673/CANDIOTA	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196428	PF 88600		ENCRUZILHADA//PF 80284	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO LEAF RUST.
	196436	PF 88603		TIFTON SEL/PF 79763/3/NOBEOKA BOZU/ 3*LONDRINA//B 7908	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	173355	PF 88642		IAS 52/SOLO//JUPATECO 73/3/4* <i>CNT 10</i>	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196444	PF 88691		BH 1146*6//LAGOA VERMELHA*5/CHINESE/ AEGILOPS UMBELLULATA/5/BH 1146/3/BH 1146*6/ALONDRA SIB// <i>CNT 8</i> *4/KGLIBRI	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196452	PF 88709		COKER 762/TRIGO BR 14	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196461	PF 8874		PF 8390*2/4/PF 82225/3/BH 1146*2//PARAGUAY 214*6/TW 275-7-6-10-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	196479	PF 88759		JUPATECO F 73*5/RL 6010	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196487	PF 88816		BH 1146*4//LONDRINA*3/KLEIN LUCERO	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196495	PF 889199		PF 839197/5/F 16946/3/NYU BAY*2/ /LONDRINA*2/ALONDRA SIB/4/F 16955	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196509	PF 889268		TRIGO BR 14*4//LONDRINA*6/TGS 39/69/6/1/1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196517	PF 889273		TRIGO BR 14*5/3/BH 1146*6/ALONDRA SIB/ /PARAGUAY 214*6/TW 275-7-6-10-8	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196525	PF 889279		TRIGO BR 14*6/3/LONDRINA*6//KHAPLI/ 8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW, LEAF RUST AND FALLING NUMBER.
	197408	PF 889280		TRIGO BR 14*6/3/LONDRINA*6//KHAPLI/8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
	196533	PF 889283		TRIGO BR 14*5/3/LONDRINA*6//KHAPLI/8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
	196541	PF 889300		TRIGO BR 35//COKER 762/IAC 5	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
	196550	PF 891		CEP 14/PF 79782//CEP 14	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
	196568	PF 89106		PF 79583/CEP 14	BRA	LINE FROM P. FUNDO (RS).
	196576	PF 89110		TRIGO BR 27/PF 79782	BRA	LINE FROM P. FUNDO (RS).
	196584	PF 89119		CEP 14/PF 79782//CEP 14	BRA	LINE FROM P. FUNDO (RS).
	196592	PF 89122		PF 839278/MINUANO 82//PF 839278/PF 79547	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196606	PF 89141		COKER 762/PF 81172//PF 79782	BRA	LINE FROM P. FUNDO (RS).



BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	196614	PF 89156		SULLIVAN/PF 79777	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW, LEAF RUST AND SCAB.
	196622	PF 89166		ENCRUZILHADA/PF 79768//PF 80284	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196631	PF 89230		COKER 762/2*PF 75547	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
	196649	PF 89375		TRIGO BR 14*4//JUPATECO F 73*4/AMIGO SEL	BRA	ADVANCED LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196657	PF 89422		CNT 10*5/ST1/4/CNT 10*6/3/IAS 54-21*2//KHAPLI/ 8*CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196665	PF 89427		CEP 11*2/3/BH 1146*2//JUPATECO F 73*3/AMIGO SEL	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196673	PF 89468		TRIGO BR 14*4/3/LONDRINA*6//KHAPLI/8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196681	PF 89473		TRIGO BR 14*5/3/LONDRINA*6//KHAPLI/8* CHANCELLOR	BRA	LINE FROM P. FUNDO (RS). HMW GLUT N 17 + 18 2 + 12.
	196690	PF 89514		TRIGO BR 10*3//LONDRINA*6/TGS 39/69/6/1/1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196703	PF 89561		JUPATECO F 73*4/PFS 801	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 1 13 + 16 5 + 10.
	196711	PF 898		DELTA QUEEN/PAT 7392//PF 79782	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196720	PF 90132		VS 73/4*CNT 1	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO SCAB.
	196738	PF 90381		TRIGO BR 35/6/PF 8461/5/CASTAN*2/4/IAS 55*4/ AGENT//IAS 55*/WRT 238-5/3/NOBEOKA BOZU/5*LONDRINA	BRA	LINE FROM P. FUNDO (RS). HMW GLUT 12.8/N 7 + 8 2.2 + 12.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	196746	PF 904		TRIGO BR 35/PF 84386//AMIGO/TRIGO BR 14	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW AND LEAF RUST.
	196754	PF 9099		PF 82252/TRIGO BR 35//IA 7998/PF 8550	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196762	PF 91204		PF 83899/PF 813/6/PF 83743/5/PF 83182/4/ CNT 10*4//LAGOA VERMELHA*5/ AGATHA/3/ LONDRINA*4/AGENT//LONDRINA*3/NYU BAY	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196771	PF 91205		PF 83899/PF 813/6/PF 83743/5/PF 83182/4/ CNT 10*4//LAGOA VERMELHA*5/ AGATHA/3/ LONDRINA*4/AGENT//LONDRINA*3/NYU BAY	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196789	PF 91594		TRIGO BR 35*5//TRIGO BR 14*2/LARGO	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196797	PF 91595		TRIGO BR 35*3//TRIGO BR 14*2/LARGO	BRA	LINE FROM P. FUNDO (RS). SOURCE OF RESISTANCE TO POWDERY MILDEW.
	196801	PF 9198		PF 82252/TRIGO BR 35//IAPAR 17/PF 8550	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196819	PF 9199		PF 82252/TRIGO BR 35//IAPAR 17/PF 8550	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	197416	PF 9293		PF 83899/PF 813//EMBRAPA 27 SIB	BRA	ADVANCED LINE FROM P. FUNDO (RS).
	196827	PF 939001 R		PF 79583/CEP 14	BRA	LINE FROM P. FUNDO (RS). NEAR- ISOGENIC LINE TO POWDERY MILDEW.
	196835	PF 939002 S		PF 79583/CEP 14	BRA	LINE FROM P. FUNDO (RS). NEAR- ISOGENIC LINE TO POWDERY MILDEW.
	196843	PF 939003 R		TRIGO BR 24/CEP 11	BRA	LINE FROM P. FUNDO (RS). NEAR- ISOGENIC LINE TO POWDERY MILDEW.
	196851	PF 939004 S		TRIGO BR 24/CEP 11	BRA	LINE FROM P. FUNDO (RS). NEAR- ISOGENIC LINE TO POWDERY MILDEW.
	196860	PF 939007 R		OASIS/PF 79782//TRIGO BR 8	BRA	LINE FROM P. FUNDO (RS). NEAR- ISOGENIC LINE TO POWDERY MILDEW.

BRA ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
196878	PF 939008 S		OASIS/PF 79782//TRIGO BR 8	BRA	LINE FROM P. FUNDO (RS). NEAR-ISOGENIC LINE TO POWDERY MILDEW.
028932	PG 1		POLYSSU SEL	BRA	RELEASED IN (NO INFORMATION)-PR, RS, SC. R TO HSSAL. HMW GLUT N 7+8 2+12.
160199	PG 8499		TIFTON/MASCARENHAS	BRA	ADVANCED LINE FROM P. GROSSA (PR).
155438	PINHAL GRANDE			BRA	LANDRACE FROM SOUTHERN BRAZIL.
196886	PITANA		PETIBLANCO/FLOREANA	BRA	CULTIVAR FROM RS. MS TO HSSAL. HMW GLUT N 7+8 2+12.
043931	PITIC 62		YAKTANA 54//NORIN 10/BREVOR 26-1C	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1972-PR,SP.
155454	PITOCO PELADO			BRA	LANDRACE FROM SOUTHERN BRAZIL.
155462	PLANALTO	H 31-5-15	S 44-27/VILMORIN 23//ROXO	BRA	RELEASED IN 1944-RS,PR.
164330	PLANALTO (DIV 3965)		S 44-27/VILMORIN 23//ROXO	BRA	SEED SOURCE-DIV 3965 FROM ARG.
196894	PRELUDIO		COLONISTA/FRONTANA	BRA	RELEASED IN 1957-RS,SC,PR.
196908	PTB			BRA	LANDRACE FROM SOUTHERN BRAZIL.
155519	RC 268		UNKNOWN	BRA	ADVANCED LINE FROM CACADOR (SC).
155527	RC 278		YAKTANA 54/N10-B21-1C//IAS 20	BRA	ADVANCED LINE FROM CACADOR (SC).
196916	RC 7105		NO INFORMATION AVAILABLE	BRA	LINE FROM CACADOR (SC).
155560	RC 7111		IAS 51/ABURA FP 3448	BRA	LINE FROM CACADOR (SC).
155586	RC 7117		IAS 20/ND 81	BRA	LINE FROM CACADOR (SC).
083445	RH 18		POLYXCROSS	BRA	ADVANCED LINE FROM P. FUNDO (RS). POLYXCROSS FOR HORIZONTAL RESISTANCE.
174246	RH 54		POLYXCROSS	BRA	ADVANCED LINE FROM P. FUNDO (RS). POLYXCROSS FOR HORIZONTAL RESISTANCE.
000736	RIO NEGRO		CENTENARIO/SURPRESA	BRA	RELEASED IN 1943-RS.
196932	RIOSULINO	ARG 1-22	UNKNOWN	BRA	RELEASED IN 1936-RS,SC,PR. MS TO HSSAL. HMW GLUT N 7+8 2+12.
081213	RS 1-FENIX	S 8010	PF 70100/J 15157-69	BRA	RELEASED IN 1984-RS,SC.

BRA					
ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
081221	RS 2-SANTA MARIA	S 8018	COXILHA/KAVKAZ	BRA	RELEASED IN 1984-RS,SC.
081230	RS 3-PALMEIRA	S 8020	COXILHA/KAVKAZ	BRA	RELEASED IN 1984-RS,SC.
143197	RS 4-IBIRAIARAS	C 7924	IAC 5/S 76	BRA	RELEASED IN 1984-RS,PR.
003131	S 12		VERANOPOLIS*2/MAYO 54	BRA	RELEASED IN 1967-SP.
196941	S 2	MISSIONEIRO "S"	WILLET/VERANOPOLIS	BRA	LINE FROM J. DE CASTILHOS (RS).
155772	S 37		TRINTANI *2/SELKIRK FL. 33	BRA	ADVANCED LINE FROM J. DE CASTILHOS (RS).
196959	S 39		TRINTANI*2/SELKIRK FL. 33	BRA	ADVANCED LINE FROM J. DE CASTILHOS (RS).
028835	S 40	COXILHA "S"	GIRUA/PURPLESTRAW	BRA	LINE FROM J. DE CASTILHOS (RS).
003255	S 45		GIRUA/PURPLESTRAW	BRA	ADVANCED LINE FROM J. DE CASTILHOS (RS).
155802	S 61		GIRUA/PURPLESTRAW	BRA	ADVANCED LINE FROM J. DE CASTILHOS (RS).
003361	S 76	COXILHA "S"	GIRUA/PURPLESTRAW	BRA	RELEASED IN 1974-RS.
161161	S 77		GIRUA/PURPLESTRAW	BRA	ADVANCED LINE FROM J. DE CASTILHOS (RS).
155888	S 79		COLOTANA 824.51/YAKTANA 54//CARAZINHO/3/TOROPI	BRA	LINE FROM J. DE CASTILHOS (RS).
196967	S 7906		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM J. DE CASTILHOS (RS).
196975	S 8017		S 45/KAVKAZ	BRA	ADVANCED LINE FROM J. DE CASTILHOS (RS).
159255	SA 8630		NO INFORMATION AVAILABLE	BRA	ADVANCED LINE FROM RS.
196983	SALES		UNKNOWN	BRA	RELEASED IN 1947-MG,GO. MR TO HSSAL. HMW GLUT N 7+8 2+12.
011177	SANTA BARBARA	E 11	TRINTECINCO/KENYA FARMER	BRA	RELEASED IN 1968-RS.
057436	SANTIAGO	B 7510	IAS 50/E 11	BRA	RELEASED IN 1979-RS,SC.
196991	SAO DOMINGOS			BRA	LANDRACE FROM S. D. DO SUL (RS).
197009	SB 75145		UNKNOWN	BRA	ADVANCED LINE FROM S. BORJA (RS).
197017	SB 7611		CHANATE//MENGAVI 18156/3/CIANO SIB/ GALLO/4/ UNKNOWN	BRA	ADVANCED LINE FROM S. BORJA (RS).
080268	SB 7612		DESCONHECIDO 5/3/TOROPI//IAS 16//ND 81	BRA	ADVANCED LINE FROM S. BORJA (RS).
080284	SB 76130		KENYA LEOPARD/S 69	BRA	ADVANCED LINE FROM S. BORJA (RS).
080276	SB 7663		SIETE CERROS/PITIC 62//KLEIN PETISO/ RAFAELA/3/ CIANO SIB/4/PF 12768/5/SA 3423/TOROPI	BRA	ADVANCED LINE FROM S. BORJA (RS).

BRA ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
142981	SB 7923		NT 67/C 25/3/AMAZONAS//TEZANOS PINTO PRECOZ/ SONORA 64	BRA	ADVANCED LINE FROM S. BORJA (RS).
172324	SD			BRA	LANDRACE FROM LACERDOPOLIS (SC).
197025	SEBERI		TRINTECINCO/MINUANO	BRA	RELEASED IN 1950-RS.
167070	SERRANO	IDS 237-10	BH 1146/IDS 309	BRA	RELEASED IN 1988-PR.
156124	SETEMBRINO DE CARVALHO			BRA	LANDRACE FROM SOUTHERN BRAZIL.
197033	SINCANA (ARROIO DO TIGRE)			BRA	LANDRACE FROM A. DO TIGRE (RS).
197041	SINCANA (SEBERI)			BRA	LANDRACE FROM SEBERI (RS).
022021	SONORA 63		YAQUI 54//NORIN 10B/YAKTANA 54	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1972-PR,SP,MS,MG.
018945	SONORA 64		YAKTANA 94/NORIN 10B//2*YAQUI 54	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1975-PR,SP.
197050	SULINO	CEP 74162	PLATIFEN/CIANO SIB//GIRUA/PURPLESTRAW	BRA	RELEASED IN 1982-PR. HMW GLUT N 7+9 2+12.
039004	SUPER X		PENJAMO SIB/GABO 55	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1976-SP.
170011	SURPRESA		POLYSSU/ALFREDO CHAVES 6-21	BRA	RELEASED IN 1932-RS.
170020	SURPRESA (DIV 5500)	DIV 5500	POLYSSU/ALFREDO CHAVES 6-21	BRA	SEED SOURCE-DIV 5500 FROM ARG.
022055	TANORI F 71		SONORA 64A/CIANO SIB//INIA 66	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1976-PR,MG.
197068	TIFTON CITO 7127-80		GA 1123//NORIN 10 BREVOR/TENMARQ/3/2* HADDEN/4/CI 13524/ASOSAN//PURDUE 5714-B-3- 11-3	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 96%
022101	TOBARI 66		SONORA 64A/TEZANOS PINTO PRECOZ	MEX	INTRODUCED FROM MEX. RECOMMENDED IN 1976-PR,SP.
021539	TOROPI	S 1	FRONTANA/QUADERNA-A//PETIBLANCO 8	BRA	RELEASED IN 1965-RS,SC.
197076	TOROPI CITO 3789-77		FRONTANA/QUADERNA-A//PETIBLANCO 8	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 99%
170691	TRAPEANO	HC 41-4-29	COLONISTA/FRONTANA	BRA	RELEASED IN 1949-RS,PR.
008915	TRIGO BR 1	PF 70402	IAS 20/IAS 50	BRA	RELEASED IN 1979-PR.
084263	TRIGO BR 10-FORMOSA	R 30147-77	D 6301/NAINARI 60//WEIQUI RED MACE/3/CIANO*2/ CHRIS	BRA	RELEASED IN 1983-MS,MG,GO,MT,DF. MS TO HSSAL.
139017	TRIGO BR 11-GUARANI	MS 7810	BLUEBIRD/TOBARI 66/8156	BRA	INTRODUCED FROM MEX. RELEASED IN 1984-MS.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	197084	TRIGO BR 12-ARUANA	BUCK BUCK	BUCKY/MAYA 74 SIB/4/BLUEBIRD//HD 832-5-5/ OLESEN/3/CIANO/PENJAMO	BRA	INTRODUCED FROM MEX. RELEASED IN 1985-MG,GO,DF.
	197092	TRIGO BR 13	PF 782027	IAS 51//IAS 20/ND 81	BRA	RELEASED IN 1985-PR.
	160237	TRIGO BR 14	PF 79765 + ...	IAS 63/ALONDRA SIB//GABOTO/LAGOA VERMELHA	BRA	RELEASED IN 1985-RS,SC,PR.
	080713	TRIGO BR 15	PF 79300	IAS 54*2/TOKAI 80//PF 69193	BRA	RELEASED IN 1985-RS,SC.
	197106	TRIGO BR 16-RIO VERDE	PF 79678	PF 70402/ALONDRA SIB//PAT 72160/ALONDRA SIB	BRA	RELEASED IN 1986-MG,GO,DF.
	197114	TRIGO BR 17-CAIUA	MS 7878	TEZANOS PINTO PRECOZ//IRN 46/CIANO/3/ II-64-27	BRA	RELEASED IN 1986-MS.
	197122	TRIGO BR 18-TERENA	PF 781148	D 6301/NAINARI 60//WEIQUE RED MACE/3/CIANO*2/ CHRIS	BRA	INTRODUCED FROM MEX. RELEASED IN 1986-PR,MS.
	080730	TRIGO BR 19	PF 79502	CNT 1/CNT 10	BRA	RELEASED IN 1986-PR.
	019569	TRIGO BR 2	PF 7158	IAS 50/4/IAS 46/3/VILELA SOL*4//EGYPT 101/ TIMSTEIN	BRA	RELEASED IN 1979-PR,SP.
	197131	TRIGO BR 20-GUATO	PF 81189	BH 1146*3/ALONDRA SIB	BRA	RELEASED IN 1987-MS.
	197149	TRIGO BR 21-NHANDOVA	PF 79475	CAJEME 71/PF 70553	BRA	RELEASED IN 1987-PR,MS.
	197157	TRIGO BR 22	PF 7942	PF 81130/CNT 10	BRA	RELEASED IN 1987-PR.
	141046	TRIGO BR 23	PF 8215	CORRE CAMINOS/ALONDRA SIB/3/IAS 54-20/ COTIPORA//CNT 8	BRA	RELEASED IN 1987-RS,SC,PR,MS. R TO HSSAL.
	138274	TRIGO BR 24	PF 8150	IAS 58*2/EAGLE	BRA	RELEASED IN 1988-DF,GO,MG.
	197165	TRIGO BR 25	PF 81230	BH 1146*3/ALONDRA SIB	BRA	RELEASED IN 1988-DF,GO,MG.
	197173	TRIGO BR 26-SAO GOTARDO	CPAC 831243	KAVKAZ/BUHO SIB//KALYAN/BLUEBIRD	BRA	INTRODUCED FROM MEX. RELEASED IN 1988-MG. HMW GLUT 1 7+9 5+10.
	080942	TRIGO BR 27	PF 80271	RC 7201/TRIGO BR 2	BRA	RELEASED IN 1988-PR,SP.
	158453	TRIGO BR 28	PF 81330	IAS 55/PF 70553	BRA	RELEASED IN 1988-PR.
	197181	TRIGO BR 29-JAVAE	MS 8166	SISKIN SIB/PAVON SIB	BRA	INTRODUCED FROM MEX. RELEASED IN 1988-MS.
	045454	TRIGO BR 3	PF 72518	IAS 50/4/IAS 46/3/VILELA SOL*4//EGYPT 101/ TIMSTEIN	BRA	RELEASED IN 1979-RS,SC.
	197190	TRIGO BR 30-CADIUEU	MS 81129	CIANO/8156//TOBARI/CIANO/4/NO/3/II-12300//LERMA ROJO 64/8156/5/PUNONG SIB	BRA	INTRODUCED FROM MEX. RELEASED IN 1988-MG.
	197203	TRIGO BR 31-MIRITI	GLENNSON 81	KAVKAZ/BUHO//KALYAN/BLUEBIRD	BRA	INTRODUCED FROM MEX. RELEASED IN 1988-MS.
	160270	TRIGO BR 32	PF 82345	IAS 60/INDUS//IAS 62/3/ALONDRA SIB/4/IAS 59	BRA	RELEASED IN 1988-RS.
	197211	TRIGO BR 33-GUARA	CPAC 841222	BUCKBUCK SIB/BLUEJAY SIB	BRA	INTRODUCED FROM MEX. RELEASED IN 1989-GO,DF.
	197220	TRIGO BR 34	PF 839204	ALVAREZ 110/2*IAS 54/6/TOROPI/4/TEZANOS PINTO PRECOZ/SONORA 64/ /NAPO/3/CIANO/5/PF 6968	BRA	RELEASED IN 1989-RS,PR. R TO HSSAL.
	160288	TRIGO BR 35	PF 83144	IAC 5*2/3/CNT 7*3/LONDRINA//IAC 5/HADDEN	BRA	RELEASED IN 1989-RS,SC,PR.
	142832	TRIGO BR 36-IANOMAMI	PF 84588	JUPATECO F 73*3/AMIGO	BRA	RELEASED IN 1990-MS.
	197238	TRIGO BR 37	PF 84431	MAZOE/F 13279//PELADO MARAU	BRA	RELEASED IN 1990-RS,PR.

BRA	ACC N°	NAME	SYNONYM	GENEALOGY	ORIGIN	OBSERVATION
	197246	TRIGO BR 38	PF 83348	IAS 55*4/AGENT/3//IAS 55*4//KHAPLI/ 8* CHANCELLOR	BRA	RELEASED IN 1990-RS,SC.
	197254	TRIGO BR 39-PARAUNA	CPAC 841244	DOVE SIB/PEWEE SIB	BRA	INTRODUCED FROM MEX. RELEASED IN 1991-DF,GO,MG.
	027111	TRIGO BR 4	PF 73226	IAS 20*3/SINVALOCHO GAMA	BRA	RELEASED IN 1979-RS,SC.
	197262	TRIGO BR 40-TUIUCA	MS 208-84	ANAHUAC 75/HUACAMAYO SIB	BRA	RELEASED IN 1991-MS.
	197271	TRIGO BR 41-OFAIE	GD 833	BH 1146*6/ALONDRA SIB	BRA	RELEASED IN 1991-MS.
	197289	TRIGO BR 42-NAMBIQUARA	PF 85634	JUPATECO F 73*6//LAGOA VERMELHA*5/AGATHA	BRA	RELEASED IN 1991-MS.
	177997	TRIGO BR 43	PF 853031	PF 833007/JACUI	BRA	RELEASED IN 1991-RS.
	022195	TRIGO BR 5	PF 74354	IAS 59//IAS 52/GASTA	BRA	RELEASED IN 1980-RS,SC.
	045489	TRIGO BR 6	PEL 73538	IAS 20/TOROPI	BRA	RELEASED IN 1980-RS.
	105953	TRIGO BR 7	PF 72206	IAS 20/TOROPI	BRA	RELEASED IN 1981-PR.
	055433	TRIGO BR 8	PF 75171	IAS 20/TOROPI//PF 70100	BRA	RELEASED IN 1983-RS,SC,PR.
	083003	TRIGO BR 9-CERRADOS	R 30469-77	BH 1146/IRN 595-71	BRA	RELEASED IN 1983-GO,MG,DF.
	197297	TRIGO DE CHAPEU			BRA	LANDRACE FROM CASCA (RS).
	139564	TRIGO LIBANES			BRA	LANDRACE FROM CAMBARA (PR).
	197301	TRINTANI		GUARANY/TRINTECINCO	BRA	RELEASED IN 1949-RS,SC,PR. S TO HSSAL. HMW GLUT N 7+8 2+12.
	160601	TRINTECINCO		ALFREDO CHAVES 3-21/ALFREDO CHAVES 4-21	BRA	RELEASED IN 1936-RS,SC,PR. R TO HSSAL. HMW GLUT N 7+8 2+12.
	170062	TUCANO	OC 73005	SONORA 64/EL GAUCHO	BRA	RELEASED IN 1980-PR.
	197319	TUCUNDUVA 1-78			BRA	LANDRACE FROM TUCUNDUVA (RS). HMW GLUT N 7 2+12.
	081485	TUCUNDUVA 2-78			BRA	LANDRACE FROM TUCUNDUVA (RS).
	197327	URGS/T 7943		NO INFORMATION AVAILABLE	BRA	LINE FROM ELD. DO SUL (RS).
	197335	URGS/T 7946		NO INFORMATION AVAILABLE	BRA	LINE FROM ELD. DO SUL (RS).
	170712	URUGUAI 2			BRA	LANDRACE FROM SOUTHERN BRAZIL.
	008877	VACARIA	C 51	VERANOPOLIS/TRAPEANO//COLATANA 1838.51	BRA	RELEASED IN 1976-RS,SC,PR. HMW GLUT N 7+8 2+12.
	156485	VBDZA 10532			BRA	LANDRACE COLLECTED IN PIRATUBA (SC).
	156493	VBDZA 10536			BRA	LANDRACE COLLECTED IN PIRATUBA (SC).
	197351	VERANOPOLIS	HC 41-10-35	TRINTECINCO/FRONTANA	BRA	RELEASED IN 1950-RS. R TO HSSAL. HMW GLUT N 7+8 2+12.
	197360	VERANOPOLIS CITO 4337-78		TRINTECINCO/FRONTANA	BRA	SEL FROM A PLANT SHOWING A MEIOTIC INDEX OF 97%
	021555	VILA RICA		TRINTANI*2/SELKIRK FL 53	BRA	RELEASED IN 1970-RS,SC.