

<b>ID</b>	<b>accession name</b>	<b>ADW594</b>	<b>ADW595</b>	<b>Origin</b>
lw248	TOUZELLE BLANCHE BARBUE	-	A:A	FRANCE
lw318	AXONA	-	A:A	NETHERLAND
lw369	Landrace	-	A:A	TURKMENISTAN
lw378	Tom-Thumb	-	A:A	USA
DPG_513	H 1546	A:A	A:A	AFGHANISTAN
DPG_497	H 1409	A:A	A:A	AFGHANISTAN
DPG_488	H 1287	A:A	A:A	AFGHANISTAN
DPG_492	H 1328A	A:A	A:A	AFGHANISTAN
DPG_515	H 1582	A:A	A:A	AFGHANISTAN
DPG_517	H 1594	A:A	A:A	AFGHANISTAN
DPG_525	H 1655	A:A	A:A	AFGHANISTAN
DPG_530	H 1685	A:A	A:A	AFGHANISTAN
DPG_1263	H 1288	A:A	A:A	AFGHANISTAN
DPG_491	H 1314	A:A	A:A	AFGHANISTAN
DPG_512	H 1542	A:A	A:A	AFGHANISTAN
DPG_535	H 339	A:A	A:A	AFGHANISTAN
DPG_1266	H 1326	A:A	A:A	AFGHANISTAN
DPG_1267	H 1329	A:A	A:A	AFGHANISTAN
DPG_489	H 1302	A:A	A:A	AFGHANISTAN
lw298	BAROOTAWONDER	A:A	A:A	AUSTRALIA
DPG_442	Ford	A:A	A:A	AUSTRALIA
DPG_399	DIRK	A:A	A:A	AUSTRALIA
DPG_626	Koda	A:A	A:A	AUSTRALIA
DPG_453	GALA	A:A	A:A	AUSTRALIA
DPG_455	GAMENYA	A:A	A:A	AUSTRALIA
DPG_830	Raven	A:A	A:A	AUSTRALIA
DPG_438	Festiguay	A:A	A:A	AUSTRALIA
DPG_849	SCOUT	A:A	A:A	AUSTRALIA
DPG_672	Madden	A:A	A:A	AUSTRALIA
DPG_864	Songlen	A:A	A:A	AUSTRALIA
DPG_315	COOK	A:A	A:A	AUSTRALIA
DPG_856	Shortim	A:A	A:A	AUSTRALIA
DPG_152	BANKS	A:A	A:A	AUSTRALIA
DPG_126	AROONA	A:A	A:A	AUSTRALIA
DPG_875	SUNECA	A:A	A:A	AUSTRALIA
DPG_678	Matong	A:A	A:A	AUSTRALIA
DPG_542	HARTOG	A:A	A:A	AUSTRALIA
DPG_166	BODALLIN	A:A	A:A	AUSTRALIA
DPG_428	ERADU	A:A	A:A	AUSTRALIA
DPG_440	Flinders	A:A	A:A	AUSTRALIA
DPG_157	Bass	A:A	A:A	AUSTRALIA
DPG_961	WYUNA	A:A	A:A	AUSTRALIA
DPG_197	CD87	A:A	A:A	AUSTRALIA
DPG_308	Cocamba	A:A	A:A	AUSTRALIA
DPG_700	Meering	A:A	A:A	AUSTRALIA
DPG_836	ROSELLA	A:A	A:A	AUSTRALIA
DPG_327	CRANBROOK	A:A	A:A	AUSTRALIA
DPG_671	MACHETE	A:A	A:A	AUSTRALIA
DPG_635	KULIN	A:A	A:A	AUSTRALIA
DPG_874	SUNCO	A:A	A:A	AUSTRALIA
DPG_900	Tatiara	A:A	A:A	AUSTRALIA

DPG_949	WILGOYNE	A:A	A:A	AUSTRALIA
DPG_603	JANZ	A:A	A:A	AUSTRALIA
DPG_640	LANG	A:A	A:A	AUSTRALIA
DPG_832	REEVES	A:A	A:A	AUSTRALIA
DPG_433	EXCALIBUR	A:A	A:A	AUSTRALIA
DPG_342	CUNNINGHAM	A:A	A:A	AUSTRALIA
DPG_642	Lark	A:A	A:A	AUSTRALIA
DPG_872	SUNBRI	A:A	A:A	AUSTRALIA
DPG_158	BATAVIA	A:A	A:A	AUSTRALIA
DPG_086	Babax	A:A	A:A	AUSTRALIA
DPG_182	CADOUX	A:A	A:A	AUSTRALIA
DPG_837	Rowan	A:A	A:A	AUSTRALIA
DPG_879	SUNSTATE	A:A	A:A	AUSTRALIA
DPG_768	PELSART	A:A	A:A	AUSTRALIA
DPG_194	CASCADES	A:A	A:A	AUSTRALIA
DPG_880	SUNVALE	A:A	A:A	AUSTRALIA
DPG_897	TAMMIN	A:A	A:A	AUSTRALIA
DPG_873	SUNBROOK	A:A	A:A	AUSTRALIA
DPG_192	CARNAMAH	A:A	A:A	AUSTRALIA
DPG_177	BUCKLEY	A:A	A:A	AUSTRALIA
DPG_947	WESTONIA	A:A	A:A	AUSTRALIA
DPG_397	DIAMONDBIRD	A:A	A:A	AUSTRALIA
DPG_183	CALINGIRI	A:A	A:A	AUSTRALIA
DPG_948	Whistler	A:A	A:A	AUSTRALIA
DPG_159	BAXTER	A:A	A:A	AUSTRALIA
DPG_617	KENNEDY	A:A	A:A	AUSTRALIA
DPG_631	KRICHAUFF	A:A	A:A	AUSTRALIA
DPG_537	H45	A:A	A:A	AUSTRALIA
DPG_859	Silverstar	A:A	A:A	AUSTRALIA
DPG_818	QAL 2000	A:A	A:A	AUSTRALIA
DPG_474	GILES	A:A	A:A	AUSTRALIA
DPG_960	WYLAH	A:A	A:A	AUSTRALIA
DPG_404	DRYSDALE	A:A	A:A	AUSTRALIA
DPG_306	CLEARFIELD JNZ	A:A	A:A	AUSTRALIA
DPG_863	SOKOLL	A:A	A:A	AUSTRALIA
DPG_421	EGA_WEDGETAIL	A:A	A:A	AUSTRALIA
DPG_425	ELLISON	A:A	A:A	AUSTRALIA
DPG_416	EGA BLANCO	A:A	A:A	AUSTRALIA
DPG_920	VENTURA	A:A	A:A	AUSTRALIA
DPG_418	EGA CASTLE ROCK	A:A	A:A	AUSTRALIA
DPG_462	GBA HUNTER	A:A	A:A	AUSTRALIA
DPG_968	YOUNG	A:A	A:A	AUSTRALIA
DPG_896	TAMMARIN ROCK	A:A	A:A	AUSTRALIA
DPG_395	DERRIMUT	A:A	A:A	AUSTRALIA
DPG_149	BARHAM	A:A	A:A	AUSTRALIA
DPG_420	EGA_EAGLEHAWK	A:A	A:A	AUSTRALIA
DPG_966	YENDA	A:A	A:A	AUSTRALIA
DPG_167	BOLAC	A:A	A:A	AUSTRALIA
DPG_145	AXE	A:A	A:A	AUSTRALIA
DPG_483	GUARDIAN	A:A	A:A	AUSTRALIA
DPG_196	CATALINA	A:A	A:A	AUSTRALIA
DPG_647	LINCOLN	A:A	A:A	AUSTRALIA

DPG_427	ENDURE	A:A	A:A	AUSTRALIA
DPG_973	ZEBU	A:A	A:A	AUSTRALIA
DPG_329	CRUSADER	A:A	A:A	AUSTRALIA
DPG_435	FANG	A:A	A:A	AUSTRALIA
DPG_707	MERINDA	A:A	A:A	AUSTRALIA
DPG_881	SUNVEX	A:A	A:A	AUSTRALIA
DPG_976	ZIPPY	A:A	A:A	AUSTRALIA
DPG_940	WAAGAN	A:A	A:A	AUSTRALIA
DPG_552	HTWT_004	A:A	A:A	AUSTRALIA
DPG_141	AUS29529	A:A	A:A	AUSTRALIA
DPG_460	GASCOIGNE	A:A	A:A	AUSTRALIA
DPG_825	RAC655	A:A	A:A	AUSTRALIA
DPG_826	RAC875	A:A	A:A	AUSTRALIA
lw037	AURORE	A:A	A:A	AUSTRALIA
DPG_452	Gabo	A:A	A:A	AUSTRALIA
DPG_456	GAMMENYA	A:A	A:A	AUSTRALIA
DPG_703	MENDOS	A:A	A:A	AUSTRALIA
DPG_819	QT7475	A:A	A:A	AUSTRALIA
DPG_944	WAWHT2750	A:A	A:A	AUSTRALIA
DPG_956	WW1842	A:A	A:A	AUSTRALIA
DPG_958	WW80	A:A	A:A	AUSTRALIA
lw223	P4523-80	A:A	A:A	AUSTRIA
lw295	PRINCE LEOPOLD	A:A	A:A	BELGIUM
lw151	IAS 1	A:A	A:A	BRAZIL
lw092	COTIPORA	A:A	A:A	BRAZIL
lw289	LE2092	A:A	A:A	BRAZIL
lw010	3716-1	A:A	A:A	BULGARIA
lw383	OGOSTA	A:A	A:A	BULGARIA
DPG_478	GP260	A:A	A:A	CANADA
DPG_704	Menflo	A:A	A:A	CHILE
DPG_965	YECORA 70	A:A	A:A	CHILE
lw384	CHAGUAL	A:A	A:A	CHILE
DPG_649	LIVINGSTON	A:A	A:A	CHINA
lw311	TAI911	A:A	A:A	CHINA
DPG_097	ACADEMIE DE PEKIN	A:A	A:A	CHINA
lw113	DRAVA	A:A	A:A	CROATIA
lw319	ROKYCANSKA_SAMETKA	A:A	A:A	CZECH REPUBLIC
lw320	HANA	A:A	A:A	CZECH REPUBLIC
lw109	DIANA II	A:A	A:A	CZECH REPUBLIC
lw097	Danubia	A:A	A:A	CZECH REPUBLIC
lw296	Solaris	A:A	A:A	CZECH REPUBLIC
lw168	KRAKA	A:A	A:A	DENMARK
DPG_084	37627	A:A	A:A	EGYPT
lw012	6-1-3	A:A	A:A	EGYPT
DPG_656	LW337	A:A	A:A	ETHIOPIA
DPG_189	Capelle Desprez	A:A	A:A	FRANCE
lw302	FONDARD CRESPIN	A:A	A:A	FRANCE
lw190	MICHE	A:A	A:A	FRANCE
lw033	ARROMANCHES	A:A	A:A	FRANCE
lw304	BEHERT	A:A	A:A	FRANCE
DPG_813	PROVINS	A:A	A:A	FRANCE
lw009	DI37-12-2	A:A	A:A	FRANCE

lw075	CEREALOR	A:A	A:A	FRANCE
lw034	ARTOIS-DESPREZ	A:A	A:A	FRANCE
lw107	DI7215-100	A:A	A:A	FRANCE
lw112	DRAGON-FRA	A:A	A:A	FRANCE
lw141	GRENIER	A:A	A:A	FRANCE
lw154	JANGO	A:A	A:A	FRANCE
lw247	TF6	A:A	A:A	FRANCE
lw259	VALDOR	A:A	A:A	FRANCE
lw261	WATTINES	A:A	A:A	FRANCE
lw375	(95-13*BEZOSTAIA)3-3	A:A	A:A	FRANCE
lw376	HIVERNAL	A:A	A:A	FRANCE
lw377	RINGOT 2	A:A	A:A	FRANCE
lw381	DI182-9	A:A	A:A	FRANCE
lw024	AMIFORT	A:A	A:A	FRANCE
lw053	BLASON	A:A	A:A	FRANCE
lw286	(V*C)5-3	A:A	A:A	FRANCE
lw287	DC147U	A:A	A:A	FRANCE
lw297	ANATOLIE2	A:A	A:A	FRANCE
lw299	CONCURRENT	A:A	A:A	FRANCE
lw305	ORNICAR	A:A	A:A	FRANCE
lw307	APACHE	A:A	A:A	FRANCE
lw308	BELLOVAC	A:A	A:A	FRANCE
lw266	BORDEAUX 113	A:A	A:A	FRANCE
lw046	BEL ET BON	A:A	A:A	FRANCE
lw102	DI6402-34-2-4	A:A	A:A	FRANCE
lw104	DI7005-113-3	A:A	A:A	FRANCE
lw105	DI7202-103	A:A	A:A	FRANCE
lw227	POILU DU TARN	A:A	A:A	FRANCE
lw233	RENAN	A:A	A:A	FRANCE
lw005	25-AO-20/11-60	A:A	A:A	FRANCE
lw269	RALET	A:A	A:A	FRANCE
lw323	BLE DE REDON BLANC 1/2 LACHE 1 1	A:A	A:A	FRANCE
lw324	BLE DE REDON GLUMES VELUES 1	A:A	A:A	FRANCE
lw260	VPM V1-1-2-4R2-3-8-3-2	A:A	A:A	FRANCE
lw029	ARCHE	A:A	A:A	FRANCE
lw326	AS68VM4-3-2/TJB636 13	A:A	A:A	FRANCE
lw327	ASVM4/BEAUCHAMP 81B13	A:A	A:A	FRANCE
lw331	DI9234-11-15	A:A	A:A	FRANCE
lw309	PALIO	A:A	A:A	FRANCE
lw288	TM7MB1-1	A:A	A:A	FRANCE
lw149	HYBRIDE 56 VILMORIN	A:A	A:A	FRANCE
lw031	ARGENT	A:A	A:A	GREAT BRITAIN
DPG_546	Hereward	A:A	A:A	GREAT BRITAIN
lw128	G66257	A:A	A:A	GREECE
lw138	GODOLLOI 15	A:A	A:A	HUNGARIA
lw136	GK SZOKE	A:A	A:A	HUNGARIA
lw303	VOLT	A:A	A:A	HUNGARIA
lw155	JASZsAgl TF	A:A	A:A	HUNGARIA
DPG_611	KALYANSONA	A:A	A:A	INDIA
DPG_574	INDIA 107	A:A	A:A	INDIA
DPG_581	INDIA 231	A:A	A:A	INDIA
DPG_584	INDIA 325	A:A	A:A	INDIA

DPG_586	Indian 6	A:A	A:A	INDIA
lw203	NAPHAL	A:A	A:A	INDIA
DPG_576	INDIA 120	A:A	A:A	INDIA
DPG_593	IRAN 68	A:A	A:A	IRAN
DPG_111	AMC 157	A:A	A:A	IRAN
DPG_598	IRAQ 47	A:A	A:A	IRAQ
DPG_539	H742A	A:A	A:A	ISRAEL
DPG_726	N67M2	A:A	A:A	ISRAEL
DPG_926	VOLCANI-BPA	A:A	A:A	ISRAEL
DPG_725	N46	A:A	A:A	ISRAEL
DPG_668	M708//G25/N163	A:A	A:A	ISRAEL
lw030	Ardito	A:A	A:A	ITALY
DPG_736	Norin 10	A:A	A:A	JAPAN
DPG_739	NORIN 64	A:A	A:A	JAPAN
DPG_737	NORIN 29	A:A	A:A	JAPAN
DPG_449	FUKUHOKOMUGI	A:A	A:A	JAPAN
lw148	HOROSHIRI KOMUGI	A:A	A:A	JAPAN
DPG_738	NORIN 60	A:A	A:A	JAPAN
lw281	NISHIKAZE KOMUGI	A:A	A:A	JAPAN
lw178	MACHA	A:A	A:A	JAPAN
DPG_334	Cul2	A:A	A:A	KAZAKHSTAN
DPG_337	Cul5	A:A	A:A	KAZAKHSTAN
DPG_333	Cul10	A:A	A:A	KAZAKHSTAN
lw163	KENYA 350	A:A	A:A	KENYA
DPG_711	Mexique 58	A:A	A:A	MEXICO
DPG_803	Pitic 62	A:A	A:A	MEXICO
DPG_588	INIA 66	A:A	A:A	MEXICO
DPG_710	MEXICO-120	A:A	A:A	MEXICO
DPG_208	CIANO 79	A:A	A:A	MEXICO
DPG_307	CLEOPATRA	A:A	A:A	MEXICO
DPG_463	GENARO F81	A:A	A:A	MEXICO
DPG_752	OPATA85	A:A	A:A	MEXICO
DPG_436	Fang 60	A:A	A:A	MEXICO
DPG_180	BURRION	A:A	A:A	MEXICO
DPG_761	PASTOR	A:A	A:A	MEXICO
DPG_154	BERKUT	A:A	A:A	MEXICO
DPG_890	Tacupeto 2001	A:A	A:A	MEXICO
DPG_927	VOROBAY	A:A	A:A	MEXICO
DPG_220	cid279807sid86	A:A	A:A	MEXICO
DPG_176	7HRWSN108	A:A	A:A	MEXICO
DPG_213	cid183961sid5	A:A	A:A	MEXICO
DPG_214	cid192646sid0	A:A	A:A	MEXICO
DPG_216	cid20569sid929	A:A	A:A	MEXICO
DPG_217	cid20570sid926	A:A	A:A	MEXICO
DPG_219	cid260142sid43	A:A	A:A	MEXICO
DPG_222	cid279826sid63	A:A	A:A	MEXICO
DPG_223	cid306547sid131	A:A	A:A	MEXICO
DPG_225	cid325362sid63	A:A	A:A	MEXICO
DPG_226	cid334938sid1119	A:A	A:A	MEXICO
DPG_227	cid335446sid92	A:A	A:A	MEXICO
DPG_228	cid373279sid61	A:A	A:A	MEXICO
DPG_230	cid385184sid26	A:A	A:A	MEXICO

DPG_231	cid388327sid117	A:A	A:A	MEXICO
DPG_233	cid388408sid65	A:A	A:A	MEXICO
DPG_234	cid388412sid46	A:A	A:A	MEXICO
DPG_235	cid388436sid70	A:A	A:A	MEXICO
DPG_236	cid388444sid89	A:A	A:A	MEXICO
DPG_237	cid394062sid22	A:A	A:A	MEXICO
DPG_238	cid394070sid114	A:A	A:A	MEXICO
DPG_239	cid394087sid30	A:A	A:A	MEXICO
DPG_240	cid394715sid160	A:A	A:A	MEXICO
DPG_242	cid399013sid209	A:A	A:A	MEXICO
DPG_243	cid399062sid49	A:A	A:A	MEXICO
DPG_244	cid420707sid98	A:A	A:A	MEXICO
DPG_245	cid423295sid45	A:A	A:A	MEXICO
DPG_246	cid425852sid48	A:A	A:A	MEXICO
DPG_248	cid427658sid33	A:A	A:A	MEXICO
DPG_252	cid428589sid93	A:A	A:A	MEXICO
DPG_253	cid428592sid124	A:A	A:A	MEXICO
DPG_254	cid428603sid31	A:A	A:A	MEXICO
DPG_255	cid431763sid639	A:A	A:A	MEXICO
DPG_256	cid431798sid387	A:A	A:A	MEXICO
DPG_268	cid460334sid63	A:A	A:A	MEXICO
DPG_269	cid460342sid40	A:A	A:A	MEXICO
DPG_270	cid460344sid158	A:A	A:A	MEXICO
DPG_272	cid460354sid105	A:A	A:A	MEXICO
DPG_273	cid460356sid168	A:A	A:A	MEXICO
DPG_275	cid460360sid38	A:A	A:A	MEXICO
DPG_276	cid460396sid87	A:A	A:A	MEXICO
DPG_277	cid463491sid196	A:A	A:A	MEXICO
DPG_278	cid463508sid200	A:A	A:A	MEXICO
DPG_279	cid472868sid38	A:A	A:A	MEXICO
DPG_280	cid472918sid54	A:A	A:A	MEXICO
DPG_281	cid472923sid71	A:A	A:A	MEXICO
DPG_282	cid472924sid40	A:A	A:A	MEXICO
DPG_283	cid472927sid53	A:A	A:A	MEXICO
DPG_285	cid473243sid61	A:A	A:A	MEXICO
DPG_286	cid473245sid56	A:A	A:A	MEXICO
DPG_287	cid473247sid51	A:A	A:A	MEXICO
DPG_289	cid473251sid35	A:A	A:A	MEXICO
DPG_290	cid473259sid69	A:A	A:A	MEXICO
DPG_291	cid473269sid30	A:A	A:A	MEXICO
DPG_293	cid480829sid70	A:A	A:A	MEXICO
DPG_294	cid486216sid209	A:A	A:A	MEXICO
DPG_296	cid69587sid58	A:A	A:A	MEXICO
DPG_299	cid7506sid110	A:A	A:A	MEXICO
DPG_301	cid82996sid44	A:A	A:A	MEXICO
DPG_302	cid8626sid502	A:A	A:A	MEXICO
DPG_303	cid91078sid341	A:A	A:A	MEXICO
DPG_549	HTWT_001	A:A	A:A	MEXICO
DPG_551	HTWT_003	A:A	A:A	MEXICO
DPG_556	HTWT_008	A:A	A:A	MEXICO
DPG_557	HTWT_009	A:A	A:A	MEXICO
DPG_558	HTWT_010	A:A	A:A	MEXICO

DPG_559	HTWT_012	A:A	A:A	MEXICO
DPG_560	HTWT_013	A:A	A:A	MEXICO
DPG_563	HTWT_030	A:A	A:A	MEXICO
DPG_564	HTWT-011	A:A	A:A	MEXICO
DPG_565	HTWT-014	A:A	A:A	MEXICO
DPG_567	HTWT-031	A:A	A:A	MEXICO
DPG_589	INIA-19	A:A	A:A	MEXICO
DPG_607	JUPATECO 73	A:A	A:A	MEXICO
DPG_1491	VOROBAY-5	A:A	A:A	MEXICO
DPG_1497	cid183961sid5	A:A	A:A	MEXICO
DPG_1498	cid428603sid31	A:A	A:A	MEXICO
DPG_1499	cid394087sid30	A:A	A:A	MEXICO
DPG_1500	cid473259sid69	A:A	A:A	MEXICO
DPG_1501	cid473259sid70	A:A	A:A	MEXICO
DPG_1502	cid460354sid132	A:A	A:A	MEXICO
DPG_257	cid431801sid446	A:A	A:A	MEXICO
DPG_260	cid435275sid65	A:A	A:A	MEXICO
DPG_261	cid435303sid61	A:A	A:A	MEXICO
DPG_262	cid437242sid88	A:A	A:A	MEXICO
DPG_266	cid452470sid102	A:A	A:A	MEXICO
DPG_858	SIETE CERROS	A:A	A:A	MEXICO
lw079	CHANATE	A:A	A:A	MEXICO
DPG_218	cid257170sid21	A:A	A:A	MEXICO
DPG_241	cid394799sid20	A:A	A:A	MEXICO
DPG_295	cid6831sid90	A:A	A:A	MEXICO
DPG_304	cid94795sid11	A:A	A:A	MEXICO
DPG_471	GH 'S'	A:A	A:A	MEXICO
DPG_232	cid388384sid40	A:A	A:A	MEXICO
DPG_886	SYNTHETIC W7984	A:A	A:A	MEXICO
DPG_250	cid427898sid67	A:A	A:A	MEXICO
DPG_249	cid427887sid0	A:A	A:A	MEXICO
DPG_297	cid72726sid102	A:A	A:A	MEXICO
DPG_325	CPI133859	A:A	A:A	-
DPG_1013	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_561	HTWT_015	A:A	A:A	-
DPG_988	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_989	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_991	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_998	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_1002	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_1003	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_1005	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_1014	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_1015	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_1016	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_980	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_981	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_992	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_1495	AUS-17838-4	A:A	A:A	-
DPG_562	HTWT_028	A:A	A:A	-
DPG_566	HTWT-029	A:A	A:A	-
DPG_085	6HRWSN98	A:A	A:A	-

DPG_982	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_984	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_986	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_1008	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_323	CPI133814	A:A	A:A	-
DPG_1009	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_1011	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_987	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_1007	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_1010	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_995	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_999	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
DPG_1001	synthetic bread wheat with AE.SQUAR	A:A	A:A	-
lw332	HAMAC	A:A	A:A	NETHERLAND
DPG_808	PRESTON	A:A	A:A	NEW-ZELAND
lw028	ARAWA	A:A	A:A	NEW-ZELAND
lw263	RONGOTEA	A:A	A:A	NZL
DPG_936	W48B	A:A	A:A	PAKISTAN
DPG_929	W100	A:A	A:A	PAKISTAN
lw042	BARANI 70	A:A	A:A	PAKISTAN
lw301	SANDOMIRKA	A:A	A:A	POLAND
DPG_717	MOCHO DE ESPIGA BRANCA	A:A	A:A	PORTUGAL
lw228	PRECOCE	A:A	A:A	PORTUGAL
DPG_745	ODESSA EXPSTA21821	A:A	A:A	PORTUGAL
lw216	ODESSA EXPSTA20722	A:A	A:A	PORTUGAL
DPG_401	DOMINAT: 2793	A:A	A:A	ROMANIA
lw221	OULIANOWSKA	A:A	A:A	RUSSIA
lw121	FERRUGINEUM	A:A	A:A	RUSSIA
lw140	GRANIT	A:A	A:A	RUSSIA
DPG_587	Indis	A:A	A:A	SOUTH-AFRICA
lw278	WS-13 CARDENO 34/45	A:A	A:A	SPAIN
lw072	CANDEAL DE SORIA	A:A	A:A	SPAIN
DPG_701	MEIRA	A:A	A:A	SPAIN
lw253	TRIGO DE MONTE	A:A	A:A	SPAIN
lw242	SOANDRES LARACHA	A:A	A:A	SPAIN
lw222	P. DE BROLLON	A:A	A:A	SPAIN
lw052	BLANC PRECOCE	A:A	A:A	SWITZERLAND
lw237	ROUGE DE MARCHISSY	A:A	A:A	SWITZERLAND
lw280	SANUNU	A:A	A:A	SYRIA
DPG_659	LW348	A:A	A:A	TAJIKISTAN
DPG_162	BT2277	A:A	A:A	TUNISIA
lw328	Mirleben	A:A	A:A	UKRAINE
lw110	DNEPROVSKAIA	A:A	A:A	UKRAINE
DPG_431	ESTANZUELA DORADO	A:A	A:A	URUGUAY
DPG_853	SENTINEL	A:A	A:A	USA
DPG_429	ERNIE	A:A	A:A	USA
DPG_107	ALSEN	A:A	A:A	USA
lw002	11IWSWSN14	A:A	A:A	USA
DPG_392	DAKOTA	A:A	A:A	USA
DPG_740	Norin10/Brevor	A:A	A:A	USA
lw191	MINTURK	A:A	A:A	USA
lw041	Balkan	A:A	A:A	YUGOSLAVIA



DPG_840	S975-A4-A1	A:A	A:A	ZIMBABWE
lw290	LIMPOPO	A:A	A:A	ZIMBABWE
DPG_499	H 1440	G:G	-	AFGHANISTAN
DPG_511	H 1540	G:G	-	AFGHANISTAN
lw100	DETENICKA CERVENA	G:G	-	CZECH REPUBLIC
lw157	JUBING	G:G	-	NEPAL
DPG_534	H 1703	G:G	T:T	AFGHANISTAN
DPG_493	H 1357	G:G	T:T	AFGHANISTAN
DPG_487	H 11	G:G	T:T	AFGHANISTAN
DPG_518	H 1601	G:G	T:T	AFGHANISTAN
DPG_533	H 1695	G:G	T:T	AFGHANISTAN
DPG_1265	H 1311	G:G	T:T	AFGHANISTAN
DPG_496	H 1398	G:G	T:T	AFGHANISTAN
DPG_498	H 1411	G:G	T:T	AFGHANISTAN
DPG_500	H 1445	G:G	T:T	AFGHANISTAN
DPG_501	H 1494	G:G	T:T	AFGHANISTAN
DPG_502	H 1496	G:G	T:T	AFGHANISTAN
DPG_503	H 1509	G:G	T:T	AFGHANISTAN
DPG_504	H 1511	G:G	T:T	AFGHANISTAN
DPG_506	H 1525	G:G	T:T	AFGHANISTAN
DPG_507	H 1527	G:G	T:T	AFGHANISTAN
DPG_508	H 1531	G:G	T:T	AFGHANISTAN
DPG_509	H 1534	G:G	T:T	AFGHANISTAN
DPG_510	H 1537	G:G	T:T	AFGHANISTAN
DPG_514	H 1550	G:G	T:T	AFGHANISTAN
DPG_516	H 1584	G:G	T:T	AFGHANISTAN
DPG_520	H 1621	G:G	T:T	AFGHANISTAN
DPG_521	H 1627	G:G	T:T	AFGHANISTAN
DPG_522	H 1632	G:G	T:T	AFGHANISTAN
DPG_523	H 1644	G:G	T:T	AFGHANISTAN
DPG_524	H 1647	G:G	T:T	AFGHANISTAN
DPG_526	H 1660	G:G	T:T	AFGHANISTAN
DPG_528	H 1673	G:G	T:T	AFGHANISTAN
DPG_529	H 1681A	G:G	T:T	AFGHANISTAN
DPG_531	H 1686B	G:G	T:T	AFGHANISTAN
DPG_532	H 1691	G:G	T:T	AFGHANISTAN
DPG_536	H 344	G:G	T:T	AFGHANISTAN
DPG_1264	H 1305	G:G	T:T	AFGHANISTAN
DPG_1268	H 1359	G:G	T:T	AFGHANISTAN
DPG_1269	H 1369	G:G	T:T	AFGHANISTAN
DPG_1271	H 1399	G:G	T:T	AFGHANISTAN
lw016	A4	G:G	T:T	AFGHANISTAN
DPG_151	BAHATANE 87	G:G	T:T	ALGERIA
DPG_175	BUCK_ATLANTICO	G:G	T:T	ARGENTINA
DPG_423	EGYPCIO208	G:G	T:T	ARGENTINA
DPG_652	LW333	G:G	T:T	ARMENIA
DPG_405	Du Toits	G:G	T:T	AUSTRALIA
DPG_568	Hudsons Early Purple Straw	G:G	T:T	AUSTRALIA
DPG_942	Ward's Prolific	G:G	T:T	AUSTRALIA
DPG_437	Federation	G:G	T:T	AUSTRALIA
DPG_441	Florence	G:G	T:T	AUSTRALIA
lw086	COLLEGE ECLIPSE	G:G	T:T	AUSTRALIA

DPG_343	Currawa	G:G	T:T	AUSTRALIA
DPG_623	KINGSWHITE	G:G	T:T	AUSTRALIA
DPG_941	Waratah	G:G	T:T	AUSTRALIA
DPG_472	Ghurka	G:G	T:T	AUSTRALIA
DPG_828	Ranee	G:G	T:T	AUSTRALIA
DPG_445	Free Gallipoli	G:G	T:T	AUSTRALIA
DPG_407	Dundee	G:G	T:T	AUSTRALIA
DPG_179	Bungulla	G:G	T:T	AUSTRALIA
DPG_161	Bencubbin	G:G	T:T	AUSTRALIA
DPG_477	GLUYAS EARLY	G:G	T:T	AUSTRALIA
DPG_821	Quadrat	G:G	T:T	AUSTRALIA
DPG_802	Pinnacle	G:G	T:T	AUSTRALIA
DPG_476	Glenwari	G:G	T:T	AUSTRALIA
DPG_547	Heron	G:G	T:T	AUSTRALIA
DPG_434	Falcon	G:G	T:T	AUSTRALIA
DPG_461	Gatcher	G:G	T:T	AUSTRALIA
DPG_312	Combination III	G:G	T:T	AUSTRALIA
DPG_540	HALBERD	G:G	T:T	AUSTRALIA
DPG_422	EGRET	G:G	T:T	AUSTRALIA
DPG_625	KITE	G:G	T:T	AUSTRALIA
DPG_619	Kewell	G:G	T:T	AUSTRALIA
DPG_905	TINCURRIN	G:G	T:T	AUSTRALIA
DPG_943	Warrigal	G:G	T:T	AUSTRALIA
DPG_143	AVOCET	G:G	T:T	AUSTRALIA
DPG_715	MILLEWA	G:G	T:T	AUSTRALIA
DPG_486	GUTHA	G:G	T:T	AUSTRALIA
DPG_541	Harrier	G:G	T:T	AUSTRALIA
DPG_391	DAGGER	G:G	T:T	AUSTRALIA
DPG_867	SPEAR	G:G	T:T	AUSTRALIA
DPG_878	Sunstar	G:G	T:T	AUSTRALIA
DPG_876	SUNELG	G:G	T:T	AUSTRALIA
DPG_919	Vasco	G:G	T:T	AUSTRALIA
DPG_928	VULCAN	G:G	T:T	AUSTRALIA
lw087	COMET	G:G	T:T	AUSTRALIA
DPG_719	MOLINEUX	G:G	T:T	AUSTRALIA
DPG_908	TRIDENT	G:G	T:T	AUSTRALIA
DPG_344	CURRAWONG	G:G	T:T	AUSTRALIA
DPG_967	YIPTI	G:G	T:T	AUSTRALIA
DPG_444	FRAME	G:G	T:T	AUSTRALIA
DPG_902	TENNANT	G:G	T:T	AUSTRALIA
DPG_105	AJANA	G:G	T:T	AUSTRALIA
DPG_633	KUKRI	G:G	T:T	AUSTRALIA
DPG_417	EGA BONNIE ROCK	G:G	T:T	AUSTRALIA
DPG_419	EGA JITARNING	G:G	T:T	AUSTRALIA
DPG_415	EGA 2248	G:G	T:T	AUSTRALIA
DPG_475	GLADIUS	G:G	T:T	AUSTRALIA
DPG_673	MAGENTA	G:G	T:T	AUSTRALIA
DPG_766	PEAKE	G:G	T:T	AUSTRALIA
DPG_318	CORRELL	G:G	T:T	AUSTRALIA
DPG_430	ESPADA	G:G	T:T	AUSTRALIA
DPG_669	MACE	G:G	T:T	AUSTRALIA
DPG_622	KING ROCK	G:G	T:T	AUSTRALIA

lw143	GULAR	G:G	T:T	AUSTRALIA
DPG_138	AUS1490	G:G	T:T	AUSTRALIA
DPG_636	KUNJIN	G:G	T:T	AUSTRALIA
DPG_817	Purple Straw AUS885	G:G	T:T	AUSTRALIA
DPG_957	WW2449	G:G	T:T	AUSTRALIA
lw161	KATYIL	G:G	T:T	AUSTRALIA
DPG_871	SUN325B	G:G	T:T	AUSTRALIA
lw038	AUSTRO_BANKUT	G:G	T:T	AUSTRIA
lw294	NON_PLUS_EXTRA	G:G	T:T	AUSTRIA
lw018	ADMONTER	G:G	T:T	AUSTRIA
lw070	114/62	G:G	T:T	AUSTRIA
lw036	ATUT II	G:G	T:T	AUSTRIA
lw371	Landrace	G:G	T:T	AZERBAIJAN
lw372	Arazbugdasi	G:G	T:T	AZERBAIJAN
lw271	ZANDA	G:G	T:T	BELGIUM
lw158	JUFY II	G:G	T:T	BELGIUM
DPG_191	CARAZINHO	G:G	T:T	BRAZIL
DPG_446	FRONTANA 3671	G:G	T:T	BRAZIL
DPG_674	Maringa (Rht1)	G:G	T:T	BRAZIL
lw015	664-258-18	G:G	T:T	BULGARIA
lw007	2838-39	G:G	T:T	BULGARIA
lw160	K1898-9/L200-6	G:G	T:T	BULGARIA
lw232	REDMAN	G:G	T:T	CANADA
lw310	AGATHA	G:G	T:T	CANADA
lw073	CANUCK	G:G	T:T	CANADA
DPG_614	KATEPWA	G:G	T:T	CANADA
DPG_833	Roblin	G:G	T:T	CANADA
DPG_092	AC DOMAIN	G:G	T:T	CANADA
DPG_091	AC BARRIE	G:G	T:T	CANADA
lw137	GLENLEA	G:G	T:T	CANADA
lw272	Coronation	G:G	T:T	CANADA
lw273	KITCHENER	G:G	T:T	CANADA
lw358	Krasnaya	G:G	T:T	CANADA
DPG_729	NANKING NO25	G:G	T:T	CHINA
DPG_206	CHUAN_MAI_18 (CM18)	G:G	T:T	CHINA
DPG_615	KE-HAN-NO8	G:G	T:T	CHINA
DPG_204	<b>Chinese Spring</b>	G:G	T:T	CHINA
lw206	NONG DA NO141	G:G	T:T	CHINA
DPG_484	Guisuiskaya Syao-bai-mai	G:G	T:T	CHINA
DPG_634	Kuldzhinskaya	G:G	T:T	CHINA
lw111	DONG-FANG-HONG-NO3	G:G	T:T	CHINA
lw021	AIFENG NO4	G:G	T:T	CHINA
DPG_962	XIAOYAN54	G:G	T:T	CHINA
lw239	SENTUNG	G:G	T:T	CHINA
lw341	Landrace	G:G	T:T	CHINA
lw342	Landrace	G:G	T:T	CHINA
lw344	R 1	G:G	T:T	CHINA
DPG_913	U-Man-Syao-Mai	G:G	T:T	CHINA
lw025	ANDES 56	G:G	T:T	COLOMBIA
lw257	US(62)P66	G:G	T:T	COLOMBIA
lw337	Landrace	G:G	T:T	ETHIOPIA
lw293	Hopea	G:G	T:T	FINLAND

DPG_604	JO3045	G:G	T:T	FINLAND
DPG_912	Ulla	G:G	T:T	FINLAND
lw050	BERZATACA	G:G	T:T	FINLAND
lw175	LONTOI	G:G	T:T	FINLAND
lw246	TAHTI	G:G	T:T	FINLAND
lw093	COURTOT	G:G	T:T	FRANCE
DPG_201	CHAMPTAL	G:G	T:T	FRANCE
lw091	CORSODOR	G:G	T:T	FRANCE
lw098	DAVIDOC	G:G	T:T	FRANCE
lw134	GH126	G:G	T:T	FRANCE
lw004	DI185	G:G	T:T	FRANCE
lw054	BLE D'OR	G:G	T:T	FRANCE
lw210	NOUGAT	G:G	T:T	FRANCE
lw382	DI6404-19-15	G:G	T:T	FRANCE
lw011	DI50-12	G:G	T:T	FRANCE
lw114	E108	G:G	T:T	FRANCE
DPG_891	TAFERSTAT	G:G	T:T	FRANCE
DPG_676	MARS DE SUEDE ROUGE BARBU	G:G	T:T	FRANCE
lw103	DI7003-1-12	G:G	T:T	FRANCE
lw106	DI7210-15-11	G:G	T:T	FRANCE
lw129	G7	G:G	T:T	FRANCE
lw003	DI15	G:G	T:T	FRANCE
lw006	DI276	G:G	T:T	FRANCE
lw008	DI330	G:G	T:T	FRANCE
lw043	BARBU DU FINISTERE	G:G	T:T	FRANCE
lw044	BARBU DU TRONCHET	G:G	T:T	FRANCE
lw056	BLE DE HAIE	G:G	T:T	FRANCE
lw076	CF3003-2-7-4-4-3	G:G	T:T	FRANCE
lw094	CP4	G:G	T:T	FRANCE
lw077	CF4563-1-5-3-2-5	G:G	T:T	FRANCE
lw169	KRELOF 3	G:G	T:T	FRANCE
lw195	MOTTIN	G:G	T:T	FRANCE
lw234	RICHELLE	G:G	T:T	FRANCE
lw236	ROUGE-D'ALTKIRCH	G:G	T:T	FRANCE
lw250	TRAMI~PUY DE DOME	G:G	T:T	FRANCE
lw264	BLANC DE CHENAN	G:G	T:T	FRANCE
lw265	BLE DANOIS	G:G	T:T	FRANCE
lw270	BLE BARBU DE MUROL	G:G	T:T	FRANCE
lw292	GENESIS	G:G	T:T	FRANCE
lw306	TALDOR	G:G	T:T	FRANCE
lw321	BLE DE REDON BLANC BARBU 1 1	G:G	T:T	FRANCE
lw325	BLE DE REDON ST-JUST Q21	G:G	T:T	FRANCE
lw385	SPONSOR	G:G	T:T	FRANCE
lw386	TALISMAN	G:G	T:T	FRANCE
lw268	INSTITUT 1802	G:G	T:T	FRANCE
lw350	Landrace	G:G	T:T	GEORGIA
lw352	Landrace	G:G	T:T	GEORGIA
lw364	Dolis Puri	G:G	T:T	GEORGIA
lw243	Strubes Dickkopf	G:G	T:T	GERMANY
lw219	Opal	G:G	T:T	GERMANY
lw032	Arkas	G:G	T:T	GERMANY
lw300	FRUH-WEIZEN	G:G	T:T	GERMANY

lw019	Adular	G:G	T:T	GERMANY
lw026	APEX	G:G	T:T	GREAT BRITAIN
lw182	MASTER	G:G	T:T	GREAT BRITAIN
DPG_451	G72300	G:G	T:T	GREECE
lw047	BELLIEI 590	G:G	T:T	HUNGARIA
lw183	MATRADERECSKEITF	G:G	T:T	HUNGARIA
lw196	MV MA	G:G	T:T	HUNGARIA
DPG_741	NP120	G:G	T:T	INDIA
DPG_870	Sujata	G:G	T:T	INDIA
DPG_765	PBW343	G:G	T:T	INDIA
DPG_572	INDIA 105	G:G	T:T	INDIA
DPG_575	INDIA 108	G:G	T:T	INDIA
DPG_580	INDIA 223	G:G	T:T	INDIA
DPG_582	INDIA 322	G:G	T:T	INDIA
DPG_583	INDIA 323	G:G	T:T	INDIA
DPG_585	INDIA 39	G:G	T:T	INDIA
DPG_814	Punjab Tipe 15	G:G	T:T	INDIA
DPG_815	Punjab Tipe 18	G:G	T:T	INDIA
DPG_816	Punjab Tipe 24	G:G	T:T	INDIA
DPG_930	W195	G:G	T:T	INDIA
DPG_573	INDIA 106	G:G	T:T	INDIA
DPG_775	PERSIA 21	G:G	T:T	IRAN
DPG_772	PERSIA 111	G:G	T:T	IRAN
DPG_778	PERSIA 4	G:G	T:T	IRAN
DPG_110	AMC 142	G:G	T:T	IRAN
DPG_771	PERSIA 11	G:G	T:T	IRAN
DPG_774	PERSIA 17	G:G	T:T	IRAN
DPG_776	PERSIA 28	G:G	T:T	IRAN
DPG_777	PERSIA 29	G:G	T:T	IRAN
DPG_779	PERSIA 7	G:G	T:T	IRAN
DPG_595	IRAQ 40	G:G	T:T	IRAQ
DPG_596	IRAQ 42	G:G	T:T	IRAQ
DPG_597	Iraq 43	G:G	T:T	IRAQ
DPG_1493	AUS-4885-6	G:G	T:T	IRAQ
lw220	Orlandi	G:G	T:T	ITALY
DPG_479	Granarolo	G:G	T:T	ITALY
DPG_698	Mec	G:G	T:T	ITALY
DPG_767	Pegaso	G:G	T:T	ITALY
DPG_705	Mentana	G:G	T:T	ITALY
lw040	BAIONETTE I	G:G	T:T	ITALY
DPG_807	PRECOCE-DU-JAPON	G:G	T:T	JAPAN
lw022	AKADARUMA	G:G	T:T	JAPAN
lw035	ATAKEDA KOMUGI	G:G	T:T	JAPAN
lw241	SIRAZAIAIBARIGI 2	G:G	T:T	JAPAN
lw212	NYU BAY	G:G	T:T	JAPAN
DPG_332	Cul1	G:G	T:T	KAZAKHSTAN
DPG_340	Cul8	G:G	T:T	KAZAKHSTAN
DPG_341	Cul9	G:G	T:T	KAZAKHSTAN
lw020	AFRICA MAYO	G:G	T:T	KENYA
lw240	SEU SEUN 27	G:G	T:T	KOREA
lw336	Landrace	G:G	T:T	MAROCCO
DPG_865	Sonora 64	G:G	T:T	MEXICO

DPG_805	Potam 70	G:G	T:T	MEXICO
DPG_426	EMU'S'	G:G	T:T	MEXICO
DPG_251	cid428587sid159	G:G	T:T	MEXICO
DPG_298	cid7401sid122	G:G	T:T	MEXICO
DPG_209	cid1811178sid3	G:G	T:T	MEXICO
DPG_210	cid183298sid1	G:G	T:T	MEXICO
DPG_211	cid183300sid3	G:G	T:T	MEXICO
DPG_212	cid183347sid7	G:G	T:T	MEXICO
DPG_215	cid195095sid3	G:G	T:T	MEXICO
DPG_221	cid279818sid83	G:G	T:T	MEXICO
DPG_300	cid8090sid414	G:G	T:T	MEXICO
DPG_720	Morocco 426	G:G	T:T	MEXICO
DPG_712	Mexique 9	G:G	T:T	MEXICO
DPG_330	CS(Hope3B)	G:G	T:T	-
DPG_137	AUS1408	G:G	T:T	-
DPG_139	AUS19123 (ASIA MINOR 7 1)=AMC 71	G:G	T:T	-
DPG_796	PI624933-1	G:G	T:T	-
DPG_797	PI625123-3	G:G	T:T	-
DPG_799	PI626580-4	G:G	T:T	-
DPG_1494	AUS-28080-4	G:G	T:T	-
DPG_1496	AUS-14828-6	G:G	T:T	-
DPG_1012	synthetic bread wheat with AE.SQUARE	G:G	T:T	-
DPG_922	Vigour 18	G:G	T:T	-
DPG_798	PI625983-1	G:G	T:T	-
lw099	DAYKU	G:G	T:T	NEPAL
lw142	GUDEL	G:G	T:T	NEPAL
lw147	HONGGAOAN	G:G	T:T	NEPAL
lw048	BENCHUNG	G:G	T:T	NEPAL
lw069	BUNG EPI BLANC	G:G	T:T	NEPAL
lw082	CHITLANG	G:G	T:T	NEPAL
lw084	CHYAKSILA EPI NON VELU	G:G	T:T	NEPAL
lw085	CHYAMTANG	G:G	T:T	NEPAL
lw159	JUNBESI	G:G	T:T	NEPAL
lw170	KULUNG	G:G	T:T	NEPAL
lw194	MONJO	G:G	T:T	NEPAL
lw199	NABU EPI BLANC	G:G	T:T	NEPAL
lw204	NEPAL 84	G:G	T:T	NEPAL
lw205	NEPAL 89	G:G	T:T	NEPAL
lw225	PEYKRU INERME NON VELU	G:G	T:T	NEPAL
lw235	RITAK	G:G	T:T	NEPAL
DPG_728	NACHIPUNDO	G:G	T:T	NEPAL
lw132	GAU	G:G	T:T	NEPAL
lw200	NACHIPUNDO	G:G	T:T	NEPAL
DPG_812	PROMESSA	G:G	T:T	NETHERLAND
lw013	60293	G:G	T:T	NETHERLAND
DPG_702	MELCHIOR	G:G	T:T	NETHERLAND
lw213	NZ(81)P43	G:G	T:T	NEW ZELAND
lw282	HOUMANA	G:G	T:T	NIGERIA
DPG_666	LYALLPUR-73	G:G	T:T	PAKISTAN
lw351	Soor Ghanum	G:G	T:T	PAKISTAN
DPG_081	117-var.12/564	G:G	T:T	PAKISTAN
DPG_577	INDIA 134	G:G	T:T	PAKISTAN

DPG_931	W21A	G:G	T:T	PAKISTAN
DPG_932	W21B	G:G	T:T	PAKISTAN
DPG_937	W61	G:G	T:T	PAKISTAN
DPG_938	W93	G:G	T:T	PAKISTAN
DPG_939	W96	G:G	T:T	PAKISTAN
lw363	Spin, 121-var.12/536	G:G	T:T	PAKISTAN
DPG_904	Thori, 212-var.8/1	G:G	T:T	PAKISTAN
DPG_758	Palestinskaya	G:G	T:T	PALESTINE
lw368	Landrace	G:G	T:T	PALESTINE
lw108	DIANA	G:G	T:T	POLAND
lw060	BLONDYNKA	G:G	T:T	POLAND
lw095	D130-63	G:G	T:T	POLAND
lw173	LESZYNSKA WCZESNA	G:G	T:T	POLAND
lw184	MEDRA/AURORA//HOHENTURM/DINA	G:G	T:T	POLAND
lw074	CENAD 512	G:G	T:T	ROMANIA
lw361	Sary-bugda, Gulgeri	G:G	T:T	RUSSIA
DPG_393	Dalnevostochnaya 10	G:G	T:T	RUSSIA
lw343	Sarrubra	G:G	T:T	RUSSIA
lw353	Landrace	G:G	T:T	RUSSIA
lw365	Tau-bugda	G:G	T:T	RUSSIA
lw366	Albidum 12	G:G	T:T	RUSSIA
lw096	DAERAAD	G:G	T:T	SOUTH-AFRICA
lw071	CANDEAL DE AREVALO	G:G	T:T	SPAIN
lw201	NANG NANO 140	G:G	T:T	SPAIN
lw115	EBRO	G:G	T:T	SPAIN
lw145	H93-70	G:G	T:T	SPAIN
lw277	NAVARRO150	G:G	T:T	SPAIN
lw051	BIRGITTA	G:G	T:T	SWEDEN
lw167	KOLBEN 3	G:G	T:T	SWEDEN
lw001	CH01193	G:G	T:T	SWITZERLAND
lw014	CH62022	G:G	T:T	SWITZERLAND
lw078	CH73052	G:G	T:T	SWITZERLAND
lw279	NEELKANT	G:G	T:T	SYRIA
lw214	ODESSA EXP.STA.17413	G:G	T:T	SYRIA
lw152	ICARDA079	G:G	T:T	SYRIA
DPG_660	LW349	G:G	T:T	TAJKISTAN
lw347	Landrace	G:G	T:T	TAJKISTAN
DPG_174	BT2281	G:G	T:T	TUNISIA
lw063	BT2277	G:G	T:T	TUNISIA
lw065	BT2296	G:G	T:T	TUNISIA
DPG_760	PAMUKALE	G:G	T:T	TURKEY
lw334	Landrace	G:G	T:T	TURKEY
lw335	Landrace	G:G	T:T	TURKEY
DPG_316	COPPADRA	G:G	T:T	TURKEY
DPG_975	ZILVE	G:G	T:T	TURKEY
lw360	Landrace	G:G	T:T	TURKEY
lw218	ODESSKAIA 16	G:G	T:T	UKRAINE
lw329	FANTASIYA-ODESSKAYA	G:G	T:T	UKRAINE
lw359	Stepnyachka	G:G	T:T	UKRAINE
DPG_868	Spica	G:G	T:T	USA
lw125	FRONTHATCH	G:G	T:T	USA
DPG_894	TAM 107	G:G	T:T	USA

lw256	US(59)34	G:G	T:T	USA
lw123	FLINT	G:G	T:T	USA
lw174	Little Club	G:G	T:T	USA
lw088	Compton	G:G	T:T	USA
lw049	Benni	G:G	T:T	USA
lw061	Blueboy	G:G	T:T	USA
lw255	Tyler	G:G	T:T	USA
lw312	CENTURK	G:G	T:T	USA
lw081	CHIRKUNG	-	T:T	NEPAL



Year of release	Pedigree
1983	LV-FRA[39][1735] HPG-522-66/MARIS-DOVE[306][759][851][1343][1413][1790] - (S)LV-TIBET[39][2535]
1989	- - - - - - - - - - - - - - - -
1895	(S)WARDS-PROLIFIC[56][39][1138][1451]; (S)BUDDS-EARLY[1322]
1916	FANCY/CROSSBRED-53[56][39][1138][1451]
1951	FORD/DUNDEE[39][1138]
1955	DUNDEE/KENYA-745-C-6042//BOBIN*2/GAZA[39][1138]; DUNDEE/GABO[56]
1960	LAWRENCE/GABO[56][39][1138]
1960	KENYA-117-A/2*GABO//MENTANA/6*GABO[56][39]; GABO/3/GABO*5/MENTANA//GABO
1963	MAYO-48/URUGUAY-1084//ORFED/3/4*DIRK-48[1281]; MAYO/4*DIRK-48[39]
1963	FESTIVAL/URUGUAY-C-10837[39][851][1138]; FESTIVAL/(URY)CI-10837[1335]
1966	SUNSTATE/QH-71-6//YITPI[4113]
1973	KHAPSTEIN*3/GABO//GAMENYA[39]; GAMENYA//3*GABO/KHAPSTEIN[113]; GAMENYA//C
1975	LERMA-ROJO-64/SONORA-64-A//SIB)TIMGALEN[113][1322]
1977	TIMGALEN/(SIB)CONDOR//CONDOR[760][1322]; TIMGALEN/2*CONDOR[000]
1977	SONORA-64/P-4160-3//3*TIMGALEN[760][851][113]
1979	PWTH/(SIB)CONDOR//2*CONDOR[113][760][851]
1981	WW-15/RAVEN[113][626][851]
1982	CIANO-67//SPICA/(AMBER-MUTANT)SONORA-64[113][176][760][851]
1982	KALYANSONA/OLYMPIC[176][760][113][2854]
1982	VICAM-71//CIANO-67(SIB)/SIETE-CERROS-66/3/KALYANSONA/BLUEBIRD[176][114][144][
1982	BOKAL/SIETE-CERROS-66[113][851][626][760]
1982	CIANO-67/GAMENYA[626][760][113]
1982	PWTH/(SIB)CONDOR//2*CONDOR[113][760][851]
1983	FLINDERS(SIB)/2*COOK[176][976][851]
1984	SONORA-64/KNOTT*2//II-8156(DX-3-134)/3/OLYMPIC[113][851][976]; DS-3-134/OLYMP
1984	PAVON-76/CONDOR[2854][3756]
1984	AUS-10894/4*CONDOR[760][851][976]
1984	(S)CONDOR[760][976]; WW-80/2*WW-15[1281]
1985	FARRO-LUNGO/HERON//2*CONDOR/3/(SIB)QUARRION[760][1322]; FARRO-LUNGO/HERC
1985	WREN,MEX//CIANO-67(SIB)/NOROESTE-66/3/ZAMBEZI
1985	MEC-3/2*GABO(RAC-177)//MADDEN[626][113]
1986	BODALLIN(SIB)/(SIB)HYDEN[626][976][760][113]
1986	SUN-9-E-27*4/3-AG-14//WW-15/3/3*COOK[760][113]
1988	MEXICO-120/KODA//RAVEN/3/MENGAVI/SIETE-CERROS-66[708][760]

1988 CIANO-67/GALLO[626][708][760]  
1989 3-AG-3/4\*CONDOR//COOK[723][760][1325]  
1989 QT-3765/SUNCO[3596]  
1989 BODALLIN//GAMENYA/INIA-66[626][760][113]  
1990 RAC-177(Sr26)/UNICULM-492//RAC-311-S[1326]  
1990 3-AG-3/4\*CONDOR//COOK[760][113]  
1990 CANROCK-1/2\*P-44//BANKS[755][760][113][707][1350]; CANROCK-1/2\*CSP-44//BANKS[7  
1990 COOK\*2/VPM-1//3\*COOK[626][760][1322]  
1991 BROCHIS(SIB)/BANKS[626][816][113]  
1992 BOBWHITE/NACUZARI-76//VEERY/3/BLUEJAY/COCORAQUE-75[1281]  
1992 CENTRIFEN/GAMENYA(F3)//GAMENYA/3/JACUP[113][4094]  
1993 QT-2338/4\*HARTOG[113][1345][816]  
1993 HARTOG\*4//COOK\*5/VPM-1[3766]  
1994 POTAM-70/4\*COOK[113][1345]  
1994 AROONA\*3//(AUSEN-VII-95)TADORNA/INIA-66[1340][113][2854]; AROONA\*3//AUSEN-VII  
1994 COOK\*2/VPM-1//3\*COOK[1345][3766]  
1994 BODALLIN//(74-W-07-47)ERADU/XBVT-233/3/(75-W-04-258)ATLAS-66/2\*MADDEN[1340  
1995 HARTOG\*2/SUNECA[113]; HARTOG/SUNECA[2854]  
1996 BOLSENA-1-CH(RAC-529)/77-W-660[3763]; RAC-529-911/77-W-660[3442]  
1997 PITIC-62/FESTIGUAY//WARIMBA/3/MEXICO-120/QUADRAT/4/KLOKA/PITIC-62//BAYONET  
1997 CO-1190-203/84-W-127-501[3767][4094]  
1997 VICAM-71//CIANO-67/SIETE-CERROS-66/3/KALYANSONA/BLUEBIRD[1866]; VICAM-71/3/(  
1997 CHINO/KULIN//REEVES[2854]  
1998 KITE/2\*OSPREY//HARTOG/OSPREY[2854]  
1998 INIA-66/GAMUT//COOK/4/JUPATECO/3/LERMA-ROJO-64/SONORA-64-A//SIB)TIMGALEN  
1998 HARTOG/VEERY-5[1957][2854][3765]  
1998 WARIQUAM//KLOKA/PITIC-62/3/WARIMEK/HALBERD/4/3-AG-3/AROONA[1866][2854]; V  
1998 KALYANSONA/BLUEBIRD//ANZA\*3/WW-80/3/OLYMPIC\*2/CIANO-67[2854]; B-1814//WV  
1998 PAVON-76(SIB)/TM-56[2854][3764]  
1999 LANCE\*2/3/CONDOR\*3//3-AG-14/CONDOR/4/4\*TINCURRIN/5/TATIARA\*3//COOK\*5/VPM  
1999 VULKAN/3\*JANZ[2854]  
1999 M-3458/OSPREY[1349][3756]  
2001 HARTOG\*3/QUARRION[3775]  
2001 JANZ\*4/FIDEL[3758]; JANZ\*4/FIDEL-FS-2[3758]  
2002 PASTOR/3/ALTAR-84/AE.SQ(TR.TA)//OPATA-M-85[3692]  
2002 M-3508/DOLLARBIRD[3777]  
2003 VICAM-71/3\*SUNECA//SUN-231-A[3596]  
2004 BOBWHITE(SIB)/NARIS-HUNTSMAN//CRANBROOK/VICAM-71(83-Z-1288)/3/(IW-1266)PF/  
2004 SUNVALE/ROWAN[3596][3780]  
2004 -  
2005 ATTILA//ALTAR-84/ARAOS/3/ATTILA[3596]  
2005 VPM-1/3\*BEULAH//SILVERSTAR[3810]  
2005 KALANNIE/81-Y-970  
2006 VN-150/VN-715[3799]  
2006 BOWIE//BERSEE/3\*BINDAWARRA-126937/3/BOWIE[3755]  
2006 VPM/4\*SUNBROOK[3791]  
2006 BINDAWARRA/BOWIE//3-AG-3/WYUNA[3750]  
2006 NESSER/2\*VI-252[3751][3792]  
2007 (DH)RAC-875//EXCALIBUR/KUKRI/3/RAC-875//EXCALIBUR/KUKRI[3794]  
2007 VL-709/KRICHAUFF[3795]  
2007 VI-184/SILVERSTAR[3795]  
2007 LEVELHEAD//BLOCKHEAD/KINGS-JUBILEE[39][1138]

2008 VPM-WESTONIA/WESTONIA[3800]  
 2008 CGS-94-Y-00005-S/SUPER-KAUZ[3798]  
 2008 (DH)SUNBROOK/H-45[3596][3795]  
 2008 (DH)ANNUELLO/2\*STYLET[3798]  
 2008 JANZ/SUN-129-A[3796]  
 2008 CNT-3/4\*3765//2\*CUNNINGHAM/3/2\*SUNVALE[3875]  
 2009 KLASIC/84-Y-1426(96-Y-119)/(86-Y-204-13-23)PFAU/REEVES[3882]  
 2009 JANZ/CIMMYT-LINE[3875]  
 -  
 -  
 -  
 CHA/MENGAVI-8156//CIANO-67(SIB)/GALLO//BEZOSTAYA-2(CO-2224)/3/RAC-309-S[133]  
 RAC-655//SR21/4\*LANCE/3/4\*BAYONET  
 JACINTH(Colorado)/(RUS)LADOGA[37][38][39][1138][1446]; LADOGA/(AUS)JONATHAN[7.  
 BOBIN(S)/(TR.DR)GAZA/(S)BOBIN[56][39][1173]; GULAR/(TR.DR)GAZA//GULAR[851]; BOE  
 -  
 SPICA/KODA//GABO/3/(SIB)MENGAVI[39][117][1138]  
 AUS-1408/3\*JANZ//CUNNINGHAM[3936]  
 WESTONIA/2\*PERENJORI-26[4094]  
 NI-601-95/(SUN-64-G)SUNDOR[1350]  
 PENJAMO-62/4\*GABO-56//TEZANOS-PINTOS-PRECOZ/NAINARI-60[279][1318]  
 PROBSTDORFER-GIGANT/HP-35719//PROBSTDORFER-POKAL[2535]  
 (S)TRESOR-18[39][1446]  
 FRONTANA/KENYA-58[145][1765]  
 VERANOPOLIS\*2/EGYPTIAN-101[39][145][1765]  
[PRELUDIO/L-10//ESTANZUELA-TARARIRAS\[2965\]](#)  
 -  
 N-234,BGR/S-13,ITA//BEZOSTAYA-1[851][1041][1294]  
 BLUEBIRD/INIA-66//2\*TEZANOS-PINTOS-PRECOZ/3/3\*ANDES-ENANO[299][606]  
 1955 MENTANA/FLORENCE[39][1322]; MENTANA/FLORENCE-AUORE[145][1765]  
 1970 CIANO-67(SIB)/3/SONORA-64/KLEIN-RENDIDOR//SIETE-CERROS-66[39]; CIANO-67//SONO  
 II-21563/ANHINGA//FLAMINGO,MEX[145][115][1765]; JORI-C-69(SIB)/(SIB)ANHINGA/(S  
 1927 SUN-129-A/SUNVALE[3875];  
 -  
 -  
 ZLATNA-DOLINA/GALLINI[133]  
 1899 LV-CECHY[761]; (S)LV[851]  
 1985 NS-984-1//MIRONOVSKAYA-808/MOISSON[201][851][1592][1865]  
 HODONINSKA-HOLICE/HEINES-KOGA/3/CARSTENS-V/HODONINSKA-OSINATKA//HEINES-KI  
 AVRORA/SO-985//PD-5517[40][1592][1865]  
 SO-985/KAVKAZ[69][1592]  
 -  
 -  
 -  
 -  
 1946 VILMORIN-27/HYBRIDE-DU-JONCQUOIS[37][39][145][1790]  
 1948 SAISSETTE-54/SAISSETTE-D-ARLES[39][1790]  
 1954 PROVIDENCE/SZEKACS//K-3/ORO[39][1790]  
 1961 VILMORIN-27/HYBRIDE-DE-JONCQUOIS  
 1994 KAVKAZ/MARIS-DOVE//FIDEL[1790]  
 COTE-D-OR/MARIVAL[39][1790][2331]; OSCAR-BENOIST/BON-FERMIER[2331]  
 -

K-3/HATIF-INVERSABLE/3/K-3/HATIF-INVERSABLE//LIBERATOR/4/PRECOCE-DE-JUILLET/ZABLE-DES-DOMES/PEVELE  
 -  
 MAGDALENA,FRA/CAPPELLE-DESPREZ[39][1790]  
 TARASQUE/MATCH//PURSANG/ARMINDA[1790]  
 -  
 -  
 PROVIDENCE/?[39][1322]; (DER)PROVIDENCE[000]  
 CHAMPLEIN/FD-2816-348[39][418][1531][1790]  
 -  
 VILMORIN-27/ILE-DE-FRANCE//SQUAREHEAD[39]; ILE-DE-FRANCE/VILMORIN-27//BLE-A-E  
 -  
 -  
 -  
 -  
 -  
 AE.VE/TR.DN//CAPPELLE-DESPREZ/61[1790]  
 -  
 KRANICH/CARIBO[667][851][1895]  
 RECITAL/FIDEL//CORDIAL[2770]  
 AXIAL/NRPB-84-4233[2530][4208]  
 -  
 -  
 BELLEVUE/CAPPELLE-DESPREZ  
 -  
 -  
 -  
 ALLIES/HATIF-INVERSABLE-BARBU//RIETI[39][1790]; RIETI/PARSEL[39][1446]  
 MIRONOVSKAYA-808/MARIS-HUNTSMAN//VPM-1/MOISSON/3/COURTOT[1790]; MIRONC  
 -  
 LV-DE-DORDOGNE[1790]  
 -  
 -  
 -  
 TRIBUTE,FRA/VS-73644-9-4-1  
 -  
 -  
 -  
 -  
 AE.VE/TR.TG//MOISSON/COURTOT[2535]  
 -  
 1979 MARIS-FREEMAN/MARIS-DURIN  
 NORMAN/DISPONENT[1070]; DISPONENT/NORMAN[1257][1790]; NORMAN(SIB)/DISPON  
 -  
 1957 -  
 TOBARI-66/II-8156-R//BEZOSTAYA-1[113][752];  
 LILLA/MV-8[1790]  
 -  
 1967 PENJAMO-62(SIB)/GABO-55[39][114][144][1324]/ Historical T or S  
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LV-IND[113]  
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-  
V-761-28-J4-B2-N28  
LEE//(SEL.29-LC)NORIN-10/BREVOR[39][2681]  
-  
1916 IBRIDO-21/AKAKOMUGI  
1940 DARUMA/FULTZ//TURKEY-RED[1281]  
1944 NORIN-9/SHINCHUNAGA[667][841][851]; NORIN-9/SINAKANA-2-A[39][1322]  
1949 WASEKOMUGI/NORIN-3[841][667][851][2822]; HAYAKOMUGI/NORIN-3[3918]  
1979 USHIOKOMUGI/D.W.SEL.71//HIYOKUKOMUGI[840][841]  
HOKKEI-8/HOKKAI-240[39][40][840][841][851]; KITAKEI-8/HOKKAI-240[2847]  
FUKUOKAKOMUGI-18/SHINCHUNAGA[39][667][841][851]  
SAIKAI-120/USHIOKOMUGI[841][851]  
-  
-  
-  
-  
1951 KENYA-223-F-1-A-3/KENYA-294-M-7-C-8[39]; KENYA-223-F/KENYA-294-M[113]; KENYA-22  
1958 -  
1962 YAKTANA-54//(SEL.26-1-C)NORIN-10/BREVOR[39][954][145][114][144][1765]  
1966 LERMA-ROJO-64/SONORA-64[39][953][145][114][144][1335]  
1970 YAKTANA-54//NORIN-10/BREVOR[39][2331]  
1979 BUCKY/(SIB)MAYA-74/4/BLUEBIRD//HD-832.5.5/OLESEN/3/CIANO-67/PENJAMO-62[114]  
1981 BLUEBIRD/3/2\*INIA-66/NAPO-63//II-20350/4/F2-UNKNOWN[114][144]; BLUEBIRD/3/IN  
1981 KAVKAZ/(SIB)BUHO//KALYANSONA/BLUEBIRD[114][144]; KAVKAZ/KALYANSONA/4/INIA-6  
1985 BLUEJAY(SIB)/JUPATECO-73[144]  
1987 PITIC-62/FRONDOSO/3/PITIC-62/MAZOE//MEXIPAK[1281]/ Reportedly boron efficient (g  
1988 PEREGRINE/PF-70354/4/KALYANSONA/BLUEBIRD//ALONDRA/3/MARINGA[1281]  
1993 PFAU/SERI-82(CID-93300//BOBWHITE[2964]  
2002 IRENA/BAVIACORA-M-92//PASTOR[3692]; IRENE/BABAX//PASTOR[000]  
2002 BABAX\*2/9/KENTANA/BAGE//FRONTANA(FN)/(U)URQUIZA-O-GRAL.URQUIZA/3/BONZA/4/  
2002 CROC-1/AE.SQ(224)//OPATA-M-85/3/PASTOR[3692]  
VOROBEY  
-  
-  
FNBW74013-52  
-  
BAW898  
TACUPETO F2001  
-  
-  
NAVOJOA (ATTILA/PASTOR)  
-  
CROC\_1/AE.SQUARROSA (213)//PGO/3/BAV92  
-  
-

-  
-  
PASTOR//SRMA/TUI/3/SAAR  
-  
CROC\_1/AE.SQUARROSA (224)//OPATA/3/BJY/COC//PRL/BOW/4/BJY/COC//PRL/BOW  
-  
JNRB.5/PIFED  
ALTAR 84/AEGILOPS SQUARROSA (TAUS)//OPATA/3/ATTILA  
CACUKE  
-  
-  
-  
PARUS/3/CHEN/AE.SQ//2\*OPATA  
CHIR3/4/SIREN//ALTAR 84/AE.SQUARROSA (205)//3/3\*BUC/5/PFAU/WEAVER  
-  
-  
SLVS/ATTILA//WBLL1  
BAVIS #1 (SHARP/3/PRL/SARA//TSI/VEE#5/5/VEE/LIRA//BOW/3/BCN/4/KAUZ)  
SUNCO/2\*PASTOR  
WORRAKATTA/2\*PASTOR  
W15.92/WBLL1  
CROC\_1/AE.SQUARROSA (224)//OPATA/3/WBLL1  
FRTL//ATTILA/3\*BCN  
SOKOLL/WBLL1  
PASTOR//HXL7573/2\*BAU/3/WBLL1  
-  
SERI/BAV92//WBLL1  
PRL/2\*PASTOR/4/CHOIX/STAR/3/HE1/3\*CNO79//2\*SERI  
-  
SOKOLL/3/PASTOR//HXL7573/2\*BAU  
CROC\_1/AE.SQUARROSA (224)//OPATA/3/SOKOLL  
FRTL/SOKOLL  
PUB94.15.1.12/FRTL  
MEX94.2.19/PUB94.15.1.12  
PASTOR//HXL7573/2\*BAU/3/MEX94.2.19//ATTILA/3\*BCN  
MEX94.2.19//SOKOLL/WBLL1  
-  
-  
WBLL4//OAX93.24.35/WBLL1  
PUB94.15.1.12/3/FRTL//ATTILA/3\*BCN  
WHEAR//2\*PRL/2\*PASTOR  
-  
ATTILA/3\*BCN  
GRANERO INTA  
-  
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-  
CIMMYT HTWYT (High temperature wheat yeald trial) line  
CIMMYT HTWYT (High temperature wheat yeald trial) line  
CIMMYT HTWYT (High temperature wheat yeald trial) line  
CIMMYT HTWYT (High temperature wheat yeald trial) line  
CIMMYT HTWYT (High temperature wheat yeald trial) line



AE.SQUARROSA (1029)/DVERD\_2  
 68.111/RGB-U//WARD RESEL/3/STIL/4/AE.SQUARROSA (188)  
 -  
 YAV79//DACK/RABI/3/SNIPE/4/AE.SQUARROSA (460)/5/EXCALIBUR/6/SUNCO  
 -  
 STY-US/CELTA//PALS/3/SRN\_5/4/AE.SQUARROSA (502)  
 SCA/AE.SQUARROSA (518)  
 OCI//TJB368.251/BUC/3/CROC\_1/AE.SQUARROSA (205)//KAUZ/4/NL 682  
 GREEN/AE.SQUARROSA (458)  
 CROC\_1/AE.SQUARROSA (507)  
 ALTAR 84/AE.SQUARROSA (221)//PASTOR/3/PASTOR  
 SCOT/MEXI\_1//AE.SQUARROSA (314)  
 CETA/AE.SQUARROSA (327)//2\*JANZ  
 2002 -  
 2008 BRIMSTONE\*2/HARTOG//3424.11.04.1[3798]  
 INDIA-9/2\*SOLID-STRAW-TUSCAN(F8)//DREADNOUGHT/3/CROSS-7//FEDERATION/KENYA  
 1979 RAVEN/(MEX)1966-ISWRN-430[851][1348][2833]  
 -  
 -  
 PITIC-62/GABO-55//C-271  
 LV-Ivanovo,Yaroslavl[12][519]; INTROD.FROM\_POL[2189]  
 1928 LV[39]  
 1955 LV-PRT[39]  
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 1990 INIA-66\*3/AG.DI[3599]  
 -  
 LV-Soria  
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 LV-FRA,CHE[39]; (S)BLANC-DE-SAVOIE  
 (S)LV[39]  
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 -  
 PITIC-62/II-53-526//SONORA-64[2535]  
 1993 TAW-23833-73/3/GAINES/6\*MIRONOVSKAYA-808//ALCEDO[1056][1369][1724]  
 -  
 ESTANZUELA-TARARIRAS/3/TOBARI-66//KLEIN-PETISO/RAFAELA[145][1765]  
 1973 SCOUT/5/KENYA-58/NEWTATCH/3/CHEYENNE/TENMARQ//MEDITERRANEAN/HOPE/4/P  
 1994 PIKE/MO-9965[1519]; PIKE/MO-9965/3/STODDARD/BLUEBOY//STODDARD/D-1707[317  
 2000 ND-674/ND-2710//ND-688[3227][3328]  
 -  
 (S)HAYNES-BLUESTEM[39][1110]; (S)BLUESTEM[5]  
 NORIN-10/BREVOR[1281]  
 ODESSA/TURKEY[39][1110][1451]  
 BACKA/BEZOSTAYA-1//MIRONOVSKAYA-808/3/NS-433/4/SKOROSPELKA-35





1912 NORTHERN-CHAMPION/CRETAN//LITTLE-CLUB[56][37][39][1138][1451];  
1920 (S)KINGS-EARLY[56][76][39][1138][1451]  
1921 HUDSONS-EARLY-PURPLE-STRAW/GLUYAS[56][39][1138]  
1924 GALLIPOLI/3/CURRAWA//INDIAN-4-E/FEDERATION[39][37][1138]; INDIAN-H/FEDERATION  
1924 INDIAN-F/FEDERATION[56][39][1138][1451]  
1926 GALLIPOLI/YANDILLA-KING[39]; (S)GALLIPOLI[56][113][1451]; CLUB-WHEAT/YANDILLA-K  
1927 HARD-FEDERATION/CLEVELAND//SANDS[56][39][1138][1451]  
1929 (S)BENCUBBIN[56][39][1138]  
1929 NABAWA/GLUYAS-EARLY[56][39][76][1138]; GLUYAS-EARLY/NABAWA  
1933 (S)GLUYAS[1451]; (S)WARDS-PROLIFIC[39][56][1138]  
1941 GHURKA/3/CURRAWA//MAJOR/GALLIPOLI[56][37][39][1138]  
1946 (S)PINDAR[56][39][1138]  
1948 NABAWA//RIVERINA/HOPE[56][39][40][1138]  
1959 R.D.R./4\*INSIGNIA-49[38][56][1138][1335]  
1960 BENCUBBIN//DUNDEE/GULAR/3/GULAR[56][39]; GULAR//DUNDEE/GULAR/3/BENCUBBIN  
1969 THATCHER/SANTA-CATALINA//MAYO-54/3/GABO\*3/CHARTER[39][117][1308][1345]; CH/  
1969 VERNSTEIN/CI-12632[117][591][215]  
1969 SCIMITAR/KENYA-C-6042//BOBIN/3/INSIGNIA-49[39][626]  
1973 HERON/2\*WW-15[39][113][2854]  
1973 NORIN-10/BREVOR(SEL.14)//4\*EUREKA-2/3/T-A/3\*FALCON/4/THATCHER/AG.EL(T-A)//4\*F  
1977 PEANUT-OIL-OLYMPIC-MUTANT-132-A/SOUTH-AFRICAN-184-P-2-AIF//OLYMPIC[760][113  
1978 GLUCLUB/3/CHILE-1-B//INSIGNIA/FALCON[626][760][851]  
1978 WW-15/RAVEN[760][851][1322]; South Australia  
1979 WW-119/WW-15//EGRET,AUS[113][760][851]  
1979 SONORA-64/YAQUI-50-ENANO//GABOTO/II-8156[626][144][760]  
1982 GAMENYA//GABO\*3/KHAPSTEIN(M-146)/3/(66-W-02)FALCON\*3/CHILE-1-B[113][176][76  
1982 NORIN-10/BREVOR(SEL.14)//(SIB)KITE/3/KITE[690][676][1484]  
1983 RAC-111/INSIGNIA[626][760][976][113][176]  
1983 RAC-111/INSIGNIA[626][760][976][113][176]  
1983 CONDOR,AUS/4/2\*WW-15/3/STEINWEDEL/YAROSLAV-EMMER//LA-PREVISION[113][176]  
1984 DARF\*4/3-AG-14[760][976][113]  
1985 3-AG-14/4\*CONDOR//5\*OXLEY[851][1345][113]  
1985 CONDOR/PITIC-62//(SIB)CONDOR[760]  
1986 (F1)CONDOR//CIANO-67/2\*OLYMPIC(A-LINE)(MS)/4/(R-LINE)KITE/3/DIRK-R-LINE//DEKALF  
1988 PITIC-62/FESTIGUAY//2\*WARIGAL[708][760]  
1993 VPM-1/5\*COOK//4\*SPEAR[113][2755]  
1994 VEERY(SIB)/QUARRION[1340][1349][2854]  
1996 -  
1997 MOLINEUX/3\*DAGGER[1866][2854]  
1998 HORNET/B-65[2854][3768]  
1998 KULIN/2\*BLADE[2854]; BLADE/2\*KULIN[3768]  
1999 MADDEN/6\*RAC-177//GRAJO/76-ECN-44[2964]; SR13\*3//76-ECN-44/76-ECN-36[000]; C  
2002 Sr9e/3\*WARIGAL//3\*AROONA[3752]; 83-Z-1048/82-Z-1097[3752][3781]; 3-AG-3/4\*COI  
2004 86-Z-522-62/83-Z-1175[3793]  
2004 79-W-793/83-W-1087[3781]  
2007 (DH)RAC-875/KRICHAUFF//EXCALIBUR/KUKRI/3/RAC-875/KRICHAUFF/4/RAC-875//EXCA  
2007 CARNAMAH/TAMMIN-18[3800]  
2007 VN-150/VN-715[3799]  
2008 RAC-875/YITPI[3792]  
2008 (DH)RAC-875/KRICHAUFF//EXCALIBUR/KUKRI/3/RAC-875/KRICHAUFF/4/RAC-875//EXCA  
2008 WYALKATCHEM/STYLET//WYALKATCHEM  
2009 (DER)EGA-BONNIE-ROCK[3879]

WAGGA-13/(S)MARSHALLS-3[39][1138]  
 COWAN-SELECTION/DUNDEE[2619]; Australia  
 -  
 (S)IMPORTED-CULTIVAR[113]  
 QT-3604/WW-725[1350]  
 AUS-10894/4\*OLYMPIC[760][851][113]  
 HARTOG\*2//VASCO/AUS-1408[2964]; Australia  
 1948 (S)BANKUTI-1201[1781]; BANKUTI/MARQUIS[85]; THEISS/MARQUIS[39][1592]; (S)BANKU  
 -  
 THATCHER/KRONEN,SWE  
 THEISS/KANADISCHE-DICKKOPF  
 STAMM-S-64/STAMM-MR-14-5//NS-1563[39]; STAMM-264/STAMM-14-5//NS-1563  
 -  
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 TRESOR,FRA/STAAL[39]  
 JUBILE/FYLGIA[39]; JUBILEGEM/FYLGIA[2946]  
 1957 COLONISTA/FRONTANA[37][39][145][1765]  
 FRONTEIRA/MENTANA  
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 1946 REGENT,CAN/CANUS[37][39][221][1032][1111][1323]  
 1965 AGRUS/6\*THATCHER[47]; THATCHER\*5/AGRUS(M)//THATCHER[117]  
 1974 CANTHATCH//(4351-331)CT-609/RESCUE[39][489][480][748]  
 1981 NEEPAWA\*6/RL-2938/3/NEEPAWA\*6//CI-81542/2\*FROCOR[590][1323]  
 1986 RL-4302/RL-4356//RL-4359/RL-4353[1126][851]; BW-15/BW-38//BW-40/RL-4353[393]  
 1993 BW-83/ND-585[3894][3936]  
 NEEPAWA/COLUMBUS(CID-188385)//BW-90[1323][1577][1792]  
 UM-530/(MEX)CB-100[39][1323][2331];  
 PENTAD/MARQUIS[39][40][74]; H-44-24/MARQUIS[1323]  
 (S)MARQUIS[10][39][74][1110]  
 -  
 1937 LV-Jiagsu  
 1965 69-1776/663[3499]  
 1975 KEZHEN/KEHONG[1334][3492]  
 -  
 NONGDA-183/VIRGILIO//NONGDA-183-916[2535]  
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 -  
 (S)NONGDA-45[1334][3492]  
 XIANNONG-39/58-18-2//FENGCHAN-3  
 (S)XIAOYAN-6[3939]; ST-2422-464/XIAOYAN-86[000]  
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 1956 KENTANA-48/FRONTANA//MAYO-48  
 SIB/MARTIN//M/2\*RED-WAVE[2535]  
 -  
 1936 RUSKEA/MARQUIS[39]

1975 ERTUS/VAKKA[221][1252][1786]  
 1975 TAMMI/TA-c-4431[39][69][221][667][1335][1786][1930]  
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 -  
 KARN-I/JO-0172[38][39][1786]; KARN-II/JO-0172[221]  
 1974 MEXIQUE-50/B-21-VERSAILLES[418][39]  
 1986 MARIS-HUNTSMAN/R-267[1790]; MARIS-HUNTSMAN/(LINE\_FROM\_BENOIST)H-76267[13  
 1994 HOBBIT/1073.32//ADAM[1347][1790]  
 MARIS-HUNTSMAN/CASSIUS//CASSIUS[1346][667]; MARIS-HUNTSMAN/2\*CASSIUS[1790]  
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 Benoist 40\*Professeur Delos  
 MARIS-HUNTSMAN/3/022453/R-3669//POPPY[1790]; MARIS-HUNTSMAN/022-453/R-36  
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 LV-Sahara[39]  
 LV-FRA[1790]  
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 LV-FRA  
 (S)MC-XXII  
 LV-NORFOLK[39]; LV-FRA  
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 EPI-CARRE/KRELOF//HATIF-INVERSABLE[2770]  
 LV-HAUTE-SAVOY[39][1790]  
 LV-FRA[1790]  
 (S)ROUGE-D-ALSACE[1790]  
 (S)FLORENCE-AUORE[1790]  
 LV-FRA[1790]  
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 LV-FRA[1790]  
 ARMINDA/MOULIN[1413][1790]; ARMINDA/TJB-363[1346]  
 GA-600/LOGOR//SOISSONS[2770]  
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 RIETI/GROS-BLEU[39][1446][1790]  
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 LV-GEO[37][9][11][39][1448]  
 1895 (S)ENGLISH-SQUAREHEAD[6][946][1322]; (S)SQUAREHEAD[233][1592]  
 1959 TRIESDORFER-21-40/RUMKERS-ERLI[1102][40][851][667][1643]  
 LICHTIS-FRUH/MERLIN,DEU//OPAL/3/FIRLBECK-I/HALLE-MH-6706-47[39]; LICHTIS-FRUH,  
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(S)THORI[541]  
LV-PALESTINE[000]  
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CARSTENS-V/HODONINSKA-OSINATKA//KOGA[39]  
OSTKA-GRODKOWICKA/SQUAREHEAD-GRODKOWICKA  
MALGORZATKA-UDYCKA/PETIT-QUINQUIN[39][946]  
-  
-  
KOOPERATORKA/BANKUTI-1205[39][2834]  
1928 LV-Dagestan[000]  
1985 MONAKINKA/ACADIA[28][1156][1369]  
BELOTURKA/POLTAVKA[143][11]  
-  
LV-Dagestan[000]  
(M)PPG-870[1353][2836][2913]  
1958 UNIE-52-A/KRUGER[39]  
-  
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NEBRED/ARAGON-0-3  
H-1-1(TR.DR)/(AE.VE)AP-1/(TR.AE)ALMATENSE-H-10-15[788]  
-  
EXTRA-SQUAREHEAD-II/TYSTOFTE-SMAAH  
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1972 TEZANOS-PINTOS-PRECOZ/SONORA-64//LERMA-ROJO-64/SONORA-64/3/SONORA-64-A//S  
PITIC-62/II-53-526//SONORA-64  
SONORA-64/KLEIN-RENDIDOR  
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(S)BANATKA,UKR[1448]; (S)BANATKA-KHERSONSKAYA[6][2706]  
1952 MACVICAR/PB-1-87-WW-149[2965]  
1963 FRONTANA/KENYA-58//NEWTHATCH[39]  
1984 TAM-105\*4/AMIGO[293][607][982][1078]

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LV-EASTERN-USA[1110]

LV-CHL[1318]

FULHIO/PURKOF/3/TRUMBULL//HOPE/HUSSAR, USA/5/FAIRFIELD/4/PI-94587/3/HUNGA  
BENHUR(SIB)/FORLANI[186][483][683][851][2331]

NORIN-10/BREVOR(SEL.14)//ANDERSON/COKER-55-9

BLUEBOY//THORNE\*5/199-4/3/VA-68-24-42[330][685][186][1318]

KENYA-58/NEWTATCH//HOPE/2 \*TURKEY/3/CHEYENNE/4/PARKER[273][161][39][867][2

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\*2/KENYA-117-A[626]; GABO/4/GABO\*5/MENTANA//2\*GABO/3/KENYA-117-A[1138]

GABO\*3/KHAPSTEIN[000]

760]

IC[760]

N(19-FM-74)//3\*CONDOR/TA-3-PNB-3-P/WW-33-G/CONDOR\*2/WW-33-B[1349]

755][760]

I-95/QUALSET-601-20[2770]

)]][3762]

][1866]

CIANO-67/SIETE-CERROS-66//KALYANSONA/BLUEBIRD[2854]/ mapping population parent

[2854][3766]; QT-2327/COOK//QT-2804[3596]

VARIQUAM//KLOKA/PITIC-62/3/HALBERD/4/3-AG-3/AROONA[1832] - mapping population parent  
V-15/QT-7605[3770]

M-1[2854]; TINCURRIN\*4/3/LANCE\*2/CONDOR\*4/3-AG-14-14/TATIARA\*3//COOK\*5/VPM-1[3596][3761]

AU[3793]

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3IN\*2/GAZA[113]; BOBIN-W-39//BOBIN-W-39/GAZA[1281];

RA-64/KLEIN-RENDIDOR/3/II-8156[145][114][144][1765]

IB)FLAMINGO,MEX[851]

JGA[1592]; HODONINSKA-HOLICE/KOGA//(S)DIANA-I[39][2370]

INDA[1790]; K-3/HATIF-INVERSABLE//K-3/HATIF-INVERSABLE[39]; K-3/HATIF-INVERSABLE//K-3/HATIF-INVER:

PI-CARRE-TYPE-HEINES-VII[40][1052][1790]

OVSKAYA-808/MARIS-HUNTSMAN/3/VPM-1/MOISSON//COURTOT[1790]; MIRONOVSKAYA-808/MARIS-HUNT

ENT[1346][1413][1478]

3/KENYA-294[517]; KENYA-223\*4/KENYA-SETTLER[2331]

][144]

IA-66(SIB)/NAPO-63\*2//II-20350[39]

6//LERMA-ROJO-64/BLUEBIRD/3/2\*BLUEBIRD[USLOVNO]

ood fertility under bow B conditions)

^TORIM-73/5/ALDAN/6/SERI-82/7/YECORA-70/8/OPATA-85[3589]



MN72252/5/SHI4414/CROW/7/METSO

OSA (TAUS)/4/WEAVER

-744

AWNEE/CHEYENNE[39][803][1322]

1]



I-60/3/TOKWE[2331]

51]; YANDILLA-KING/PURPLE-STRAW[74]; PURPLESTRAW-14-A/YANDILLA[1322];  
S\*2/IMPROVED-FIFE//IMPROVED-FIFE/EDEN,AUS[145][1111][1765][1451]

√//CURRAWA[56][1451]; ZAFF/YANDILLA-KING[39];

ING[1322]

√[76][1138]; DUNDEE/GULAR//BENCUBBIN(F4)/3/GULAR[113];  
ARTER/3\*GABO/3/SANTA-CATALINA/THATCHER//MAYO-54[2331]

FALCON/5/THATCHER/AG.EL(T-A)//5\*FALCON[39][113][1322]  
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0][851][1335]

[[760][851][976]

3-436-R-LINE/PRIMEPI[591][113]

O-1213/RAC-549[3758]; DRP((FRONTANA/KENYA-58//N10B/G55)NAINARI-60)/(TOBARI-66/CIANO-67//TOB  
DOR//3\*MILLEWA/3/BODALLIN[3752];

LIBUR/KUKRI[3794]

LIBUR/KUKRI[3794]

TI-5[000]

2]

47][1642]

|

i69/POGGY[1642]; MARIS-HUNTSMAN/3/022453/R-3669//CORIN[000]

//OPAL/SOLO[1252]; LICHTIS-FRUH/HEINE-STAMM/OPAL/SOLO[1531];

REGENT-1974/3\*CZECH REPUBLICCHOSLOVAKIA//2\*C-591/3/819/C-281[39][1322]; REGENT-1974/3\*CZECH  
7]

ISHIROBORO[2831]

'NAPO-63//NOROESTE-66/ERA,USA/3/BUEBIRD/GALLO,MEX[000];

ELKIRK\*3/ANDES[39]

RIAN//FULTZ/HUNGARIAN/8/LAPORTE/7/MINHARDI/WABASH/5/FULTZ/HUNGARIAN//IL-1/3/WABASH/4/F.

331]









SABLE/3/LIBERATOR//PRECOCE-DE-JUILLET/ZANDA[1052]

FSMAN/3/VPM-1/MOISSON//9\*COURTOT[2839]













ARI-66/8156/3/CALIDAD//BLUEBIRD/CIANO-67)/2/MADDEN/6\*RAC-177[3758];





† REPUBLICCHOSLOVAKIA//C-591/3/P-1-19/C-281[543]; REGENT-1974/CH-23//2\*C-591/3/P-19/C-281[793





AIRFIELD/6/REDCOAT//WISC-245/AFGHANISTAN/9/KNOX\*4/PD-5127/10/KNOX\*2/FREX//(SIB)RILEY[283]





























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