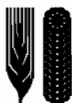




CIMMYT

Semidwarf Bread Wheats

Names, Parentages,
Pedigrees, and Origins



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Pedigrees, and Origins**

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M. van Ginkel, S. Rajaram,
and G. Ortiz-Ferrara

Revised February 1997



CIMMYT is an internationally funded, nonprofit scientific research and training organization. Headquartered in Mexico, the Center works with agricultural research institutions worldwide to improve the productivity and sustainability of maize and wheat systems for poor farmers in developing countries. It is one of 16 similar centers supported by the Consultative Group on International Agricultural Research (CGIAR). The CGIAR comprises over 50 partner countries, international and regional organizations, and private foundations. It is co-sponsored by the Food and Agriculture Organization (FAO) of the United Nations, the International Bank for Reconstruction and Development (World Bank), the United Nations Development Programme (UNDP), and the United Nations Environment Programme (UNEP).

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Responsibility for this publication rests solely with CIMMYT.

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Introduction

One of CIMMYT's primary functions is to produce germplasm for use by cooperating national crop improvement programs. In the development of wheat germplasm, emphasis is given to producing advanced materials that can be readily integrated into national wheat-breeding programs. Early generation segregating materials are also made available to cooperators.

Each year, CIMMYT makes thousands of bread wheat crosses and generates hundreds of advanced lines. These materials are distributed annually to national programs by way of our international nursery system; nearly 50 nurseries consisting of advanced yield trials, screening nurseries and F_2 segregating populations are distributed annually to over 200 cooperators around the world. National programs are free to use the germplasm in these nurseries in any way that best suits their needs. Options range from crossing with local varieties to placing entries directly into multiplication for eventual release as varieties.

The reader should note that CIMMYT does not release or name varieties; that is the right and responsibility of cooperating national programs, and each national program has its own system for naming released cultivars. CIMMYT does name its advanced bread wheat breeding lines, and our system for

differentiating among these lines currently utilizes the names of land birds only. At one time, however, the names of mountains, lakes, rivers, islands and certain phonetic combinations were used; some of these earlier names remain in use today. The CIMMYT/ICARDA program continues to use phonetic combinations or combinations of parental names.

This revised bulletin contains a compilation of all semidwarf bread wheat cultivars and advanced lines produced by CIMMYT and by the Mexican National Institute of Agricultural Research (INIFAP); it also contains the names and pedigrees of cultivars with CIMMYT parentage that have been released since 1962 by cooperating national programs. Our purpose in publishing this bulletin is to facilitate the exchange of more exact information among wheat researchers working with these materials, and to assist them in their note taking and record-keeping activities.

CIMMYT uses the Purdy nomenclature (Purdy et al. 1968) for writing pedigrees. Thus, if parent A is crossed with parent B and the F_1 hybrid is crossed with parent C, its pedigree would be designated as A/B//C. Subsequent crosses with parental material D,E,F and G would be indicated as:

A/B//C/3/D/4/E/5/F/6/G

The female parent is designated by listing it first (to the left side) followed by the pollen parent (placed to the right side of the cross). Thus, A is the female and B is the pollen parent in the first cross. The line A/B is the female and C is the pollen parent in cross two, etc.

Backcrosses are designated with an asterisk (*) and a number indicating the dosage of the recurrent parent. The asterisk and the number are placed next to the crossing symbol that divides the recurrent and donor parents. The following are examples involving one backcross (two doses):

A is the recurrent parent:	A*2/B
B is the recurrent parent:	A/2*B
A/B is the recurrent parent:	A/B*2//C/D
C/D is the recurrent parent:	A/B//2*C/D

Each pedigree name begins with an alphabetic designation of the cross origin (Table 3), followed by a cross number. After the cross number there is either a letter or number-letter combination. For top and double crosses, a letter is assigned to each plant selected in the F_1 generation. In number-letter combinations, the number identifies the individual plant and the letter indicates the location of selection (see Table 4). The zero-letter combinations (0M, 0Y, etc.) are reserved for populations carried as bulk in that generation. Examples of each are presented at the top of the next page.

Type of Cross	Cross Number	Plant Selection and Location (by generation)					
		F ₁	F ₂	F ₃	F ₄	F ₅	F ₆
Simple (Variety x variety)	CM1162	-	2y	1M	1Y	0M	
Top (F ₁ x variety) and Double (F ₁ x F ₁)	CM33027	F	15M	500Y	0M	87B	0Y

Because of the large number of crosses made annually at CIMMYT and cooperating institutions, this type of information needs updating continually. Therefore, included in the back of this bulletin is a 3 and 1/2 inch diskette with the most recent update of the information contained in this bulletin.

In addition, CIMMYT is contributing to the development of two data management systems that bring pedigree information together: the Genetic Resource Information Package (GRIP I) for wheat (Mackay et al. 1996) and the International Wheat Information System (IWIS) (Fox et al. 1996). GRIP I collates pedigree information for more than 100,000 wheats.

IWIS is a system that manages and integrates information pertaining to bread wheat, durum wheat and triticale. The body of data on these crops is large and intricate. By providing a common language to identify individual wheat and triticale germplasm uniquely, IWIS seamlessly joins conservation, utilization and exchange of genetic materials.

IWIS is software and information to:

- Add value to seed by linking it to extensive genealogical and performance data.
- Empower national programs by making data from many countries fully available.
- Link islands of data from wheat and triticale research around the world.
- Integrate disciplines by placing data from diverse sources in a single database.
- Supply the essential knowledge base for wheat improvement.

These information tools are published on diskette and CD-ROM, respectively. Readers interested in obtaining them should contact the CIMMYT Wheat Program. IWIS data are also available at

<http://probe.nalusda.gov.8300/cgi-bin/browse/cimmyt>

References

- Fox, P.N., C. Lopez, B. Skovmand, H. Sanchez, R. Herrera, J.W. White, E. Duveiller, and M. van Ginkel. 1996. International Wheat Information System (IWIS), Version 1. Mexico, D. F.: CIMMYT. On compact disk.
- Mackay, M.C., B. Skovmand, S.P. Martynov, P.N. Fox, and H. Sanchez. 1996. Genetic Resources Information Package (GRIP I) for Wheat. Mexico D.F.: CIMMYT. On diskette.
- Purdy L.H., W.Q. Loegering, C.F. Konzak, C.J. Peterson, and R.E. Allan. 1968. A proposed method for illustrating pedigrees of small grain varieties. *Crop Sci.* 18:916.

Introducción

Una de las funciones primordiales del CIMMYT es la producción de germoplasma para los programas nacionales de mejoramiento de cultivos que cooperan con el Centro. Al crear el germoplasma de trigo, se busca producir materiales avanzados que puedan ser integrados sin dificultad a los programas nacionales de mejoramiento de trigo. Además, el Centro pone a la disposición de científicos colaboradores materiales segregantes de generación temprana.

Cada año, el CIMMYT lleva a cabo miles de cruzamientos de trigo y produce cientos de líneas avanzadas. Estos materiales se distribuyen anualmente a los científicos colaboradores mediante el sistema de viveros internacionales del Centro. Se envían cerca de 50 ensayos de rendimiento avanzados, viveros de selección y poblaciones segregantes F_2 a más de 200 investigadores de todo el mundo. Los programas nacionales están en libertad de utilizar el germoplasma de estos viveros en la forma que más les convenga. Sus opciones van desde el cruzamiento con variedades locales hasta el inicio inmediato de la multiplicación de las entradas para liberarlas posteriormente como variedades.

El lector debe tomar nota de que el CIMMYT no libera ni nombra las variedades cultivadas, pues estas funciones son derecho y responsabilidad de los programas nacionales. Cada programa tiene su propio sistema para nombrar las variedades que libera. El CIMMYT sí designa los nombres de las líneas avanzadas de trigo harinero y el sistema que utiliza actualmente para caracterizar estas líneas se basa en los nombres de aves terrestres. Anteriormente se usaron nombres de montañas, lagos, ríos, islas, así como ciertas combinaciones fonéticas, algunas de las cuales se siguen usando hoy día. El programa CIMMYT/ICARDA continua utilizando combinaciones fonéticas, o combinaciones de nombres de progenitores.

Este boletín revisado contiene una recopilación de todas las variedades cultivadas y líneas avanzadas de trigo harinero semi-enano del CIMMYT y del Instituto Nacional de Investigaciones Forestales y Agropecuarias (INIFAP), así como también los nombres y genealogías de las variedades provenientes del CIMMYT que han sido liberadas desde 1962 por los programas nacionales. El objeto de publicar este boletín es facilitar el intercambio de información más exacta entre los investigadores de trigo que trabajan con estos materiales y ayudarles a realizar sus anotaciones y llevar sus registros.

El CIMMYT utiliza la nomenclatura de Purdy (Purdy *et al.* 1968) para las genealogías. Por tanto, si el progenitor A se cruza con el progenitor B y el híbrido F_1 se cruza con el progenitor C, su genealogía se indicaría así: A/B//C. Los cruzamientos subsecuentes con material progenitor D, E, F y G se manifestaría como sigue:

A/B//C/3/D/4/E/5/F/6/G

El progenitor hembra se indica poniéndolo primero (del lado izquierdo) seguido del progenitor polinizador (del lado derecho del cruzamiento). Así pues, A representa el progenitor hembra y B, el progenitor polinizador en el primer cruzamiento; la línea A/B representa el progenitor hembra y C, el progenitor polinizador en la segunda cruza, y así sucesivamente.

Los retrocruzamientos se designan con un asterisco (*) y un número que indica la dosis del progenitor recurrente. El asterisco y el número se colocan junto al símbolo de cruzamiento que separa a los progenitores recurrentes de los progenitores donadores. En seguida aparecen algunos ejemplos de retrocruzamiento (dos dosis):

A como progenitor recurrente:	A*2/B
B como progenitor recurrente:	A/2*B
A/B como progenitor recurrente:	A/B*2//C/D
C/D como progenitor recurrente:	A/B//2*C/D

Cada genealogía comienza con la designación alfabética del origen del cruzamiento (Cuadro 3), seguida por un número de cruzamiento. Después del número de cruzamiento, aparece una letra o una combinación de número y letra. En los cruzamientos dobles y de F_1 x variedades se asigna una letra a cada planta seleccionada de la generación F_1 . En las combinaciones de número y letra, el número identifica la planta individual y la letra indica el lugar donde se realizó la selección (Cuadro 4). Las combinaciones de cero y letra (0M, 0Y, etc.) se refieren exclusivamente a las poblaciones que fueron avanzadas en masa en esa generación. A continuación se presentan ejemplos de cada caso.

Tipo de cruzamiento	No. de cruzamiento	Selección de planta y lugar (por generación)					
		F_1	F_2	F_3	F_4	F_5	F_6
Simple (Variedad x variedad)	CM1162	-	2y	1M	1Y	0M	
Top (F_1 x variedad) y doble (F_1 x F_1)	CM33027	F	15M	500Y	0M	87B	0Y

Debido al gran número de cruzamientos que se hacen anualmente en el CIMMYT y en las instituciones que cooperan con éste, es necesario actualizar y revisar el boletín de manera continua. Por consiguiente, en este boletín se incluye un diskette de 3 y 1/2 pulgadas con la información más reciente.

El CIMMYT también colabora con el desarrollo de dos sistemas de manejo de datos que recopilan información sobre genealogías: el Paquete de Información de Recursos Genéticos del Trigo (GRIP 1) (Mackay *et al.* 1996), y el Sistema Internacional de Información sobre el Trigo (IWIS) (Fox *et al.* 1996). El GRIP 1 contiene información genealógica de más de 100,000 trigos.

El IWIS es un sistema de manejo de datos que integra muchos tipos de información sobre el trigo harinero, el trigo duro y el triticale. El acervo de información sobre estos cultivos es vasto y complicado. Al proporcionar un lenguaje común para identificar de manera inequívoca los trigos y triticales, el IWIS integra la conservación, la utilización y el intercambio de materiales genéticos.

El IWIS se compone de software e información que:

- Aumentan el valor de la semilla relacionándola con extensos datos genealógicos y de comportamiento
- Proporcionan a los programas nacionales acceso a datos provenientes de muchos países
- Reúnen datos de instituciones de investigación de trigo de todo el mundo
- Integran disciplinas colocando datos de diversas fuentes en una sola base de datos
- Suministran datos necesarios para el mejoramiento de trigo.

Estas herramientas de información se publican en diskette y CD-ROM, respectivamente. Los lectores que se interesen en adquirirlas pueden ponerse en contacto con el Programa de Trigo del CIMMYT. Asimismo, pueden obtener datos sobre el IWIS en

<http://probe.nalusda.gov.8300/cgi-bin/browse/cimmyt>

Referencias

Fox, P.N., C. López, B. Skovmand, H. Sánchez, R. Herrera, J.W. White, E. Duveiller y M. van Ginkel. 1996. International Wheat Information System (IWIS), Versión 1. México, D. F.: CIMMYT. Disco compacto.

Mackay, M.C., B. Skovmand, S.P. Martynov, P.N. Fox y H. Sánchez. 1996. Genetic Resources Information Package (GRIP I) for Wheat. México D.F.: CIMMYT. Diskette.

Purdy L.H., W.Q. Loegering, C.F. Konzak, C.J. Peterson y R.E. Allan. 1968. A proposed method for illustrating pedigrees of small grain varieties. *Crop Sci.* 18:916.

Table 1.

Semidwarf bread wheat advanced lines produced by CIMMYT/ICARDA and/or INIFAP, Mexico, and cultivars of CIMMYT parentage that have been selected and released by national agricultural research systems (NARSs) since 1962. Names in boldface indicate released cultivars.

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
230	230	PI/CC/INIA66/4/BB/CNO67/ NQ/3/BB			1983	China
483	483	KAL/BB	II26992-0CHN		1983	China
128.69	128	SN64A/TZPP/NAI60	II18889-3M-2Y-2M-1Y-1C-2Y-0PRY		1970	Paraguay
214.6	214.6	Y54/KT54B	II7028-10Y-1H-1R-2M-0PRY		1970	Paraguay
7612.3	7612.3	D6301/NAI60//WRM/3/CNO*2/CHR	CM11683-0CHN	ALONDRA	1985	China
79.218 DMS	218DMS	CHRDMS/BOW//8*79.218	CRG2093		1993	CIMMYT
AAR	AAR	CGN/KAL/BB/3/VEE#8	CM70112		1985	CIMMYT
ABU GHRAIB	AGB	7C/ON/INIA67/BMAN	II28424-0IRQ	CUCKOO	-	Iraq
ABU	AGB3	SN64/KLRE	II19975-0IRQ		-	Iraq
GHRAIB # 3						
AERIE	ARE	CNO//SN64/KLRE/3/8156	II23584-26Y-2M-1Y-0M-0ZAF	BLUEBIRD 2	-	South Africa
AGUA DULCE	ADUL	BJY/JUP	CM40038-6M-4Y-2M-1Y-2M- 1Y-0B-0BOL	CHEEL	1989	Bolivia
CIAT						
AHOME S 70	AH	PI/CHR/SN64	II19957-0MEX	CIANO	1970	Mexico
AKBAR	AKBAR	RON/TOB	CM7705-3M-1Y-2M-2Y-0Y-0BGD		1982	Bangladesh
ALBARES	ALBS	ND/WW//LEE/FN/3/N/4/TI-R	SWM4589-7Y-8M-1Y-0M-0ESP	MYNA	1983	Spain
ALBORZ	ALBORZ	FN/MIDA/K117A/3/2*COFN/4/ SN64/KLRE/3/CNO//LR64*2/SN64	CM2182-0IRN	SPARROW	1978	Iran
ALDAN	ALDAN	MAYA/4/KLRE/2*SN64/INIA66/3/ CNO/5/NSTP/Y50	CM34513		1977	CIMMYT
ALMANSOR	ALMR	E4870/C303//M5392/3/BB//CC/ INIA66	CM22099-0PRT		1982	Portugal
ALONDRA	ALD	D6301/NAI60//WRM/3/ CNO*2/CHR	CM11683		1974	CIMMYT
ALONDRA 1	ALD1	D6301/NAI60//WRM/3/ CNO*2/CHR	CM11683-0PRY	ALONDRA	1982	Paraguay

ALONDRA 4546(ML)	ALDML	D6301/NAI60//WRM/3/ CNO*2/CHR	CM11683-0BRA	ALONDRA	1983	Brazil
ALUBUC	ALUBUC	IAS58/IAS55//ALD/3/MRNG/4/ ALD/IAS58.103A//ALD/5/BUC	CM74362		1988	CIMMYT
ALUCAN	ALUCAN	IAS58/IAS55//ALD/3/MRNG/4/ ALD/IAS58.103A//ALD/5/CNR	CM78526		1988	CIMMYT
AMAL	AMAL	BOW/BUC			1993	Morocco
AMAZONAS	AMAZ	PF70354/BOW	CM67910-7Y-1M-8Y-1M-2Y-0M- 1ELV-0ELV-0PRT		1993	Portugal
AMIK	AMIK	HD1220/3*KAL//NAC	CM40454-11M-4Y-1M-1Y-4M- 1Y-0B-0TUR	NEELKANT	1987	Turkey
AMSEL	AMSEL	MRNG/BUC//BLO/PSN	CM69191		1991	CIMMYT
ANADOLU	ANDU	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M-87B- 0Y-0TUR	VEERY 5	1987	Turkey
ANAHUAC F 75	ANA	II12300/LR64/8156/3/NOR	II30842-5S-3M-2T-0R-0MEX	PAPAJU	1975	Mexico
ANANDA	ANDA	KAL/BB	II26992-30M-399Y-300M- 500M-0Y-0JA-0BGD		1982	Bangladesh
ANDINO-INIAA	ANDINO	MON/IMU	CM61942-4Y-2M-2Y-2M-2Y- 0M-0PER		1992	Peru
ANDRY 91	ANDRY	PF7339/ALDAN	CM59172-0MDG		1991	Madagascar
ANGOSTURA F 88	ANGRA	TTR/JUN	CM59123-3M-1Y-2M-1Y-2M- 2Y-0M-0MEX	BAGULA	1988	Mexico
ANGWA	ANGWA	CJ71//CC/INIA			1980	Zimbabwe
ANI	ANI	PAK F4 6313/3/TOB/CTFN// BB/4/BMAN/ON//CAL/5/MAYA	CM26346		1980	CIMMYT
ANMOL 91	ANMOL	KVZ/TRM//PTM/ANA	CM43903-H-4Y-1M-1Y-3M- 3Y-0B-0PAK	LIRA	1991	Pakistan
ANNAPURNA 1	ANNA1	KVZ/BUHO//KAL/BB	CM33027-0NPL	VEERY	1988	Nepal
ANNAPURNA 2	ANNA2	NAPO/TOB//8156/3/KAL/BB			1988	Nepal
ANNAPURNA 4	ANNA4	KVZ/3/CC/INIA//CON// ELGA/4/SN64		NL539	1994	Nepal
ANTBIRD	ANB	TOB/3/CNO/JAR//KVZ	CM20707		1983	CIMMYT
ANTIZANA	ANT	CNO/GLL	II27829-19Y-2M-4Y-0M-0ECU		1976	Ecuador

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
ANZA	ANZA	LR/N10B/3*ANE	II8739-4R-1M-1R-0USA		1973	USA
APACHE M 81	APA	PJ62/GB55/3/II12350/ON// RQ/4/SF2	II40326-10M-1T-100M-0T-0MEX		1981	INIFAP
ARA	ARA	NAC/3/STW63/AGEL// ANZA/4/BOW/CEP7780	CM79704		1988	CIMMYT
ARANDAS F 90	ARA90	HER/SAP//VEE	CM74849-2M-2Y-3M-2Y-0B-0MEX	TUI	1990	Mexico
ARGANDA	ARND	KVZ/BUHO//KAL/BB	CM33027-F-12M-1Y-6M-0Y-0ESP	VEERY 3	1983	Spain
ARIANA-94	ARI94	BOW/NAC//VEE/3/BJY/COC	CM92088-J-0Y-0M-0Y-4M-0Y-0AFG		1994	Afghanistan
ARIVECHI M 9	ARIV92	WUH1/GLEN/4/INIA66/ AG.DI//INIA66/3/GEN	CM100587-E-0M-0Y-030M- 8Y-1Y-0M-0MEX	LUAN	1992	Mexico
ARZ	ARZ	MAYO54E/LR//TAC/3/LR64// TZPP/Y54	II21419-288-0LBY		1973	Lebanon
ASIO	ASIO	KVZ/3/TOB/CTFN//BB/ 4/BLO/5/SNB	CM67982		1990	CIMMYT
ASTEROIDES	ASTD	SN64/ANA	TC761226-2R-7R-0R		-	INIFAP
ASTRO	ASTRO	KLRE//INIA/NAI60/3/YR	II44988-4R-3R-1R-0R		-	INIFAP
ATRAK	ATRAK	JUP/BJY//URES	CM67458-0IRN		1995	Iran
ATTILA	ATTILA	ND/VG9144//KAL/BB/3/ YACO/4/VEE#5	CM85836		1990	CIMMYT
AZIMIO 87	AZIMIO	VCM//CNO/7C/3/KAL/BB	CM8399-D-4M-3Y-1M-1Y- 1M-0Y-0TZA	PAVON	1987	Tanzania
AZIZ	AZIZ	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M- 87B-0Y-0YEM	VEERY 5	1988	Yemen A.Rep
AZTECA 67	AZ	PI/CHR//SN64	II19957-18M-1Y-3M-9Y-0MEX	CIANO	1967	Mexico
BABAX	BABAX	BOW/NAC//VEE/3/BJY/COC	CM92066		1992	CIMMYT
BACANORA T 88	BCN	JUP/BJY//URES	CM67458-4Y-1M-3Y-1M-5Y- 0B-0MEX	KAUZ	1988	Mexico
BAGULA	BAU	TTR/JUN	CM59123		1985	CIMMYT

BAJIO 66	BJ66	SN64A/TZPP/NAI60	II18889-4M-1Y-1M-3Y-0MEX		1966	Mexico
BAJIO 67	BJ67	TZZP/SN64A	II19021-4M-3Y-102M-100Y-102C-1Y-0MEX		1967	Mexico
BALAN 91	BALAN	KVZ/CGN			1991	Guatemala
BALANYA 82	BYA82	WE-M/GTO//KAL/BB	CM8288-0GTM	MONCHO	1982	Guatemala
BANANAQUIT	BNQ	MO73/4/MPLM//CNO/7C/3/CC	CM32556		1977	CIMMYT
BARAKA	BARAKA	VCM//CNO/7C/3/KAL/BB	CM8399-0MAR	PAVON	1988	Morocco
BARANI 83	BAN83	BB/GLL/3/GTO/7C//BB/CNO	CM32347-3M-1Y-1M-1Y-1K-0A-0PAK		1983	Pakistan
BARKAT	BARKAT	BB/GLL//CARP/3/PVN	CM33483-C-7M-1Y-0M-0BGD	JUNCO	1982	Bangladesh
BASRIBEY95	BASR95	JUP/BJY//URES	CM67458-4Y-1M-3Y-1M-2Y-0B-0TUR	KAUZ	1995	Turkey
BATERA	BATERA	BHR*5/AGA//PVN	SWM9327		1993	CIMMYT
BATU	BATU	GLL/CUC//KVZ/SX	CM34630-D-5M-2Y-1M-1Y-0M-0ETH	SUNBIRD	1984	Ethiopia
BAVIACORA M 92	BAV92	BOW/NAC//VEE/3/BJY/COC	CM92066-J-0Y-0M-0Y-4M-0Y-0MEX	BABAX	1993	Mexico
BAYA	BAYA	TZPP//IRN46/CNO67/3/PRT/4/NAC	CM42374		1979	CIMMYT
BAZ	BAZ	VEE/SNB	CM61981-4Y-1M-6Y-2M-0Y-0AP		1985	CIMMYT/ICARDA
BHRIKUTI	BHRI	CONT/COC75/3/PLQ//FURY/ANA		NL623	1994	Nepal
BITHOOR	BTR	MULTILINE (8156) COMPOSITE			1978	India
BLUE SILVER	BLS	II53.388/AN//YT54/N10B/3/LR/4/B4946.A.4.18.2.IY/Y53/3*Y50	II18427-0PAK	SONALIKA	1971	Pakistan
BLUEBIRD	BB	CNO//SN64/KLRE/3/8156	II23584		1969	CIMMYT
BLUEJAY	BJY	TZPP/PL//7C	CM5287		1976	CIMMYT
BLUETT	BLT	TOB/NAPO//CC/INIA66/3/CHA	CM5541		1976	CIMMYT
BOBITO	BBT	CNO/8156//TOB/CNO/3/INIA66/II20350	II38837		1974	CIMMYT
BOBOLINK	BOBO	7C/3/LR64/INIA66/INIA66/BB/4/TOB/8156(R)	CM5349		1977	CIMMYT
BOBWHITE	BOW	AU//KAL/BB/3/WOP	CM33203		1977	CIMMYT
BOCRO	BOCRO	BOW/CROW	CM67430		1994	CIMMYT/ICARDA

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
BOHOOTH 202	BOH202	KVZ/BUHO//KAL/BB	CM33027-F-8M-1Y-8M-1Y-2M-0Y-OLIB	VEERY 1	1991	Libya
BOHOOTH 206	BOH206	KVZ//KAL/BB/3/BON	CM33202-E-1M-2Y-0M-OLIB		1991	Libya
BOHOUTH 6	BOHO6	FR316/3/MCM/KT//Y50/4/ZA75/5/BJY	CM40457-0SYR	CROW	1991	Syria
BOLILLO	BLO	PI/GLL/3/NR//FLR/CNO	CM8639		1974	CIMMYT
BOLSENA	BOS	WE-M/3/LR64/INIA66//INIA66/BB/4/7C//TOB/CNO	CM8625		1977	CIMMYT
BONANZA	BON	PI/CHR//SN64	II19957-18M-1Y-3M-9Y-0USA	CIANO	1969	USA
BORLAUG M 95	BORL95	HAHN*2/PRL	CM90320-A-1B-5Y-0B-6M-0Y	WEAVER	1995	Mexico
BOUNTY 208	BTY208	PI/CHR//SN64	II19957-1973-0USA	CIANO	1973	USA
BOUNTY 309	BTY309	CTFN/8156(R)/4/CHR//TT/SN64/3/CRIM	II25753-0USA		1974	USA
BR 10-FORMOSA	BR10	D6301/NAI60//WRM/3/CNO*2/CHR	CM11683-1ML-0BRA	ALONDRA	1983	Brazil
BR 11-GUARANI	BR11	BB//TOB/8156			1984	Brazil
BR 12-ARUANA	BR12	BY/MAYA/4/BB//HD832.5.5/ON/3/CNO67/PJ62	CM31678-R-4Y—2M-500Y-503M-500Y-500M-501Y-0M-0BRA	BUCKBUCK	1984	Brazil
BR 17-CAINA	BR17	AU//KAL/BB/3/WOP	CM33203-H-4M-1Y-0M-0BRA	BOBWHITE	1986	Brazil
BR 18-TERENA	BR18	D6301/NAI60//WRM/3/CNO*2/CHR	CM11683-A-1Y-1M-3Y-11M-0Y-0BRA	ALONDRA	1986	Brazil
BR 26-SAO GOTARDO	BR26	KVZ/BUHO//KAL/BB	CM33027-F-12M-1Y-6M-0Y-0BRA	VEERY	1988	Brazil
BR 29-JAVAE	BR29	SIS/PVN	CM30697-10M-1Y-10M-1Y-1B-0Y-0BRA	TANAGER	1988	Brazil
BR 30-CADIVEU	BR30	CNO/8156//TOB/CNO/4/NQ/3/II12300/LR64/8156/5/PVN	CM40577-1Y-3M-1Y-2M-2Y-0B-0BRA		1988	Brazil
BR 31-MIRITI	BR31	KVZ/BUHO//KAL/BB	CM33027-F-8M-1Y-8M-1Y-2M-0Y-0BRA	VEERY 1	1988	Brazil
BR 33-GUARA	BR33	BUC/BJY	CM49641-9Y-1M-4Y-0Y-BRA		1989	Brazil

BR 40-TUIUCA	BR40	ANA/HUAC	CM49258-2Y-2M-3Y-0Y-0BRA	1991	Brazil
BRDANKA	BDK	JAR/SN64/RQ66		1980	Croatia
BROADBILL	BBL	CMT/MO73/TRM	CM43381	1983	CIMMYT
BROCHIS	BCH	CNO/BB/CDL/4/7C/3/LR64/ INIA66/INIA66/BB	CM5872	1974	CIMMYT
BUCK BAGUAL	BBAG	KVZ/JAR	SWM1296-2-2-1-2-3-17-3-0-0ARG	1988	Argentina
BUCK GUARANI	BGUA	URES/JUN	CM73820-0ARG	1993	Argentina
BUCK NANDU	BNDU	INIA66/SOTY	II23451-0ARG	1976	Argentina
BUCK OMBU	BOMB	CNO/GLL/3/TOB/BMAN/ BB/4/TZPP/SN64/TZPP*2/AN	CM26339-E-4Y-1Y-2Y-1M- 15Y-3LD-0ARG	1984	Argentina
BUCKBUCK	BUC	BY/MAYA/4/BB/HD832.5.5/ ON/3/CNO67/PJ62	CM31678	1977	CIMMYT
BUCKBUCK DMS	BUCDMS	CHRDMS/9*BUC	CRG2101	1993	CIMMYT
BUCKY	BY	PI//KLAT/NAPO	II21386	1973	Ecuador
BUGU	BUGU	BR12*2/3/JUP//PAR214*6/ F136631/4/WUH1	CM98248	1993	CIMMYT
BUHO	BUHO	SR/3/LR64/INIA66/INIA66/BB	CM4040	1973	CIMMYT
BUITRE	BUI	L.S.31/PI//INIA66/3/CC/INIA66	II28867	1971	CIMMYT
BULBUL	BUL	PI/FD/3/PI/MZ/MXP	PK2858-7A-3A-4A-0A	1977	Pakistan
BUNTING	BUN	TOL73/MON	CM35422	1977	CIMMYT
BURRION	BURI	PEG/PF70354/4/KAL/ BR//ALD/3/MRNG	CM58340	1988	CIMMYT
BUTEO	BUT	TLI/CHA#2//PCI	CM31070	1977	CIMMYT
BYRSA 87	BYRSA	GLL/CUC//KVZ/SX	CM34630-0TUN	1987	Tunisia
C-8055	C8055	AU//KAL/BB/3/WOP	CM33203-0PRY	-	Paraguay
CAJEME F 71	CJ71	CNO//SN64/KLRE/3/8156	II23584-26Y-2M-3Y-2M-0Y-0MEX	1971	Mexico
CALANDRIA	CLDR	CHEG285/GTO/JAR/3/ KLRE/SN64	HM1023	-	CIMMYT
CALIDAD	CAL	TZPP/SN64/3/LR64A// TZPP/3*ANE	II22429-16M-1Y-1M-0Y-0ARG	1968	Argentina
CANARIO	CAN	HK/38MA//RFN*2/908/3/FN/4/YR	CM2097	1974	CIMMYT
CANARY	CNRY	MY54/3/N10B/Y50/K.LINE/ 4/CD/5/BUHO/6/MON	CM33083-H-1M-1Y-3M-0Y-0ZMB	1985	Zambia

SUNBIRD
BOBWHITE
BLUEBIRD 4

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
CANASTERO	CNR	PJ//CNO67/7C/4/CNO67/INIA66// BB/3/PCI/5/MRNG/6/ALD//YR/TRF	CM58446		1983	CIMMYT
CARACARA	CARA	CAR853/COG//VEE/3/URES	CM81433		1991	CIMMYT
CARDENAL	CDL	ZA75/JAR/8156(B)	II27105		1970	CIMMYT
CARPINTERO	CARP	RQ/PAL2/3/KLPE/RAF//2*SX	II30724		1973	Brazil
CARRIZO T 89	CAZO	VEE/H499.71A//4*JUP	CMH80A.383-1B-1Y-1B-1Y-1B- 1Y-0B-0MEX	HAVIK	1989	Mexico
CARTHAGE	CRT	CC/INIA66//CNO/CAL	II28071-7M-3Y-7M-0Y-0TUN	PICHON	1975	Tunisia
CARTHAYA	CART	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M- 87B-0Y-0ESP	VEERY 5	1983	Spain
CASKOR	CASKOR	2CA542C/SRS//NZT/3/NAC	SWM8943-1Y-1Y-0Y-4AP- 3AP-3AP-0AP		1995	CIMMYT/ ICARDA
CATBIRD	CBRD	CHUM18/BAU	CM91045		1991	CIMMYT
CC 464	CC464	BB//CNO/SN64			1979	India
CELAYA 81	CEL81	YD/ZZ	CM35048-33Y-2M-1Y-0M-0MEX		1981	Mexico
CETTIA	CETTIA	CNO79/PRL//CHIL	CM92313		1992	CIMMYT
CHAKWAL 86	CHWL86	FLN/ACC//ANA	SWM4578-56M-3Y-3M-0Y-0PAK		1986	Pakistan
CHAM 2	CHAM2	7C//TOB/CNO/3/KAL	CM8865-D-4M-1Y-1M-2Y- 0M-0AP-0SYR		1983	Syria
CHAM 4	CHAM4	FLK/HORK	CM39816-1S-1AP-0AP-0SYR	CHAM4	1986	Syria
CHAM 6	CHAM6	W3918A/JUP	CM40096-8M-7Y-0M-0AP-0LBN		1991	Syria
CHANATE	CHA	CNO/PJ62//CNO/7C	II26265		1971	CIMMYT
CHANE CIAT	CHANE	KVZ/BUHO//KAL/BB	CM33027-F-12M-1Y-6M-0Y-0BOL	VEERY 3	1986	Bolivia
CHAPARRAL	CRL	PI/CHR//SN64	II19957-1968-0USA	CIANO	1968	USA
CHAPINGO 74	CH74	FRATERNAL SELECTION			1974	INIFAP
CHASICO INTA	CSI	SN64A//SKE*6/3*ANE	II18903-17M-3R-3C-1T-2BV- 0BV-0ARG		1980	Argentina
CHASQUI INIA	CQI	CC/INIA66/3/TOB/8156//CNO	CM4264-23Y-2M-0Y-0CHL		1982	Chile

CHAT	CHAT	KVZ/TI//TTTO	CM33090		1977	CIMMYT
CHEEL	CHEL	BJY/JUP	CM40038		1985	CIMMYT
CHELLIF 78	CHE78	VCM//CNO/7C/3/KAL/BB	CM8399-D-4M-3Y-0M-0DZA	PAVON	1978	Algeria
CHEYO	CHEYO	BB/CC//RON	CM1708-41M-1Y-2M-1Y-0M-0BOL		-	Bolivia
CHHOTI LERMA	CHL	LR64/HUAR	II15929-1M-4R-2M-0IND		1967	India
CHILERO	CHIL	4777*2//TKN/GB/3/ VEE#5/4/BUC/PVN	CM66684		1984	CIMMYT
CHINESE	CHISE	CS/CNO.E//HORK/3/CS/ CNO.E/4/2*CS	CMH84.4449		1988	CIMMYT
SPRING ENANO						
CHIROCA	CHRC	SD648.5/8156/3/CHR/SN64/ KLRE/4/BB/CAL/5/ZBZ	CM8963		1975	CIMMYT
CHIRYA	CHIRYA	CS/AG.CU//GLEN/3/ALD/PVN/ 4/NINGMAI NO.4/OLESON// ALD/YANGMAI NO.4	CIGM87B1	CHIRYA	1992	CIMMYT
CHIRYA.1	CHIR1	CS/AG.CU//GLEN/3/ALD/PVN/4/ NINGMAI NO.4/OLESON//ALD/ YANGMAI NO.4	CIGM87B1-110B	CHIRYA	1992	CIMMYT
CHIRYA.2	CHIR2	CS/AG.CU//GLEN/3/ALD/PVN/4/ NINGMAI NO.4/OLESON//ALD/ YANGMAI NO.4	CIGM87B1-113B	CHIRYA	1992	CIMMYT
CHIRYA.3	CHIR3	CS/AG.CU//GLEN/3/ALD/PVN/4/ NINGMAI NO.4/OLESON//ALD/ YANGMAI NO.4	CIGM87B1-116B	CHIRYA	1992	CIMMYT
CHIRYA.4	CHIR4	CS/AG.CU//GLEN/3/ALD/PVN/4/ NINGMAI NO.4/OLESON//ALD/ YANGMAI NO.4	CIGM87B1-122B	CHIRYA	1992	CIMMYT
CHIRYA.5	CHIR5	CS/AG.CU//GLEN/3/ALD/PVN/4/ NINGMAI NO.4/OLESON//ALD/ YANGMAI NO.4	CIGM87B1-1006B	CHIRYA	1992	CIMMYT
CHIRYA.6	CHIR6	CS/AG.CU//GLEN/3/ALD/PVN/4/ NINGMAI NO.4/OLESON//ALD/ YANGMAI NO.4	CIGM87B1-1008B	CHIRYA	1992	CIMMYT

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
CHIRYA.7	CHIR7	CS/AG.CU//GLEN/3/ALD/PVN/4/ NINGMAI NO.4/OLESON//ALD/ YANGMAI NO.4	CIGM87B1-1017B	CHIRYA	1992	CIMMYT
CHIWORE	CHIW	TOB/CNO//CC/SX/3/AZ/4/YR			1981	Zimbabwe
CHOCOYO 88	CHOC88	-			1988	Guatemala
CHOIX M 95	CHOIX	PRL/VEE6//MYNA/VUL	CM90722-22Y-0M-0Y-5M-0Y	PRINIA	1995	Mexico
CHOLI	CLI	21943/CH53/2*LR/3/8156/4/NAR59	II21515-1P-1P-3P-5M-0Y		1973	Chile
CHORCHA(F)	CHO	PATO//INIA66/NAPO	II25499	PALOMA	1973	CIMMYT
CHOVA	CVA	GLL/YR RESEL(BY)3/AU//KAL/BB	CM34603		1981	CIMMYT
CHOVA-BDI	CVA-BD	GLL/YR RESEL(BY)3/AU//KAL/BB	CM34603-0BDI	CHOVA	1986	Burundi
CHUIMEKENA 91	CHUI91	HORK/YMH//KAL/BB/3/CNDR/ ANA/CNDR/MUS	CM78366-5CH-2CH-0CH- 2CH-0X-0GTM		1991	Gautamala
CHUKAR	CKR	PTS/3/TOB/CTFN//BB/4/BB// HD832.5.5/ON	CM20769		1980	CIMMYT
CHUN 980	CH980	ALD/PCI			1987	China
CIANE S 70	CN70	PJ62/P14//KT54B/LR	II19489-D1-D1-D1-0MEX		1970	INIFAP
CIANO	CNO	PI/CHR//SN64	II19957		1967	CIMMYT
CIANO F 67	CNO	PI/CHR//SN64	II19957-18M-1Y-3M-9Y-0MEX	CIANO	1967	Mexico
CIANO F 67 ENANO	CNO.E				-	CIMMYT
CIANO RECIPROCO	CNOREC	SN64/PI/CHR			-	Mexico
CIANO T 79	CNO79	BY/MAYA/4/BB//HD832.5.5/ ON/3/CNO67/PJ62	CM31678-R-4Y-2M-21Y-0M-0MEX	BUCKBUCK	1979	Mexico
CICO INIA	CICO	MAYA/NAC	CM39424-1Y-1M-5Y-2M-1Y-0B-0CHL		1987	Chile
CIGUENA	CGN	SN64/TZPP/Y54/3/SN64/ AN64A/4/FR*2//Y/KT	II21406		-	CIMMYT
CINTO	CTO	L8230.54/3/2*FR/KAD//GB/4/PATOB	CM20447		1977	CIMMYT

CIRTA 78	CIR	VCM/CNQ/7C/3/KAL/BB	CM8399-D-4M-3Y-1M-1Y-1M-0Y-0DZA	PAVON	1978	Algeria
CISNE INIA	CIS	KVZ/CJ71	SWM1430-4Y-3Y-0M-0CHL		1984	Chile
CLAUDIA	CLAU	CNQ/7C/CC/TOB/3/CNQ/NO/4/KAL	CM11377-A-1Y-8M-3Y-0M-0CHL		1984	Chile
CLEOPATRA 74	CLEO	BB/3/2*INIA66/NAPO/II20350/4/F2	CF258-30R-4M-0T-0MEX		1974	INIFAP
COCHICO INTA	CCHI	KZMM12/PATOB/3/BMAN/7C/CDL	CM24166-L-7M-1Y-3Y-0Y-0P-1BV-0ARG		1984	Argentina
COCORAQUE F 75	COC	II12300/LR64/8156/3/NOR	II30842-58R-1M-4Y-0M-0MEX		1975	Mexico
COLANO	CLN	PI/CHR/SN64	II19957-1971-0USA	CIANO	1971	USA
COMBINADOR	COMB	21931/CH53/AN/3/Y50			-	CIMMYT
COMETA	COMETA	INIA66/INIA/20350	TR780112-2R-3R-2R-2R-0R		-	INIFAP
COMO	COMO	ORZ/SD648.5/8156(R)	CM4756		1977	CIMMYT
COOPERACION CALQUIN	COCAL	AU//KAL/BB/3/WOP	CM33203-H-8M-8Y-1M-1Y-1M-0Y-0ARG	BOBWHITE	1989	Argentina
COQUENA	COQ	PATOB/4/JAR/NAPO/3/LR64/TZPP/ANE	CM1020		1973	CIMMYT
CORDILLERA 3	CORD3	KVZ/BUHO//KAL/BB	CM33027-F-12M-1Y-6M-0Y-0PRY	VEERY 3	1982	Paraguay
CORRE CAMINOS	CC	SN64/Y50E//GTO	II19792		1971	CIMMYT
CORYDON	CRDN	CAR853/COC//VEE5/3/E7408/PAM//HORK/PF73228	CM81074		1992	CIMMYT
COSTA 78	COS	BB/8156			1978	Peru
COUCAL	COUCAL	PF7339/HAHN	CM70377-3MB-0MM-1MB-0MM-2MM-0MM-0ZMB		1988	Zambia
COWBIRD	COW	KLAT//INIA66/BB/4/NP876/PJ62/CAL/3/BB	CM16716		1975	CIMMYT
COWBIRD-BDI	COW-BD	KLAT//INIA66/BB/4/NP876/PJ62/CAL/3/BB	CM16716-M-3M-2Y-3M-0Y-0BDI	COWBIRD	1984	Burundi
CPAN1796	CP1796	CRT//KAL/BB	CM7806-15M-2Y-2M-1Y-0M-0IND		1985	India
CPAN3004	CP3004	GLL/AUST II61.157//	CM62000		1989	India
CRANBROOK	CRBK	CNQ/NO/3/VEE WE-M//CNQ/NO/3/ZBZ	CM8954-0AUS	FLICKER	1984	Australia

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
CRISTINA	CRTNA	BY/MAYA/4/BB//HD832.5.5/ ON/3/CNO67/PJ62	CM31678-R-4Y-2M-21Y-0M-0PER	BUCKBUCK	1983	Peru
CROW	CROW	FR316/3/MCM/KT//Y50/4/ ZA75/5/BJY	CM40457		1980	CIMMYT
CRUZ ALTA INTA	CZI	KVZ/BON/7/21931/CH53// AN/3/GB56/4/PJ62/5/SOTY/ 6/YR RESEL (B)	CM33729-A-1M-2Y-1M-3Y- 0M-1J-0J-0ARG		1986	Argentina
CUCKOO	CUC	7C/ON//INIA67/BMAN	II28424		1975	CIMMYT
CUCURPE S 86	CUPE	HIM/COC//NAC	CM41195-A-13M-2Y-3M-1Y- 1M-0Y-0MEX	YACO	1986	Mexico
CUERVO	CVO	CI7800/BZA//TZPP/SON64A	E67-2789		1973	Ecuador
CUGAP	CUGAP	CNO79/4/CS/AG.CU// GLEN/3/ALD/PVN	CIGM88.837		1994	CIMMYT
CUKUROVA 86	CUVA	BB/KAL	CM9160-11M-5Y-6M-0Y-0TUR		1986	Turkey
CULIACAN T 89	CLC89	HER/SAP//VEE	CM74849-2M-2Y-3M-2Y-0B- 46M-0Y-0MEX	TUI	1989	Mexico
CUMHURIYET	CYT75	CIGUENA	II21406-6-2-0Y-0TUR	CIGUENA	1974	Turkey
CUMPAS T 88	CUMPAS	PRL/VEE#6	CM64624-2Y-1M-4Y-0M- 16Y-0M-0MEX		1988	Mexico
CUMPAS T 88	C88DMS	CHRDMS/9*PRL/VEE#6	CRG2104		1993	CIMMYT
DMS						
CURINDA M 87	CDA87	IAS58/4/KAL/BB//CJ71/3/ALD	CM50464-12Y-4F-1Y-1Y-1M- 0Y-0MEX		1987	Mexico
CUTLER	CUTLER	CNO/CC//INIA	F2 SELECTION		1991	Canada
DARAB 2	DARAB2	MAYA/NAC	CM39424-OIRN		1995	Iran
DARIEL	DARIEL	HORK/YMH//KAL/BB	CM38212-OISR	PFAU	1987	Israel
DASHEN	DASHEN	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-1M-0Y- 0PTZ-0Y-0ETH	VEERY	1984	Ethiopia

DEKA	DEKA	VEE/3/GOV/AZ//MUS			1992	Zimbabwe
DEKALB	DKBC	Y54/KT54/2*AFRICA/MAYO/3/CNO			1978	Argentina
CHANAR						
DEKALB	DKBL	PI/CHR//SN64	II19957-18M-1Y-3M-9Y-0ARG	CIANO	1973	Argentina
LAPACHO						
DEKALB	DKBQ	CNO/ELGA//SN64			1978	Argentina
QUEBRACHO						
DEKALB TALA	DKBT	SN64/KLRE//MAS5			1973	Argentina
DEKALB	DKBU	PI/CHR//SN64	II19957-0ARG	CIANO	1976	Argentina
URUNDAY						
DELICIAS F 81	DLC	SN64A/GLL	II28054-92M-1R-1M-1R-0M-0MEX		1981	Mexico
DHUMRAN	DHMB	D6301/NAI6Q//WRM/3/CNO*2/CHR	CM11683-A-1Y-1M-3Y-0M-87B-0Y-0YEM	ALONDRA	1988	Yemen A.Rep
DIAMANTE INTA	DTE	BJ66/NAR59	II21872-9T-2B-3T-2B-0ARG		1975	Argentina
DICKCISSEL	DCK	PIN//BB/CAL/3/VAN	CM31099		1977	CIMMYT
DK.22S	DK.22S	UNRECORDED F2 POPULATION			1978	USA
DK.33S	DK.33S	UNRECORDED F2 POPULATION			1978	USA
DK.46S	DK.46S	UNRECORDED F2 POPULATION			1978	USA
DOBUC 1	DOBUC1	DOVE/BUC	CM58808-6AP-2AP-1AP-1AP-0AP		1995	CIMMYT/ICARDA
DOBUC 2	DOBUC2	DOVE/BUC	CM58808-1AP-2AP-1AP-4AP-0AP		1995	CIMMYT/ICARDA
DODO	DODO	COC/5/FN/TH//K58N/3/MY54/N10B//AN/4/TT/SN64//BZA/6/CROW	CM43956		1981	CIMMYT
DOGANKENT-I	DGNT	FLK/HORK	CM39816-1S-1AP-0AP-0TUR	CHAM4	1987	Turkey
DOHA 84	DOHA84	KVZ/TI//TITO	CM33090-N-1M-1Y-0M-0QAT	CHAT	1985	Qatar
DOLLARBIRD	DOLL	WE-M/GTO//KAL/BB	CM8288-0AUS	MONCHO	1987	Australia
DOMO INIA	DOMO	ND/VG9144//KAL/BB/3/YACO	CM62661-D-1M-1Y-3M-2Y-0M-0CHL		1993	Chile
DON ERNESTO	DERN	AU//KAL/BB/3/WOP	CM33203-K-9M-33Y-1M-500Y-0M-1J-0J-0ARG	BOBWHITE	1987	Argentina
INTA						
DOUGGA	DGA	KLPE/RAF//2*8156(R)	II23997-4Y-100M-300Y-0TUN		1974	Tunisia
DOURI	DOURI	CNO67/MFD//MON/3/SERI	CM81355-10Y-01M-0Y-10M-0Y	SIBIA	1984	CIMMYT/ICARDA
DOVE	DOVE	EMU/MRS//KAL/BB	CM38199		1979	CIMMYT

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
DRONGO	DNG	CNO/SOTY//TOB/3/2*TOB/ NAPO//INIA66/NAPO/4/MON	CM37756		1979	CIMMYT
DUCULA	DUCULA	HUAC/TI-R/3/ATR*2/7C// NAC/4/SARA	CM80232		1992	CIMMYT
DUMA	DUMA	AU/UP301//GLL/SX/3/PEW/4/ MAI/MAYA//PEW	CM67245-C-1M-3Y-1M-6Y- 1M-0Y-0KEN		1993	Kenya
EL GAVILAN	ELGV	VCM//CNO/7C/3/KAL/BB	CM8399-D-4M-3Y-1M-1Y-1M- 0Y-0PER	PAVON	1982	Peru
EL NIELAIN	ELN	S948.A1/7*STE	CMH72A.390-0SDN		1992	Sudan
EL PATO	ELPA	TZPP/SN64//NAR59	II21974-4R-4M-2R-0Y-0P-0Y- 500M-0Y-0BRA	PATO (R)	1980	Brazil
ELIZE	EZ	INIA66/P4160			1975	South Africa
ELRINA	ERN	CC/INIA66			1976	South Africa
EMBRAPA 21	EMB21	PAT10/ALD//VEE5	CM70427-0R-0R-2R-101K-900F-0R		1993	Brasil
EMBRAPA 22	EMB22	VEE/3/KLTO SIB/PAT19// MO73/JUP	CM58824-1Y-1M-1Y-0M-0BRA		1993	Brasil
EMU	EMU	TOB/NAPO//NO/ERA/3/BB/GLL	CM8327		1974	CIMMYT
EMU-Z	EMU.Z	TOB/NAPO//NO/ERA/3/BB/GLL	CM8327-0ZMB	EMU	1977	Zambia
ERECT RAF	ERAF	TZPP/SN64//NAPO/3/TOB/8156(R)	CM1162-2I-1A-2Y-0M		1973	CIMMYT
ERECT RGA	ERGA	TZPP/SN64//NAPO/3/TOB/8156(R)	CM1162-2I-1A-1Y-0M		1973	CIMMYT
ESMERALDA M 86	ESDA	BUC/BJY	CM49641-9Y-1M-1Y-5Y-0M-0MEX		1986	Mexico
ESTANZUELA BENTEVEO	EBEN	AU//KAL/BB/3/WOP	CM33203-K-10M-7Y-3M-2Y- 1M-0Y-0URY	BOBWHITE	1989	Uruguay
ESTANZUELA CARDENAL	ECAR	KVZ/BUHO//KAL/BB	CM33027-F-12M-6Y-1M-0Y-0URY	VEERY	1985	Uruguay
ESTANZUELA COLIBRI	ECOL	TTR/JUN	CM59123-4M-1Y-1M-5Y-3M- 0Y-0URY	BAGULA	1991	Uruguay

ESTANZUELA DOLORES	EDOL	SN64/SKE/LR64A			1974	Uruguay
ESTANZUELA PELON 90	EPEL	KVZ/TRM	SWM3879-9Y-13M-3Y-1M-0Y-0URY		1990	Uruguay
ESTANZUELA ZORZAL	EZOR	CH53/N10B			1966	Uruguay
EULE	EULE	BB/CNO67//CI12703/3/BOW/4/ KAL/BB//TQFN/3/PEW	CM73091		1985	CIMMYT
EUREKA	EE-U	ERA/CC//CNO/SN64	CM10656-0USA		1978	USA
FAISALABAD 83	FSD	FURY//KAL/BB	CM37138-48Y-1M-5Y-1M- 4V-5Y-0A-0PAK		1983	Pakistan
FAISALABAD 85	FSD85	MAYA/MON//KVZ/TRM	CM44083-N-3Y-1M-1Y-1M- 1Y-0B-0PAK		1985	Pakistan
FALAT	FALAT	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M- 87B-0Y-0IRN	VEERY 5	1989	Iran
FALKE	FALKE	BUC/4/TZPP//IRN46/CNO67/3/PRT	CM56744		1988	CIMMYT
FALY 92	FALY	JUN/BOW//VEE#5/BUC	CM75748-F-1M-2Y-04M-7Y- 1B-0Y-0MDG	MUNIA	1992	Madagascar
FASAN	FASAN	JCAM/EMU//CHRC/4/IAS20// WTE*3/NAR/3/KVK	CM66246		1988	CIMMYT
FATH	FATH	CNO/GLL	II27829-19Y-2M-5Y-1M-0M-0TUN		1973	Tunisia
FILIN	FILIN	F60314.76/MRL//CNO79/ 3/CMH73A.497/2*HER	CM97334		1993	CIMMYT
FINK	FINK	BON/YR/3/F35.70/KAL/BB	CM41860		1983	CIMMYT
FIOCCO	FIOCCO	SKA/Y50//ANZA			1987	Italy
FIRETAIL	FRTL	FCH3/TRT//VEE#9	CM82534		1992	CIMMYT
FISERECT # 4A	FERC	ZA75/3/TOB/CTFN/BB	CM6531-250M-6Y-2BF-0YF		1973	CIMMYT
FISERECT 2A	FERC2A	ZA75/3/TOB/CTFN/BB	CM6531-250M-3YF-IBF-0YF		1973	CIMMYT
FISERECT 3	FERC3	ZA75/3/TOB/CTFN/BB	CM6531-250M-7YF-0MF		1973	CIMMYT
FLICKER	FLK	WE-M//CNO/NO/3/ZBZ	CM8954		1975	CIMMYT
FLYCATCHER	FCT	JUP/EMU//GJO	CM43598		1983	CIMMYT
FYNEN	FYN	ZP/4/TP//CNO/NO/3/BB/ CNO/5/YD/BLT	CM31622		1977	CIMMYT
FOW	FOW	F134.71/CROW	SWM11147		1995	CIMMYT

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
GALLO	GLL	WTE*3/NAR59/SE/3/JAR	II22529		1969	CIMMYT
GALVEZ S 87	GALVEZ	BB/GLL/CARP/3/PVN	CM33483-C-7M-1Y-0M-5B-0Y-0MEX	JUNCO	1987	Mexico
GALVEZ S 87	GALDMS	CHRDMS/9*GALVEZ	CRG2102		1993	CIMMYT
DMS						
GAMTOOS	GMTO	KVZ/BUHO//KAL/BB	CM33027-F-12M-1Y-6M-0Y-0ZAF	VEERY 3	1983	South Africa
GARA	GARA	AU//KAL/BB/3/WOP	CM33203-K-9M-19Y-3M-3Y-0M-0ETH	BOBWHITE	1984	Ethiopia
			CM64224		1985	CIMMYT
GARUDA	GAA	NAC/VEE#5	II34167		1973	CIMMYT
GAVILAN	GV	CNO/NO//CC/INIA66	II5068-5H-1H-1H-0KEN		1964	Kenya
GEM	GEM	908/FN/CJ54	CM58924-1GM-0GM-0EGY		1991	Egypt
GEMMEIZA 1	GMZ1	MAYA74/ON/II60.147/3/BB/GLL/4/CHAT				
GENARO T 81	GEN	KVZ/BUHO//KAL/BB	CM33027-F-12M-1Y-6M-0Y-MEX	VEERY 3	1981	Mexico
GENARO T 81 DMS	GENDMS	CHRDMS/9*GEN	CRG2096		1993	CIMMYT
GENE	GENE	CLEO/PCHU//ZZ	SWM7426*-0USA		1992	USA
GERMA	GERMA	CC/INIA66/3/TOB/CTFN//BB/4/7C	CM8237-B-1M-3Y-2M-4Y-0M-0LBY		1983	Libya
GHURAB	GHURAB	71ST2959/CROW	SWM11623-2Y-0Y-1AP-0AP		1984	CIMMYT/ICARDA
GICINYA	GCYA	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M-7B-0Y-0RWA	VEERY 5	1985	Rwanda
GIMPEL	GIM	TI/TOB//ALD/3/VEE#5	CM64849		1985	CIMMYT
GISUZ	GISUZ	CS/E.GIG//2*CS/3/CNO79/4/SUZ8	CIGM87.887		1994	CIMMYT
GIZA 162	GZ162	VCM//CNO/7C/3/KAL/BB	CM8399-0EGY	PAVON	1987	Egypt
GIZA 163	GZ163	TAST/BON//CNO/7C	CM33009-F-15M-4Y-2Y-1M-1M-1Y-0M-0EGY		1988	Egypt
GIZA 164	GZ164	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M-90B-0Y-0EGY	VEERY 5	1988	Egypt
GIZA 165	GZ165	CNO/MFD//MON	CM43339-C-1Y-1M-2Y-1M-1Y-0B-0EGY		1991	Egypt

GLENNSON M 81	GLEN	KVZ/BUHQ/KAL/BB	CM33027-F-8M-1Y-8M-1Y-2M-0Y-0MEX II23561-E1	VEERY 1	1981	Mexico
GOLDFINCH	GOF	KT54E/KT54B/NAR59/ DRC/3/8156(B)/PJ62			1975	CIMMYT
GOLESTAN GOMAM	GLS GOMAM	D6301/NAI60/WRM/3/CNO*2/CHR WW33/VEE	CM11683-0IRN SWM11619-2AP-4AP-1AP-2AP-0AP	ALONDRA	1986 1989	Iran CIMMYT/ ICARDA
GORANKA	GORK	FN/K58/N/3/N10/B14/2*Y54			1977	Croatia
GOSHAWK	GHK	BB/KAL//ALD/3/Y50E/3*KAL//EMU	CM38795		1979	CIMMYT
GRAJO	GJO	TOB/CNO//TOB/8156(R)/ 3/CAL//BB/CNO	CM5816		1973	CIMMYT
GRANERO INTA	GRAI	BUC/BJY	CM49641-9Y-1M-2Y-3Y-0M- 1P-0P-0ARG		1987	Argentina
GRANIVO TUC	GTUC	VEE/BOW	CM67394-11Y-1M-2Y-1M-3Y-0B- 0ARG	TODY	1989	Argentina
GROUSE	GRS	KL.H686.F260Q/SR//TOB/CNO	CM30986		1979	CIMMYT
GUAJOLOTE	GTE	CJ54/36896/GB54/3/GB56/4/ CHR/5/CC	II22888		1987	CIMMYT
GUAMUCHIL M 92	GUAM92	CHUM18/BAU	CM91045-6Y-0M-0Y-1M-8Y- 0B-0MEX	CATBIRD	1992	Mexico
GUAPAY CIAT	GUAT	TZPP*2/AN//INIA66/3/CNO67/ JAR/KVZ	CM21335-C-9Y-3M-1Y-1Y- 1Y-0B-0BOL	KEA	1990	Bolivia
GUASAVE F 81	GSV	KVZ//KAL/BB/3/BON	CM33202-E-1M-2Y-0M-0MEX		1981	Mexico
GUN 91	GUN91	F35.7Q/MO73	SWM4908-1A-1A-1A-0A		1987	Turkey
GUO JI 13	GUO13	KVZ/BUHQ/KAL/BB	CM33027-2CHN-0CHN	VEERY	1987	China
GW 120	GW120	INIA66/CNO//INIA66/BB/ 3/Y50E/3*KAL			1985	India
GW 405	GW405	CNO//INIA66/BB/3/CNO//PI/GLL			1985	India
GWEBI	GWB	CNO//SN64/KLRE/3/8156	II23584-0ZWE	BLUEBIRD	1975	Zimbabwe
HAHN	HAHN	CEB148/KAL/7/HK/38MA/4/ 4777//REL/Y/3/KT/5/YR/6/TUC	CM33682		1980	CIMMYT
HAI	HAI	SN64A//TZPP/NA160	II18889-015R		1971	Israel
HAIDER-94	HAID94	AU/UP301/GLL/SX/3/FEW/4/ MAI/MAYA/PEW	CM67245-C-2M-0Y-0PAK		1993	Pakistan

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
HAMRA 76	HMA	ARZ	II21419-0DZA		1976	Algeria
HAR 407	HAR407	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M-0PTZ-0Y-0ETH	VEERY 5	1987	Ethiopia
HAR 416	HAR416	AU//KAL/BB/3/WOP	CM33203-K-10M-7Y-3M-1Y-2M-0Y-0ETH	BOBWHITE	1987	Ethiopia
HAR 604	HAR604	4777*2//FKN/GB/3/PVN	CM49912-37M-4Y-1M-1Y-0M		1993	Ethiopia
HAR 710	HAR710	MRL/BUC	CM61949-13Y-1M-2Y-1M-1Y-1M-0Y		1993	Ethiopia
HARAMOUN	HMN	7C/ON//INIA67/BMAN	II28424-8Y-1M-1Y-1M-0LBY	CUCKOO	1976	Libya
HARRIER	HAR	CNO/NO/3/C273//NP875/E853.5.8/4/7C/5/HORK	CM33435		1977	CIMMYT
HARTOG	HTG	VCM//CNO/7C/3/KAL/BB	CM8399-D-4M-4Y-2M-2Y-0M-0AUS	PAVON	1983	Australia
HAVIK	HAVIK	VEE/H499.71A//4*JUP	CMH80A.383		1988	CIMMYT
HAZEGA 1	HAZ1	BEZ/SU139//JUP/BJY	SWM11580-2AP-2AP-1AP-1AP-0AP		1984	CIMMYT/ ICARDA
HEKLA(F)	HKL	TOB/CNO//TOB/8156(R)/3/CAL//BB/CNO	CM5816	GRAJO	1977	CIMMYT
HELENE	HLN	BB//CNO/SN64			1975	South Africa
HELENE S13	HLN13	BB//CNO/SN64	S13-0ZAF		1979	South Africa
HENNE	HENNE	AGA/4*YR/4*HER	CMH81A.574		1988	CIMMYT
HERMOSILLO M 77	HER	JAR/NAPO/3/LR64//TZPP/3*ANE/4/BB/NOR//CNO/7C/3/CAL	CM20668-D-4Y-4M-1Y-0Y-0MEX	MAGPIE	1977	Mexico
HERMOSILLO PROTEINA	HERPRO	CMH75A.66/HER77//CMH75A.66	CMH80.127		1988	CIMMYT
HIPRO	HIPRO	TZPP//IRN46/CNO/3/PTR/4/NAC		BAYA	1984	USA
HOFF	HOFF	PEX/TOB	SWM865*-6H-2P-1H-0P-0USA		1992	USA
HOJA ERECTA UNO	HE1	C1162/CNO67//C1162	CMH73A.619-4B-2Y-2B-2Y-0Y		1988	CIMMYT
HOOPOE	HPO	KVZ//CNO/PJ62	SWM1285		1983	CIMMYT
HORK	HORK	HOP/ROH//KAL	CM8874		1974	CIMMYT

HORNBILL	HORN	IAS64/ALDAN				1986	Zambia
HP 1102	HP1102	8156(B)/NAD63				1979	India
HS 207	HS207	KVZ/BUHO//KAL/BB	CM33027-0HS-OIND	VEERY		1989	India
HS 240	HS240	BOW/PVN	CM61830			1989	India
HS 295	HS295	CQT/AZ//IAS55/ALD/3/ALD/ NAFN/4/PJN/PEL SL 1276.69	CM58478-1Y-2Y-1Y-0M-0IND	SPINETAIL		1991	India
HUACAMAYO	HUAC	YR//SN64/NY5207.85/3/ CNO/7C/GTO	CM8671			1974	CIMMYT
HUASTECA M 81	HTC	HOP/RON//KAL	CM8874-K-1M-1Y-1M-1Y-0M-0MEX	HORK		1981	Mexico
HUDEIBA-4	HUBA4	FLK/HORK	CM39816-15-1A-0AP-OSDN	CHAM4		1996	Sudan
HUDEIBA-6	HUBA6	W3918A/JUP	CM40096-84-74-0M-04P:OSDN	CHAM6		1996	Sudan
HUITES F 95	HUITES	VEE/KOEL	CM67395-2M-3E-1E-0E			1995	Mexico
HUW 206	HUW206	KVZ/BUHO//KAL/BB	CM33027-D-15M-4Y-4M-2Y- 2M-0IND	VEERY		1985	India
HW 517	HW517	BB/CC//CNO/3/NO/PI				1981	India
IAC 161-TAIAMA	IAC161	KVZ/GV//TTTO	CM30817-C-10Y-2M-1Y-0M-0BRA			1989	Brazil
IAC 162-TUTUIU	IAC162	KVZ//CNO/PJ62	SWM1285-2Y-3M-1Y-0M-0IAC-0BRA	HOOPOE		1986	Brazil
IAC 287-XACO	IAC287	HIM//COC/NAC	CM41195-0BRA	YACO		1990	Brazil
IAC 289- MARRUA	IAC289	KVZ/BUHO//KAL/BB	CM33027-0BRA	VEERY		1992	Brazil
IAN 7	IAN7	CNO/INIA66//CAL	II27284-0M-12M-1P-3P-0B-0P-0PRY			1981	Paraguay
IAN 8-PIRAPO	IAN8	AU//KAL/BB/3/WOP	CM33203-H-8M-8Y-1M-2Y- 2M-0Y-0PRY	BOBWHITE		1987	Paraguay
IAN 9-IGUAZU	IAN9	VEE/MYNA	CM73815-2M-1Y-03M-3Y-0B-0PRY			1993	Paraguay
IAPAR 17-CAETE	IA17	JUP/BJY	CM39992-8M-7Y-0M-0BRA			1986	Brazil
IAPAR 21- TAQUARI	IA21	KVZ//CNO/PJ62	SWM1285-2Y-3M-1Y-0M-0BRA	HOOPOE		1987	Brazil
IAPAR 28-IGAPO	IA28	KVZ/BUHO//KAL/BB	CM33027-F-12M-1Y-6M-0Y-0BRA	VEERY 3		1988	Brazil
IAPAR 29- CACATU	IA29	BJY/JUP	CM40038-6M-4Y-2M-1Y-2M- 1Y-0B-0BRA	CHEEL		1988	Brazil
IAPAR 32- GUARATA	IA32	ALDAN/IAS58	CM53481-14Y-1G-0G-1G-0G-0BRA			1989	Brazil
IAPAR 34- GUARAGI	IA34	ALD/PAT7219				-	Brazil

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
IAPAR 42-IBIARA	IA42	CEP7779//MRS/COC	CM70411-0L-2G-29G-0G-0BRA		1990	Brazil
IAPAR 47	IA47	KVZ/TI//TITO	CM33090-M-4M-2Y-4M-0Y-0BRA	CHAT	1991	Brazil
ICA SUSATA	ICSU	D6301/NA160//WRM/3/CNO*2/CHR	CM11683-A-1Y-3Y-11M-0Y-0COL	ALONDRA	1982	Colombia
ICA TENZA	ICTZ	MON/IMU	CM61942-4Y-2M-2Y-2M-2Y-0M-0COL		1989	Colombia
ICA YACUANQUER	ICYU	MRNG/4/NAD63/TOR//PCH/3/BLT/MES/5/PAT72195*2/ZP//ALD/EMU	CM57616-A-3Y-1Y-4M-2Y-1M-0Y-0COL		1991	Colombia
ICTA COMALAPA 84	ICCO	KL.H645.Y48000/JUP/7/KAL/BB/6/CNO67//BB/GLL/4/167/3/S310/PI//LR64/II18.47/5/CGN	CM36090-I-2M-1Y-5M-1Y-1M-0Y-0GTM	PAJONAL	1984	Guatemala
ICTA OLINTEPEQUE 86	OPQ	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M-0Y-500B-0Y-0GTM	VEERY 5	1986	Guatemala
ICTA PATSUN 84	ICPA	BB/KAL//ALD/3/7C	CM37557-D-5Y-1M-4Y-1M-0Y-0GTM		1984	Guatemala
ICTA SARA 82	SARA	F35.70/4/TP//CNO67/NO/3/CNO67/7C/5/JUP	CM38088-G-1Y-4M-1Y-3M-1Y-0Y-0GTM		1982	Guatemala
ICTA SIJA	ICSJ	JUN/BOW//VEE#5/BUC	CM75748-F-1M-2Y-04M-5Y-2B-0Y-0X-0GTM	MUNIA	1992	Guatemala
II8156	8156	PJ62/GB55	II8156		-	
IMBABURA	IBB	TL365A.34/YR//BON	CM11699-K-1Y-6M-1Y-0M-0ECU		-	Ecuador
IMURIS T 79	IMU	BY/MAYA/4/BB//HD832.5.5/ON/3/CNO67/PJ62	CM31678-R-4Y-2M-5Y-0M-0MEX	BUCKBUCK	1979	Mexico
INDUS 66	IND	PJ62/GB55	II8156-0PAK	II8156	1966	Pakistan
INIA	INIA	LR64/SN64	II19008		1966	CIMMYT
INIA C 102	IN102	CC/INIA//BB	-18M-0PER		1982	Peru
INIA F 66	INIA66	LR64/SN64	II19008-83M-100Y-100M-100Y-100C-0MEX		1966	Mexico
INIA 66R	IN66R	LR64/SN64	II19008-83M-100Y-100C-104C-0USA		1970	USA

INIA F 67	INIA67	LR64/SN64	II19008-83M-100Y-100M-100Y-100C-100Y-0MEX		1967	CIMMYT
INIAP COJITAMBO 92	INCO	BON/YR3/F35.70/KAL/BB	CM41860-A-5M-2Y-3M-1Y-1M-1Y-0B-0ECU	FINK	1994	Ecuador
INIAP QUILINDANA 94	INQL	PEG/PF70354/4/KAL/BB//ALD/3/MRNG	CM58340-A-1Y-2Y-3M-2Y-1M-0Y-0ECU	BURRION	1994	Ecuador
INSEE1	INSEE1	UNKNOWN			1987	Thailand
INSEE2	INSEE2	SELECTION FROM IBWSN UNKNOWN			1987	Thailand
IRENA	IRENA	SELECTION FROM BWON BUC/FLK//MYNA/VUL	CM91575		1992	CIMMYT
ITAPUA 25	ITP25	PI/4*LR/TZPP/KNTT#2	II18790-1R-1T-2Y-1C-0PRY		1979	Paraguay
ITAPUA 30	ITP30	JUP/ALD	CM36867-18Y-21M-3Y-0M-0E-0PRY		1985	Paraguay
ITAPUA 35	ITP35	CMH74A.754//PEL72380/ATR71	CMH77.204-4Y-1B-3Y-0PTZ-OE-0PRY		1988	Paraguay
APEREA						
ITAPUA 40-OBLIGADO	ITP40	BOW/GEN	CM64693-3M-2Y-5M-1Y-0M-0PRY	LOXIA	1992	Paraguay
ITAPUA 5	ITP5	SN64/KLRE	II19975-0BRA		1974	Brazil
ITAPUA 6	ITP6	SN64/SKE//LR64A			1974	Paraguay
IZMIR 85	IZM85	UNKNOWN SEL. FROM ISWYN			1985	Turkey
JACANA	JACANA	IAS58/4/KAL/BB//CJ71/3/ALD/5/YAV	CD58620		1991	CIMMYT
JAHUARA M 77	JAHA	TZPP/PL//7C	CM5287-J-1Y-2M-1Y-0M-0MEX	BLUEJAY	1977	Mexico
JAQUI ENANO	JACE	H569.71/5*JACUI	CMH80.288		1988	CIMMYT
JARAL F 66	JAR	SN64A//TZPP/NAI60	II18889-101M-1R-3C-4Y-0MEX		1966	Mexico
JILGUERO	JI	CNO/7C/CNO/PJ62	II25917		1971	CIMMYT
JING XUAN 9	JINGX9	KVZ/BUHO//KAL/BB	CM33027-1CHN-0CHN	VEERY	1987	China
JOUDA	JOUDA	KAL/BB	II26992-0MAR		1984	Morocco
JUHUDI	JUHUDI	CEB148/KA/7/HK/38MA/4/4777//REI/Y/3/KT/5/YR/6/TUC	CM33682-0TZA	HAHN	1987	Tanzania
JUNCO	JUN	BB/GLL//CARP/3/PVN	CM33483		1977	CIMMYT
JUNGFRAU	JUG	FN/TH//Y54/N10B/3/NAR59/4/PJ62/GB55/2*GB56	II20794		1977	Ecuador

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
JUPATECO F 73	JUP	II12300/LR64/8156/3/NOR	II30842-31R-2M-2Y-0M-0MEX		1973	Mexico
KAGHAN-93	KAG93	TTR/JUN	CM59123-3M-1Y-2M-1Y-2M-2Y-0M-0PAK	BAGULA	1993	Pakistan
KAKLIC 88	KAKLIC	KVZ/BUHO//KAL/BB	CM33027-F-12M-1Y-4M-1Y-1M-0Y-0TUR	VEERY	1988	Turkey
KALAMA 75	KLMA	LR/N10B/3*ANE	II8739-4R-1M-1R-0DZA		1975	Algeria
KALYAN	KAL	PJ62/GB55	II8156-0IND	II8156	-	India
KALYAN	KALBB	KAL/BB	II26992-0MDG		1984	Madagascar
BLUEBIRD						
KALYANSONA	KAL	PJ62/GB55	II8156-0IND	II8156	-	India
KARAMU	KAR	LR/N10B/3*ANE	II8739-4R-1M-1R-0NZL		1972	New Zealand
KARAWAN	KARW	C182.24/C168.3/3/ CNO/7C*2//CC/TOB	SWM6828		1985	CIMMYT/ ICARDA
KASIFBEY95	KASI95	HORK/YMH//KAL/BB	CM38212-I-7Y-2M-1Y-3M-2Y-0M-0TUR	PFAU	1995	Turkey
KATHADIN	KA	RON/CHA//BB/NOR	CM5484		1979	CIMMYT
KAUZ	KAUZ	JUP/BJY//URES	CM67458		1985	CIMMYT
KAVKO	KVK	KVZ/3/CNO/CHR/ON	SE375		1979	Turkey/Kenya
KEA	KEA	TZPP*2/AN//INIA66/3/ CNO67/JAR/KVZ	CM21335	KEA	1981	CIMMYT
KEERTHI	KEER	SKA/TOB	II27185/8M-2Y-2M-0Y-IND		1981	India
KENYA KWALE	KWALE	KVZ/TI/3/MAYA/BB//INIA66	CM33089-W-3M-7Y-1M-0Y-1KE-OKEN	KINGLET	1987	Kenya
KENYA MBUNI	MBU	ZA75/3/LD357E/TC//GLLA	X30520-1B-1B-3Y-0Y-OKEN		1987	Kenya
KHAIR	KHAIR	MAYA/LR64			1988	Morocco
KHAZAR 1	KH1	P4160//SN64/LR64			1974	Iran
KHROUB 76	KRB		MASA 8Y-0M-0BK-0DZA		1976	Algeria
KHYBER 87	KH87	KVZ/TRM//PTM/ANA	CM43903-H-4Y-1M-1Y-3M-2Y-0B-0PAK	LIRA	1987	Pakistan

KINGLET	KLT	KVZ/TI/3/MAYA//BB/INIA66	CM33089		1979	CIMMYT
KINIGI	KIG	BB/CNO//JAR/3/CNO/7C//CC/TOB			1985	Rwanda
KLEIN ATALAYA	KLAY	NO/BB4A//CC/WE-M	CM12263-0ARG		1982	Argentina
KLEIN BRUJO	KLBJ	IAS58/4/KAL/BB/CJ/3/ALD/5/URES	CM81811-9Y-101F-2Y-1F-0Y-KA20		1996	Argentina
KLEIN	KLCA	JUP/3/PJ62/WRT//CAL	CM28224-KF-13200-0ARG		1984	Argentina
CARTUCHO						
KLEIN DRAGON	KLDR	BOW/GEN	CM64693-3M-1Y-1M-3Y-0M-K310-0ARG	LOXIA	1992	Argentina
KOEL	KOEL	BB/GLL//Y50E/3*KAL/3/LFN//HD832/BB	CM34574		1979	CIMMYT
KOHINOOR 83	KHN	ORE F1 158/FDL//MFN/2*TIBA63/3/COC	CM37987-I-1Y-5M-0Y-0PAK	TEETER	1983	Pakistan
KOHSAR-92	KOH92	PSN/BOW	CM69560-1M-1Y-1M-2Y-0M-0PAK		1993	Pakistan
KWARE	KWARE	BB/GLL//CJ71/3/F35.70//KAL/BB	CM34555-B-1M-4Y-1M-1Y-2M-0Y-0TZA		1989	Tanzania
KWECHE	KWECHE	LR64/SN64	II19008-52M-6Y-7M-101C-0TZA		1970	Tanzania
LA MOLINA 82	LM82	KVZ/BUHQ//KAL/BB	CM33027-F-8M-1Y-8M-1Y-2M-0Y-0PER	VEERY 1	1982	Peru
LAKETCH	LKT	PJ62/GB55	II8156-0ETH	II8156	-	Ethiopia
LAMI	LAMI	MAYA/CLI	CM39427-14AP-2AP-1AP-0AP		1984	CIMMYT/ICARDA
LAS ROSAS INTA	LRI	KLAT//INIA66/BB/4/NP876/PJ//CAL/3/BB	CM16716-Q-3M-2Y-2J-2J-0J-0ARG	COWBIRD	1983	Argentina
LAZA 92	LAZA	LOV23/BJY/3/BB/NOR//CNO67/7C/4/MON/ALD	CM88375-15Y-0M-0Y-2M-0Y-0MDG		1992	Madagascar
LECHUZA	LZA	TOB/8156//CC/INIA66/3/JAR	CM5629-A-1Y-1M-1Y-0MF		1973	CIMMYT
LENANA	LEN	Y48/KT48	II2589-9Y-6C-1Y-2C-0KEN		1963	Kenya
LEONES INTA	LNI	SN64A//TZPP/NAI60	II18889-101M-1R-3C-1T-2B-0J-0ARG		1974	Argentina
LERMA ROJO 64	LR64	Y50/N10B//L52/3/2*LR	II8724-8Y-1C-6Y-0MEX		1964	Mexico
LERMA ROJO 64A	LR64A	Y50/N10B//L52/3/2*LR	II8724-8Y-1C-1Y-0MEX		1964	Mexico
LIESBECK	LIE	CNO/INIA66			1976	South Africa
LILEN INIA	LILI	BJY/JUP	CM40038-6M-4Y-2M-1Y-2M-1Y-0B-0CHL	CHEEL	-	Chile

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
LIMA 1	LIMA	KVZ/BUHO//KAL/BB	CM33027-F-12M-1Y-6M-0Y-PRT	VEERY 3	1982	Portugal
LIRA	LIRA	KVZ/TRM//PTM/ANA	CM43903		1980	CIMMYT
LIRA SA 92	LIRA92	KVZ/TRM//PTM/ANA	CM43903-0TUR	LIRA	1992	Turkey
LOERIE	LRE	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M-0ZMB	VEERY 5	1985	Zambia
LOERIE II	LREII	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M-0ZMB	VEERY 5	1987	Zambia
LOMAX TUC	LTUC	WRM//KAL/BB/3/BOW	CM69828-2T-3Y-02M-2Y-0B-0ARG		1989	Argentina
LOXIA	LOXIA	BOW/GEN	CM64693		1992	CIMMYT
LUAN	LUAN	WUH1/GLEN/4/INIA66/AG.DI// INIA66/3/GEN	CM100587		1992	CIMMYT
LUCANIA	LUN	NAR59/3/PJ62/GB/TZPP/KNTT#2	II22339		1977	CIMMYT
LUCERO-MEX	LUCO-M	CMH79A.955*2/CNO79// CMH79A.955/BOW	CMH83.617		1987	CIMMYT
LURK	LURK	KVZ/3/TOB/CTFN//BB/4/ BLO/5/BOW	CM67984		1988	CIMMYT
LYALLPUR 73	LLP	BB/NOR	II27100-307M-100A-0A-0PAK		1973	Pakistan
MACHEKE	MACH	TZZP/SN64A	II19021-0ZWE	BAJIO 67	1967	Zimbabwe
MACS2496	MA2496	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M-87B- 0Y-0MAC-0IND	VEERY 5	1988	India
MADEIRA	MAD	ALD/4/KAL/SKA/CNO/ INIA66/3/CNO/CHR	CM32586		1977	CIMMYT
MAGPIE	MGP	JAR/NAPO/3/LR64/TZPP/ 3*ANE/4/BB/NOR/CNO/7C/3/CAL	CM20668		1976	CIMMYT
MAHISSA 16	MHS16	7C/TOB/CNO			-	Spain
MAHISSA 18	MHS18	CHEG/GTO/3/SN64/TZPP/ Y54/4/SN64/5/Y50E/8156/KAL			-	Spain
MAHISSA 19	MHS19	TOB/8156/CC/INIA66/3/YR			-	Spain
MAHONE F 81	MHE	TOB/BMAN//BB/3/CDL/4/SX	CM8972-9M-1M-1Y- 0M-(1-53B)-0MEX	NIPIGON	1981	Mexico
MAIPO	MAI	LR64/SN64/TZPP/AN64	II22389		1977	CIMMYT

MAITEN INIA MALAVIYA 206	MAIT MLV206	TZPP/PL/7C KVZ/BUHO//KAL/BB	CM5287-J-1Y-2M-2Y-3M-0Y-0CHL CM33027-D-15M-4Y- 4M-2Y-2M-0Y-0IND CM92017-K-0Y-0M-0Y- 3M-0Y-0MDG	BLUEJAY VEERY	1982 1985	Chile India
MANAMBINA 92	MNBN	ALD/CEP75630//CEP75234/ PAT7219/3/HPO/FACT GLI/AUST II61.157// CNO/NO66/3/KAL/BB			1992	Madagascar
MANGALA	MANG	GLI/AUST II61.157// CNO/NO66/3/KAL/BB			1989	India
MANGO MARCOS JUAREZ INTA	MANGO MJI	RSK/AZ//PVN SN64/KLRE	CM41170 II19975-68Y-1J-4Y-1J-0B-0ARG		1990 1971	CIMMYT Argentina
MARIANELA MARIB 1	MRNL MARIB1	CNO//SN64/KLRE/3/8156 VCM//CNO/7C/3/KAL/BB	II23584-26Y-2M-3Y-2M-0Y-0CHL CM8399-D-4M-3Y- 1M-1Y-1M-0Y-0YMD CM43381-0ZAF CM8963-A-1M-1Y-1M-3Y-0M-0CHL	BLUEBIRD 4 PAVON	1978 1983	Chile Yemen A.Rep
MARICO MARISOL	MARICO MSOL	BROADBILL SD648.5/8156/3/CHR// SN64/KLRE/4/BB/CAL/5/ZBZ AU//KAL/BB/3/WOP		CHIROCA	1993 1984	South Africa Chile
MARMARA 86	MARM	AU//KAL/BB/3/WOP	CM33203-K-12M-1Y-5M- 5Y-0M-0TUR CM66120	BOBWHITE	1986	Turkey
MATUPARI	MATUP	2109.36/VEE/4/WRM// KAL/BB/3/KAL/BB//ALD			1988	CIMMYT
MAXIGENE 1651 MAYA 74 MAYO 64 MAYOOR MBAYUWAYU MBEGA	WS1651 MAYA MY64 MAYOOR MBAY MBEGA	PI/CHR/SN64 CNO/GLL MY54/N10B/2*Y54 CS/A.CURV//GLEN/3/ALD/PVN KVZ/K4500.L.6.A.4 BON/YR/3/F35.70//KAL/BB	II19957-1969-0USA II27829-19Y-2M-0Y-0GTM II8481-2Y-8C-2Y-5C-2Y-0MEX CIGM84.295 SWM176-0TZA CM41860-A-5M-2Y-3M-1Y- 1M-1Y-0B-0PTZ-0KEN X30520-1B-1B-3Y-0Y-0KEN CM67458-0MAR CM33027-F-15M-500Y -0M-87B-0Y-0PAK SWM4585	WS1651 FINK	1969 1974 1964 1992 1987 1993	USA Guatemala Mexico CIMMYT Tanzania Kenya
MBUNI MEHDIA MEHRAN 89	MBUNI MEHDIA MEHR89	ZA75/3/LD357E/TC//GLLA JUP/BJY//URES KVZ/BUHO//KAL/BB		KAUZ VEERY	1987 1993 1989	Kenya Morocco Pakistan
MEISE	MEI	R37/GHL121/3/CNO/ INIA66//HD832/ON			1983	CIMMYT

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
MEREL	MEREL	CNO67/MFD/MON/ 3/KAL/BB/TQFN	CM72601		1988	CIMMYT
MESABI	MES	WAL/3/CC/8156/CNO/4/7C	CM5513		1977	CIMMYT
METALTAIL	MLT	ORE F1 158/FDL/KAL/BB/3/NAC	CM47634		1983	CIMMYT
MEXICAN 16	MEX16	TZZP/SN64A	II19021-0ZWE		1968	Zimbabwe
MEXICANI	MXC	LR/N10B/3*ANE	II8739-4R-1M-1R-OSDN		-	Sudan
MEXICANO 1481	MEX	YT54/N10B26.1C	II7064-0PRT		-	Portugal
MEXICO 120	MX	YT54/N10B26.1C	II7064-0AUS		-	Australia
MEXICO M 82	MEX82		II46727-5R-1R-0R-0MEX		1982	INIFAP
MEXIFEN	MFN	SN64A/6*SKE/3*ANE	II18903-17M-2R-3C-0CHL		1973	Chile
MEXIPAK	MPX	PJ62/GB55	II8156-0PAK	II8156	1965	Pakistan
MG 1	MG1	IAS64/ALDAN	CM47207-16M-2Y-3F- 704Y-7F-700Y-0BRA		1986	Brazil
MILAN	MILAN	VS73.600/MRL/3/BOW/YR/TRF	CM75113		1988	CIMMYT
MILLALEAU INIA	MLI	KVZ/BUHO/KAL/BB	CM33027-F-12M-1Y-6M-0Y-0CHL	VEERY 3	1982	Chile
MILLEWA	MEW	CC/8156			1979	Australia
MILO 8P2.9 DMS	8P2DMS	CHRDMS/9*MILO 8P2.9	CRG2095		1993	CIMMYT
MIMUS	MIMUS	OPATA*2/WULP	CM100684		1992	CIMMYT
MINDORO	MDRO	JUP/BJY	CM39992-0USA		1984	USA
MINIVET	MNV	BB/CNO/INIA66/ SOTY/3/SPRW/4/PVN	CM37705		1979	Mexico
MIRA-P	MIRA-P	Y50E/3*KAL	II35188-5M(F1)-39Y-0M-24Y-0Y-0PRT		1983	Portugal
MIRLO	MIRLO	CNO/7C/KAL/BB/3/PCI	CM29686 AND CM29687		1981	CIMMYT
MIVHOR	MHR	PJ62/GB55	II8156-0ISR	II8156	-	Israel
MIXTECO S 82	MIX87		II41593-8R-2R-1R-301R-0MEX		1982	INIFAP
MOCHIS 73	MO73	SN64/KLRE/BB	II26502-8Y-9M-1T-1M-5S-0M-0MEX		1973	Mexico

MOCHIS T 88	MO88	PRL/VEE#6	CM64624-2Y-1M-4Y-0M-34Y-0M-0MEX		1988	Mexico
MOGHAN I	MGN	LR/N10B/3°ANE	II8739-4R-1M-1R-0IRN		1974	Iran
MONARCHA	MNCH	JCAM/EMU//DOVE	SWM12314		1993	CIMMYT
MONASA	MONASA	OPATA/AUK	CM97037		1992	CIMMYT
MONCHO	MON	WE-M/GTO//KAL/BB	CM8288-0BRA	MONCHO	1978	Brazil
MONCHO	MON	WE-M/GTO//KAL/BB	CM8288		1974	CIMMYT
MOR	MOR	TRM//KAL/BB	CM37130		1980	CIMMYT
MOYJA CIAT	MYJA	KVZ/K4500.L.6.A.4	SWM176-3M-1Y-4Y-1Y-1M-0Y-1PTZ-0Y-0BOL		1986	Bolivia
MRNG-ALDAN	MRALN	MRNG/ALDAN	CM46961-13M-1Y-2M-601Y-3PTZ-0Y-0BDI		1990	Burundi
MUKHTAR	MUKH	KVZ/BUHQ//KAL/BB	CM33027-F-15M-4Y-4M-3Y-2M-1Y-0M-0YEM	VEERY 7	1988	Yemen A.Rep
MULEGE F 81	MLE	TOB/BMAN//BB/3/CDL/4/SX	CM8972-9M-1M-5Y-0M-0MEX	NIPIGON	1981	Mexico
MUNIA	MUNIA	JUN/BOW//VEE#5/BUC	CM75748		1992	CIMMYT
MUSALA	MUS	LEE/KVZ/3/CC//RON/CHA	CM16780		1977	CIMMYT
MYNA	MYNA	ND//WW//LEE/FN/3/N/4/TI-R	SWM4589		1979	CIMMYT
MYNA DMS	MYNDMS	CHRDMS/SERI//8°MYNA	CRG2097		1993	CIMMYT
NACUZARI F 76	NAC	TZPP/PL//7C	CM5287-J-1Y-2M-2Y-3M-0Y-0MEX	BLUEJAY	1976	Mexico
NADADORES M 63	NAD	PJ62/2°Y54	II8501-A-10M-6R-1M-2Y-0MEX		1963	Mexico
NAICA	NAICA	SN64A/TZPP/NAI60	II18889-6T-1T-2B-1T-1T-0PRY		1974	Paraguay
NAMBU	NAM	SN64/TZPP			1978	Brazil
NARRO F 84	NRR84	KVZ/BUHQ//KAL/BB	CM33027-F-12M-1Y-5M-1Y-0M-0MEX	VEERY	1984	Ussan
NARRO VF 74	NARRO	BB/INIA66//NAPQ/3/II20350	II38620-102S-1M-6R-0M-0MEX		1974	INIFAP
NATA	NATA	KVZ/BUHQ//KAL/BB	CM33027-0ZWE	VEERY	1969	Zimbabwe
NAWRAS	NAW	AU//KAL/BB/3/WOP	CM33203-G-9M-2Y-501M-500Y-0M-6KE-0KE-0AP	BOBWHITE	1985	CIMMYT/ICARDA
NEELKANT	NKT	HD122Q/3°KAL//NAC	CM40454		1980	CIMMYT
NEMURA	NEMURA	NZT/BEZ1//ALD/4/NAD//TMP/CI12406/3/EMU	SWO780127B		1993	CIMMYT

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
NESSER	NESSER	W3918A/JUP	CM40096-8M-7Y-0M-0AP-0JOR	CHAM 6	1990	Jordan
NESTOR	NESTOR	HUAC/TI-R/3/ATR*2/7C// NAC/4/SARA/5/VEE	CM87526		1991	CIMMYT
NGAMIA	NGAMIA	BY/MAYA/4/BB//HD832.5.5/ ON/3/CNO67/PJ62	CM31678-R-4Y-2M- 1Y-2M-1Y-0B-0KEN	BUCKBUCK	1993	Kenya
NIAW34	NIAW34	CNO79/PRL			1995	India
NICKNEJAD	NICK	F134.71/CROW	SWM11147-1AP-2AP-1AP- 1AP-OAP-0IRN	FOW	1996	Iran
NING8201 DMS	NINDMS	CHRDMS/9*NING8201	CRG2106		1993	CIMMYT
NINGMAI 7	NING 7	SHANGHAI #4			1993	China
NIPIGON	NIP	TOB/BMAN//BB/3/CDL/4/SX	CM8972		1977	CIMMYT
NIRY 92	NIRY	BUC/BJY//CEP80120	CM88156-5M-0Y-0N-7Y-0M-0MDG		1992	Madagascar
NJOMBE 6	NJO6	BON/YR/3/F35.70/KAL/BB	CM41860-A-5M-2Y-1M- 1Y-0M-0TZA	FINK	1988	Tanzania
NJOMBE 7	NJO7	IAS20/H567.71//4*IAS20	CMH78.409-1Y-3PTZ-3Y- 7B-0Y-0TZA		1988	Tanzania
NKUNGU	NKUNGU	2109.36/VEE/4/WRM// KAL/BB/3/KAL/BB//ALD	CM66120-D-1M-1Y-1M-1Y- 1M-0Y-0UGA	MATUPARI	1995	Uganda
NKWAZI	NKWAZI	KVZ/3/TOB/CTFN//BB/4/BLO// 5/VEE#5/6/BOW/3/YD//BB/CHA	CM75650-C-1M-1Y-03M-3Y-0B		1993	Zambia
NL 459	NL459	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y- 0B-98B-0Y-0NPL	VEERY 5	1988	Nepal
NOBO INIA	NOBO	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y- 0M-107B-0M-0CHL	VEERY 5	1985	Chile
NODNA	NODNA	DGA/BJY	CM40610-0DZA	TYRANT	1992	Algeria
NORKIN	NKC	JL//CNO/PJ62	CM21746-3A-2G-2G-0A-0G-0ARG		1984	Argentina
CABURE						
NORKIN IRUPE	NKI	CNO/GLL//ND81/TZPP	CM23126-5A-1G-1G-0A-0G-0ARG		1984	Argentina

NORKIN PAN	NKPAN	CNO/NAD//CHR			1978	Argentina
NORKIN T82	NKT82	PV18/CNO//MJ1			1982	Argentina
NOROESTE F 66	NO	LR64/SN64	II19008-52M-4Y-4M-2Y-0MEX		1966	Mexico
NORTENO 67	NOR67	LR64/SN64	II19008-52M-6Y-3M-2Y-0BGD		1972	Bangladesh
NORTENO M 67	NOR	LR64/SN64	II19008-52M-6Y-3M-2Y-0MEX		1967	Mexico
NURI 70	NURI70	CNO//SN64/KLRE/3/8156	II23584-25Y-6M-0Y-0PAK	BLUEBIRD	1975	Pakistan
NURI F 70	NR	CNO//SN64/KLRE/3/8156	II23584-15Y-6M-0Y-0MEX	BLUEBIRD 1	1970	Mexico
OASIS F 86	OASIS	AGA/3*YR	CMH77A.485-8B-5Y-1B-1Y-0B-0MEX		1986	Mexico
OCEPAR 7-BATUIRA	OC7	TZPP*2/AN//INIA66/3/CNO67/JAR//KVZ	CM21335-C-9Y-3M-1Y-1Y-1Y-0B-0BRA	KEA	1984	Brazil
OCEPAR 8-MACUCO	OC8	IAS64/ALDAN	CM47207-6M-103PR-2T-0T-0BRA		1984	Brazil
OCEPAR 9-PERDIZ	OC9	IAS58/BJY//BNQ	CM47971-A-4M-105PR-2T-0T-0BRA		1984	Brazil
OCEPAR 10-GARCA	OC10	MRNG/ALDAN	CM46961-16M-109PR-1T-0T-0BRA		1984	Brazil
OCEPAR 11-JURITI	OC11	MRNG/ALDAN	CM46961-16M-113PR-1T-0T-0BRA		1984	Brazil
OCEPAR 14	OCEP14	IAS64/ALDAN//COC/AMD	CM51665-F-2Y-2M-1Y-2Y-0P-0BRA		1988	Brazil
OCEPAR 16	OCEP16	BNQ/CNT10/6/PJ62//CNO67/7C/4/CNO//INIA66//BB/3/PCI/5/B1701			1989	Brazil
OCEPAR 17	OCEP17	KAL/BB//ALD/3/B7408	CM53596-1M-3F-2Y-0P-0BRA		1989	Brazil
OCEPAR 18	OCEP18	KVZ/BUHO//KAL/BB	CM33027-F-3M-3Y-1M-0Y-1OY-0B-0BRA	VEERY	1990	Brazil
OCEPAR 19	OCEP19	ALD/PVN	CM49901-9Y-1Y-1M-3Y-0M-0BRA		1990	Brazil
OCORONI F 86	OCI	JUP/EMU//GJO	CM43598-II-8Y-1M-1Y-3M-3Y-0B-0MEX	FLYCATCHER	1986	Mexico
ONDA INIA	ONDA	VCM//CNO/7C/3/KAL/BB	CM8399-D-4M-3Y-1M-1Y-0M-0CHL	PAVON	1982	Chile
OPATA M 85	OPATA	BJY/JUP	CM40038-6M-4Y-2M-1Y-2M-1Y-0B-0MEX	CHEEL	1985	Mexico
OPATA M 85 DMS	OPTDMS	CHRDMS/9*OPATA	CRG2103		1993	CIMMYT

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
OR 1	OR1	PF869107/BAGULA	CM104628-0M-20U-51Y-1U-OU		1995	Brazil
OR JUANITO	ORJU	CAR853/COC//VEE/3/BOW	CM86106-8Y-0M-0Y-10M-0Y-OBRA		1994	Brazil
ORIGMA	ORIGMA	YMH/HYS/SDY/4/BEZ// TOB/8156/3/ALD	OWW780281		1993	CIMMYT
ORIOLE	ORI	MAYA//PV18/CNO67/3/CDL	CM26118		1977	CIMMYT
ORIZABA	ORZ	CNO/7C//CC/TOB	II25918		1977	CIMMYT
OSLO	OSLO	CC//INIA66/3/CNO/ELGA//SN64			1980	USA
OSPREY	OSP	NAPO/CDL//SAM/TOR	CM8701		1975	CIMMYT
OTANE	OTANE	TOB/NAPO//NO/ERA/3/BB/GLL	CM8327-0NZL	EMU	1985	New Zealand
OVACION INIA	OVAI	AU//KAI/BB/3/WOP	CM33203-H-11M-5Y-0M-0CHL	BOBWHITE	1984	Chile
OWL	OWL	GTO/7C//BB/CNO/3/ BUHO/4/BLT/SJM	CM34704		1977	CIMMYT
PAI 4	PAI4	INIA67/CAL//INIA66/CC	II28647-67Y-1M-1Y-0Y-OBOL		-	Bolivia
PAI 593	PAI593	LR*2/SN64//CC/3/SKA	II34093-6Y-0M-OBOL		-	Bolivia
PAI 711	PAI711	LR*2/SN64//CC/3/SKA	II34093-6Y-0M (1-12)-OBOL		-	Bolivia
PAI ALCAPARRO	PAO	TZPP*2//AN//INIA66/3/ CNO67/JAR/KVZ	CM21335-C-9Y-3M-1Y-1Y-1Y- 0B-OBOL	KEA	1985	Bolivia
PAI AURORA	PAU	AU//UP301//GLL/SX	CM31154-N-2Y-9Y-9M-0Y-BOL		1985	Bolivia
PAI COMOMOSI	PACO	TZPP/PL/7C	CM5287-J-1Y-2M-2Y-3M-0Y-OBOL	BLUEJAY	1985	Bolivia
PAI CUPESI	PCUP	CNO/8156//TOB/CNO/ 3//INIA66//II20350	II38837-9Y-2M-1Y-3M-500Y- 0M-OBOL	BOBITO	1985	Bolivia
PAI KOWARI	PAKO	AU//KAI/BB/3/WOP	CM33203-K-9M-2Y-1M-1Y- 1M-0Y-OBOL	BOBWHITE	1985	Bolivia
PAI KUPECHICHO	PKUP	TI//TOB//ALD	CM33217-Q-4M-1Y-0M-167Y-0Y-OBOL		1985	Bolivia
PAI MISTOL	PAMI	AU//KAI/BB/3/WOP	CM33203-K-9M-19Y-3M- 3Y-0M-OBOL	BOBWHITE	1985	Bolivia
PAI TOBOROCHI	PATI	PF70354/ALD//MES	CM57597-CC-2Y-1Y-4M-0Y-OBOL		1987	Bolivia

PAJONAL	PJN	KL.H645.Y4800Q/JUP/7/ KAL/BB/6/CNO67//BB/GLL/4/ I67/3/S310/PI//LR64/II18.47/5/CGN	CM36090		1980	CIMMYT
PAK 81	PAK81	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y- 0M-76B-0Y-0PAK	VEERY 5	1981	Pakistan
PALOMA	PL	PATO//INIA66/NAPO	II25499		1972	CIMMYT
PAMIR	PAM	JAR/KVZ//YR	CM20839		1977	CIMMYT
PAMIR-94	PAM84	YMH/TOB//MCD/3/LIRA	SWM12289-7M-0M-8M-1M- 3WM-0WM-0AFG		1994	Afghanistan
PAPAGO M 86	PGO	BUC/PVN	CM52359-2M-3Y-1Y-2M- 1Y-0M-0MEX		1986	Mexico
PARAGUAY 214	PGY214	Y54/KT54B	II7028-10Y-1H-1R-2M-0BRA		1972	Brazil
PARI 73	PARI	CNO//SN64/KLRE/3/8156	II23584-303M-0Y-11A-1A-1436-0PAK	BLUEBIRD	1973	Pakistan
PARROT	PARROT	RRV/WW15/3/BJ/2*ON// BON/4/NAC	CM65202		1991	CIMMYT
PARULA	PRL	FKN/3/2*FR//KAD/GB/4/BB/CHA	CM25988		1981	CIMMYT
PARULA DMS	PRLDMS	CHRDMS/9*PRL	CRG2100		1993	CIMMYT
PARUS	PARUS	SERI*3/BUC	CRG68		1992	CIMMYT
PASA	PASA	BUC/CHAT			1989	Kenya
PASBAN 90	PASBAN	INIA66/AG.DI//INIA66/3/GEN			1991	Pakistan
PASINA 90	PA90	KVZ/3/TOB/CTFN//BB/4/BLO/ 5/VEE5/6/BOW/3/YD//BB/CHA	CM75650-C-1M-1Y-3M-3Y-0B-0PAK		1990	Pakistan
PASTOR	PASTOR	PFAU/SERI//BOW	CM85295		1993	CIMMYT
PATO (B)	PATOB	TZPP/SN64//NAR59	II21974-4R-4M-2R-0Y-0P- 0Y-501M-0Y		-	
PATO (R)	PATOR	TZPP/SN64//NAR59	II21974-4R-4M-2R-0Y-0P- 0Y-500M-0Y		-	
PATO ARGENTINO	PATO	TZPP/SN64//NAR59	II21974-4R-4M-2R-0Y-0P-0Y-0ARG		1968	Argentina
PAVAO	PAVAO	BB/CAL	II30877-62M-3Y-1M-2Y-0M-0BRA		1982	Brazil
PAVON	PAVON	VCM//CNO/7C/3/KAL/BB	CM8399		1975	CIMMYT
PAVON 76-BGD	PVN-B	VCM//CNO/7C/3/KAL/BB	CM8399-D-4M-3Y-1M-1Y- 1M-0Y-0BGD	PAVON	1979	Bangladesh

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
PAVON 76-ETH	PVN-E	VCM//CNO/7C/3/KAL/BB	CM8399-D-4M-3Y-1M-1Y-1M-0Y-0ETH	PAVON	1982	Ethiopia
PAVON F 76	PVN	VCM//CNO/7C/3/KAL/BB	CM8399-D-4M-3Y-1M-1Y-1M-0Y-0MEX	PAVON	1976	Mexico
PAVON-PAK	PVN-P	VCM//CNO/7C/3/KAL/BB	CM8399-D-4M-3Y-1M-1Y-1M-0Y-0PAK	PAVON	1978	Pakistan
PBW343	PBW373	ND/VG9144//KAL/BB/3/YACO/4/VEE#5	CM85836-0IND	ATTILA	1995	India
PEACOCK	PEA	VEE/CKR	CM74539		1985	CIMMYT
PEAK	PEAK	TZZP/SN64A	II19021-0USA		1973	USA
PEAK 72	PEAK72	TZZP/SN64A	II19021-1R-0USA		1972	USA
PEEP	PEEP	CNDR/4/RRV/WW15/3/BJ/2*ON/BON	CM36902		1979	CIMMYT
PENJAMO T 62	PJ62	FKN/N10B	II7078-1R-6M-1R-1M-0MEX		1962	Mexico
PEREGRINE	PEG	CEB148/4/CNO/INIA66//LFN/3/TOB//KLPE/RAF	SWM1368		1979	CIMMYT
PERICO	PCO	CAL/4/21931/CH54//2*GB-AUS/3/5667/5/CNO/NO	II34886		1971	CIMMYT
PEWEE	PEW	INIA66/7C//MAYA/3/PCI/TRM	CM31630		1977	CIMMYT
PFAU	PFAU	HORK/YMH//KAL/BB	CM38212		1983	CIMMYT
PHEASANT	PSN	KAL/BB/CJ71/3/HORK	CM32418		1980	CIMMYT
PHOEBE	PHO	CAL/KVZ//TRM	CM30831		1977	CIMMYT
PICHIHUILA	PCI	CNO/GLL//KAL/BB	CM7652		1973	CIMMYT
PICHINCHI	PIN	JUG/EL//TIBA	II21263		1973	Ecuador
PICHON	PCH	CC/INIA66//CNO/CAL	II28071		1973	CIMMYT
PICUS	PICUS	SERI*3//BUC/BJY	CRG70		1992	CIMMYT
PILANCHO		SD648.5/8156/3/CHR/SN64/	CM8963-A-1M-5Y-6M-0Y-0BOL	CHIROCA	1980	Bolivia
IBTA 80	PIL80	KLRE/4/BB/CAL/5/ZBZ				

PILANCHU 80	PIL80	VCM/CNO/7C/3/KAL/BB	CM8399-D-4M-3Y-1M-0M-(1-14Y)-0BOL	PAVON	1980	Bolivia
PIMA 8 77	PIMA	21943/CH53/2*LR/3/8156/4/NAR59	II21515-1P-1P-3P-5M-0Y-0MEX	CHOLI	1977	Mexico
PIONERO INTA	PION	PV18/CNO67//JAR	CM21692-1B-4B-1B-3B-0B-0ARG		1986	Argentina
PIOPIO.1	PIO.1	PI/FUNO*2//VLD/3/CO723595	SW0802012		1996	CIMMYT
PIOPIO.2	PIO.2	PI/FUNO*2//VLD/3/CO723595	SW0802012-(=OR8403309H)		1996	CIMMYT
PIOPIO.3	PIO.3	PI/FUNO*2//VLD/3/CO723595	3870623		1996	CIMMYT
PIOPIO.4	PIO.4	PI/FUNO*2//VLD/3/CO723595	3870624		1996	CIMMYT
PIOPIO.5	PIO.5	PI/FUNO*2//VLD/3/CO723595	3870625		1996	CIMMYT
PIPT	PIP	55.1744/KAL/BB/3/SIS	CM33155		1977	CIMMYT
PIRAI CIAT	PIRAI	KVZ/TRM//PTM/ANA	CM43903-H-2Y-1M-4Y-0M-0BOL	LIRA	1986	Bolivia
PIRAY	PIRAY	BB/CC/RON	CM1708-41M-1Y-1M-6Y-0M-0BOL		-	Bolivia
PIRSABAK 85	PIK	KVZ/BUHO/KAL/BB	CM33027-F-15M-4Y-4M-2Y-1M-1Y-0M-0PAK	VEERY	1985	Pakistan
PIRSABAK 92	PSB92	TTR/JUN	CM59123-3M-1Y-2M-1Y-2M-2Y-0M-0PAK	BAGULA	1992	Pakistan
PTIC 62	PI	YT54/N10B26.1C	II7064-1Y-1H-1R-2M-0MEX		1962	Mexico
PITTA	PITTA	FCH3/SNI/NKT	CM82533		1992	CIMMYT
PTUFA BAER	PTT	PEW/PSN	CM64564-1164-266-87-BT-84-0CHL		1990	Chile
PLANINKA	PLNK	JAR/SN64/RQ66			1977	Croatia
POLLO	PLO	BB/GLL/3/CNO/SN64/BB	II35129		1975	CIMMYT
POPO	POPO	CNO/7C*2//CC/TOB	CM1679		1977	CIMMYT
PORTOLA	PTA	CNO/7C/CNO/PJ62	II25917-13Y-13M-1Y-0M(1-44D)-0USA	JILGUERO	1975	USA
POTAM	POTAM	INIA66/NAPO	II22402-6M-0MAR		1976	Morocco
POTAM 8 70	PTM	INIA66/NAPO	II22402-6M-4Y-1M-1Y-0M-0MEX		1970	Mexico
POTE	POTE	F73.71/TRM//BJY/JUP			1992	Zimbabwe
PRECOZ	PPI	SN64A/KNTT#2	II18893-12P-3B-3P-1B-1T-0ARG		1971	Argentina
PARANA INTA						
PREW	PREW	PRI/PEW	CM59377-3AP-1AP-3AP-2AP-1AP-0AP		1995	CIMMYT/ICARDA
PRINIA	PRINIA	PRI/VEE6/MYNA/VUL	CM90722		1994	CIMMYT

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
PROBRAND 751	PRB751	TOB/NAPO//NO/ERA/3/BB/GLL	CM8327-0USA	EMU	1980	USA
PROBRED	PBR	CNO//SN64/KLRE/3/8156	II23584-0USA	BLUEBIRD	1974	USA
PRODAX	PDA	CAL/RON	II30484-11I-3L-1I-1I-0USA		1972	USA
PROINTA	PIFED	AU//KAL/BB/3/WOP	CM33203-H-8M-8Y-1M-1Y-1M-0Y	BOBWHITE	1989	Argentina
FEDERAL			-1T-1T-0T-0ARG			
PROINTA GUAZU	PIGU	JUP/ZP//COC/3/ALDAN	CM59185-3J-1B-0J-9J-0J-0ARG		1990	Argentina
PROINTA ISLA	PIIV	PL/3/INIA66/CNO//CAL/4/BJY	CM30136-3Y-1Y-0M-100B-	TITMOUSE	1988	Argentina
VERDE			0Y-1J-0J-0ARG			
PROINTA OASIS	PIOS	OASIS/TRM	SWM7094-1Y-1Y-0YA-1J-0J-0ARG		1989	Argentina
PROINTA PIGUE	PIPG	KVZ/5/CAL//CNO/SN64/4/CNO//	SWM2888-0Y-2BV-1BV-		1988	Argentina
		NAD/CHR/3/SN64/KLRE//BB	1BV-1BV-0ARG			
PROINTA	PIQD	KVZ/5/CAL//CNO/SN64/4/CNO//	SWM2888-0Y-2BV-3BV-		1988	Argentina
QUERANDI		NAD/CHR/3/SN64/KLRE//BB	1BV-1BV-0ARG			
PROSPUR	PSR	NAPO//TZPP/SN64A			1975	USA
PROTOR	PRT	TOB/CNO67	II24908-30M-3Y-3M-0Y-0USA		1975	USA
PUNJAB 83	PJB83	ORE F1 158/FDL//MFN/	CM37987-0PAK	TEETER	1983	Pakistan
		2*TIBA63/3/COC				
PUNJAB 85	PJB85	KVZ/TRM//PTM/ANA	CM43903-H-4Y-1M-1Y-	LIRA	1985	Pakistan
			3M-3Y-0B-0PAK			
PUNJAB 88	PJB88	K4500.2/BJY	CM40480-25Y-2M-1Y-		1988	Pakistan
			3M-1Y-0B-0PAK			
PURBALI	PRALI	KVZ/TI//TITO	CM33090-7Y-2M-4Y-0M-0IND	CHAT	1984	India
PV18A	PV18	PJ62/GB55	II8156-0PV-0IND	II8156	1965	India
QUELELE	QL	WTE/NAR59//TZPP/3*WTE			1973	Ecuador
QUETZAL 75	QZ75	BJ66/NAR59	II21872-1X-1X-3X-0X-0GTM		1975	Guatemala
QUIMORI 79	QMR	CNO//SN64/KLRE/3/8156	II23584-0BOL	BLUEBIRD	1979	Bolivia
RABE	RABE	GOV/AZ//MUS/3/R37/	CM79516		1988	CIMMYT
		GHL121//KAL/BB/4/ANI				
RAJ 1482	RJ1482	CRT//KAL/BB	CM7806-0RAJ-0IND		1982	India

RAJAE RANDA RAWAL 87	RAJAE RANDA RWL87	MOR/MON TOB/SN64//ANZA MAYA/MON/KVZ/TRM	CM44083-N-2Y-2M-1Y-1M- 1Y-2M-OY-OPAK		1993 1987 1987	Morocco Italy Pakistan
RAYON F 89 RED RIVER 68 REDPOLL REDWING RHEA RIGO	RAYON RRV RPO RDWG RHEA RIGO	URES*2/PRL TZZP/SN64A TLI/YR/3/BB/RON//MAYA AGA/5*TI/2*GEN PRL/PVN SR/BON/4/36896/2*CJ54// YT54A/3/CC/8156/CNO	CM90315-A-2B-2Y-1B-0Y-OMEX II19021-0USA CM31068 CMH83.2537 TE82.009 CM8510-H-7M-1Y-2M-3Y-0M	BAJIO 67	1989 1968 1977 1992 1991 1974	Mexico USA CIMMYT CIMMYT CIMMYT CIMMYT
RIO GRANDE ROBIN-M ROEK ROHINI ROHTAS 90 ROLLER ROMANY ROMI ROMY 92 ROOMY	RIOG RON ROEK ROHINI ROHTAS ROLLER ROM ROMI ROMY ROOMY	BB/CC/RON JAR*2/ZA76 CNO/MFD/MON/3/GOV/AZ//MUS BON/CNO/SN64/3/KAL/BB INIA66/AG.DI//INIA66/3/GEN FFN/VEE#5 CLT262.51/YT54A Y50E/8156//KAL/3/TOB/CNO AU/ROM PVN/CLI	CM1708-41M-1Y-2M-3Y-0M-0BOL II26787 CM72602 CM8192-C-1M-1Y-1M-OY-IND W.8461-R-OPAK CM88930 II8582-9M-1R-2M-1R-0KEN SWM1706-1B-1Y-OPTZ-0MDG CM52139-2AP-2AP- 1AP-4AP-1AP-0AP II18883-6M-6R-11C-1Y-OMEX CM33027-F-3M-1Y-OM-OZWE	TIA	- 1971 1988 1983 1991 1991 1966 - 1992 1994	Bolivia CIMMYT CIMMYT India Pakistan CIMMYT Kenya Spain Madagascar Lebanon
ROQUE F 73 RUSAPE RUYA SABI SABUF SAETA INIA SAFED LERMA SAGUAYO 79	RQ RPE RUYA SABI SABUF SAET SL SGY	SN64A/6*SKE/3*ANE KVZ/BUHQ/KAL/BB CELAYA/KEA FKN/N10B SHA3/BUQ/FLK PSN/BOW Y5Q/N10B/L52/3/2*LR/4/Y50 BB/TOB/4/CNO/NQ/3/C273// NP875/E853.5.8	II7078-0ZAF CM95073 CM69560-M-2Y-1M-1Y-1M-OY-0CHL II15444-118Y-2C-0IND CM2699-59M-1Y-1M-2Y-0M-0BOL	VEERY 10	1973 1982 1993 1967 1994 1989 1967 1979	INIFAP Zimbabwe Zimbabwe South Africa CIMMYT Chile India Bolivia
SAIRA INTA SAIS	SAIR SAIS	CNO/JAR TOB/NAPO/CC/INIA66/3/CHA	II24520-3J-2B-2J-3B-0J-0ARG CM5541-0MAR	BLUETTT	1979 1985	Argentina Morocco

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
SAJAME	SJM	FURY//CNO/NO	CM4210		1977	CIMMYT
SAKA	SAKA	8156(B)/NAD//BB/4/SN64/ KLRE/3/CNO/CHR//BB	CM5826		1973	CIMMYT
SAKARYA 75	SKY	CNO/PJ//CNO/7C	II26265-22Y-500M-301Y-2M- 501Y-500M-0Y-0TUR	CHANATE#1	1975	Turkey
SAKHA 3	SKH3	INIA66/NAPO	II22402-0EGY		1976	Egypt
SAKHA 61	SKH61	INIA/RL4220/7C/3/YR	CM15430-2S-5S-0S-0S-61S-0EGY		1980	Egypt
SAKHA 69	SKH69	INIA/RL4220/7C/3/YR	CM15430-2S-5S-0S-0S-69S-0EGY		1980	Egypt
SAKHA 8	SKH8	CNO//SN64/KLRE/3/8156	II23584-0EGY	BLUEBIRD	1976	Egypt
SALAMANCA 75	SLM	CNO/PJ62//CNO/7C	II26265-22Y-300M-301Y-2M- 501Y-500M-0Y-0MEX	CHANATE#2	1975	Mexico
SALAMBO 80	SLMB	PATOB//CC/INIA66	CM1021-14BJ-4BJ-0TUN		1980	Tunisia
SALOHY 92	SLH	4777*2//FKN/GB/3/PVN/4/ SARA/5/BUC/BUL	CM91970-J-0Y-0M-0Y-3M-0Y-0MDG		1992	Madagascar
SALWA 1	SALWA1	WA4767/3/391//56D.81.14.53/ 1015.6410/4/W22/5/ANA	SWM6525-1AP-0AP-1KE-0AP		1985	CIMMYT/ ICARDA
SALWA 2	SALWA2	WA4767/3/391//56D.81.14.53/ 1015.6410/4/W22/5/ANA	SWM6525-1AP-0AP-2KE-0AP		1985	CIMMYT/ ICARDA
SAMOENG 1	SMG1	LR64/SN64	II19008-83M-100Y-100M- 100Y-100C-0THA		1983	Thailand
SAMOENG 2	SMG2	YT54/N10B//2*Y54	II8469-2Y-6C-4C-2Y-1C-0THA		1983	Thailand
SAMWHIT 3	SAMW3	YT54/N10B//2*Y54	II8469-2Y-6C-4C-2Y-1C-0NER		1971	Nigeria
SAMWHIT 4	SAMW4	LEE/N10B/GB55/GB66			1971	Nigeria
SAMWHIT 5	SAMW5	PJ62/GB55	II8156-0NER	II8156	1975	Nigeria
SAMWHIT 6	SAMW6	VCM//CNO/7C/3/KAL/BB	CM8399-0NER	PAVON	1990	Nigeria
SAMWHIT 7	SAMW7	PI/FD/3/PI/MZ//MXP	PK2858	BULBUL	1990	Nigeria
SAMWHIT 8	SAMW8	II53.388/AN//YT54/N10B/3/LR/ 4/B4946.A.4.18.2.IY/Y53/3*Y50	II18427-0NER	SONALIKA	1990	Nigeria

SAN AGUSTIN INTA	SAUI	CNO/JAR/TZPP/SN64	II2617-9B-5B-0B-0ARG		1979	Argentina
SANDAL 73 SANGAM	SAN SAN	CNO//SN64/KLRE/3/8156 GLL/AUST II61.157// CNO/NO/3/VEE	II23584-17Y-1A-0A-0PAK CM62000	BLUEBIRD	1973 -	Pakistan India
SANNINE	SNIN	KT54E/KT54B/NAR59/ DRC/3/8156(B)/PJ62	II23561-E-0LBY	GOLDFINCH	1976	Libya
SANYATI	SANY	RON#2/SR			1981	Zimbabwe
SAPSUCKER	SAP	INIA66/SOTY//CZHO	BR69		1975	CIMMYT
SARHAD 82	SRHD	AU//KAL/BB/3/WOP	CM33203-K-9M-24Y-0M-0PAK	BOBWHITE	1982	Pakistan
SARHAD 83	SRHD83	BGS/SORT//KAL/BB	SWM3115-2M-2Y-1M-1Y-1M- 1Y-0M-0PAK		1983	Pakistan
SARIAB-92	SAR92	BB/GLL//CARP/3/PVN	CM33483-C-7M-1Y-0M-0PAK	JUNCO	1993	Pakistan
SARIC F 70	SR	CNO//SN64/KLRE/3/8156	II23584-26Y-2M-2Y-0M-0MEX	BLUEBIRD 3	1970	Mexico
SARSABZ	SARS	BY/MAYA/4/BB/HD832.5.5/ ON/3/CNO67/PJ62	CM31678-0PAK	BUCKBUCK	1985	Pakistan
SASARAIB	SASA	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y- 0M-87B-0Y-0SDN	VEERY 5	1992	Sudan
SASIA	SASIA	DWL5023/SNB//SNB	CM84986		1992	CIMMYT
SATURNO	STRO	KLRE//INIA66/BB/3/NAI60E/ 4/INIA66/BB//PVN	TR771276-15R-3R-0R		-	INIFAP
SAUCE INIA	SAU	SIS/PVN	CM30697-2Y-1M-7Y-3M-1Y-0M- 0CHL	TANAGER	1984	Chile
SAWARI	SAWARI	F6.74/CROW	SWM11133-9AP-4AP-1AP-0AP		1985	CIMMYT/ ICARDA
SCAN	SCAN	VEE//BUC/PVN			1994	Zimbabwe
SCW101	SCW101	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M- 76B-0Y-0ZWE	VEERY 5	1990	Zimbabwe
SELIAN 87	SEL87	BON/YR/3/F35.7Q//KAL/BB	CM41860-A-5M-2Y-2M- 1Y-0M-0TZA	FINK	1987	Tanzania
SEMAYO	SEMAYO	BB/CC//RON	CM4698-18Y-1M-2Y-0M-0BOL		-	Bolivia
SENGAR	SENGAR	II58.57/4/MAYA/CGN/3/ CC/INIA/CAL	CM40742-27-1Y-2M-3Y-1Y-0B-0AP		1984	CIMMYT/ ICARDA

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
SERI 82-BGD	SERI-B	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-OM-87B-OY-0BGD	VEERY 5	1987	Bangladesh
SERI 82-LBN	SERI-L	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-OM-87B-OY-0LBN	VEERY 5	1987	Lebanon
SERI 82-TUR	SERI-T	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-OM-87B-OY-0TUR	VEERY 5	1987	Turkey
SERI M 82	SERI	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-OM-87B-OY-0MEX	VEERY 5	1982	Mexico
SERIAMA	SRMA	ALD/MN72130//GEN	CM84228		1991	CIMMYT
SERIC	SERIC	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-OM-0ZMB	VEERY 5	1983	Zambia
SERRA	SERRA	YRR/MFN	CM16076-1D-1D-2D-3D-0D-0USA		1988	USA
SETIF 76	STF	YT54A/N10B/3*LR64			1976	Algeria
SEYHAN95	SEY95	JUP/BJY//URES	CM67458-4Y-11M-3Y-1M-5Y-0B-0TUR	KAUZ	1995	Turkey
SHERA	SHERA	LR64/SN64	II19008-0IND		1974	India
SHRIKE	SHR	GLI/TRM//PVN	CM33489		1977	CIMMYT
SIBIA	SIBIA	CNO67/MFD//MON/3/SERI	CM81355		1992	CIMMYT
SIDI MISRI 1	SMR	PJ/GB55	II8156-0LBY	II8156	-	Libya
SIDI OKBA	SOKBA	FLK/HORK	CM39816-1S-1AP-0AP-0SBA-0DZA	CHAM4	1991	Algeria
SIETE CERROS T 66	7C	PJ62/GB55	II8156-1M-2R-4M-0MEX	II8156	1966	Mexico
SIETE CERROS-DZA	7CDZA	PJ62/GB55	II8156-0DZA	II8156	1971	Algeria
SIND 83	SIND83	TZPP/PL/7C	CM5287-J-1Y-2M-2Y-3M-OY-0PAK	BLUEJAY	1981	Pakistan
SIPA INIA	SIPA	SIS/PVN	CM30697-2M-14Y-0M-0CHL	TANAGER	1982	Chile
SIREN	SIREN	R37/GHL121//KAL/BB/3/KLT	CM64609		1988	CIMMYT
SISKIN	SIS	BB/CNO/3/NAD/CHR/SR	CM5566		1976	CIMMYT
SITELLA	SITE	BOW/BUC	CM74005		1991	CIMMYT
SITTA	SITTA	MNV/VEE#5	CM77091		1991	CIMMYT

SITTICH	SIH	YACQ/JUN	CM68459		1986	CIMMYT
SNA 1	SNA1	LR/N10B/3*ANE	II8739-0CHL		1974	Chile
SNA 101	SNA101	BY/MAYA/4/BB/HD832.5.5/ ON/3/CNO67/PJ62	CM31678-R-4Y-2M-500Y-506M- 501Y-501M-502Y-0M-0CHL	BUCKBUCK	1986	Chile
SNA 102	SNA102	BUC/BJY	CM49641-9Y-1M-1Y-5Y-0M-0CHL		1986	Chile
SNA 12- GRANEROS	SNA12	WE-M/CNO/NO/3/ZBZ	CM8954-B-7M-1Y-1M- 1Y-0M-0G-0CHL		1983	Chile
SNA 2	SNA2	PJ/2*Y54	II8501-0CHL	NADADORES	1974	Chile
SNA 203	SNA203	BY/MAYA/4/BB/HD832.5.5/ ON/3/CNO67/PJ62	CM31678-R-4Y-2M-15Y- 0M-59B-0Y-0CHL	BUCKBUCK	1986	Chile
SNA 204	SNA204	KVZ/BUHQ/KAL/BB	CM33027-F-1M-11Y-0M-CHL	VEERY	1986	Chile
SNA 205	SNA205	KVZ/BUHQ/KAL/BB	CM33027-F-12M-1Y-12M- 1Y-2M-0Y-0CHL	VEERY 9	1987	Chile
SNA 206	SNA206	KVZ/BUHQ/KAL/BB	CM33027-F-15M-500 Y- 0M-1263-0Y-0CHL	VEERY 5	1987	Chile
SNA 210	SNA210	KVZ/BUHQ/KAL/BB	CM33027-F-15M-500Y-0M- 126B-0Y-0CHL	VEERY 5	1987	Chile
SNA 24- PORVENIR	SNA24	TOB/NAPO/NO/ERA/3/BB/GLL	CM8327-C-9M-1Y-0M-0G-0CHL	EMU	1983	Chile
SOLSORT	SLS	CGN/3/PATOB/BB/CNO	CM10712		1977	CIMMYT
SOLTANE	SOL	SN64/KLRE	II19975-68Y-1Y-6Y-1J-3Y-0TUN		1972	Tunisia
SONALIKA	SKA	II53.388/AN/YT54/N10B/3/LR/ 4/B4946.A.4.18.2.IY/Y53/3*Y50	II18427-4R-1M-0IND		1967	India
SONKA INIA	SKI	SN64/KLRE/BB	II26502-8Y-6M-2Y-0M-0CHL		1979	Chile
SONOITA F 81	SNI	TRM/KAL/BB	CM37130-15Y-1M-3Y-0M-0MEX	MOR	1981	Mexico
SONORA 63	SN63	YT54/N10B/2*Y54	II8469-2Y-2C-1C-1C-0BRA		1975	Brazil
SONORA 63	SN63	YT54/N10B/2*Y54	II8469-2Y-2C-1C-1C-0MEX		1963	Mexico
SONORA 64	SN64	YT54/N10B/2*Y54	II8469-2Y-6C-6Y-4C-2Y-1C-0MEX		1964	Mexico
SONORA 64A	SN64A	YT54/N10B/2*Y54	II8469-2Y-6C-6Y-4C-1Y-1C-0MEX		1964	Mexico
SORRAIA	SORR	BJ67/CAL/TOB/8156(R)/3/ 7C/BB/CNO	CM5813-B-1Y-500M-500T-0M-0PRT		1990	Portugal
SOTY	SOTY	SON64A/TZFP/Y54	II18888		1966	CIMMYT

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
SPARROW	SPRW	FN/MIDA/K117A/3/2*COFN/ 4/SN64/KLRE/3/CNO// LR64*2/SN64	CM2182		1974	CIMMYT
SPECHT	SPET	MON//SIS/CAN	CM62142		1986	CIMMYT
SPIN GHAR-94	SPGH94	SERI*3//BUC/BJY	GRG70-G-7Y-5B-0AFG		1994	Afghanistan
SPINEBILL	SPB	TAN/3//TI//TOB//ALD	CM64340		1985	CIMMYT
SPINETAIL	SPT	CQT/AZ//IAS55/ALD/3/ALD/ NAFN/4/PJN/PEL SL 1276.69	CM58478		1983	CIMMYT
SST 16	SST16	INIA66/CAL			-	South Africa
SST 2	SST2	CAL//TOB			1976	South Africa
SST 3	SST3	INIA66/CAL			-	South Africa
SST 6	SST6	BB//INIA66//CAL			-	South Africa
STA ANA 90	STA90	-			1990	Guatemala
STAR	STAR	LFN//SDY//PVN	SWM7215		1985	CIMMYT
SULTAN 94	SUL94	AGRI/NAC	SWM6599-2H-1H-3P-0P- 5M-3WM-0WM		1995	Turkey
SUNBIRD	SNB	GLL/CUC//KVZ/SX	CM34630		1979	CIMMYT
SUPER X	SX	PJ/GB55	II8156-1M-2R-4M-0(R)-OMEX	II8156	1966	Mexico
SUPERKAUZ	SKAUZ	JUP/BJY//URES	CM67458-4Y-1M-3Y-1M-3Y-0B	KAUZ	-	CIMMYT
SUPERKAUZ DMS	SKZDMS	CHRDMS/9*SKAUZ	CRG2105		1993	CIMMYT
SURGENTES INTA	SGE	SN64/TZPP//NAI60			1975	Argentina
SURUTU	SURUTU	CC/CNO//NP876/PJ62/4/SN64*2// TZPP/Y54/3/AN64A	CM1720-67M-1Y-4M-1Y-0M-0BOL		-	Bolivia
SUTLEJ 86	SUTLEJ	CMT/YR//MON	CM43405-A-2Y-1M-5Y- 5M-1Y-0B-0PAK		1986	Pakistan
SWATI	SWATI	CRT//KAL/BB			1983	India
SWIFT	SWF	PJ62/FURY//WOP	CM33232		1977	CIMMYT

SYRIMEX T4 TAHIRY 92	SRX T4 THR	YT54A/N10B/3*LR64 LR/N10B/3*ANE MON/ALD	II8739-4R-1M-1R-0ZAF CM64239-1Y-1M-1Y-0M- 0HL-0FS-0MDG CM67428-0IRN		1969 1975 1992	Syria South Africa Madagascar
TAJAN TALA TALLO ERECTO GRUESO TAMEGA	TAJAN TALA TEG TAMEGA	BOW/NKT SN64/KLRE//MAS5 CMH74A.63Q/SX//2*CNO79/ 3/CMH74A.63Q/SX//TSI KVZ/BUHO//KAL/BB	CMH84.3607 CM33027-F-15M-500Y-0M- 90B-0Y-0PRT		1995 1974 1988	Iran Argentina CIMMYT
TAMIRA TANAGER TANDOJAM 83 TANIT 80 TANORI F 71 TANORI RESELECTION TANZANIA KORORO TARATA 80	TMRA TAN TJ83 TNT TI TI-R TANK TART	GLL/YR RESEL(B)/3/AU//KAL/BB SIS/PVN TZPP/PL//7C TZPP/PL//7C SN64/CNOREC//INIA66 SN64/CNOREC//INIA66 Y50E*5/8156(R)//KAL SD648.5/8156/3/CHR/SN64/ KLRE/4/BB/CAL/5/ZBZ TUC/MON/VEE KVZ/BUHO//KAL/BB	CM34603-0RWA CM30697 CM5287-J-1Y-2M-2Y-3M-0Y-0PAK CM5287-J-1Y-2M-2Y-3M-0Y-0TUN II25717-4Y-3M-1Y-0M-0MEX II25717-4Y-3M-1Y-0M-0 II28895-0TZA CM8963-A-1M-1Y-1M-3Y-0M-0BOL	CHOVA BLUEJAY BLUEJAY	1985 1977 1983 1980 1971 1973	Rwanda CIMMYT Pakistan Tunisia Mexico CIMMYT
TAUBE TAUSI	TAU TAU		CM62001 CM33027-F-15M-500Y- 0M-7B-0Y-0TZA	VEERY 5	1986 1987	CIMMYT Tanzania
TAWA 267 TECOLOTE TECPAN TEETER	TAWA TL TCN TTR	BB/7C E487Q/C303/M5392/666.5 MAYA/3/KAL/BB/7C/NAD ORE F1 158/FDL//MFN/ 2*TIBA63/3/COC	CM37987		1979 1973 -	India India Guatemala CIMMYT
TEJO TEMPORALERA M 87	TEJO TEMP	21931/3/CH53/AN/GB56/4/AN64 TIBA 63E//INIA66*2/KR/3/TOB/ CNO67//OLN/4/KLRE.E/ 3/INIA66/BB/NAI60E	II21025-5H-2H-11H-0PRT II47002-7R-101C-0R-0MEX		1984 1987	Portugal INIFAP
TEPOCA M 89	TEPOCA	BUC/4/TZPP//IRN46/CNO67/3/PRT	CM56744-7Y-2Y-1M-1Y-0M-0MEX	FALKE	1989	Mexico

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
TESIA F 79	TSI	PL/3/INIA66/CNO//CAL/4/BJY	CM30136-3Y-1Y-0M-0MEX	TITMOUSE	1979	Mexico
TESOPACO 76	TES	INIA66/SOTY//CZHO	BR69-1Y-3M-3Y-0M-0MEX	SAPSUCKER	1976	Mexico
TESSALAH 75	TSL	YT54/N10B26.1C	II7064-0DZA		1975	Algeria
TEVEE 1	TEV1	TSI/VEE#5	CM64335-3AP-3AP-1AP-2AP-0AP		1989	CIMMYT/ ICARDA
TEVEE 2	TEV2	TSI/VEE#5	CM64335-3AP-3AP-1AP-0AP		1989	CIMMYT/ ICARDA
THORNBIRD	THB	IAS63/ALD//GTO/LV	F11915		1983	Brazil
THORNBIRD DMS	THBDMS	CHRDMS/9*THB	CRG2094		1993	CIMMYT
THRUSH	TSH	BJY/GJO/4/MAI/3/BB//TOB/CNO	CM34742		1979	CIMMYT
TIA 1	TIA1	INIA66/AG.DI//INIA66/3/GEN	CIGM81B1-51B	TIA	1992	CIMMYT
TIA 2	TIA2	INIA66/AG.DI//INIA66/3/GEN	CIGM81B1-62B	TIA	1992	CIMMYT
TIA 3	TIA3	INIA66/AG.DI//INIA66/3/GEN	CIGM81B1-69B	TIA	1992	CIMMYT
TIA 4	TIA4	INIA66/AG.DI//INIA66/3/GEN	CIGM81B1-96B	TIA	1992	CIMMYT
TILILA	TILILA	KVZ/BUHO//KAL/BB	CM33027-0MAR	VEERY	1990	Morocco
TINAMOU	TNMU	IAS58/4/KAL/BB//CJ71/3/ ALD/5/BOW	CM81812		1991	CIMMYT
TIRITEA	TIR	TZPP//TZPP/3*ANE	II19025-6M-4Y-4M-101T-101C-0NZL		1981	New Zealand
TITICACA	TTCA	KVZ/TI//TITO	CM33090-T-1M-3Y-OM -54B-OY- OPER	CHAT	1985	Peru
TITMOUSE	TTM	PL/3/INIA66/CNO//CAL/4/BJY	CM30136		1977	CIMMYT
TITO	TITO	CHR/VCM//KAL/BB	CM8212-D-4M-0Y-0M-4M- 5Y-4M-10Y		1974	CIMMYT
TOBARI F 66	TOB	TZZP/SN64A	II19021-4M-3Y-102M-100Y- 101C-0MEX		1966	Mexico
TODY	TODY	VEE/BOW	CM67394		1991	CIMMYT
TOLUCA 73	TOL73	INIA66/NAPO//CNO	II28036-111M-1R-2M-1T-0M-0MEX		1973	Mexico

TOMAS CATEDRAL	TCAT	SN64/FN/HORK			1984	Argentina
TOMAS TRONADOR	TTRO	HUAC/AZ/BNQ/FLK	CM60607-2Y-1M-1Y-0Y-0ARG		1989	Argentina
TOMAS TUPUNGATO	TTUP	MD*2//MD/MCM/3/EX/4/NAC	SWM10112-6013-1-1-1-0ARG		1989	Argentina
TONICHI S 81	TONI	CAR422/ANA	SWM4610-2Y-20M-1Y-0M-MEX		1981	Mexico
TONICHI S 81 DMS	TONDMS	CHRDMS/9*CAR422/ANA	CRG2098		1993	CIMMYT
TORDO	TOR	NAI60/TT/SN64/3/LR64/SN64	H244.67-1Y-6B		1971	CIMMYT
TORIM F 73	TRM	BB/INIA66	II26591-1T-7M-0Y-55Y-0M-0MEX		1973	Mexico
TOTORA IBTA 80	TOT	VCM//CNO/7C/3/KAL/BB	CM8399-D-4M-3Y-1M-1Y-1M-0Y-0BOL	PAVON	1980	Bolivia
TOWHEE	TOW	CLI//RQ/SOTY/3/SIS/PVN	CM34709		1977	CIMMYT
TOWPE	TOWPE	TOW/PEW	CM59443-4AP-1AP-4AP-1AP-0AP		1994	CIMMYT/ICARDA
TRACHA 1	TRAC1	TR380-16/3AG14/CHAT	CM64868-1AP-1AP-3AP-1AP-3AP-0AP		1994	CIMMYT/ICARDA
TRACHA 2	TRAC2	TR380-16/3AG14/CHAT	CM64868-1AP-1AP-3AP-0AP		1994	CIMMYT/ICARDA
TRAP	TRAP	JUP/4/7C/PATOB/3/LR64/INIA66//INIA66/BB/5/ANA	CM37760		1984	CIMMYT
TRAP 1	TRAP1	JUP/4/7C/PATOB/3/LR64/INIA66//INIA66/BB/5/ANA	CM37760-C-21Y-2M-1Y-3M-0Y	TRAP	1984	CIMMYT
TRIFON	TRF	YT48//K58/N/3/FR/KAD//GB/4/COU	F4-5Y-0M-2Y		1974	CIMMYT
TRIGAL 700	T700	CNO/JAR			1976	Argentina
TRIGAL 705	T705	TOB/CHR			1976	Argentina
TRIGAL 706	T706	JAR/FSA/SN64/3/TOB			1982	Argentina
TRIGAL 707	T707	JAR/NAPO/3/LR64/TZPP/ANE/4/CNO/5/TOB			1980	Argentina
TRIGAL 708	T708	JAR/FSA/SN64/3/TOB			1980	Argentina
TRISA INIA	TRI	CNO/INIA66/BB	II28339-17Y-4M-2Y-0M-0CHL		1980	Chile
TUA	TUA	BB/CNO//INIA66/SOTY/3/SPRW/4/PVN	CM37705-K-2Y-7M-3Y-1M-0Y-0PRT	MINIVET	1989	Portugal

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
TUC NORTENO	TUCNOR	CAL/BB/6/KAL//KLPE/RAF/ 3/PJ62/4/CNO/5/NP876/BB			1983	Argentina
TUCAN	TUC	BB/TOB/4/CNO/NO/3/C273// NP875/E853.5.8	CM2699		1974	CIMMYT
TUCUMAN	TUCM	CAL/BB/6/KAL//KLPE/RAF/3/ PJ62/4/CNO/5/NP876/BB			1982	Argentina
TUI	TUI	HER/SAP//VEE	CM74849		1985	CIMMYT
TURACO	TURACO	CNO79*2/PRL	CM90312		1991	CIMMYT
TURACO DMS	TRCDMS	CHRDMS/2*PVN//7*TURACO	CRG2099		1993	CIMMYT
TURPIN 7	TPN7	MY54/N10B/2*P4160	II8715-7Y-1C-0ZAF		-	South Africa
TURPIN 9	TPN9	Y50/N10B//L52/3/2*LR	II8724-0ZAF		1965	South Africa
TUTULI	TLI	MD//N/K117A/3/2*FR/KAD//GB	II19154-1E-1E-1E-1E		1973	Ecuador
TYRANT	TRT	DGA/BJY	CM40610		1983	CIMMYT
UHU	UHU	TP//CNO67/NO/3/BB/CNO67/ 4/ZA75/5/TTM	CM59914		1986	CIMMYT
ULUCAK 75	ULC	CNO/GLL	II27829-19Y-3M-5Y-0M-0TUR		1975	Turkey
UP 2003	UP2003	BB/2*7C			1980	India
UP 262	UP262	S308/BJ66			1978	Nepal
UP 301	UP301	LR64/SN64	II19008-0UP-0IND		1968	India
UP 310	UP310	KLPE/RAF//LR64/2*SN64			1973	India
UP 319	UP309	CNO//SN64/KLRE/3/8156	II23584-0UP-0IND	BLUEBIRD	1973	India
URES T 81	URES	KVZ/BUHO//KAL/BB	CM33027-F-12M-1Y-4M-2Y- 2M-0Y-0MEX	VEERY 2	1981	Mexico
UTIQUE	UT	TZPP/SN64/3/LR64A//TZPP/3*ANE	II22429-16M-1Y-4M-0Y-0TUN		1971	Tunisia
UW 0003	UW0003	VS73.60Q/MRL/3/BOW/YR/TRF	CM75113-B-5M-1Y-05M-2Y- 3B-0Y-0UGA	MILAN	1991	Uganda
UW 0011	UW0011	2109.36/VEE/4/WRM//KAL/BB/ 3/KAL/BB//ALD	CM66120-D-1M-1Y-1M-1Y- 1M-0Y-0UGA	MATUPARI	1991	Uganda

UW 0027	UW0027	ULC/PVN/VEE	CM67768-RW5-RW5-RW5-RW5- RW4-RW0-0UGA	1991	Uganda
UW 007	UW007	KEA/GHK	CM76226-1Y-01M-02Y-2B-3Y- 0B-0UGA	1991	Uganda
VAGA 72	VAGA	CNO/SN64/KLRE/3/8156	II23584-26Y-2M-3Y-2M-0Y-0TUN	1972	Tunisia
VALDIVIA	VLD	TP//CNO/INIA66/3/SR/4/HORK	CM30109	1977	CIMMYT
VANERN	VAN	NO/BB/3/CNO//NAD/CHR/4/7C	CM5375	1977	CIMMYT
VANERN-SAU	VAN-S	NO/BB/3/CNO//NAD/CHR/4/7C	CM5375-0SAU	1983	Saudi Arabia
VASKAR	VKR	TZPP/PL//7C	CM5287-J-1Y-2M-2Y-3M-0Y-0NPL	1984	Nepal
VEBOW	VEBOW	VEE/BOW	CM67394-04AP-300AP-1AP- 2AP-300L-0AP	1994	CIMMYT/ ICARDA
VEERY	VEE	KVZ/BUHO//KAL/BB	CM33027	1977	CIMMYT
VEHYK		VEE5/3/HORK/YMH//KAL/BB	CM78045-04AP-300AP- 3AP-300L-0AP	1994	CIMMYT/ ICARDA
VENAC 1		URES/NAC	CM67575-7AP-1AP-3AP-0AP	1994	CIMMYT/ ICARDA
VENAC 2		URES/NAC	CM67575-7AP-3AP-1AP-1AP-0AP	1994	CIMMYT/ ICARDA
VERANO S 91	VER87		TC820007-07C-05R-08C-7R- 0C-0MEX	1991	INIFAP
VICAM S 71	VCM	INIA66/NAPO	II22398-39M-1R-0Y-101M-0Y-0MEX	1971	Mexico
VICTORIA	VTR	VCM//CNO/7C/3/KAL/BB	CM8399-D-4M-3Y-0M-0CHL	1981	Chile
VICTORIA M 81	VCT	YR RESEL(BYTRF//RSK/TRM	CM36064-A-1M-5Y-0M-0MEX	1981	Mexico
VIREO	VRE	INIA66/ON//INIA66/BB/3/COC	CM28235	1977	CIMMYT
VIRI	VIRI	KVZ/BUHO//KAL/BB	CM33027-F-15M-500Y-0M-0TZA	1983	Tanzania
VL GEHUN 401	VLG401	FKN/N10B	II7078-0IND	1973	India
VL GEHUN 421	VLG421	SN64/Y50E/GTO	II19792-0IND	1979	India
VONY 92	VONY	KITE/GLEN	CM-3Y-0H-0Y-5M-0Y-0MDG	1992	Madagascar
VORONA	VORONA	F12.71/COC	SWM5784	1993	CIMMYT
VOGA	VOGA	NAPO/CAL//ZBZ	CM8935-D-5M-3Y-3M-2Y-0M-0PRT	1982	Portugal
VULTURE	VUL	YR RESEL(BYTRF//RSK/TRM	CM36064	1977	CIMMYT
W2005	W2005	BB/GLL//CJ71/3/F35.70//KAL/BB	CM34555-0TZA	1992	Tanzania
WARBLER	WRB	MAYA/3/KAL/BB/7C/NAD/4/HORK	CM39814	1979	CIMMYT

Table 1. (continued)

Name	Abb	Pedigree	Selection History	Synonym	Year	Country
WARI-INIAA	WARI	BON/YR/3/F35.70//KAL/BB	CM41860-A-5M-2Y-2M-1Y-OM-OPER	FINK	1991	Peru
WARWAR	WAR	MYNA/SAP	CM59008-6AP-1AP-4AP-1AP-3AP-0AP		1984	CIMMYT/ ICARDA
WEAVER	WEAVER	HAHN*2/PRL	CM90320		1991	CIMMYT
WH 542	WH542	JUP/BJY//URES	CM67458	KAUZ	1994	India
WHEATON DMS	WHTDMS	CHRDMS/9*WHEATON	CRG2107		1993	CIMMYT
WILGOYNE	WILG	CNO/GLL	II27829-0AUS		1988	Australia
WL 2265	WL2265	CRT//KAL/BB	CM7806-0WL-OIND		1985	India
WOODPECKER	WOP	INIA66/NAPO//2*CAL/3/PV18/ CNO67	CM15856		1975	CIMMYT
WORLD SEEDS 1651	WS1651	PI/CHR//SN64	II19957-1969-0USA	CIANO	1969	USA
WREN-MEX	WE-M	Y50E*5/8156(R)//KAL	II28895		1971	CIMMYT
WW 15	WW15	LR/N10B//3*ANE	II8739-4R-1M-1R-AUS		1969	Australia
XELAJU 91	XJ91	PF72640/PF7326/PF7065/ ALD/3/VEE	CM81131-26Y-03M-07M-3M-1Y-0M-0GTM		1991	Guatemala
XEQUIJEL 88	XEQ88	HER/HORK/4/RON/CHA// BB/NOR/3/BCH	CM57893-A-1Y-1Y-1M-1Y-1M-1Y-0Y-0GTM		1988	Guatemala
YACO	YACO	HIM/COC//NAC	CM41195		1981	CIMMYT
YAFEN	YFN	FKN/Y50	II8392-3R-1M-1R-0CHL		1965	Chile
YAPACANI	YAPA	LR*2/SN64//CC/3/SKA	II34093-6Y-0M-0BOL		-	Bolivia
YDING	YD	CNO/PJ62//GLL	II30793		1977	CIMMYT
YECORA 70		CNO//SN64/KLRE/3/8156	II23584-26Y-2M-1Y-0M-0PAK	BLUEBIRD	1975	Pakistan
YECORA F 70	YR	CNO//SN64/KLRE/3/8156	II23584-26Y-2M-1Y-0M-0MEX	BLUEBIRD 2	1970	Mexico
YECORA RESEL (B)	YR-RB	CNO//SN64/KLRE/3/8156	II23584-26Y-2M-1Y-0M-89Y-0MEX	BLUEBIRD 2	1971	CIMMYT
YECORA ROJO	YRR	CNO//SN64/KLRE/3/8156	II23584-26Y-2M-1Y-0M-302M-0USA	BLUEBIRD 2	1975	USA

YECORATO 77	YRT	INIA66/CNO//CAL/3/YR RESEL (B)	II40041-9M-2R-6M-4S-0M-0MEX		1977	Mexico
YEZIN WHEAT 1	YEZIN1	BB/NOR	II27100-307M-100A-0A-0BUR		1980	Myanmar
YEZIN WHEAT 2	YEZIN2	NAI60/CB151//S948/3/MXP			1980	Myanmar
YEZIN WHEAT 3	YEZIN3	INIA/3/SN64/P4160E//SN64			1980	Myanmar
YEZIN WHEAT 5	YEZIN5	SONALIKA	II18427-0BUR	SONALIKA	1980	Myanmar
YEZIN WHEAT 6	YEZIN6	KVZ/BUHO//KAL/BB	CM33027-0BUR	VEERY	1986	Myanmar
YEZIN WHEAT 7	YEZIN7	S308/BJ66			1986	Myanmar
YOBILLO INIA	YOBILLO	ND/VG9144//KAL/BB/3/YACO	CM62661-D-1M-1Y-3M-2Y-0M-0CHL		1993	Chile
YUKON(F)=	YKN	TP//CNO/INIA66/3/SR/4/HORK	CM30109	VALDIVIA	1977	CIMMYT
VALDIVIA						
YUN ZHI 437	YUN437	KVZ/BUHO//KAL/BB	CM33027-I-2M-1Y-1M-1Y-3M-0Y-0CHN	VEERY 6	1987	China
ZA 77	ZA77	NOR/7C	II30367-1M-1Y-3M-0Y-0PAK		1979	Pakistan
ZAAFRANE	ZAF	SN64/KLRE	II19975-68Y-1J-1Y-1J-5Y-1T-0TUN		1971	Tunisia
ZACATECAS 74	ZCT	NOR/4/CNO/JAR/3/Y50E/CNO//ON	II30861-1R-104M-109S-101M-0R-0MEX		1974	INIFAP
ZAMINDAR 80	ZMD80	RON/CHA//BB/NOR	CM5484-F-5Y-4M-1Y-1M-1Y-0M-0PAK	KATHADIN	1980	Pakistan
ZARAGOZA 75	ZA75	MENG/8156	H223.64-1Y-6C-1Y-1C-4Y-3C-2R-100Y-0MEX		1975	Mexico
ZARAGOZA 88	ZA88	YD/BJY			1988	Guatemala
ZARDANA 89	ZARD89	CNO/8156//TOB/3/CNO/4/NO/3/II12300/LR64/8156/5/PVM	CM40577-6M-2Y-4M-1Y-8M-1Y-0B		1993	Pakistan
ZARGOON 79	ZGN	CC/INIA66/3/TOB/CTFN//BB/4/7C	CM8237-G-1M-3Y-2M-4Y-0M-0PAK		1979	Pakistan
ZELLAF	ZELLAF	CNO//SN64/KLRE/3/8156	II23584-0LBY	BLUEBIRD	1983	Libya
ZENZONTLI	ZZ	ZA75/JAR/3/TH*3/2*FN//K58N	II27106		1971	CIMMYT
ZOPILOTE	ZP	SN64A/6*SKE//3*ANE/M/3/2*RW/2*BZA	II20911-2E-8E-2E		1973	Ecuador

Table 2. List of successful crosses that have been released under different names in many different countries.

No.	Cross	Cultivar	Country
II7064	YT54/N10B26.1C	MEXICANO 1481 MEXICO 120 PITIC 62 TESSALAH 75	Portugal Australia Mexico Algeria
II7078	FKN/N10B	PENJAMO T 62 SABI VL GEHUN 401	Mexico South Africa India
II8156	PJ/GB55	INDUS 66 KALYAN KALYANSONA LAKETCH MEXIPAK MIVHOR PV18A SAMWHIT 5 SIDI MISRI 1 SIETE CERROS T 66 SIETE CERROS-DZA SUPER X	Pakistan Ethiopia India India Pakistan Israel India Nigeria Libya Mexico Algeria Mexico
II8469	YT54/N10B/2*Y54	SAMOENG 2 SAMWHIT 3 SONORA 63 SONORA 64	Thailand Nigeria Brazil Mexico

II8501	PJ/2*Y54	NADADORES M 63 SNA 2	Mexico Chile
II8724	Y50/N10B/L52/3/2*LR	LERMA ROJO 64 TURPIN 9	Mexico South Africa
II8739	LR/N10B/3*ANE	ANZA KALAMA 75 KARAMU MEXICANI MOGHAN 1 SNA 1 T4 WW 15	USA Algeria New Zealand Sudan Iran Chile South Africa Australia
II18889	SN64A/TZPP/NAI60	128.69 BAJIO 66 HAI JARAL F 66 LEONES INTA NAICA	Paraguay Mexico Israel Mexico Argentina Paraguay
II19008	LR64/SN64	INIA F 66 INIA 66 R KWECHÉ NOROESTE F 66 NORTENO M 67 NORTENO 67 SAMOENG 1 SHERA UP 301	Mexico USA Tanzania Mexico Mexico Bangladesh Thailand India India

Table 2. (continued)

No.	Cross	Cultivar	Country
II19021	TZZP/SN64A	BAJIO 67	Mexico
		MACHEKE	Zimbabwe
		MEXICAN 16	Zimbabwe
		PEAK	USA
		PEAK 72	USA
		RED RIVER 68	USA
		TOBARI F 66	Mexico
II19957	PI/CHR/SN64	AHOME S 70	Mexico
		AZTECA 67	Mexico
		BONANZA	USA
		BOUNTY 208	USA
		CHAPARRAL	USA
		CIANO F 67	Mexico
		COLANO	USA
		DEKALB LAPACHO	Argentina
		DEKALB URUNDAY	Argentina
		MAXIGENE 1651	USA
		WORLD SEEDS 1651	USA
II19975	SN64/KLRE	ABU GHRAIB # 3	Iraq
		ITAPUA 5	Brazil
		MARCOS JUAREZ INTA	Argentina
		SOLTANE	Tunisia
		ZAAFRANE	Tunisia
II21872	BJ66/NAR59	DIAMANTE INTA	Argentina
		QUETZAL 75	Guatemala

II21974	TZPP/SN64//NAR59	EL PATO PATO ARGENTINO	Argentina Brazil
II22402	INIA66/NAPO	POTAM S 70 POTAM SAKHA 3	Mexico Morocco Egypt
II22429	TZPP/SN64/3/LR64A//TZPP/3*ANE	CALIDAD UTIQUE	Argentina Tunisia
II23584 BLUEBIRD	CNO//SN64/KLRE/3/8156	AERIE CAJEME F 71 GWEBI BLUEBIRD MARIANELA NURI F 70 NURI 70 PARI 73 PROBRED QUIMORI 79 SAKHA 8 SANDAL 73 SARIC F 70 UP 319 VAGA 72 YECORA F 70 YECORA 70 YECORA ROJO ZELLAF	South Africa Mexico Zimbabwe Chile Mexico Pakistan Pakistan USA Bolivia Egypt Pakistan Mexico India Tunisia Mexico Pakistan USA Libya
II26265 CHANATE	CNO/PJ//CNO/7C	SALAMANCA 75 SAKARYA 75	Mexico Turkey

Table 2. (continued)

No.	Cross	Cultivar	Country
II26502	SN64/KLRE//BB	MOCHIS 73 SONKA INIA	Mexico Chile
II26992	KAL/BB	0483 ANANDA JOU DA KALYAN BLUEBIRD	China Morocco Bangladesh Madagascar
II27100	BB/NOR	LYALLPUR 73 YEZIN WHEAT 1	Pakistan Myanmar
II27829	CNO/GLL	ANTIZANA FATH MAYA 74 ULUCAK 75 WILGOYNE	Ecuador Tunisia Guatemala Turkey Australia
II28424	7C/ON//INIA67/BMAN	CUCKOO HARAMOUN	Iraq Libya
II30842	II12300/LR64/8156/3/NOR	ANAHUAC F 75 COCORAQUE F 75 JUPATECO F 73	Mexico Mexico Mexico
CM1708	BB/CC//RON	CHEYO PIRAY RIO GRANDE	Bolivia Bolivia Bolivia

CM5287 BLUEJAY	TZPP/PL/7C	JAHUARA M 77 MATTEN INIA NACAZARI F 76 PAI COMOMOSI SIND 83 TANDOJAM 83 TANIT 80 VASKAR	Mexico Chile Mexico Bolivia Pakistan Pakistan Tunisia Nepal
CM7806	CRT/KAL/BB	CPAN1796 RAJ 1482 WL 2265	India India India
CM8237	CC/INIA66/3/TOB/CTFN/BB/4/7C	GERMA ZARGOON 79 ZARGOON 79	Libya Algeria Pakistan
CM8288 MONCHO	WE-M/GTO/KAL/BB	BALANYA 82 DOLLARBIRD MONCHO	Guatemala Australia Brazil
CM8327 EMU	TOB/NAPO/NO/ERA/3/BB/GLL	EMU-Z OTANE PROBRAND 751 SNA 24-PORVENIR	Zambia New Zealand USA Chile
CM8399 PAVON	VCM/CNQ/7C/3/KAL/BB	AZIMIO 87 BARAKA CHELLIF 78 CIRTA 78 EL GAVILAN GIZA 162	Tanzania Morocco Algeria Algeria Peru Egypt

Table 2. (continued)

No.	Cross	Cultivar	Country
		HARTOG	Australia
		MARIB 1	Yemen A.Rep
		ONDA INIA	Chile
		PAVON F 76	Mexico
		PAVON 76-BGD	Bangladesh
		PAVON 76-ETH	Ethiopia
		PAVON-PAK	Pakistan
		PILANCHU 80	Bolivia
		SAMWHIT 6	Nigeria
		TOTORA IBTA 80	Bolivia
		VICTORIA	Chile
CM8954	WE-M//CNO/NO/3/ZBZ	CRANBROOK	Australia
FLICKER		SNA 12-GRANEROS	Chile
CM8963	SD648.5/8156/3/CHR//SN64/KLRE/4/BB/CAL/5/ZBZ	MARISOL	Chile
CHIROCA		PILANCHO IBTA 80	Bolivia
CM8972	TOB/BMAN//BB/3/CDL/4/SX	MULEGE F 81	Mexico
		MAHONE F 81	Mexico
CM11683	D6301/NAI60//WRM/3/CNO*2/CHR	7612.3	China
ALONDRA		ALONDRA 1	Paraguay
		ALONDRA 4546(ML)	Brazil
		BR 10-FORMOSA	Brazil
		BR 18-TERENA	Brazil

		DHUMRAN GOLESTAN ICA SUSATA	Yemen A.Rep Iran Colombia
CM15430	INIA/RLA220/7C/3/YR	SAKHA 61 SAKHA 69	Egypt Egypt
CM16716 COWBIRD	KLAT//INIA66/BB/4/NP876/PJ//CAL/3/BB	COWBIRD-BDI LAS ROSAS INTA	Burundi Argentina
CM21335 KEA	TZPP*2/AN//INIA66/3/CNO67/JAR//KVZ	GUAPAY CIAT OCEPAR 7-BATUIRA PAI ALCAPARRO	Bolivia Brazil Bolivia
CM30136 TTTMOUSE	PL/3/INIA66/CNO//CAL/4/BJY	PROINTA ISLA VERDE TESIA F 79	Argentina Mexico
CM30697 TANAGER	SIS/PVN	BR 29-JAVAE SAUCE INIA SIPA INIA	Brazil Chile Chile
CM31678 BUCKBUCK	BY/MAYA/4/BB//HD832.5.5/ON/3/CNO67/PJ	BR 12-ARUANA CIANO T 79 CRISTINA IMURIS T 79 NGAMIA SARSABZ SNA 101 SNA 203	Brazil Mexico Peru Mexico Kenya Pakistan Chile Chile

Table 2. (continued)

No.	Cross	Cultivar	Country
CM33027 VEERY	KVZ/BUHO//KAL/BB	ANADOLU	Turkey
		ANNAPURNA 1	Nepal
		ARGANDA	Spain
		AZIZ	Yemen A.Rep
		BOHOOTH 202	Libya
		BR 26-SAO GOTARDO	Brazil
		BR 31-MIRITI	Brazil
		CARTHAYA	Spain
		CHANE CIAT	Bolivia
		CORDILLERA 3	Paraguay
		DASHEN	Ethiopia
		ESTANZUELA CARDENAL	Uruguay
		FALAT	Iran
		GAMTOOS	South Africa
		GENARO T 81	Mexico
		GICINYA	Rwanda
		GIZA 164	Egypt
		GLENNSON M 81	Mexico
		GUO JI 13	China
		HAR 407	Ethiopia
		HS 207	India
		HUW 206	India
		IAC 289-MARRUA	Brazil
		IAPAR 28-IGAPO	Brazil
		ICTA OLINTEPEQUE 86	Guatemala
		JING XUAN 9	China
		KAKLIC 88	Turkey
		LA MOLINA 82	Peru
		LIMA 1	Portugal

LOERIE
 LOERIE II
 MACS2496
 MALAVIYA 206
 MEHRAN 89
 MILLALEAU INIA
 MUKHTAR
 NARRO F 84
 NATA
 NL 459
 NOBO INIA
 OCEPAR 18
 PAK 81
 PIRSABAK 85
 RUSAPE
 SASARAIB
 SCW101
 SERI M 82
 SERI 82-TUR
 SERI 82-LBN
 SERI 82-BGD
 SERIC
 SNA 204
 SNA 205
 SNA 206
 SNA 210
 TAMEGA
 TAUSI
 TILILA
 URES T 81
 VIRI
 YEZIN WHEAT 6
 YUN ZHI 437

Zambia
 Zambia
 India
 India
 Pakistan
 Chile
 Yemen A.Rep
 Usssr
 Zimbabwe
 Nepal
 Chile
 Brazil
 Pakistan
 Pakistan
 Zimbabwe
 Sudan
 Zimbabwe
 Mexico
 Turkey
 Lebanon
 Bangladesh
 Zambia
 Chile
 Chile
 Chile
 Chile
 Portugal
 Tanzania
 Morocco
 Mexico
 Tanzania
 Myanmar
 China

Table 2. (continued)

No.	Cross	Cultivar	Country
CM33090	KVZ/TI//TITO	DOHA 84 IAPAR 47 PURBALI TITICACA	Qatar Brazil India Peru
CM33202	KVZ//KAL/BB/3/BON	BOHOOTH 206 GUASAVE F 81	Libya Mexico
CM33203 BOBWHITE	AU//KAL/BB/3/WOP	BR 17-CAINA COOPERACION CALQUIN DON ERNESTO INTA ESTANZUELA BENTEVEO GARA HAR 416 IAN 8-PIRAPO MARMARA 86 OVACION INIA PAI KOWARI PAI MISTOL PROINTA FEDERAL SARHAD 82	Brazil Argentina Argentina Uruguay Ethiopia Ethiopia Paraguay Turkey Chile Bolivia Bolivia Argentina Pakistan
CM33483 JUNCO	BB/GLL//CARP/3/PVN	BARKAT GALVEZ S 87 SARIAB-92	Bangladesh Mexico Pakistan
CM34555	BB/GLL//CJ71/3/F35.70//KAL/BB	KWARE W2005	Tanzania Tanzania

CM34603 CHOVA	GLL/YR RESEL(B)3/AU// KAL/BB	CHOVA-BDI TAMIRA	Burundi Rwanda
CM34630 SUNBIRD	GLL/CUC//KVZ/SX	BATU BYRSA 87	Ethiopia Tunisia
CM37987 TEETER	ORE F1 158/FDL//MFN2*TIBA63/3/COC	KOHINOOR 83 PUNJAB 83	Pakistan Pakistan
CM38212 PFAU	HORK/YMH//KAL/BB	DARIEL KASIFBEY95	Israel Turkey
CM39816	FLK/HORK	CHAM 4 DOGANKENT-I SIDI OKBA	Syria Turkey Algeria
CM39992	JUP/BJY	IAPAR 17-CAETE MINDORO	Brazil USA
CM40038 HEEL	BJY/JUP	AGUA DULCE CIAT IAPAR 29-CACATU LILEN INIA OPATA M 85	Bolivia Brazil Chile Mexico
CM40096	W3918A/JUP	CHAM 6 NESSER	Lebanon Jordan
CM40577	CNO/8156/TOB/CNO/4/NQ/3/II12300// LR64/8156/5/PVN	BR 30-CADIVEU ZARDANA 89	Brazil Pakistan
CM41195 YACO	HIM/COC//NAC	CUCURPE S 86 IAC 287-XACO	Mexico Brazil

Table 2. (continued)

No.	Cross	Cultivar	Country
CM41860 FINK	BON/YR3/F35.70//KAL/BB	INIAP COJITAMBO 92	Ecuador
		MBEGA	Kenya
		NJOMBE 6	Tanzania
		SELIAN 87	Tanzania
		WARI-INIAA	Peru
CM43903 LIRA	KVZ/TRM//PTM/ANA	ANMOL 91	Pakistan
		KHYBER 87	Pakistan
		LIRA SA 92	Turkey
		PIRAI CIAT	Bolivia
		PUNJAB 85	Pakistan
CM44083	MAYA/MON//KVZ/TRM	FAISALABAD 85	Pakistan
		RAWAL 87	Pakistan
CM46961	MRNG/ALDAN	MRNG-ALDAN	Burundi
		OCEPAR 10-GARCA	Brazil
		OCEPAR 11-JURITI	Brazil
CM47207	IAS64/ALDAN	MG 1	Brazil
		OCEPAR 8-MACUCO	Brazil
CM49641	BUC/BJY	BR 33-GUARA	Brazil
		ESMERALDA M 86	Mexico
		GRANERO INTA	Argentina
		SNA 102	Chile

CM58924	MAYA74/ON/II60.147/3/BB/GLL/4/CHAT	EMBRAPA 22 GEMMEIZA 1	Brasil Egypt
CM59123 BAGULA	TTR/JUN	ANGOSTURA F 88 ESTANZUELA COLIBRI KAGHAN-93 PIRSABAK 92	Mexico Uruguay Pakistan Pakistan
CM62000	GLL/AUST II61.157//CNO/NO/3/VEE	CPAN3004 SANGAM	India India
CM61942	MON/IMU	ANDINO-INIAA ICA TENZA	Peru Colombia
CM62661	ND/VG9144//KAL/BB/3/YACO	DOMO INIA YOBILLO INIA	Chile Chile
CM64624	PRL/VEE6	CUMPAS T 88 MOCHIS T 88	Mexico Mexico
CM64693 LOXIA	BOW/GEN	ITAPUA 40-OBLIGADO KLEIN DRAGON	Paraguay Argentina
CM67245	AU/UP301//GLL/SX/3/PEW/4/MAI/MAYA/PEW	DUMA HAIDER-94	Kenya Pakistan
CM67458 KAUZ	JUP/BJY//URES	BACANORA T 88 BASRIBEY95 SEYHAN95 WH542	Mexico Turkey Turkey India

Table 2. (continued)

No.	Cross	Cultivar	Country
CM69560	PSN/BOW	KOHSAR-92 SAETA INIA	Pakistan Chile
CM74849 TUI	HER/SAP//VEE	ARANDAS F 90 CULIACAN T 89	Mexico Mexico
CM75650	KVZ/3/TOB/CTFN/BB/4/BLO/5/ VEE5/6/BOW/3/YD//BB/CHA	NKWAZI PASINA 90	Zambia Pakistan
CM75748 MUNIA	JUN/BOW//VEE#5/BUC	FALY 92 ICTA SIJA	Madagascar Guatemala
SWM2888	KVZ/5/CAL//CNO/SN64/4/CNO// NAD/CHR/3/SN64/KLRE//BB	PROINTA QUERANDI PROINTA PIGUE	Argentina Argentina
SWM176	KVZ/K4500.L.6.A.4	MOYJA CIAT MBAYUWAYU	Bolivia Tanzania
SWM1285 HOOPOE	KVZ/CNO/PJ	IAC 162-TUTUIU IAPAR 21-TAQUARI	Brazil Brazil

Table 3. Abbreviations indicating where crosses were made.

Letter Code	Explanation	Organization, Location
ALG	Algeria	IGC, Algeria
BR	Brazil	FECOTRIGO, Brazil
CG	Cruza Guatemala	ICTA, Guatemala
CF	Cruza Fraternal	INIFAP, Mexico
CH	Chile	INIA, Chile
CIGM	Cruza Intergenerica Mexicana	CIMMYT, Mexico
CM	Cruza Mexicana	CIMMYT, Mexico
CMH	Cruza Mexicana Hibridos	CIMMYT, Mexico
CNT	Centro Nacional de Trigo	EMBRAPA, Brazil
COL	Colombia	ICA, Colombia
CRG	Cruza Rust Genetics	CIMMYT, Mexico
E	Ecuador	INIAP, Ecuador
F	Passo Fundo	EMBRAPA, Brazil
H	Cruza Mexicana Hibridos	CIMMYT, Mexico
II	Cruza Mexicana (before 1970)	CIMMYT, Mexico
MDA	Ministerio de Agricultura	Argentina
MJ	Marcos Juarez	INTA, Argentina
ORE	Oregon State University	Corvallis, Oregon, USA
OWW	Oregon Winter Wheat	Corvallis, Oregon, USA
PK	Pakistan	Pakistan
PF	Passo Fundo	EMBRAPA, Brazil
S	South Africa	South Africa
SE	Spring Wheat Agean	National Winter Cereal Program Izmir, Turkey
SWM	Spring x Winter Mexico	CIMMYT, Mexico
SWO	Spring Winter Oregon	Corvallis, Oregon, USA
TC	Trigo Chapingo	INIFAP, Mexico
TE	Temuca	INIA, Chile
TR	Trigo Rogue	INIFAP, Mexico
TU	Tunisia	Tunisia
UC or UCD	University of California	University of California, Davis, USA
X	Triticale Crosses (before 1981)	CIMMYT, Mexico

Table 4. Abbreviations indicating where selections were made.

Abbreviation	Name	Place
A	Ariana	Ariana, Tunisia
AFG	Afghanistan	Afghanistan
AP	Aleppo	Aleppo, Syria
ARG	Argentina	Argentina
AUS	Australia	Australia
B	Batan	El Batan, Mexico
BDI	Burundi	Burundi
BF	Batan Fusarium	El Batan, Mexico
BGD	Bangladesh	Bangladesh
BJ	Beja	Beja, Tunisia
BK	Baraki	Algeria
BOL	Bolivia	Bolivia
BRA	Brazil	Brazil
BUR	Burma	Myanmar
BV	Bordenave	Bordenave, Argentina
C	Chillan	Chillan, Chile
CH	Chimaltenango	Chimaltenango, Guatemala
CHL	Chile	Chile
CHN	China	China
COL	Colombia	Colombia
DZA	Algeria	Algeria
E	Ecuador	Quito, Ecuador
ECU	Ecuador	Ecuador
EGY	Egypt	Egypt
ELV	Elvas	Elvas, Portugal
ESP	España	Spain
ETH	Ethiopia	Ethiopia
F	Passo Fundo	Passo Fundo, Brazil
FS	Fertility Study	Mexico
G	Argentina Location	Argentina
GTM	Guatemala	Guatemala
H	Hyslop	Oregon, USA
IAC	Instituto Agronomico De Campinas	IAC Campinas, Brazil
IND	India	India
IRAN	Iran	Iran
IRQ	Iraq	Iraq
ISR	Israel	Israel
J	Juarez	Marcos Juarez, Argentina
JOR	Jordan	Jordan
K		Brazil
KA	Klein Argentina	Argentina
KE	Kenya	Kenya
KEN	Kenya	Kenya
LBY	Libya	Libya

Table 4. (continued)

Abbreviation	Name	Place
LD	Londrina	Londrina, Brazil
M	Toluca	Toluca, Mexico
MAR	Morocco	Morocco
MB	Mbala Makulu	Zambia
MDG	Madagascar	Madagascar
MEX	Mexico	Mexico
MF	Mexico Fusarium	Toluca, Mexico
MM	Mount Makulu	Zambia
N	Navojoa	Navojoa, Mexico
NER	Niger	Niger
NPL	Nepal	Nepal
NZL	New Zealand	New Zealand
P	Platina	Santiago, Chile
PAK	Pakistan	Pakistan
PER	Peru	Peru
PR	Poza Rica	Poza Rica, Mexico
PRT	Portugal	Portugal
PRY	Parguay	Paraguay
PTZ	Patzcuaro	Patzcuaro, Mexico
QAT	Qatar	Qatar
R	Roque	Celaya, Mexico
RWA	Rwanda	Rwanda
S	-	Izmir, Turkey
SAU	Saudi Arabia	Saudi Arabia
SDN	Sudan	Sudan
SE	EGE	Turkey
SJ	Sierra de Jalisco	Mexico
SYR	Syria	Syria
T	Temuco	Temuco, Chile
THA	Thailand	Thailand
TUN	Tunisia	Tunisia
TUR	Turkey	Turkey
TZA	Tanzania	Tanzania
U	Uepae	Brazil
UP	Uttar Pradesh	Pantnagar, India
	Agricultural University	
URY	Uruguay	Uruguay
USA	United States	United States
WM	Winter Mexico	Mexico
X	Xelaju	Xelaju, Guatemala
Y	Yaqui	Cd. Obregon, Mexico
YA	Ankara	Ankara, Turkey
YF	Yaqui Fusarium	Cd. Obregon, Mexico
ZAF	South Africa	South Africa
ZMB	Zambia	Zambia
ZWE	Zimbabwe	Zimbabwe

Table 5. Abbreviations used to identify advanced lines other than those developed by CIMMYT and/or INIFAP, Mexico.

Abbreviation	Explanation	Institution, Location
BT	Ble Tendré	Algeria
BT	Ble Tendré	Morocco
BT	Ble Tendré	Tunisia
BUCK	Buck	Buck, Argentina
CNT	Centro Nacional de Trigo	EMBRAPA, Brazil
HB	Hybrid Bhowali	Indian Agricultural Research Institute, Bhowali, India
HD	Hybrid Delhi	Indian Agricultural Research Institute, New Delhi, India
HI	Hybrid Indore	Indian Agricultural Research Institute, Indore, India
IAC	Instituto Agronómico de Campinas	IAC, Campinas, Brazil
ICA	Instituto Colombiano Agropecuario	ICA, Colombia
ICTA	Instituto de Ciencia y Tecnología Agrícolas	ICTA, Guatemala
IRN	International Rust Nursery	USDA, Beltsville, Maryland, USA
IWP	India Wheat Program	Indian Agricultural Research Institute, New Delhi, India
KL	Klein	Klein, Argentina
MN	Minnesota	University of Minnesota, USA
ND	North Dakota	University of North Dakota, USA
PAI	Proyecto Abapo-Izozog	Abapo-Izozog, Bolivia
PAT	Programa Acelerado de Trigo	FECOTRIGO, Brazil
PF	Passo Fundo	EMBRAPA, Brazil
RL	Rust Laboratory	Rust Laboratory, Winnipeg, Canada
SNA	Sociedad Nacional de Agricultura	SNA, Santiago, Chile
UC	University of California	University of California, Davis, California, USA
UM	University of Manitoba	University of Manitoba, Canada
UP	Uttar Pradesh	Uttar Pradesh Agricultural University, Pantnagar, India
UQ	University of Queensland	University of Queensland, Toowoomba, Australia
WW	Wagga Wagga	New South Wales Department of Agriculture, Australia

Table 6. Abbreviations used but not explained in Table 1.

Abbreviation	Name	Country
38MA	MINISTERIO DE AGRI 38	Argentina
ACC	ACCIAIO	Italy
AFRICA	AFRICA	Kenya
AG.CU	AGROPYRON CURVIFOLIUM	USA
AG.DI	AGROPYRON DISTICHUM	USA
AGA	AGATHA	Canada
AGRI	AGRI	Turkey
AMD	ALMOND	Chile
AN	ANDES	Colombia
AN64	ANDES 64	Colombia
ATR	ARTHUR	USA
ATR71	ARTHUR 71	USA
AU	AURORA	Russia
BEZ	BEZOSTAJA	Russia
BEZ1	BEZOSTAJA 1	Russia
BGS	BURGAS 2	Bulgaria
BHR	BENHUR	USA
BMAN	BUCK MANANTIAL	Argentina
C168.3	C168.3	USA
CAR422	CARIANCA 422	Chile
CAR853	CARIANCA 853	Chile
CARP	CARPINTERO	Brazil
CD	CAPPELLE DESPREZ	France
CEB148	CEBECO 148	Netherlands
CHEG	CHEG	Argentina
CHR	CHRIS	USA
CHRDMS	CHRIS DMS	Mexico
CHUM18	CHUAN MAI 18	China
CI7800	CEREAL INTRODUCTION 7800	USA
CLI	CHOLI	Chile
CMT	CLEMENT	Netherlands
CNDR	CONDOR	Australia
CNO67	CIANO F 67	Argentina
COFN	COFN	Chile
CON	CORONATION	Canada
COU	COUTICHES	France
CQT	CINQUENTENARIO	Brazil
CRIM	CRIM	USA
CS	CHINESE SPRING	China
CTFN	CENTRIFEN	Chile
CZHO	CARAZINHO	Brazil
D6301	DAVIS 6301	USA
DRC	DRUCHAMP	France

Table 6. (continued)

Abbreviation	Name	Country
E.GIG	E.GIG	USA
EL	ELITE LEPEUPLE	France
ELGA	EL GAUCHO	Argentina
ERA	ERA	USA
EX	EXCHANGE	USA
F35.70	FUNDALEA 35.70	Romania
FCH3	FONG CHAN 3	China
FDL	FUNDALEA	Romania
FFN	FUFAN 17	China
FKN	FKN	USA
FLN	FORLANI	Italy
FLR	FLETCHER	USA
FN	FRONTANA	Brazil
FR	FEDERATION	Australia
FURY	FURY	Kenya
GB-AUS	GABO-AUS	Australia
GB54	GABO 54	Mexico
GB55	GABO 55	Mexico
GB56	GABO 56	Mexico
GHL121	GOHLS 121	Germany
GOV	GOLDEN VALLEY	Yugoslavia
GTO	GABOTO	Argentina
HD1220	HYBRID DELHI 1220	India
HD832	HYBRID DELHI 832	India
HIM	HEIMA	France
HK	HEINES KOLBEN	Germany
HOP	HOPPS	Australia
HUAR	HUAMANTLA ROJO	Mexico
HYS	HYSLOP	USA
JAC	JACUI	Brazil
JCAM	JOSS CAMBIER	France
K117A	KENYA 117 A	Kenya
K58	KENYA 58	Kenya
K58N	KENYA58/NEWTTHATCH	USA
KAD	KENYA 350-A-D-9-C-2	Kenya
KAL	KALYANSONA	India
KITE	KITE	Australia
KLAT	KLEIN ATLAS	Argentina
KLPE	KLEIN PETISO	Argentina
KLRE	KLEIN RENDIDOR	Argentina
KLRE.E	KLEIN RENDIDOR ENANO	Mexico
KNTT2	KNOTT #2	Canada
KR	KANRED	USA
KT	KENYATANA	Mexico
KT48	KENYATANA 48	Mexico

Table 6. (continued)

Abbreviation	Name	Country
KT54	KENYATANA 54	Mexico
KT54B	KENYATANA 54 B	Mexico
KT54E	KENYATANA 54 E	Mexico
KVZ	KAVKAZ	Russia
L52	LERMA 52	Mexico
LD357E	LANGDON 357 ENANO	USA
LEE	LEE	USA
LFN	LILIFEN	Chile
LOV23	LOVRIN 23	Romania
LR	LERMA ROJO	Mexico
LR64	LERMA ROJO 64	Mexico
LR64A	LERMA ROJO 64A	Mexico
LV	LAGOA VERMELHA	Brazil
MAS5	MASSAUX NO 5	Argentina
MAYA	MAYA 74	Guatemala
MCD	MCDERMID	USA
MCM	MCMURACHY	Canada
MD	MARNE DESPREZ	France
MENG	MENGAVI	Australia
MFD	MARIS FUNDIN	Great Britain
MFN	MEXIFEN	Chile
MIDA	MIDA	USA
MJI	MARCOS JUAREZ INTA	Argentina
MPLM	MARIS PLOUGHMAN	Great Britain
MRL	MAIORAL	Portugal
MRNG	MARINGA	Brazil
MRS	MILDRESS	Netherlands
MY	MAYO	Mexico
MY54	MAYO 54	Mexico
MZ	MAZOE	Zimbabwe
N	NEWTATCH	USA
N10	NORIN 10	Japan
N10B	NORIN 10 BREVOR	USA
NAFN	NAOFEN	Chile
NAI60E	NAINARI 60 ENANO	Mexico
NAPO	NAPO 63	Colombia
NAR59	NARINO 59	Colombia
ND	NORD DEPREZ	France
ND81	NORTH DAKOTA 81	USA
NP875	NEW PUSA 875	India
NP876	NEW PUSA 876	India
NSTP	NAZARENO STRAMPELLI	Italy
NZT	NEUZUCHT	Germany
OLN	OLLANTA	Peru
ON	OLESON'S DWARF	Zimbabwe

Table 6. (continued)

Abbreviation	Name	Country
P14	P 14	Colombia
P4160	P4160	Mexico
P4160E	P4160E	Mexico
PAR214	PARAGUAY 214	Brazil
PATO	PATO ARGENTINO	Argentina
PATOB	PATO BLANCO	Argentina
PCHU	PONCHEAU	France
PEX	PROBSTDORFER EXTREM	Austria
PRT	PROTOR	USA
PT7219	PAT7219	Brazil
PTR	PANTHER	Mexico
PTS	PIAMONTES INTA	Argentina
PV18	PV 18(V18)	India
RAF	RAFAELA	Argentina
RFN	RULOFEN	Chile
ROM	ROM	Kenya
RRV	RED RIVER 68	USA
RSK	ROUSSALKA	Bulgaria
RW	RED WAVE	USA
S308	S 308	India
SARA	ICTA SARA 82	Guatemala
SDY	STURDY	USA
SE	SENECA	USA
SHA3	SHANGHAI #3	China
SKA	SONALIKA	India
SKE	SKEMER	South Africa
SORT	SORT 12-13	Yugoslavia
SRS	SKORO SPELKA	Russia
STE	SANTA ELENA	Argentina
STW63	STEWART 63	Canada
SU139	SUWEON 139	Korea
SUZ8	SUZHOE #8	China
TAC	TACUARI INTA	Argentina
TH	THATCHER	USA
THB	THORNBIRD	Brazil
TIBA63	TIBA 63	Colombia
TMP	TRIUMPH	Australia
TP	TOROPI	Brazil
TQFN	TOQUIFEN	Chile
TT	TOM THUMB	USA
TZPP	TEZANOS PINTOS PRECOZ	Argentina
UP301	UP 301	India
VG9144	VG9144	USA
WAL	WINTER ALASKA	USA
WHT	WHEATON	USA

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