

Appendixes

APPENDIX 1
List of varieties released in Latin America

Variety	Year of release	Parents	CS ^a	Flowering (days)	Country
IAC 1246	-	Pratao/Perola	UL	-	Brazil
IAC 47	1971	IAC 1246/IAC 1391	UL	90	Brazil
IAC 25	1974	Dourado Precoce/IAC 1246	UL	65	Brazil
IAC 164	1980	Dourado Precoce/IAC 1246	UL	-	Brazil
IAC 165	1980	Dourado Precoce/IAC 1246	UL	-	Brazil
IRAT 112	1982	IRAT 13/Dourado Precoce	UL	117	Brazil
IREM 16-B	1982	PJ110/IAC 25	UL	116	Brazil
BR 4	1983	IAC 5544/Dourado Precoce	UL	70	Brazil
IAPAR 9	1983	Batatais/IAC F3-7	UL	-	Brazil
Emcapa 01	1984	IAC 5544/Dourado Precoe	UL	80	Brazil
Cuiabana	1986	IAC 47/SR2041-50-1	UL	90	Brazil
Araguaia	1986	IAC 47/TOS 2578-7-4-2-3-B2	UL	98	Brazil
Rio Paranaíba	1986	IAC 47/63-83	UL	100	Brazil
Cabaçu	1987	Mutant of 63-83	UL	102	Brazil
Guarani	1987	IAC 25/63-83	UL	80	Brazil
Centro América	1987	IAC 25/63-83	UL	70	Brazil
Tangará	1988	IAC 25/IRAT 13	UL	70	Brazil
Guaporé	1988	IAC 47/IRAT 13	UL	85	Brazil
Mearim	1989	Mutant of OS6	UL	75	Brazil
Douradão	1989	IAC 25/63-83	UL	80	Brazil
Xingu	1989	IAC 47/IRAT 13	UL	85	Brazil
Rio Doce	1991	Batatais/IAC F3-7	UL	-	Brazil
Triunfo	1991	IAC 47/IRAT 13	UL	-	Brazil
Rio Verde	1992	M 312A/Colombia 1	UL	90	Brazil
Rio Paraguai	1992	IAC 47/63-83	UL	87	Brazil
IAC 201	1992	IAC 165/Labelle	UL	85	Brazil
IAPAR 62	1993	Native	UL	65	Brazil
IAPAR 63	1993	IAC 1246/IR665-4-1-1	UL	105	Brazil
IAPAR 64	1993	IAC 47/L71-5-3-2	UL	105	Brazil
Progresso	1993	(Colômbia 1xM312A)/IRAT 124//RHS 107-2-1-2TB-1JM	UL	105	Brazil
Acrefino	1993	Rustic/Tapuripa	UL	95	Brazil
Maravilha	1993	TOx1010-49-1/IRAT 121//IRAT 216	UL	132	Brazil
Caiapó	1994	IRAT 13/Beira Campo//CNAX104/Perola	UL	93	Brazil
Carajás	1994	IREM 293/IAC 81-176	UL	84	Brazil
Progresso	1994	P 5607/RHS 107-2-1-2TB-1JM	UL	-	Brazil
Uruçui	1994	IAC 165//IAC 165/PI-9	UL	70	Brazil
Canastra	1996	Tox 939-107-2-101-1B/(Colômbia 1xM312A)//Tox 17806-5-1-2-B	UL	100	Brazil
Confiança	1996	IAC 164/Rio Verde	UL	105	Brazil
Primavera	1997	IRAT10/LS 85-158	UL	75	Brazil

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IAC 202	1997	-	UL	-	Brazil
Carisma	1999	CT7244-9-1-5-3/CT6196-33-11-1-3//CT6946-2-5-3-3-2-M	UL	94	Brazil
BRS Bonança	2001	CT7244-9-2-1-52-1/CT7232-5-3-7-2-1P//CT6196-33-11-1-3-AP	UL	-	Brazil
Aimoré	2001	IAC 164/Rio Verde	UL	75	Brazil
EEA-404	-	Zenith/Maravilha	IR	-	Brazil
EEA-406	-	Zenith/Maravilha	IR	-	Brazil
IAC 435	-	IAC 1/IAC 3	IR	-	Brazil
IAC 120	1965	Iguape Agulha/Nira	IR	-	Brazil
IR 22	1970	IR 8/Tadukan	IR	-	Brazil
Cica 7	1971	IR22//IR930/Colombia 1	IR	102	Brazil
IRGA 407	1971	-	IR	-	Brazil
Cica 8	1972	Cica 4//IR665-23-3-1/Tetep	IR	111	Brazil
IR841	1974	IR262-43-8-11/Khao Dawk Mali 10	IR	-	Brazil
BR-IRGA 408	1975	IR8/IR12-178-2-3	IR	-	Brazil
IR665	1976	IR 8//Peta*5/Belle Patna	IR	95	Brazil
BR-IRGA 409	1978	IR930-2//IR665-31-2-4	IR	-	Brazil
BR-IRGA 410	1978	IR930-53//IR665-31-2-4	IR	-	Brazil
BR 1	1978	Belle Patna/Dawn	IR	-	Brazil
BR 2	1978	IR9595-31-4/Leb Mue Nang	IR	-	Brazil
Empasc 100	1980	IAC 435/Taichung 24	IR	-	Brazil
Empasc 101	1980	IR930-80//IR532-E-208	IR	-	Brazil
Empasc 102	1980	IR930-53//IR579-160	IR	-	Brazil
IAC 1278	1982	P 1217/P 1236	IR	-	Brazil
IAC 4440	1982	Cica 4//IR665-23-3-1/Tetep	IR	-	Brazil
Pesagro 101	1983	IR3265-193-3//IR2061-213-2-1-6	IR	135	Brazil
Pesagro 102	1983	IR2058-78-1-3-2-3	IR	110	Brazil
Pesagro 103	1983	NSW//IR648	IR	130	Brazil
Empasc 103	1983	IR930-53//IR579-160	IR	-	Brazil
BR-Caeté	1984	Selection of Pisari	IR	100	Brazil
Empasc 104	1985	IR262-43-8-11/Khao Dawk Mali 10	IR	-	Brazil
MG1	1985	P1217/P1232	IR	105	Brazil
MG2	1985	BG66//IR26	IR	105	Brazil
BR-IRGA 411	1985	Dawn//IRGA 407	IR	135	Brazil
BR 3 Caeté	1985	Pisari Selection	IR	-	Brazil
Metica 1	1986	P738/P881//P738/P 868	IR	100	Brazil
Pesagro 104	1986	IR 22//IR930-147-13/Colombia 1	IR	-	Brazil
Pesagro 105	1986	IR 22/Pazudofuzu	IR	-	Brazil
EPEAL -101	1986	IR665-33-5-B//Tetep	IR	105	Brazil
EPEAL -102	1986	P1219/P1249	IR	105	Brazil
Ajuricaba	1986	BG90-2//4440/Colombia 1	IR	120	Brazil

Variety	Year of release	Parents	CS ^a	Flowering (days)	Country
BR-IRGA 412	1986	Selection in BR-IRGA 409	IR	105	Brazil
BR-IRGA 413	1986	IR930-2/IR665-31-2-4	IR	125	Brazil
Empasc 105	1986	Bin-Tang-Chieh/IR661-1-140-3-54	IR	-	Brazil
BR-IRGA 414	1987	IR930/IR665-31-7-4	IR	115	Brazil
Curumin	1987	BN 1/CR 115	IR	-	Brazil
IAC 238	1988	5685//3250/IRAT 8	IR	135	Brazil
IAC 242	1988	5685//3250/IRAT 8	IR	135	Brazil
Franciscano	1988	Cica 7//4440/Pelita 1/1	IR	140	Brazil
Pericumã	1989	Cica 4//4440/Cica 7	IR	-	Brazil
BR-IRGA 415	1989	Cica 9/BR-IRGA 409	IR	120	Brazil
BR/MS -1	1989	BR-IRGA 409/Cica 9	IR	65	Brazil
BR/MS-2	1989	Kagsung sem 12/IR22	IR	90	Brazil
Aliança	1990	4440//BG90-2/Tetep	IR	115	Brazil
IRGA 416	1990	IR841-67-1/BR-IRGA 409	IR	-	Brazil
BR-IPA	1990	-	IR	-	Brazil
IAC 100	1991	5738/3224//Costa Rica	IR	115	Brazil
IAC 101	1991	5738/3224//Costa Rica	IR	115	Brazil
Embrapa 6-Chui	1991	Selection in BR-IRGA 410	IR	110	Brazil
Embrapa 7-Taim	1991	Unknown	IR	130	Brazil
Epagri 106	1992	P3085/IR5853-118-5//IR1943-25-2-2-3-1	IR	75	Brazil
Javaé	1993	P3085//IR5853-118-5/IR19743-25-2-2-3-1	IR	80	Brazil
El Paso 144	1993	IR930-2/IR665-31-2-4	IR	-	Brazil
IAPAR 58	1993	IR579-160-2/P849	IR	110	Brazil
Diamante	1993	Sigadis 2/Taichung Native 1//IR24	IR	90	Brazil
BR-IPA 101	1994	Naylamp//IR840/Tetep	IR	-	Brazil
Capivari	1994	5006//H5/Ceysvoni	IR	132	Brazil
Epagri 107	1994	Cica 4//BG90-2/Cica 7	IR	95	Brazil
Pesagro 106	1994	P1221/P1224	IR	110	Brazil
Pesagro 107	1994	5738//3224/Costa Rica	IR	110	Brazil
Sapucai	1994	P 901-22-7-2-3-2-1B/P 918-19-9-3-1-3-1B//P 918-25-1-4-2-3-1B/P 882-12-6-1-5-3-1-1-1B	IR	130	Brazil
Urucua	1994	Nanicão/Cica 8//MG1	IR	123	Brazil
IRGA 417	1995	New Rex/IR19743-25-2-2//BR-IRGA 409	IR	-	Brazil
Epagri 108	1995	17719/5738//IR21015-72-3-3-3-1	IR	105	Brazil
Embrapa 38	1995	Selection in BR-IRGA 410	IR	70	Brazil
Embrapa 39	1995	CL Seleção 62a/CL Seleção 49-2	IR	125	Brazil
Samburá	1995	Nanicão/BG90-2//MG1	IR	135	Brazil
Mucuri	1995	Nanicão/Cica 8//MG1	IR	130	Brazil
Emcapa 104	1996	LI84215/LI82227	IR	105	Brazil
São Francisco	1996	5732//3234/Costa Rica	IR	100	Brazil

Variety	Year of release	Parents	CS ^a	Flowering (days)	Country
Diamante	1996	Sigadis 2/Taichung Native 1//IR24	IR	100	Brazil
Rio Formoso	1997	17719/5738//IR21015-72-3-3-3-1	IR	95	Brazil
Jequitibá	1997	Cica 9/BR-IRGA 409	IR	90	Brazil
Embrapa 130	1997	-	IR	-	Brazil
Rio Grande Formoso	1999	18467//2940/5730	IR	110	Brazil
Epagri 109	2000	-	IR	95	Brazil
SCS-111	-	CT7347//IR21015-72-3-3-3-1	IR	105	Brazil
SCS-112	2000	P2867F4-31-5/P4383F3-75	IR	90	Brazil
BRS Pelota	2000	Empasc 101/Cica 8	IR	105	Brazil
BRS Biguá	2001	BR-IRGA 410	IR	95	Brazil
BRS Jaburu	2001	Bluebelle/Pisari	IR	95	Brazil
BRS Jaburu	2001	PDR/P 3790//P 5746	IR	95	Brazil
Palmar INTA	-	Itape F.A./Bluebonnet 50	IR	-	Argentina
San Miguel INTA	-	Selection within Bluebelle	IR	-	Argentina
Jojutla	1956	-	IR	-	Mexico
Apikalo	1959	SML 80-5/SML 81A	IR	-	Suriname
Tapuripa	1959	SML 80-5/SML 81A	IR	-	Suriname
Alupi	1960	SML 77A/Dima	IR	-	Suriname
Nilo 1	1962	77-5-3-4//Bluebonnet 50/Mars	IR	-	El Salvador
Nilo 2	1962	SML 80-5/SML 81A	IR	-	El Salvador
Nilo 10	1962	SML 77A/Dima	IR	-	El Salvador
Napal	1963	Bluebonnet 50/Palmira 105	IR	-	Colombia
Matapi	1963	Lacrosse/Nickerie//Magali	IR	-	Suriname
Apura	1964	Apikalo/Venezuela 503	IR	-	Suriname
Oro	1964	-	IR	58	Chile
Fuerte A64	1964	Bluebonnet	IR	-	Mexico
Guasave A64	1964	50/Gulfrose//Bluebonnet 50	IR	-	Mexico
Mochis A64	1964	Bluebonnet	IR	-	Mexico
Sinaloa A64	1964	50/Gulfrose//Bluebonnet 50	IR	-	Mexico
Colombia 1	1964	Rexoro/Purple Leaf Sel "G"	IR	-	Mexico
Peru 65	1964	Edith/Fortuna	IR	-	Mexico
Temerin	1965	Napal/Takao Iku 18	IR	98	Colombia
Corerepe	1965	-	IR	-	Peru
ICA 10	1965	Lacrosse/Magali//Magali	IR	-	Suriname
Bachoco A67	1966	Rexoro/Purple Leaf //Bluebonnet 50	IR	-	Mexico
Kapuri	1967	BG79/B 572 ^A 1-6-5-3P//B 572A1-6-5-3P	IR	90	Colombia
Rios A67	1967	Bluebonnet 50*2/Jojutla Meiorada	IR	-	Mexico
Milagro Filipino	1967	Lacrosse/Nickerie//Magali	IR	-	Suriname
Sinaloa A68	1967	Zacatepec/Bluebonnet 50	IR	-	Mexico
	1968	Peta/Dee-Geo-Woo-Gen	IR	-	Mexico
	1968	Nahng Mon S4/Taichung Native 1	IR	-	Mexico

Variety	Year of Parents release		CS ^a	Flowering (days)	Country
Venus A68	1968	Delrex C.I. 83-20/CP231//Bluebonnet 50	IR	110	Mexico
Morelos A70	1970	-	IR	-	Mexico
Zapata A70	1970	-	IR	-	Mexico
Acorni	1971	Bluebelle/Magali//Magali	IR	-	Suriname
Apani	1971	Bluebelle/Magali*3	IR	-	Suriname
Awini	1971	Taichung Native/Apura*3	IR	-	Suriname
Cica 4	1971	IR 8/IR12-178-2-3	IR	-	Colombia
INIAP 2	1971	IR 8/Tadukan	IR	-	Ecuador
Grijalva A71	1971	Bluebonnet 50/Gulfrose//Bluebonnet 50*3	IR	-	Mexico
Nayar C71	1971	Nahng Mon S4/Taichung Native 1	IR	-	Mexico
Navolato A71	1971	IR 8/Tadukan	IR	98	Mexico
Naylamp	1971	IR 8/IR12-178-2-3	IR	-	Peru
Boewani	1972	Bluebelle/Alupi//77-5-3-4	IR	-	Suriname
Chancay	1972	IR 8/IR12-178-2-3	IR	92	Peru
Huallaga	1972	IR95-31-4/Leb Mue Nang 111	IR	-	Peru
INIAP 6	1972	IR 8/IR12-178-2-3	IR	100	Ecuador
Juma 57	1972	Nilo 1/IR 8	IR	110	D. Republic
Juma 58	1972	Toño Brea 91/IR 8	IR	115	D. Republic
Pisari	1972	-	IR	-	Suriname
San Lorenzo A72	1972	IR 8*2//CP-SLO*2/Nahng Mon S4	IR	-	Mexico
Sinaloa A72	1972	IR262-43-8-11*2/Khao Dawk Mali 105	IR	-	Mexico
Camponi	1974	SML 1010/Apura//IR 8	IR	100	Mexico
Ceysvoni	1974	SML 997/Awini	IR	88	Suriname
Cica 6	1974	IR930-2/IR822-432	IR	90	Colombia
Ciwini	1974	Boewani/Washabo	IR	95	Suriname
CR1113	1974	IR 8//Pankari 203/IR 8	IR	110	Costa Rica
Inti	1974	IR 8//Fortuna/Minagra	IR	102	Peru
Joachin A74	1974	Corerepe A66*3/TN1//IR160-27-4	IR	-	Mexico
Juchitan A74	1974	B 572-A3-47-15/B 589-A4-18-1	IR	100	Mexico
Piedras Negras	1974	IR262-43-8-11/Niiaw San Pahtawang	IR	-	Mexico
Bamoa A75	1975	IR262-43-8-11/Niiaw San Pahtawang	IR	98	Mexico
Diamante	1975	Agostano/P6///Blue Rose/RB2//Balila	IR	60	Chile
Macuspana A75	1975	Venus A68//Peta/Tangkai Rotan	IR	-	Mexico
Ñiquen	1975	Rexoro Red/Bozu//Oro	IR	-	Chile
Quella	1975	Rexoro Red 119-1-1/Bozu//Oro	IR	60	Chile
Cica 7	1976	IR 22//IR930-147-8/Colombia 1	IR	95	Colombia
Cica 9	1976	IR665-23-3-1/P 894	IR	92	Colombia
CR5272	1976	IR930-80/IR822-432	IR	100	Costa Rica

Variety	Year of release	Parents	CS ^a	Flowering (days)	Country
Diwani	1976	Washabo/IR454-1-17-1-1	IR	90	Suriname
INIAP 7	1976	Cica 4//IR665-23-3/Tetep	IR	100	Ecuador
Anayansi	1977	IR 8/Nilo 1	IR	-	Panama
Rustic	1977	(Precoz de Machiques-37)/(ZenithxD85-42)//Century Patna 231/SLO-17	IR	100	Guyana
Tikal 2	1977	IR930-2//IR822-43	IR	90	Guatemala
Araure 1	1978	IR930-147-13/Colombia 1	IR	102	Venezuela
Cica 8	1978	Cica 4//IR665/Tetep	IR	105	Colombia
Damaris	1978	IR 8/Nilo 1	IR	-	Panama
IR1529	1978	IR305-3-17-1-3//IR 24	IR	-	Cuba
Eloni	1979	Acorni//kapuri/IR454	IR	100	Suriname
INIAP 415	1979	P 738-137-4-1/P 723-6-3-1	IR	105	Ecuador
Campeche A80	1980	Grijalva A71*3/Tetep	UL	115	Mexico
Champton A80	1980	Grijalva A71*3/Carreño	UL	-	Mexico
CR-201	1980	IR 22//IR930-147-8/Colombia 1	IR	102	Costa Rica
Huastecas A80	1980	Sinaloa A68/Sinaloa A64	IR	-	Mexico
ICTA-Virginia	1980	Cica 4//IR665-23-3/Tetep	IR	105	Guatemala
Juma 51	1980	Toño Brea 91//IR 8	IR	110	D. Republic
Metica 1	1980	P 996/P 1000	IR	95	Colombia
Metica 2	1980	P 738-137-3-1/P 997	IR	-	Colombia
Sinaloa A80	1980	Sinaloa A68/Bluebonet 50	IR	105	Mexico
Tanioka	1980	Toño Brea 91//IR 8	IR	100	D. Republic
Cardenas A80	1981	C 4-63//Gow Ruang 88/Sigadis	IR	105	Mexico
ICTA-Tempisque	1981	P 761-40-2-1/P 881-19-14-10	IR	105	Guatemala
J-104	1981	IR430-5-9-2//IR930-16-1	IR	110	Cuba
Araure 2	1982	P 1221/P 1230	IR	112	Venezuela
Centa A-2	1982	P 761-40-2-1/P 881-19-14-10	IR	106	El Salvador
Culiacan A82	1982	Rexoro/Colusa	IR	-	Mexico
Hurangopampa	1982	-	IR	-	Peru
Oryzica 1	1982	P 1223/P 1225	IR	100	Colombia
Tallan	1982	Naylamp/Tetep//Naylamp	IR	-	Peru
Tucumen 5430	1982	-	IR	100	Panama
Viflor	1982	Naylamp/Tetep//Naylamp	IR	-	Peru
Morelos A83	1983	Jojutla mejorada/Naylamp	IR	117	Mexico
Araure 3	1984	IR 8//Peta*5/Belle Patna	IR	90	Venezuela
Araure 4	1984	Cica 7//Cica 8/Remadja	IR	102	Venezuela
Chiapas A84	1984	Y 3/R 2-111-1//M.L.E.	IR	97	Mexico
Yojoa 44	1984	Cica 4//IR665-23-3-1/Tetep	IR	-	Honduras
Oryzica 2	1984	BG90-2//Cica 8/Cica 7	IR	103	Colombia
PA 2	1984	Cica 4//Cica 8/Cica 7	IR	110	Peru
PA 3	1984	IR1702-74//IR1721-11//IR2055-481	IR	115	Peru
Amistad 82	1985	IR1529 ECIA/VNI IR3223	IR	88	Cuba
CR1821	1985	IR 22//IR930-147-8/Colombia 1	IR	110	Costa Rica
ICTA-Poloquic	1985	P 1223/P 1225	IR	98	Guatemala
Altamira 7	1986	Cica 4//Cica 8/Cica 7	IR	110	Nicaragua
Iniap 10	1986	Cica 4//Cica 9/Cica 7	IR	100	Ecuador

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Porvenir 86	1986	Cica 7//S 12-30/Cica 8	IR	-	Peru
San Martin 86	1986	Inti/P 792-2-2	IR	110	Peru
Juma 62	1986	IR1541-102-6-3//IR 20*4/ <i>Oryza nivara</i>	IR	100	D. Republic
Amazonas	1987	IR1721-14-6-4-3/Inti	IR	115	Peru
Apatzigan A87	1987	Cica 7//Cica 8/Pelita I-1	IR	-	Mexico
Centa A-4	1987	P 1223/P 1225	IR	105	El Salvador
Chetumal A86	1987	Navolato A71/Carreon//Grijalva A71/Tetep	IR	105	Mexico
Cuyamel 3820	1987	Cica 7//IR5533-13-1-1/Costa Rica	IR	-	Honduras
Guayquiraro P.A.	1987	IR224-54/H 99-20	IR	-	Argentina
Juma 61	1987	J 212/Cica 9	IR	100	D. Republic
Oryzica 3	1987	Cica 7//Cica 8/Pelita I-1	IR	105	Colombia
Palizada A86	1987	Navolato A71*3/Tetep	IR	110	Mexico
Panama 1048	1987	P 1221/P 1229	IR	105	Panama
Panama 1537	1987	Cica 7//S 12-30/P 901-22-11-5-3-2-1B	IR	105	Panama
Saavedra	1987	Nam Sagui 19/IR2071-88//IR2061-214-3-6-20	IR	105	Bolivia
San Pedro	1987	P 1220/P 1254	IR	-	Bolivia
Villaguay P.A.	1987	H 122F2/H 136F2	IR	80	Argentina
Alto Mayo 88	1988	P 2030-F4-2-17-4//P 3980	IR	117	Peru
Anabel	1988	BG90-2/Anayansi	IR	-	Panama
Cimarron	1988	Hebi G11330//Chianung Sen Yu 7//IR1561	IR	105	Venezuela
El Paso L-48	1988	Starbonnet/Bluebelle	IR	-	Uruguay
El Paso L-94	1988	Lebonnet/Bluebelle	IR	80	Uruguay
El Paso L-227	1988	C.I. 9902/Labelle	IR	-	Uruguay
Huimanguillo A-88	1988	P738-137-3-1/P 881-19-14-10//P 738-137-3-1/P 868B-24-5	IR	95	Mexico
ICTA-Montagua	1988	Oryzica 1//63-83/Camponi	IR	95	Guatemala
ICTA-Quirigua	1988	Cica 7//Cica 8/Pelita I-1	IR	105	Guatemala
Morelos A-88	1988	Iguala A-70/Tetep//Jojutla Mejorada/Iguala A-70	IR	-	Mexico
CEA 1	1989	BU1/CR115	IR	102	Paraguay
CEA 2	1989	P 1221/P 1260	IR	102	Paraguay
CEA 3	1989	IR 8/Sigadis	IR	102	Paraguay
Centa A-5	1989	P 1274-6-8M-1-3M-1/P 3118	IR	100	El Salvador
Iniap 11	1989	IR5657-33-2-1//IR2061-465-1-5-5	IR	94	Ecuador
Oryzica Llanos 4	1989	P 4568/P 5003	IR	95	Colombia
Oryzica Llanos 5	1989	P 5269/P 2060-F4-2-5-2	IR	100	Colombia
Palmar	1989	Cica 7//Cica 8/Pelita I-1	IR	100	Venezuela
Cardi 70	1990	P 3990/Metica 1	IR	100	Belize
Cotaxtla A90	1990	CR126-42-5//IR2061-213	IR	105	Mexico
Ferrini	1990	SML 77041-1/SML 77036-31//SML 7802-5	IR	-	Suriname

Variety	Year of release	Parents	CS ^a	Flowering (days)	Country
Guaymas 90	1990	P 2053-F4-26-4-6/P 3990	IR	-	Guyana
ICTA-Crispo 38	1990	IR 24*2/IR747B2-6-3	IR	90	Guatemala
IIAC 14	1990	CP1C8/ECIA 22-8-163	IR	-	Cuba
IIAC 15	1990	CP3C2/ECIA 13-31-1//CP1C8/CE 4-10-1	IR	105	Cuba
Juma 63	1990	J 212/Mingolo	IR	110	D. Republic
Juma 64	1990	Oryzica 1/P 3567	IR	110	D. Republic
Perla	1990	-	IR	90	Cuba
Sureste A90	1990	IR9538/IR9575	IR	100	Mexico
Altamira 9	1991	Oryzica 1/P 3567	IR	115	Nicaragua
Altamira 10	1991	P 2053-F4-26-4-6//P 3990	IR	-	Nicaragua
Buli-INIA	1991	Lemont/Quilla 66304//Diamante	IR	65	Chile
Comedero A91	1991	Sinaloa A80/ITA 231//Navolato A71	IR	-	Mexico
Guyana 91	1991	IR21841-81-3-3-2/Ceysvoni//IR21848-65-3-2	IR	-	Guyana
Jalapa 1	1991	Cica 7//Cica 8/Pelita I-1	IR	-	Nicaragua
Loma Bonita A91	1991	Cica 8//BG90-2/Cica 4	IR	108	Mexico
Oryzica Sabana 6	1991	CT6491/IIAC 47	UL	-	Colombia
Costa Norte	1992	Inti//IR8460-120-2-2	IR	100	Peru
CR8341	1992	Cica 7/P 1908	IR	-	Costa Rica
Humaya A-92	1992	Sinaloa A80/ITA 231//IR 8	IR	95	Mexico
Oryzica Turipana 7	1992	P 4971/P 5004	UL	103	Colombia
Perla Indus	1992	-	IR	65	Chile
Sican	1992	Inti/PNA 386-F4-341-1	IR	100	Peru
Capi 93	1993	P 5560/P 2057-F4-88-3-1	IR	-	Honduras
Fonaiap 1	1993	P 1386-6-8M-1-3M-1/P 3767	IR	105	Venezuela
Fonaiap 2	1993	P 5269/P 2060-F4-2-52	IR	110	Venezuela
INIA Tacuari	1993	Nwbt/Nrx L9	IR	83	Uruguay
INIA Yermal	1993	L 58/Bluebelle	IR	83	Uruguay
Oryzica Caribe 8	1993	P 1274-6-8M-1-3M-1/P 4205	IR	105	Colombia
Panama 3621	1993	Metica 1//Suakoko 8/Ceysvoni	IR	110	Panama
Panama 4721	1993	BG90-2//Anayansi//Cica 7	IR	110	Panama
Sacia-1 (Tacu)	1993	TOx 1010-45-1/Col 1 x M312A-74-2-8-8	IR	92	Bolivia
Sacia-2 (Tari)	1993	IR1529-430/VNI IR3223	IR	95	Bolivia
CEA 4 – Punta	1994	Jayant/IET 3144	IR	-	Paraguay
CR-751	1994	P 5555/P 4179	IR	-	Costa Rica
INIAP 12	1994	CT7347/IR21015-72-3-3-3-1	IR	96	Ecuador
Oryza Yacu 9	1994	CT8774/CT5746-18-11-2-2-2X	IR	110	Colombia
Sacia-3 (Tutuma)	1994	P 5607/RHS 107-2-1-2TB-1JM	IR	95	Bolivia
Sacia-4 (Jisunu)	1994	Ngovie//IRAT 124//Col 1 x M312A	IR	100	Bolivia
Selecta 3-20	1994	Sinaloa A80/ITA 231//IR8/ECIA 50 GF4-S3///Linea 2/ECIA 323F3-12-S1	IR	110	Colombia
Tolima	1994	P 5269/P 2060-F4-2-5-2	IR	-	Guyana

Variety	Year of release	Parents	CS ^a	Flowering (days)	Country
Altamira 11	1995	J 104//J 104/Cica 8	IR	-	Nicaragua
Altamira 12	1995	CE4-10-1/Colombia 1	IR	-	Nicaragua
Capirona	1995	Tox 1766-4-B-201-1B/P 1274-6-8M-1-3M-1//P 3084-F4-56-2-2	IR	-	Peru
Centa A-6	1995	CT7347/IR21015-72-3-3-3-1	IR	-	El Salvador
Huallaga-INIA	1995	CT7347/IR21015-72-3-3-3-1	IR	130	Peru
IA Cuba 20	1995	ICA 10/ECIA 31-104-2-1-4	IR	-	Cuba
IA Cuba 21	1995	-	IR	-	Cuba
IA Cuba 23	1995	Mutant of J-104	IR	-	Cuba
IA Cuba 25	1995	Somaclones of Amistad 82	IR	-	Cuba
ICTA-Pazos	1995	CT7347/IR21015-72-3-3-3-1	IR	-	Guatemala
INIA Caraguata	1995	L38//L75 Beamount/Texas 23	IR	-	Uruguay
Oryzica Sabana 10	1995	P 5607/RHS 107-2-1-2TB-1JM	UL	-	Colombia
Porvenir-95 INIA	1995	P 5269/P 2060-F4-2-5-2	IR	110	Peru
Selva Alta	1995	CT7347/IR21015-72-3-3-3-1	IR	110	Peru
Uqui Hua	1995	P 5268/Campeche A80	IR	-	Peru
ICTA-Colomgua	1996	P 4278-F2-80-4-1X/TOx 1768-1-2-1//P 3059-F4-79-1-1B	IR	-	Guatemala
ICTA-Izabal	1996	CT10730/CT6947	IR	-	Guatemala
IDIAP T4-70	1996	BG90-2/Anayansi//Cica 7	IR	-	Panama
Sacia-5 (Urupe)	1996	IR46/IRAT 120//P 1274-6-8M-1-3M-1	IR	-	Bolivia
Anar 97	1997	PDR 34-2-1-2/P 3790-F4-6-1-1X//CT5746-18-11-2-2-2X	IR	-	Nicaragua
Coprosem-1	1997	P3059-F4-11M-2P-1B/IR21015-72-3-3-3-1//P 5413-8-3-5-11-2X	IR	-	Colombia
BR 444	1998	IR43//P 2887-F4-9-4/IR21015-72-3-3-3-1	IR	-	Guyana
Fedearroz 50	1998	Oryzica Llanos 4/P 1274-6-8M-1-3M-1	IR	-	Colombia
Jasaye	1998	IRAT 13/Palawan 37-1	UL	95	Bolivia
Universidad 3189	1998	P 3050-F4-52/Oryzica 1//IR21015-72-3-3-3-1	IR	-	Panama
D-Primera	2001	-	IR	115	Venezuela
Fedearroz 2000	2000	P 3084-F4-56-2-2/P 3844-F3-19-1-1B-1X//CT8154-1-9-2	IR	-	Colombia
Fonaiap 2000	2000	P 5446-6-3-2/CT5690-3-19-2//P 3059-F4-79-1-1B	IR	75	Venezuela
Fundarroz PN 1	2000	P 3084-F4-56-2-2/ITA 306//CT8154-1-9-2	IR	-	Venezuela
Fundarroz PN 1	2000	P 3084-F4-56-2-2/ITA 306//CT8154-1-9-2	IR	-	Venezuela
INIAP 14	2000	-	IR	-	Ecuador
Zeta 15	2000	CT7347/IR21015-72-3-3-3-1	IR	-	Venezuela

^a CS = cropping system (UL = upland; IR = irrigated).

APPENDIX 2

Statewise list of varieties released in India, 1970-2000

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
CVRC					
Aditya	M 63-83/Cauvery	1989	70	RUP	LB
Ajaya	IET 4141/CR 98-7216	1992	105	IRM	LB
Akashi	IR 8/N 22	1975	80	IRE	SB
Amulya	Pure line selection Najani	1988	140	SDW	LS
Anamica	MNP 36/CR 12	1980	115	RSL	LB
Cauvery	TN(I)/TKM 6	1970	84	IRE	SB
CR 1002	CR 70-80-2/PANKAJ	1992	115	RSL	SB
CSR 10	M40-431-24-114/Jaya	1989	95	IRSA	SB
CSR 13	CSRI/Basmati 370//CSR 5	1999	95	IRSA	LS
CSR 27	Nona Bokra/IR 5657-33-2	1999	110	IRSA	LB
CST 7-1	Damodar/IR 24	1991	115	IRSA	LB
Dharitri	Pankaj/Jagannath	1988	120	RSL	SB
Govind	IR 20/IR 24	1989	75	RUP	LS
Haryana Basmati	Sona/Basmati 370	1991	110	IRM	LS
Heera	CR 404-48/CR 289-1208	1991	45	RUP	LB
IR 20	IR 262-24-3/TKM 6	1970	105	IRM	MS
IR 36	IR1561-228-1-2/IR1737//CR 94-13	1981	84	IRE	LS
IR 64	IR 5657-33-2-1/IR 2061-465- 1-5-5	1992	84	IRE	LS
IR 8	Peta/Dee-Geo-Woo-Gen	1966	105	IRM	LB
Jawahar Rice 3-45	IR 36/Lohandi	1997	70	RUP	LB
Jaya	TN1/T141	1968	100	IRM	LB
Jitendra	Selection from landraces	1994	135	DW	LS
Kasturi	Basmati 370/CRR 88-17-1-5	1989	100	SCR	LS
Lunishree	NONASAL MUTANT	1992	115	IRSA	LS
Mahamaya	Asha/Kranti	1995	100	IRM	LB
Manasarovar	RP 31-49-2/Leb Muey Nahng	1983	120	RSL	SB
Nalini	Pure line selection Sindhur Mukhi	1989	140	SDW	MB
Narendra 97	N 22/Ratna	1992	70	RUP	LS
Narendradhan 359	BG 90-2-4/OBS 677	1993	100	IRM	SB
Nidhi	Sona/IET 14529	1996	84	IRE	LS
PA 103 (6201)	6CO2/6MO1	2000	100	IRM	SB
Pankaj (IR 5-114-3-1)	Peta/Tongkai Rotan	1969	115	RSL	LB
PNR 381	T 33 Mutant/Basmati 370	1992	65	RUP	LS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
Pooja	Vijaya/T 141	1999	115	RSL	MS
Pranava	Vikram/Benong 111	1988	120	RSL	LB
Purnendu	Patnai 23/Jaladhi 2	1994	160	SDW	LS
Pusa 169	IR 28/Pusa 140-56	1986	84	IRE	LS
Pusa 2-21	IR 8262/TKM 6	1970	95	IRM	MS
Pusa 44-33	IARI 5901-2/IR 8	1993	87	IRME	LS
Pusa 677-5-103-2-9	TKM -9/P.312	1997	84	IRE	LB
Pusa 834	IR 50/PP 33 BP	1995	84	IRE	LB
Pusa Basmati	Pusa 150/Karnal Local	1989	105	SCR	LS
Pusa205	IR 28/Pusa 33-18	1986	84	IRE	LS
Rasi	TN1/Co.29	1977	84	IRE	MS
Ratna	TKM 6/IR 8	1970	84	IRE	LS
Salivanana	RP 5-32/PANKAJ	1988	128	RSL	SB
Sasyasree	TKM 6/IR 8	1979	95	IRM	LS
Sattari	NSJ 200/Padma mutant	1983	40	RUP	SB
Savithri	Pankaj/Jagannath	1983	120	RSL	SB
Shaktiman	CR 94-1512-6/Pusa 2-21	1990	84	IRE	SB
Suraksha	Sasyasree/CR 57-MR 1523	1988	103	IRM	LB
Swarnadhan	RPW 6-13Sona	1979	125	RSL	SB
Triguna	Swarnadhan/RP 1579-37	1997	98	IRM	LS
Tulasi	Rasi/Fine Gora	1988	70	RUP	LS
Vikas	TKM 6/IR 8	1983	84	IRE	MS
Vivekdhan 62	China 4/BG367-4	2000	90	HRIR	SB
VL Dhan 221	IR 2053-521-1-1-1/CH 1039	1991	85	HRUR	MS
VL Dhan 61	Jaya/Tapoo-cho-Z	1998	100	HRIR	LB
VL Dhan 81	CH 988/HPU 741	1999	100	HRIR	LB
Andhra Pradesh					
Abhaya	CR 157-392/OR 57-21	1989	84	IRE	MS
APHR 2	IR 62829 A/MTU 9992 (R)	1994	95	IRM	LS
APHR-1	IR 58025 A/Vatram (R)	1994	95	IRM	LS
Badava	Mahsuri/Vijaya	1982	135	SDW	MS
Mahsuri					
Bhadrakali	Phalguna/IR 36	1994	105	IRM	LS
Bharani	IR 36/IET 2508	1997	125	IRM	MS
Chaitanya	Soubhagya/ARC 5984	1988	120	RSL	MS
Chandana	Sona/Manoharsali	1989	120	RSL	LS
Cottondora	Krishnaveni/IR 64	2000	120	IRM	LS
Sannalu					
Deepti	Sowbhagya/ARC 6650	2000	120	IRM	MS
Dhanya	Sabarmati/W 12708	1982	84	IRE	LS
Lakshmi					
Divya	WGL 23022/Surekha	1989	105	IRM	MS
DRR H1	IR 58025/IR 40750 R	1997	100	IRM	LS
Early Samba	Mutant of BPT 5204	2000	105	IRM	MS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
Erramallelu	BC 5-55/W 12708	1991	84	IRE	LS
Gautami	IR 8/SL013	1976	120	RSL	LS
Gutti Akkullu (C3282)	T 945/MTU-1	1969	110	RSL	LB
Hari	IR 8/TR 5	1988	100	IRM	MS
Indursamba	BPT 5204/Surekha	1997	125	RSL	MS
Kakatiya	IR 8/W1263	1974	95	IRME	LS
Kavya	WGL 27120/WGL 7672//Mahsuri/Surekha	1991	100	IRM	LS
Kesava	WGL 28712/IR 36-1996	1997	125	RSL	LS
Kotha	BAM 3/IR 20	1982	130	RSL	MS
Bayyahunda (AKP7073)					
Kothamolago- lukulu	Bulk HG 9/Millek Kuening	1982	130	RSL	SB
Kothamolago- lukulu	Bulk H 9/Millek Kuening	1979	130	RSL	SB
Krishna Hamsa	Rasi/Fine Gora	1997	90	IRME	LS
Krishnaveni	Sowbhagya/ARC 5984	1989	120	RSL	MS
Lakshmi	Sabarmati/W 12708	1982	84	IRE	LS
Mahendra	BAM 3/TN (1)	1986	120	RSL	LS
Mahsuri	Mayang Ebos 80/2/Taichung 65	1972	120	RSL	MS
Maruteru Sannalu	Pureline sel. Oodasannalu	2000	75	RUP	LS
MTU 9993	Rasi/Fine Gora	1993	75	RUP	LS
Nagarjuna	Sona/Manoharsali	1988	120	RSL	LS
Nagavali (RGL 52)	RGL 1/IR 8	1982	130	RSL	MS
Nandi	Sowbhagya/ARC 6650	1991	120	RSL	MS
Narsing	TN1/CO29	1972	95	IRME	SB
Oragallu	OBS 677/IR 2070-423-2-5	1993	125	RSL	LS
Penna (NLR 33365)	NLR 9672/IR 36	1997	130	RSL	SB
Phalguna	IR 8/Siam 29	1977	115	RSL	LS
Pinakini	Bulk H 9/Millek Kuening	1987	130	RSL	MS
Pothana	IR 579/WGL 12708	1988	84	IRE	LS
Prabhat	IR 8/MTU 3	1976	102	IRM	LB
Prasanna	IRAT 8/N 22	1986	75	RUP	LS
Pratibha	Saubhagya/ARC 6650	1986	120	RSL	LS
Pushkala	IR 28/TellaHamsa	1986	75	IRE	LS
Rajavadlu	Rajendra/IR 30	1993	105	IRM	LS
Rajendra	IJ 52/TN 1	1976	75	RUP	MS
Ravi	M 63-83//RP 79-5/Rikotu Norin 21	1989	75	RUP	MS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
Rudramma	HR 19/TN1	1991	75	RUP	LB
Sagarsamba	IR 8/Siam 29//IR 8/PTB 21	1993	120	RSL	MS
Saleem	GEB 24/Sigadis/IR 8/RNR 8102	1987	105	IRM	LS
Samba Mahsuri	GEB 24/TN1/Mahsuri	1986	120	RSL	MS
Satya	Tella Hamsa/Rasi	1987	80	IRE	LS
Seshu	T 141/IR 24	1985	84	IRE	LS
Simhapuri	RP 5-32/Bulk H9	1991	130	RSL	SB
Siva	Phalguna/IR 50	1997	130	RSL	LS
Somasila	Reselection from IR 50	2000	75	RUP	LS
Sona Mahsuri	Sona/Mahsuri	1982	115	RSL	MS
Sonasali	Sona/Manoharsali	1986	105	IRM	LS
Sowbhagya	Mahsuri/Vijaya	1982	130	RSL	MS
Sravani	Reselection from IR 50	1997	120	IRE	LS
Srikakulam Sannalu	CRT -145-CR 1014	1997	13	RSL	MS
Srinivas	IR 8/Latisail	1985	130	IRE	LS
Sriranga	RP 5-32/Mahsuri	1991	130	RSL	MS
Surekha	IR 8/Siam 29	1976	104	IRM	LS
Surya	Sona Mahsuri/ARC 6650	2000	130	RSL	LS
Swarna	Vasishtha/Mahsuri	1982	125	RSL	MS
Swarnamukhi	Cica/IR 625-23-3-1//Tetep	1991	100	IRM	LS
Swathi	Reselection from IR 50	1997	125	RSL	LS
Tellahamsa	HR 12/TN1	1971	84	IRE	MS
Tikkana	RP 31-49-2/BCP 2	1988	120	RSL	SB
Vajram	MTU 4569/ARC 6650	1986	120	RSL	LS
Vamshi	BAM 3/TN(1)	1986	105	IRM	LS
Varsha	IR 50/Mahsuri	1993	84	IRE	MS
Vasista	IR 8/SL013	1976	120	RSL	LS
Vasundhara	Phalguna/IET 6858	1997	130	RSL	LS
Vedagiri	NLR 9672-96/Iet7230	2000	120	RSL	MS
Vibhava	CR 4435/W 2708	1989	105	IRM	MS
Vijaya Mahsuri	Mahsuri/Vijaya	1982	115	RSL	MS
Vijetha	MTU 5249/MTU 7014	1995	110	IRM	MS
Vikramarya	RPW 6-13/PTB 2	1986	105	IRM	LB
Assam					
Bahadur	Pankaj/Mahsuri	1991	125	RSL	MS
Basundhara	IET 9711/IET 11161	1998	120	RSL	MS
Bhogali	Ghewbora/KMJ 1-52-2	1990	125	RSL	LS
Chilarai	IR 24/CR 44-118-1	1987	95	IRME	LS
Jayamati	Jaya/Mahsuri	1998	120	RSL	LB
Kapilee	Heera/Annada	1993	70	RUP	LB
Ketekijoha	Savithri/Bhashabhog	1998	120	RSL	MS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
KMJ 1-17-2	IR 8/Manoharsali	1978	110	RSL	MS
KMJ 1-19-1	IR 8/Manoharsali	1978	100	IRM	MS
Kushal	Pankaj/Mahsuri	1991	128	RSL	LB
Lachit	CRM 13-3241/Kalinga III	1987	95	IRME	LB
Lakshmi	RP 31/49-2/Patnai 23	1991	120	RSL	LS
Luit	Heera/Annada	1998	65	RUP	LB
Madhab	IR 8/CH 63	1977	100	IRM	SB
Maniram	Pankaj/Mahsuri	1991	125	RSL	MS
Latisail/Gauchari		1968	130	RSL	LS
Padmanth	Pankaj/Jaganath/Nagubha	1998	131	DW	LB
Pamindra	Pankaj/Naguba	1998	120	RSL	MB
Piolee	Pankaj/Mahsuri	1991	130	RSL	MS
Rangilee	Ghew Bora/KMJ 1-52-2	1990	130	RSL	LB
Ranjit	Pankaj/Mahsuri	1991	130	RSL	MS
Rongdoi	Prasadbhog/IR 8	1981	100	IRM	MS
Satyaranjan	IET 9711/IET 11162	1998	120	RSL	MS
Bihar					
Archana (no. 9156)	IR 8/Tadukan	1972	75	RUP	LS
Barahavarodhi	Madhukar/Sona	1995	145	SDW	LS
Birsadhan 103	Fine Gora/IET 2832	1992	75	RUP	LB
Birsadhan 104	Fine Gora/IET 2832	1992	60	RUP	LB
Birsadhan 105	Fine Gora/IET 2832	1995	60	RUP	SB
Birsadhan 106	Bala/Black Gora//OS 36/CH.1039	1995	75	RUP	SB
Birsadhan 107	Gora mutant/IAC 125	1995	90	IRME	SB
Birsadhan 201	TN 1/Brown Gora	1985	65	RUP	LB
Birsadhan 202	Jaya/BR 34	1985	75	RUP	LB
Birsadhan 202	Jaya/BR 39	1995	98	IRM	LB
Birsagora 102 (T)	Pure line sel. from Gora	1992	75	RUP	LB
Deepa (No. 9157)	IR 8/Tadukan	1972	75	RUP	LS
Gautam	Rasi mutant	1995	95	IRME	MS
Janaki (T)	Sel. from Chenab Rice	1983	135	SDW	LB
Jayashri	Jaya/Mahsuri	1981	120	RSL	MS
Kamini (SBR 80- 643-14-1-1)	Pureline Katarni Rice	1991	105	IRM	MS
Kanak	Jaya/BR 34	1987	110	RSL	LS
Kanchan	IR 8/N 22	1976	70	RUP	SB
Kiran	TN1/N22//T90/IR 8	1976	90	IRME	SB
Mahsuri	Taichung 65/2 Mayang Ebos 80/2	1971	115	RSL	MS
Panidhan 2 (CR 260-30)	(Peta/TN1)/Lebmuey Nahng	1972	115	RSL	MS
Panidhan-1	(Peta/TN1)/Lebmuey Nahng	1972	110	RSL	MS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
Prabhat (MTU 3626)	IR 2033-531-1/IR261-264-2//IR 36	1994	55	RUP	MS
Prahlad (CR44-35)	TKM 6/IR 8	1972	84	IRE	LS
Radha (BR 51-91-6)	IR 20/IR 5-114-3	1984	115	RSL	MS
Rajasree (T) (TCA 80-4)	Pure line selection	1987	115	RSL	MS
Rajendradhan 201 (IR 579-97-2-2)	IR 8/Tadukan	1978	105	IRM	MS
Rajendradhan 202	IR 8/W 1251	1978	95	IRM	LS
Shakuntala	Pankaj/BR 8	1995	120	RSL	LS
Sita (IR 930-67-2-2)	IR 12-178-2-3 IR 8	1972	105	IRM	LS
Sudha (T) (TCA 72)	Pure line selection	1987	140	DW	LS
Sugandha (T)	Pure line sel. from Cuttack Basmati	1983	110	SCR	MS
Sujatha (BG 90-2)	Peta/TN1//Remadha	1984	105	IRM	LS
Turant Dan	Sattari/Rasi	1995	75	RUP	MB
Vaidehi (T)	Pure line sel. from Beldar (TCA 48)	1995	135	SDW	LB
Vandana	C 22//Kalakari	1992	65	RUP	LB
Vishnu (C8481)	TN 1/CO 29	1972	75	RUP	MS
GOA					
Goa 1	MTU 15/Waikoku	1997	75	RUP	SB
Gujarat					
Ambica	SKL 47-8 reselection	1991	100	IRM	LS
GAUR 1	Zinnia 31/IR 9-60	1973	90	IRME	SB
GAUR 10	Zinnia 31/IR 9-60	1973	95	IRME	LS
GAUR 100	Zinnia 31/IR 8-246	1973	96	IRM	MS
GR 101	IR 8/Pankhari 203	1984	100	IRM	LS
GR 102	IR 8/Pankhari 203	1986	105	IRM	LS
GR 103	GR 11/Mahsuri	1991	95	IRM	MS
GR 11	Zinnia 31/IR 8-246	1977	95	IRM	MS
GR 2	IR 8/Kada 176-12	1976	80	IRE	LB
GR 3	N 19/IR 60	1977	70	RUP	LS
GR 4 (Sel. 118-1-5)	Zinnia 31/IR 8-246	1981	90	IRME	LS
GR 5	Local selection from CR 319-344	1991	60	RUP	LS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
GR 6	GR 3/Pusa 33	1991	90	IRME	MS
Gurjari	Asha/Kranti	1998	120	IRM	LB
IR 22 (IR 579-60-2)	IR 8/Tadukan	1975	105	IRM	LS
IR 28 (IR 2061-214-3--8-2)	IR 833-6-1-1-1//IR 1561-49-1//IR 1737	1975	95	IRME	MS
IR 579 (IR 579-48-1-2)	IR 8/Tadukan	1975	95	HRIR	LS
Kasturi	Bas. 370/CR 88-17-1-5	1995	100	SCR	LS
Kolhapur	Local sel.	1971	100	IRM	MS
Narmada	TN 1/Basmati 370	1991	105	IRM	LS
SLR 51214	Vijaya/PTB 21	1984	90	IRME	LB
T 3 (T)	Selection Local Type 3	1973	115	SCR	LS
VL Dhan 121	IR 2053-521-1-1-70-75-1/CH 1039	1995	75	HRIR	MB
Haryana					
CSR 10	M40-431-24-114/Jaya	1989	95	IRSA	SB
Damodar (CSR 5)	TKM 6/IR 8	1979	95	IRSA	MS
Haryana Basmati	Sona/Basmati 370	1991	100	SCR	LS
HKR 46	RP 6-516-316/Pusa 33	1999	135	IRM	LS
HKR 120	PTB 33//IR 3403-267-1	1987	105	IRM	LS
HKR 126	Namsagui19//IR 4215-301-2-2-6//IR 5853-162-1-2-3	1992	100	IRM	LS
Sabarmati/Ratna		1982	90	SCR	LS
Taraori Basmati	Pure line sel. from Local Basmati	1996	105	SCR	LS
Himachal Pradesh					
Himadhan	R 575/TN 1	1978	105	HRIR	SB
Himalaya 1	IR 8/Tadukan	1982	95	HRIR	LB
Himalaya 2 (Pusa 33-C-30)	Imp. Sabarmati/Ratna	1982	95	HRIR	LS
Himalaya 2216	IR 8//IR 2053-521-1-1//R 36	1994	95	HRIR	LS
Himalaya 741	CR 126-42-5//IR 2061-213	1986	80	HRIR	LS
Himalaya 799	IR 28/Shensi var.//IR 28	1992	95	HRIR	LB
Nagardhan	CHING.SAI.25	1992	110	HRIR	LB
PNR 519	Tainan 3 Mutant/Basmati 370//PNR 417-3	2000	75	RUP	LS
RP 2421	Rasi/Kathawar	1994	95	HRIR	MS
RP 732	RP 107-13/Sona	1992	95	HRIR	LB

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
Jamuu & Kashmir					
Chenab	K 21-9-10-1/SR 2053-521-1-2	1994	85	HRIR	LB
Giza 14	Sel. from Giza 14	1965	85	HRIR	SB
Jhelum	Jinoku/IET 4444	1994	88	HRIR	SB
K 84	Indica mutant of T 65	1967	75	HRIR	SB
K78-13	Shinei/CH. 971	1978	90	HRIR	SB
PC 19-13 (TAWI)	Sec. sel. from IR 8/ IR 127-2-2	1978	80	HRIR	SB
Ranabhir Basmati	Selection from Basmati 370-90-95	1994	95	SCR	LS
Karnataka					
Abilash	CR 63-6218/ Pankaj	1985	125	RSL	MB
Akash	Jaya/Mahsuri	1994	105	IRM	LB
Amrut (IET 7991)	M 63/83/RP 79-5/R.N 21	1993	75	RUP	LB
Avinash (Gama 318)	Bangwan/Hatsuisiki	1985	110	RSL	MB
Hemavathi	Int. from Bangladesh	2000	132	DW	MS
Hemavati	DWR 4107	1993	135	SDW	MS
IET 7191	RP 5-32/Pankaj	1987	117	RSL	MB
IET 7564	IRAT/N 22	1994	65	RUP	LS
IET 7575	Sona/Manoharsali	1988	135	IRM	LS
IET 8116	Vikram/Andersali	1998	100	IRM	LB
Intan	Introduction for Indonesia	1975	135	RSL	LS
IR 30864	IR 17-18/IR 7801-1-2-1// IR 46/Khaola	1991	75	RUP	LS
Karna	Jaya/W 1263	1986	105	IRM	LB
KHP 5	INTAN/IET 7191	2000	125	IRM	MB
KPH 2 (IR 1078)	BG 90/2 IR 2863-38-1	1990	100	IRM	MS
KPRH 2	IR 58025A/KMR 3A	1996	103	IRM	LB
KRH 1	IR 58025A/IR 9761	1994	95	IRM	LS
Kusuma	Bas./TN(1)	1969	90	IRME	MS
Madhu (MR 136)	TN (1)/TKM 6	1972	90	IRE	MS
Mahaveera	IET 2885/Red Annapurna	1985	80	IRE	MS
Mandya Vani	CR 1014/IR 8 (Sec. sel.)	1982	100	IRM	MS
Mandya Vijaya	Sona/Mahsuri	1986	115	RSL	MS
Mangala	Jaya/S 317	1975	80	IRE	MS
Manila Paddy	Peta/BPI 76	1970	90	IRE	MS
Mukti	S.I Renah Mehrah/IR 2153	1990	95	IRM	MS
Netravathi	IR 2886/Annapurna	1990	110	RSL	MS
Pragathi	Jaya/S 317	1975	100	IRM	MS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
Prakash	T 90/IR 8	1977	105	IRM	LS
Pushpa (MR 301)	Jaya/Bangaru Thegalu	1976	95	IRM	LS
Red Annapurna	IR 8/PTB 10	1977	85	IRE	SB
Suma	TN(1)/TKM 6	1969	85	IRE	MS
Vikram	IR 8/SIAM 29	1974	100	IRM	LB
Kerala					
Aiswarya	Jyothi/BR 51-46-1	1992	84	IRE	LB
Annapurna (Cul. 28)	PTB 10/TN1	1966	70	IRE	SB
Aruna	Jaya/PTB 33	1989	80	IRE	SB
Aswathy	PTB 10/Dee-Geo-Woo-Gen	1971	80	IRE	LB
Athira (PTB 51)	BR 51-46-1/C. 2332-2-2	1992	95	IRM	SB
Bhadra (M 11-57-51)	IR 8/PTB 20	1979	105	IRM	MB
Bhagya (Kayamkulam 2)	Tadukan/Jaya	1986	80	IRE	SB
Bharathi (PTB 41)	PTB 10/IR 8	1972	90	IRE	LB
Jayathi (PTB 46)	Triveni/IR 2061	1990	100	IRM	MB
Jyothi (PTB 39)	PTB 10/IR 8	1972	85	IRE	LB
Kairali (PTB 49)	IR 36/Jyothi	1992	84	IRE	LB
Kanakam	IR 1561/PTB 33	1989	100	IRM	LS
Kanchana (PTB 50)	IR 36/Pavizham	1992	80	IRE	LB
Karishma	MO 1/MO6	1998	105	IRM	MB
Kartika	Triveni/IR 1539	1989	80	IRE	LB
Kayamkulam. 1 (Cul.31-1)	Kottarakara-1/Poduvi	1980	135	RSL	LB
Krishna anjana	MO 1/MO6	1998	105	IRM	MB
Makom	ARC 6650/Jaya	1989	80	IRE	SB
Mata Triveni (PTB 45)	Reselection from Triveni	1990	80	IRE	SB
MO 5	IR 11-1-66/Kochuvithu	1980	95	IRM	SB
Neeraja	IR 20/IR 5	1990	115	RSL	MS
Nila (PTB 48)	Triveni/Vellathi Kalappala// CO 25	1992	100	RSL	SB
Onam	Kechuvithu/TN 1//Tricveni	1986	85	IRM	SB

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
Panchami	Pothana/MO 5	1998	100	IRM	MB
Pavithra	Surekha/MO 5	1998	100	IRM	MB
Pavizham	IR 8/Karivennel	1982	95	IRM	SB
Ranjani	MO 5/Imp. Sona	1996	84	IRE	LB
Rasmi	Oorapandy mutant	1986	120	RSL	SB
Remanica	Mutant of MO 1	1998	100	IRM	SB
Remya	Jaya/PTB 33	1989	84	IRE	SB
Revathy	Culture 12814/MO 6	1998	105	IRM	MB
Rohini (PTB 36)	PTB 10/IR 8	1971	70	IRE	LB
Sabari (PTB 40)	IR 8/Annapurna	1972	100	IRM	LB
Suvarnamodan (ARC 11775)	ARC 11775 Pure line sel.	1976	75	RUP	MS
Swarnaprabha	Bhavani/Triveni	1986	80	IRE	MB
Triveni	Annapurna/PTB 15	1970	70	IRE	LB
Uma	MO 6/Pokkali	1998	100	IRM	MB
Vytilla 2 (Cul. 174)	Pure line sel. from Cheruvippu	1980	95	IRM	LB
Vytilla 3	Vytilla 1/TN 1	1987	84	IRE	MB
Madhya Pradesh					
Annapurna	IR 8/SLO 16	1972	75	RUP	MS
Garima	Cross 4/TN1	1977	75	RUP	LB
Jagruthi	Rikku 132/R 4	1976	75	RUP	SB
JR 75	IR 20/L-14// BSJ 205	1984	60	RUP	MS
Kranthi	Cross 116/IR 8	1976	84	IRE	SB
Madhuri	Jaya/R 11	1980	84	IRE	LS
Mahamaya	Asha/Kranthi	1994	100	IRM	LB
Patel 85	Selection from IR 8	1981	105	IRM	LB
Poorva	CR 44-35/JR 2-331	1981	60	RUP	LS
Praghathi	TN1/Laugi 70	1976	75	RUP	LS
R 281-PP- 31-1	-	1996	100	IRM	LB
Radhe	IR 36/IR 2053-541	1990	84	IRE	LS
Ruchi	R 1924/RP 9-4	1988	100	IRM	LB
Safri 17 (T)	Selection from Safri	1984	115	RSL	LS
Shyamala	R 60-2712/R 2389	1995	110	RSL	LB
Maharashtra					
ACK 5	Dodga 6-2-2/IR 8	1986	95	IRM	SB
Ambika	MAU Sel. 1	1984	88	IRE	LS
HMT Sona	Local selection	2000	106	IRM	MS
IGP 1-37 (Darana)	Late Kolpi 248/ IR 8	1980	110	RSL	LB
Imp. Ambemohar	Local selection	1978	75	RUP	MS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
Indrayani	Ambemohar 157/IR 8	1987	102	IRM	LS
Jalgoan 5	Local selection	1978	85	IRE	LS
Karjat 1 (KJT 24)	Holamaldiga/IR 36	1985	75	IRE	SB
Karjat 184	TN1/Kolamba 540	1971	80	IRE	LS
Karjat 2	Phalguna/Prakash	1994	105	IRM	LS
Karjat 3	IR 36/Karjat 35-3	1994	85	SCR	SB
Karjat4	IR 22/Zinia 63	2000	85	IRE	SS
Kundalika	Ratnagiri 24/IET 3228	1989	95	IRM	LS
Palghar 1	IR 22/PLG 141-1	1988	100	IRM	MS
Palghar 60	Zinnia 31/IR 8	1971	90	IRE	MS
Panvel 1	IR 8/BR 4-10	1984	95	IRSA	SB
Panvel 2	BR 4-10/IR 8	1987	90	IRM	LS
Panvel 3	Damodar/Pankaj	2000	100	IRSA	LB
Pawana	IR 8/ Pusa 33	1988	90	IRE	LS
Phule Mawal	Pavana/Indrayani	2000	95	IRM	LB
Pondaghat 1	RP 4-14/R 711	2000	90	IRM	LS
Prabhavati	Mutant of local Ambemohar	1984	85	IRE	MS
Radhangiri 185-2	Halwasal 17/TN(1)	1975	85	IRE	LS
Ratnagiri 73-1	RTN 23/KTJ 87-2	1979	70	IRE	LB
Ratnagiri 1	IR 8/RTN 24	1985	80	IRE	LB
Ratnagiri 2	RTN68-1/ WARANGAL 487	1985	125	RSL	SB
Ratnagiri -24	Zinnia 63/TN(1)	1971	80	IRE	MS
Ratnagiri 3	CR 57-MR 1523/IR 36// RTN 68	1994	110	IRM	LB
Ratnagiri 71-1-41	IR 8/ Ratnagiri 24	1978	85	IRE	LS
Sahayadri		1998	100	IRM	LS
Sakoli -6	Nagpur 27/IR 8	1989	90	IRE	LS
Satya	BG 79/IR 400-28-4-5	1973	100	IRM	LB
Sindewahi 1	Local selection	1988	95	IRSA	LS
SKL 47-8 (Sakoli. 7)	TN(1)/Basmati 370	1988	100	SCR	LS
Sugandha	Prabhavati/IET 8573	1994	85	IRE	LS
Suhasini	BG 79/IR 8	1973	84	IRE	LS
Surya	BG 79/IR 400-28-4-5	1973	82	IRE	LB
SYE 75	TN(1)/WL 112	1979	110	RSL	LB
SYE -ER 1	Sona/SYE44*-3	1990	85	IRE	SS
Terna	MAU sel. 9 (Pure line sel.)	1989	80	IRE	LS
Tuljapur-1 (T)	Sel. from Lalsal 140-31	1972	75	RUP	LB
Manipur					
Akutiphou	Langphou/IR 1364-37-3-1	1999	95	HRIR	LB
Eriemaphou	Taothabi/IR 1125-21-2-1	2000	140	DW	SB
Lemaphou	Tall Indica/Lawagin	1999	100	HRIR	LB

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
Pheu-Oibi	Pheuran/IR 661-1-140-3-2	1991	100	IRM	LS
Punshi	Pheuran/IR 661-1-140-3-2	1981	105	IRM	LS
Re Maniphou 1	Kalinga 2/Palman	1992	85	IRE	MS
Re Maniphou 2	Kalinga 2/Palman	1992	90	IRE	LB
Sanaphou	Marangphou/Lawagin	2000	100	IRM	SB
Meghalaya					
Khonorulu (T)	Landrace	1965	120	RSL	SB
NEH Megha Rice 1	Pusa 33/Khonorullu	1992	130	HRIR	MB
NEH Megha Rice 2	Khonorullu/Pusa 33	1992	130	HRIR	MB
Ngoba (T)	Landrace	1965	125	RSL	SB
Orissa					
Ananga	Kumar/CR 57-49	1988	85	IRM	MS
Annada	MTU 15/Waikoku	1987	75	RUP	SB
Badami	Suphala/Annapurna	1992	65	RUP	MB
BAM 6 (T)	Pure line selection Ratna Chudi	1986	130	RSL	MS
Bhanja	IR 36//Hema/Vikram	1992	105	IRM	MB
BHOI	Gauri/RP 825-45	1998	90	IRM	LB
Bhuban	CR 158-5/Rasi	1988	105	IRM	MS
Birupa	ADT 27//IR 8//Annapurna	1992	105	IRM	LB
CR 1014	T 90/Urang Urangan	1988	120	RSL	MS
Dala Heera	CR 404-48/CR 289-1208	1998	70	RUP	LB
Daya	Kumar/ CR 57-49	1984	105	IRM	MS
Dharithri	Pankaj/Jagannath	1988	120	RSL	SB
FR 13A (T)	Pure line sel. Kalambanka	1988	131	SDW	LB
Gajapathi	OR 136-3/IR 13429-196-1- 120	1998	125	IRM	LS
Gauri	T 90/IR 8//Vikram	1984	105	IRM	MS
Gayatri	Pankaj/Jagannath	1988	125	RSL	SB
Ghanteswari	IR 2061-628/N 22	1992	70	RUP	LB
Heera	CR 404-48/CR 289-1208	1988	65	RUP	LB
Hema	T 141/IR 8 - 246	1974	105	IRM	LB
Indira (CR MUT 587-4)	Tainan 3 Mutant	1980	95	IRM	MS
Indravati	IR 56/OR 142 - 99	1999	120	RSL	MB
Jajati	Rajeswari/T 141	1980	105	IRM	MS
Kalashree	CR 151-70/CR 1014	1988	130	RSL	MS
Kalinga 1	Dhunghansali/IR 8	1973	75	RUP	LB
Kalinga 2	Dhunghansali/IR 8	1973	70	RUP	LB
Kalinga III	AC 540/Ratna	1983	55	RUP	LS
Kalyani II	Sattari/Rasi//Kalinga III	1988	65	RUP	MS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
Kanchan	Jajati/Mahasuri	1992	125	RSL	MS
Keshari	Kumar/Jagannath	1980	70	RUP	MS
Khandagari	Parijat/IR 13429-94-3-2-2	1992	70	RUP	MS
Kharveli	Daya/IR 13240-108-2-2-6	1998	101	IRM	MS
Konark	Lalat/OR 135-3-4	1998	100	IRM	MS
Kshira	CR 94-1521-6/ Vijaya	1988	105	IRM	MB
Kumar	T 90/IR 8	1974	95	IRE	MS
Lalat	OBS 677/IR 2071//Vikram/ W 1263	1988	95	IRM	LS
Lalithagiri	Badami/IR 1966-364	1998	95	RUP	MB
Mahalaxmi	Pankaj/Mahsuri	1992	125	RSL	MB
Mahanandi	OR 1301/IR 19661-131-3- 1//Savitri	1999	120	RSL	MB
Manika	CR 210-1010/OBS 677	1992	130	RSL	LB
Mehar	OBS 677/IR 2071//Vikram/ W 1263	1992	105	IRM	LB
Moti	CR 151-79/CR 1014	1988	115	RSL	LS
Neela	CR 94-1512-6/Pusa 2-21	1985	60	RUP	MB
Nilgiri	Suphala/DZ-12	1992	70	RUP	MB
Padmini	Mutant of CR 1014	1988	115	RSL	MS
Pallavi	Jikkoku/Seraup Kechil	1980	70	RUP	MS
Panidhan	CR 151-79/CR 1014	1988	140	SDW	MS
Parijat	TKM 6/TN1	1976	70	RUP	MS
Pathara	Hema/CO 18	1985	75	RUP	MS
Prachi	IR 9764 – 45 – 2-2/OR 149-3-2	1999	120	RSL	MB
Pratap	Kumar/CR 57-49	1983	100	IRM	MS
Radhi	Swarnaprabha mutant	1998	83	IRE	LB
Rajeswari	T 90/W 1251	1974	100	IRM	MS
Ramakrishna	TKM 6/IR 8	1980	100	IRM	MS
Rambha	Pankaj/ W-1263	1985	120	SDW	MB
Ramchandi	IR 17494-32-2-2-1/Jaganath	1998	125	RSL	MB
Rudra	Parijat/IET 3225	1983	60	RUP	MS
Samalei	Leaung 152/IR 8	1980	120	RSL	LS
Samanta	T 90/IR 8//Vikram///SIAM 29/Mahasuri	1992	105	IRM	LB
Sarasa	CR 94-512-6/ Ratna	1985	90	IRE	LS
Sarathi	T 90/IR 8//W 1263	1983	85	IRE	MB
Sattari	NSJ 200/Padma Mutant	1980	45	RUP	SB
Sebati	Daya/IR 36	1998	125	IRM	MS
Seema	Jagannath natural cross	1991	120	RSL	MS
Shakti	PTB 18/PTB 21	1973	100	IRM	SB
Shankar	Parijat / IET 3225	1983	55	RUP	MS
Shravani	Mahsuri/IR 30	1988	85	IRE	MS
Sneha	Annada/CR 143-2-2	1991	50	RUP	LS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
Sonamani	Velki/Mahsuri	1998	120	RSL	SB
SR 26 B (T)	Pure line sel. Kalambanka	1988	115	RSL	LB
Subhadra	TN (1)/SR 26 B	1980	60	RUP	LB
Suphala (OR 35-61-23)	TN 1/T141	1976	75	RUP	MS
Supriya	IR 8/ GEB 24//TN (1)	1973	75	IRE	MS
Surendra	OR 158-5/Rasi	1998	101	IRM	MB
T 141 (T)	Pure line selection	1988	110	IRM	MS
T 90 (T)	Pure line selection	1988	120	RSL	LS
T1242 (T)	Pure line selection	1988	125	RSL	LB
Tapaswini	Jagannath/Mahsuri	1998	105	IRM	MS
Tara	CR 94-1512-6/Pusa 2-21	1988	70	IRE	MB
Tulashi	CR 151-79/CR 1014	1988	125	RSL	MS
Udaya (CR 190-103)	CR 129-118/ CR 57-9-2	1985	100	IRM	LB
Udayagiri	IRAT 138/IR 13543 - 66	1999	92	IRM	MB
Urbashi	Rajeswari/Jajati	1992	85	RSL	LB
Utkal Prabha	Waikokku/CR 1014	1983	130	SDW	MS
Vanaprabha	ARC 12422/ARC 12751	1988	65	RUP	MS
Pondicherry					
Aravinder	Swarnadhan/NLR 9674	1994	105	IRM	LS
Bharathidasan (BPHR 5- IR13427-45-2)	IR 3403-267/PTB 33//IR 36	1984	85	IRE	LS
Jawahar	IR 8/H 4	1988	120	RSL	LS
Puduvaiponni- 1	Ponni/IR 8	1980	130	RSL	LS
Punithabathy (P 1275)	Kannagi/Cul. 2032	1980	100	IRM	LS
Subramanya Bharathi	IR 19661/CR 1009	2000	110	IRM	MS
Punjab					
Basmati 385	TN1/Basmati 370	1992	105	SCR	LS
Basmati 386	Sel. from Pak. Bas.	1994	105	SCR	LS
Hybrid Mutant 95	Jhona 349/TN1	1972	95	IRME	LS
Palman 579	Introduction form IRR1	1972	95	IRME	LS
PR 103	IR 8/IR 127-2-2	1976	95	IRM	LS
PR 106	IR 8/Peta 5/Bella Patna	1978	100	IRM	LS
PR 108	Vijaya/PTB 21	1986	100	IRM	LS
PR 109	IR 19660-73-4//IR 2415-90-4- 3-2//IR 5853-162-1-2-3	1986	100	IRM	LS
PR 110	TN1/Petang 32//PR 106	1992	95	IRE	LS
PR 111	IR 54/PR 106	1994	108	IRM	LS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
PR 113	IR 8/RP 2151-173-1-8//IR 8	2000	95	IRM	LS
PR 114	TN1/Patong32//PR 106// IR 8	2000	110	IRE	LS
PR 115	RP 2151-173-1-8/PR133	2000	95	IRM	LS
PR 116	PR 18/PAU 1628//PR 106	2000	110	IRE	LS
PR 4141	IR 8/BJ 1//IR 22	1982	95	IRM	LS
Punjab Basmati 1 (PAU 269-2- 31-1-4)	Sona/Basmati 370	1982	95	SCR	LS
Rajasthan					
BK 190	R 14/IR 8	1980	105	IRM	SB
BK 79	TN1/NP 130//Basmati 370	1981	100	IRE	LS
Chambal (Cul. 8050)	IR 8/NP 130	1975	100	IRM	LB
Khushboo	Baran Basmati/Pusa 150	1994	90	SCR	LS
Mahisugandha	BK 79/Basmati 370	1994	100	SCR	LS
Vagaddhan	M 63 - 83/Cauvery	1998	70	RUP	LB
Tamil Nadu					
ADT 28	ADT 3/CH. 42	1965	85	IRE	MS
ADT 32	Sel. from Vaigai Samba	1972	115	RSL	SB
ADT 36	Triveni/IR 20	1981	77	IRE	MS
ADT 37	BG 280-12/PTB 33	1987	75	IRE	SB
ADT 38	IR 1529-680-3-2//IR 4432-52- 6-4//IR 7963-30-2	1987	105	IRM	LS
ADT 39	IR 8/IR 20	1988	95	IRM	MS
ADT 40(IET 5656)	Sona/RPW 6-13	1989	120	RSL	SB
ADT 41	Sel. from Basmati 370	1994	85	SCR	LS
ADT 42	AD 9246/ADT 29	1996	105	IRM	LS
ADT 43	IR 50/Imp. White Ponni	1998	80	IRE	MS
ADT 44	IR 56/OR 142-99	2000	115	RSL	SB
ADTRH - 1	IR 58025 A/IR 66 R	1999	90	IRM	LS
ASD 16	ADT 31/Co 39	1986	85	IRE	MS
ASD 17 (AS 688)	ADT 31/Ratna//ASD 8/IR 8	1988	70	IRE	SB
ASD 18	ADT 31/IR 50	1991	80	IRE	MS
ASD 19	Lalnakanda/IR 30	1996	95	IRM	MS
ASD-20	IR 18348/IR 25863//IR 36	1996	105	IRM	LS
AU1	Sel. from mutant of IR 8	1976	75	IRE	SB
Bhavani	Peta/BP 176	1976	105	IRM	LB
C 7306	HR 19/TN 1	1977	87	IRE	LB
CO 36	IR 8/CO 32	1973	100	RSL	MS
CO 41	Cul.240/IR 22	1979	75	IRE	MS
CO 43	Dasal/IR 20	1982	110	RSL	LS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
CO 44	ASD 5/IR 20	1982	105	IRM	MS
CO 45	Rathuheenati/IR 3403/267-1	1991	110	RSL	LS
CO 47	IR 50/CO 43	2000	115	IRM	MS
CO.46	T 7/IR 20	1996	125	RSL	LS
CORH-2	IR 58025 A / C 20 R	1999	99	IRM	LS
CORH-1	IR 62829A/IR 10198-66-2R	1996	105	IRM	MS
CR 146-7027-224	CR 10-114/CR 115	1977	85	IRE	LS
CR 149-3244-198	IR 8/CR 1014//Pankaj/ MNP 36	1977	125	RSL	LB
IR 34 (IR 2061-213-217)	Peta/TN1/Gampai	1979	77	IRE	LS
IR 50	IR 2153-14-6-6-2/IR 28/IR 2070-625-1-252	1982	85	IRE	LS
IR 64	IR 5657-33-2/IR 2061-465-1-5-5	1989	90	IRE	LS
J.J.92	Sel. from Dwarf Basmati	1993	50	SCR	LB
Karikalan (C5652)	TN(1)/ADT 27	1972	83	IRE	SB
Karuna (C11321)	IR 8/ADT 27	1971	85	IRE	SB
MDU 1	IR 8/Chitrakar	1981	90	RUP	LS
MDU 2	CO 25/IR 8	1983	105	IRM	LS
MDU 3	IR 8/W 1263	1989	90	IRM	LB
MDU 4	AC 2386/Jagannath	1991	105	IRM	LS
MGR 1	IR 62829A/IR 10198	1994	95	IRM	LS
Paiyur 1	IR 1721-14/841330-3-3-2	1981	115	RSL	MS
Paramakudi 1 (PMK 1)	Co.25/ADT 31	1984	85	RUP	MS
PKU 2	IR 13564-149/ASD 4	1996	80	IRE	LB
PMK 2	IR 13564-149-3/ASD 4	1996	85	IRE	MB
Ponni (ASD 14)	TN 1/ADT 27	1970	80	IRE	LB
Ponni (Mahsuri)	T 65-2/Mayang EBOS 80/2	1971	110	RSL	MS
PVR-1	SR 26B/MTU 1	1968	115	IRSA	SB
T.P 4121	CO.251/CO.40	1988	105	IRM	MS
Thirupathisar am1	IR 8/Kaltisamba	1983	105	IRM	MS
TKM 10	CO 31/C 22	1993	105	IRM	MS
TKM 11	C22/BJ 1	1998	90	IRE	LS
TKM 9	TKM 7/IR 8	1978	80	IRE	SB
TPS 2	IR 26/CO.40	1986	100	IRM	SB
TPS 3	RP 31-492/LMN	1993	105	IRM	SB
TRY 1	BR 153-2B-10-1-3	2000	110	IRSA	SB

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
Vaigai (CO 37)	TN(1)/CO 29	1974	75	RUP	MS
White Ponni	T 65/ME.80	1986	105	IRM	MS
Tripura					
TRC Borodhan-1	Thimpu/IR 9219-102-1//KN 1B-361-1-8-6-8	1991	110	IRE	SB
Uttar Pradesh					
Aswani (KR 5-142)	N 22/Cauvery	1986	75	IRE	SB
Barah Avarodhi	Madhukar/Sona	1995	145	SDW	LB
Govind	IR 20/IR 24	1982	75	RUP	LS
Hassan Sarai	Intoduction from Iranian Basmati	2000	95	SCR	LS
IR 24 (IR 661-1-1-143-3)	IR 8/IR 127-2-2	1972	95	IRE	LS
Jal Lahari	Pankaj//Mahsuri/TKM 6	1993	140	SDW	MS
Jalanidhi	Sel. from Goanath	1993	150	DW	MB
Jalmagna(T)	Sel. from Bhadon	1969	130	SDW	SB
Jalpriya	Sel. from IET 4060/Jalmagna	1993	130	DW	LB
Madhukar (T)	Sel. from Gonda	1969	120	SDW	LB
Majhera 3 (T)	Selection from Jaulia	1968	90	HRIR	LS
Manhar (UPR 103-44-2)	IR 24/Cauvery	1985	90	IRE	LS
Narendra 118	IR 36/Hansraj	1987	65	RUP	MS
Narendra 80	N 22/IR 36	1986	75	RUP	MS
Narendra Sankar Dan	IR 58025 A/ NDR 3026-3-1-R	1999	98	IRM	LS
Narendra Usar 2	IRRI Line F2	1998	95	IRSA	LB
Narendra Usar 3	Leaung ya 1148/IR 9125-209-2-2-2-1//IR18272-27-3-1	2000	100	IRSA	LS
Narendradhan 1	Bella Patna/IR 8	1981	75	RUP	MB
Narendradhan 2	IR 8/Tadukhan//TKM 6/ TN(1)	1982	85	RUP	LS
Narendradhan 359	BG 90-2-4/OBS 7-677	1992	79	IRE	LS
Pantdhan 6	IR 8608-298-3-1/IR 10179-2-3	1986	90	IRE	MS
Pant Sankar Dhan 1	Upr 195-178A/Upr 192-133R	1997	105	IRM	LS
Pantdhan 10	IR 32/Mahsuri//IR 28	1992	90	IRM	LS
Pantdhan 11	VL 206/Dagi	1992	100	HRIR	LB
Pantdhan 12	Govind/UPR 201-1-1	1994	95	IRE	LS
Pantdhan 4 (BG 90-2)	IR 262/Remadja	1983	100	IRM	LS
Pantdhan 957	IR 32429-122-3-1-2/IR 31851-63-2-3-1	1999	105	HRIR	SB

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
PHB 71		1997	95	IRM	LS
Prasad (IR 1516-2-216-6)	IR 747B-26-3/IR 57948	1978	90	IRE	MS
Renu (PNR 162)	Jaya/Basmati 370	1993	70	RUP	LS
Saket 4	TKM 6/ IR 8	1971	85	IRE	LS
Sarjoo 52 (FH 132)	TN1/Kashi	1980	100	IRM	LB
Ushar 1	Jaya/Getu	1984	100	IRSA	MS
VL Dhan 16	JP 5/Y.R.L.I.	1984	95	HRUR	LS
VL Dhan 163 (VRS 163-2-2-3)	IR747/KN16-36-1/IR2053- 521-1-1-1	1987	80	HRUR	MS
VL Dhan 206	Sel. from Bamni	1983	105	HRUR	MS
VL Dhan 221	IR 2053-521 K 116//KN18- 361	1991	100	HRUR	MS
VL Dhan 97	N 22/Ratna	1991	85	RUP	LS
VLK Dhan 39 (K39-96-31-1-1-9)	China 1039/IR 580-19-2-3-1	1980	85	HRIR	MS
West Bengal					
Amulya	Sel. from Local Nagani	1988	140	SDW	LS
Bagheerathi	JHINGASAIL/Patnai 23	2000	160	SDW	SB
Bhupen	C 22/IR 26//C.22/OS 4	1993	75	RUP	LS
Bipasa	X-ray mutant of Pankaj	1993	125	RSL	LB
Biraj	Co 1393 mutant	1982	140	SDW	MS
CNRH 3	IR 62869 A/Ajaya R	1995	95	IRM	LS
Dinesh	Jaladhi 2/Pankaj	1988	140	DW	SB
GOLAK	JHINGASAIL/CN644	1998	135	SDW	SB
Jaladhi 1 (T)	Sel. from Kalakher Sail	1981	140	DW	SB
Jaladhi 2 (T)	Sel. from Local Baku	1981	145	DW	LB
Jalaprabha (T)	Selection from Composite	1996	140	DW	SB
Jamini	BG 280-112/PTB 33	1996	100	RUP	LB
Jitendra (T)	Selection from landraces	1994	155	DW	LS
Jogen (T)	IR 20/SML 40-10-4	1986	140	SDW	MB
Khanika	Jaya/CR 237-1	1996	100	RUP	LS
Khitish	Bulk /CR 115	1982	90	IRE	LS
Kiron	N22/TN// T90/IR8	1986	75	RUP	MS
Kunti	RPW 6-13/Sona	1982	100	IRM	LS
Lakshmi (CNM 6)	Mutant of IR 8	1982	90	IRE	LB
Mahananda	IR 36/Patnai 23	2000	135	SDW	SB
Mandira	IR 34/KLS 6980-143-2- P//IR 2070-2-5-6/HB.DW.8	1986	140	SDW	MS
Matangini	Pure line sel. from Kajallata	1989	140	SDW	SB
Munal (C 15310)	An exotic introduction from USA	1982	100	IRE	LB
Nalini	Sel. from local Sindu Raukhi	1988	140	SDW	MS

Name	Cross	Year	50% flowering	Ecosystem ^a	Genotype ^b
NEERAJA	Selection from landraces	1998	160	DW	LB
Panke	Pure line selection	1989	75	RUP	LB
Purnendu	Patnai 23/Jaladhi 2	1994	160	SDW	SB
Sabita (T)	Pure line sel. from Boyan	1986	135	SDW	LS
Saraswathi	Pankaj/Patnai 23	1996	135	SDW	LB
Sashi	IR 50/Patnai 23	2000	140	RSL	LS
Satabdi	Cr 10-114/CR 10115	2000	130	IRM	LS
SUDHIR	FR13A/CNM539	1998	150	SDW	LS
SUNIL	OC1393/B1047-BPN-18-1-4	1998	135	DW	LS
Suresh	IR 262/Khao Nahng Muey 11	1982	135	SDW	LS

^a IRE = irrigated early; IRM = irrigated medium; RUP = rainfed upland; RSL = rainfed shallow lowland; SDW = semi-deepwater; DW = deepwater; HRIR = irrigated hills; HRUR = upland hills; IRAK = alkaline soils; SCR = scented; IRSA = saline alkaline.

^b SB = short bold; MB = medium bold; LB = long bold; MS = medium slender; LS = long slender.

APPENDIX 3
List of varieties released in Nigeria

Origin	Pedigree/ parentage	Ecology	Year of release	Growth duration (days)	Plant height (cm)	Yield potential (t/ha)
Guyana	BG 79	Shallow swamp	1954	135-174	105-120	3.0-5.0
Guyana	D 144	Shallow swamp	1957	135-115	100-115	3.0-4.5
Nigeria	Agbede	Upland	1958	95-120	95-100	1.5-2.5
India	Kavunginpoothala 12	Deepwater	1959	189-220	145-150	2.0-4.0
Madagascar	Makalioka 825	Shallow swamp	1960	135-154	111-115	2.0-4.5
F/Guinea	Indochinablank (ICB)	Deepwater	1961	176-198	156-160	2.0-3.0
Thailand	Maliong	Deep flooded water	1962	160-217	160-165	2.5-3.5
Indonesia	Mas 2401	Shallow swamp	1963	155-160	120-125	3.5-4.5
Malaya	Siam 29	Shallow swamp	1963	189-220	120-125	2.5-3.0
Kenya	Sindano	Shallow swamp (high altitude)	1963	115-162	125-130	2.5-4.5
Congo/Zaire	OS 6	Upland	1966	115-120	115-120	1.5-2.5
Suriname	SML-140/10	Shallow	1969	145	135-140	3.0-4.0
Philippines	IR 8	Shallow	1970	135-140	90-100	2.0-4.0
NCRI, Nigeria	Chanyza 123 x ICB	Deepwater	1971	170-198	150-160	2.5-4.0
NCRI, Nigeria	BG 79 x IR 8	Shallow	1974	145-160	115-120	3.5-4.5
NCRI, Nigeria	Mas 2401 x SML 14/10	Shallow	1974	140-160	90-100	2.5-3.5
NCRI, Nigeria	Mas 2401 x Tjina	Shallow	1974	145-160	110-120	2.0-3.0
Indonesia	Tjina	Shallow	1974	179	145-150	2.0-3.0
Philippines	IR 20	Shallow	1974	135-140	90-100	
Philippines	BPI-76	Shallow	1974	125-130	90-100	2.5-4.0
Philippines	Taichung Native 1	Shallow	1974	90-110	80-90	2.5-4.0
Philippines	IR 627-1-31-3-27	Shallow	1974	145-150	90-110	2.0-3.0
Philippines	IR 5-47-2	Irrigated/ Shallow swamp	1974	145-150	90-100	2.0-3.0
Viet Nam	Degaule	Irrigated/ shallow swamp	1974	135-145	135-145	2.5-3.5
NCRI, Nigeria	Jete x Tjina (FAROX 56/30)	Upland	1976	115-120	105-100	2.5-3.5
NCRI, Nigeria	Tos 78	Shallow	1982	130-135	105-100	2.5-3.5
NCRI, Nigeria	(Tos 103) IR 400- 15-12-10-2 x IR 662	Shallow	1982	110-115	90-100	3.0-4.0
NCRI, Nigeria	Tjina x IR 8 (FAROX 118A)	Shallow	1982	135-140	125-130	3.0-4.0

Origin	Pedigree/ parentage	Ecology	Year of release	Growth duration (days)	Plant height (cm)	Yield potential (t/ha)
NCRI, Nigeria	Pesa/TN 1 Remadja (BG 90-2)	Shallow	1984	125-135	100-115	2.5-3.5
NCRI, Nigeria	FARO 15/IR 28 (FAROX 228-2-1-1)	Shallow	1986	110-115		5.0
NCRI, Nigeria	FARO 15/IR 28 (FAROX 228-2-1-2)	Shallow	1986	110-115	120-125	5.0
NCRI, Nigeria	FARO 15/IR 28 (FAROX 228-1-1-1)	Shallow	1986	110-115	110-120	4.5
NCRI, Nigeria	IR 28/FARO 12 (FAROX 233-1-1-1)	Shallow	1986	110-115	115-125	4.0-5.0
NCRI, Nigeria	FARO12/IR 28 (FAROX 239-1-1-1)	Shallow	1986	105-115	115-120	4.0-5.0
IITA, Nigeria	ITA 212 (BG 90- 2*4/Tetep)	Shallow	1986	120-135	100-115	4.5-5.0
IITA, Nigeria	ITA 222 Maushuri/IET 1444	Irrigated swamp	1986	120-135	100-115	4.5-5.0
IITA, Nigeria	ITA 306 (Tox 494- 3696/Tox 711/BG 6812)	Irrigated swamp	1986	125-140	100-115	4.5-5.0
Côte d'Ivoire	IRAT 133 (IRAT 13/IRAT 10)	Irrigated swamp	1986	100-105	100-110	1.0-3.0
Côte d'Ivoire	IRAT 144 (IRAT 13/IRAT 10)	Irrigated swamp	1986	100-105	95-105	1.0-3.0
NCRI, Nigeria	FAROX 299 (Multiline)	Irrigated swamp	1986	115-120	115-120	1.0-3.0
Côte d'Ivoire	IRAT 170 (IRAT 13/Palawan)	Upland	1986	115-120	80-90	1.0-3.0
IAR & T, Nigeria	ART 12 (ITA116)	Upland	1986	115-120	110-115	1.0-3.0
IITA, Nigeria	ITA 128 (63- 83/Iguape Cateto, IET 144, IR 1416- 131, Lite 506)	Upland	1986	115-120	110-115	1.0-3.0
Taiwan	SIPI 692033(SIPI 661044/SIPI 651021)	Irrigated/ shallow	1992	110-120	95-110	4.0-6.0
ITA, Nigeria	ITA 257(IRAT 13/Dourado Precose 689/Tox 490-1)	Upland	1992	90-100	90-100	2.0-3.0
ITA, Nigeria	ITA 150 (63- 83/Multiline)	Upland	1992	100-105	80-90	2.0-3.0
ITA, Nigeria	ITA 117 (13A-18-3- 1/Tox 7)	Upland	1992	115-120	90-110	2.0-3.0
ITA, Nigeria	ITA 301 (IRAT 13/Dourado Precose 689/Padipapayak)	Upland	1992	115-120	90-110	2.0-3.5

Origin	Pedigree/ parentage	Ecology	Year of release	Growth duration (<i>days</i>)	Plant height (<i>cm</i>)	Yield potential (<i>t/ha</i>)
ITA, Nigeria	ITA 315 (IR 43/Iguape Cateto)	Upland	1992	115-120	90-110	2.0-3.5
ITA, Nigeria	ITA 230 (BG 90- 2*/Tetep)	Irrigated/ shallow swamp	1992	130-135	90-115	3.0-4.0
Indonesia	Cisadane (Pelita- 1/IR/ 789-98-2- 3/IR 2157-3	Irrigated	1997	130-135	100-120	3.0-4.0
IITA/ WARDA	WITA 4 (Tox 3100- 44-1-2 -3-3)	Irrigated/ shallow	2000	120-135	115-120	3.0-4.5

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