

Phil Rice

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IRRI

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Mr. Romulo Javillo Secretary

Mr. Anacleto Basan

C-奨励稲高収量品種リスト

Year Approved	Crop/Variety	Agency/Co. Develop	Yield/ha. tons	Maturity No. of Days	Plant Height	Agro/Climatic Cultural Adaptation	Reaction to Pest	Reaction to Diseases	Remarks and other varietal Characteristics
RICE									
1987	IR-66	IRRI	5.19	109	83	Irrigated lowland	Moderately resistant to biotype 1, 11, 111; intermediate to stemborer	Moderately susceptible to sheath blight, grassy and ragged stunt virus intermediate to bacterial leaf blight, resistant to tungro	Showed superiority over IR-50, the check variety. High amylose content, with long slender grain.
	BPI-Ri-12	BPI	4.89	122	93	Irrigated lowland	Intermediate to stemborer, moderately resistant to biotype 1, moderately susceptible to biotype 11 and intermediate to biotype 111	Resistant to tungro intermediate to bacterial leaf blight and sheath blight, susceptible to blast, grassy and ragged stunt	Has wide adaptability; recommended for general planting with certain limitations in areas with high pressure to blast.
1985	IR-64	IRRI	5.6	113-115	103	General countrywide adaptation	Resistant to brown planthopper and green leafhopper; moderately resistant to stemborer	Moderately resistant to blast; bacterial blight; resistant to tungro	It has higher and stable yield potential, better grain quality and better lodging resistance. It is tolerant to salinity alkalinity, phosphorous deficiency, upland acidity and peat soils as per research conducted by IRRI Agronomy Group. It has long slender grain.
1985	IR-65	IRRI	4.7	113(D) 114(W)	78(D) 94(W)	General countrywide adaptation	Resistant to brown planthopper and moderately resistant to stemborer	Resistant to tungro and bacterial blight; moderately resistant to blast	It is highly acceptable and has higher and stable yield potential compared to malagkit sungsong
1984	IR-62	IRRI	4.77	110 (D) 120 (W)	100	Adapted to all regions of the Philippines during dry and wet seasons under irrigated conditions.	Moderately resistant to 3 biotypes of brown planthopper and moderately resistant to stemborers	Moderately resistant (blast resistant) to bacterial blight, grassy stunt and tungro	It has better lodging resistance than other early maturing varieties. It has medium long, slender grain.
1988	IR-58	IRRI	4.1	100	75	For irrigated lowland recommended only for Luzon area	Moderately resistant to stemborer; resistant to brown planthopper biotypes I and II	Moderately resistant to blast; intermediate to blight, rice tungro virus, grassy stunt and	A variety for areas practicing multiple cropping. It has medium long, slender grain.

Approved	Development	Source	No. of days	Height	Cultural Adaptation	Reaction to Pest	Reaction to Diseases	Remarks and other varietal Characteristics	
IR-60	IRRI	4.7	86	107	For irrigated lowland	Resistant to biotypes 1, 11, 111 of the SPH	With high resistance to rice tungro virus; resistant to both grassy stunt and ragged stunt	Grain quality is long slender and translucent; milling recovery is high; it is more acceptable than IR-36.	
1983	BPI-RI-10	Bureau of Plant Industry	4.6	108	80-87	For lowland irrigated for both dry and wet seasons	Moderately resistant to stemborer and bio type 1 and 2 of brown planthopper	Intermediate against blast and rice tungro virus resistant to grassy stunt; moderately susceptible to bacterial leaf blight and moderately resistant to ragged stunt	Eating quality is more acceptable than IR-50. Highly stable performance across seasons and locations.
1982	UPL-RI-4	University of the Philippines	4.7	110 (D) 108 (W)	76 (D) 87 (W)	For planting in irrigated lowland in dry or wet season. Could be grown in all major rice provinces	Intermediate to stemborer and brown planthopper	Intermediate to blast, bacterial blight, tungro and ragged stunt virus, resistant to grassy stunt virus; susceptible to sheath blight	It has higher milling recovery and is more acceptable than IR-50. It is comparable to IR-50 in other grain quality. It has high stable yields across seasons and locations.
1981	IR-56	IRRI	4.5	112 (D) 104 (W)	77 (D) 90 (W)	For planting in irrigated lowland both dry and wet seasons	Intermediate to stemborer, resistant to brown planthopper	Resistant to blast tungro, ragged stunt virus and grassy stunt virus; susceptible to bacterial blight and sheath blight	Better in quality and more acceptable than IR-50. It has long slender grain.
1981	BPI RI-3	BPI	4.7	121	90	For irrigated lowland	Susceptible to brown planthopper moderately resistant to stemborer and whorl maggot	Moderately resistant to blast, bacterial leaf blight and ragged stunt virus; resistant to tungro and grassy stunt virus	Acceptability is 92.5% slightly higher than malagkit sungsong 89%.
1981	UPL RI-7	UPLB	3.04	166	104	For upland	Moderately susceptible to brown planthopper resistant to stemborer	Moderately resistant to blast and tungro; resistant to ragged stunt virus and grassy stunt virus moderately susceptible to bacterial leaf blight	

Year	Accession	Development	Days to maturity	Plant height	Cultural Adaptation	Reaction to Pest	Reaction to Diseases	Remarks and other varietal Characteristics
1980	IR-50	IRRI	104	82	For irrigated lowland	Resistant to stemborer and moderately resistant to brown planthopper	Resistant to rice blast, bacterial leaf blight and moderately resistant to ragged stunt virus	Better milling recovery and acceptability than IR-36.
	IR-54	IRRI	116	96	For irrigated lowland	Resistant to stemborer and moderately resistant to brown planthopper	Resistant to bacterial leaf blight intermediate to rice blast tungro grassy stunt, intermediate; susceptible to ragged stunt and sheath blight	It has 92% acceptability when raw and 72% when cooked.
	IR-52	IRRI	119	96	For rainfed lowland	Intermediate to stemborer, brown planthoppers and whorl maggot	Intermediate to rice blast, bacterial leaf blight, tungro grassy stunt and ragged stunt, susceptible to sheath blight	It has long slender grain.
1980	UPL Ri-5	UPLB	120	117	For upland	Susceptible to brown planthopper intermediate to stemborer and whorl maggot	Resistant to ragged stunt and grassy stunt, intermediate to rice blast and tungro susceptible to bacterial leaf blight.	
	IR-48	IRRI	133	98-107	For irrigated lowland	Resistant to green leafhopper and biotype 1 & 2	Resistant to blast bacterial leaf blight tungro and grassy stunt	It has excellent grain quality with intermediate amylose content, thus comparable to C-4-63 in appearance.
1979	BPI Ri-1	BPI	120	90			Not susceptible to any major disease and pest.	
	UPL Ri-3	UPLB	125	109	For upland		Resistant to blast, sheath blight, moderately resistant to bacterial leaf blight and helminthosporium leaf spot	It has medium long and slender grains of very high acceptability (93%).
	BPI Ri-6	BPI	125	104	For upland		Resistant to sheath blight, moderately resistant to blast, bacterial leaf blight and helminthosporium leaf spot	Grain shape is long and slender.

197*	IR-43	IRRI	3.52	129	77	Upland	Resistant to blast and bacterial leaf blight, intermediate to tungro	Grain is medium, slender and translucent; resistant to lodging.
	IR-44	IRRI	4.95	124	90	Irrigated	Resistant to brown planthopper biotypes 1 and 2, green leafhopper, moderately resistant to stemborer.	Grain is medium long, slender and translucent.
	IR-45	IRRI	2.51	121	100	Upland culture		Grain is medium long, slender and translucent.
	IR-46	IRRI	3.97	123	107	Rainfed	Resistant to brown planthopper biotypes 1 & 3. Moderately resistant to stemborer.	Grain is medium long, slender and translucent.
1977	IR-40	IRRI	81.9 cav.	120 (W) 115 (D)	95	Irrigated lowland culture	Resistant to brown planthopper biotypes 1 & 2	Milling recovery is satisfactory with medium slender grain and good eating quality.
	IR-42	IRRI		142	105	Irrigated lowland culture	Resistant to biotypes 1 & 2 moderately susceptible to biotype 3	High tillering capacity and eating quality is highly adaptable.
	UPL Ri-1	UPLB		129 (W) 132 (D)			Resistant to biotype 1	Glutinous variety with bold grains comparable to our native glutinous rice.
1976	IR-36	IRRI		110-115	85	Irrigated lowland	Resistant to green leafhopper brown planthopper moderately resistant to stemborer	High head rice recovery, high amylose content and good quality.
	IR-34	IRRI		120-125		Irrigated lowland Medium Tall		
	IR-38	IRRI		127	97	Irrigated lowland	Moderately resistant to green leafhopper and brown planthopper	Amylose content is intermediate, fair eating quality.
	RP-KN-2			135	99		Resistant to green leafhopper and brown planthopper	Head rice recovery 40.4% amylose content intermediate and fair eating quality.

IR68

IR68 was tested in the Philippine Seedboard trials under its experimental designation of IR28224-3-2-3-2. It was selected from the multiple cross IRL9660-73-4/IR2415-90-4-3-2//IR54 made in 1979 at the International Rice Research Institute.

IR68 matures in 125 days from sowing in the seedbed and attains a height of 110 cm. It produces 13 productive tillers on the average. It is resistant to blast, bacterial blight, grassy stunt, brown planthopper, green leafhopper and has excellent resistance to tungro under field conditions. It has excellent long slender and translucent grains with high amylose content and low gelatinization temperature. It gives high milling recovery. IR68 outyielded check variety IR54 by 12.9% in the Seedboard trials.

IR70

IR70 was tested in the Philippine Seedboard trials under its experimental designation of IR28228-12-3-1-1-2. It was selected from the multiple cross IR19960-73-4/IR54//IR9828-36-3 made in 1979 at the International Rice Research Institute.

IR70 matures in 130 days from sowing in the seedbed and attains a height of 98 cm. It produces 14 productive tillers on the average. It is moderately resistant to blast and bacterial blight, resistant to grassy stunt, brown planthopper, green leafhopper and has excellent resistance to tungro under field conditions. It has excellent medium long and translucent grains with high amylose and intermediate gelatinization temperature. It gives high milling recovery. IR70 outyielded check variety IR42 by 17.2% in the Seedboard trials.

IR72

IR72 was tested in the Philippine Seedboard trials under its experimental designation of IR35366-90-3-2-1-2. It was selected from the multiple cross IR19661-9-2-3/IR15795-199-3-3//IR0129-209-2-2-2-1 made in 1981 at the International Rice Research Institute.

IR72 matures in 110 days from sowing in the seedbed and attains a height of 90 cm. It produces 15 productive tillers on the average. It is moderately resistant to blast, resistant to bacterial blight, grassy stunt, brown planthopper, green leafhopper and has excellent resistance to tungro under field conditions. It has excellent medium long, slender and translucent grains with high amylose content and intermediate gelatinization temperature. It gives high milling recovery. IR72 outyielded check variety IR64 by 10.37% in the Seedboard trials.

IR74

IR74 was tested in the Philippine Seedboard trials under its experimental designation of IR32453-20-3-2-2. It was selected from the cross IR19661-131-1-2/IR15795-199-3-3 made at International Rice Research Institute in 1980. IR74 matures in 130 days from sowing in the seedbed and attains a height of 90 cm. It has long and erect flag leaves. It produces 16 productive tillers on the average. It is moderately resistant to blast and bacterial blight, resistant to grassy stunt, brown planthopper, green leafhopper and has excellent resistance to tungro under field conditions. It has excellent long slender and translucent grains with high amylose content and low gelatinization temperature. It gives high milling recovery. IR74 outyielded check variety IR42 by 11.0 percent in the Seedboard trials.

D-収集資料リスト

収集資料リスト

<NEDA>

- 1) Organization Chart / NEDA

<BPI>

- 1) Organization Chart / BPI
- 2) Organization Chart / Project
- 3) Site Plan / Seed Storage & S. Q. C. S.
- 4) Primer (Philippines Seed Industry Act of 1992)
- 5) National Seed Industry Development Act of 1991
- 6) Technical Elements of a Comprehensive Seed Programme and their Sequential Relationship
- 7) Functional Chart (National Seed Quality Control Services)
- 8) Personnel Chart (National Seed Quality Control Services)
- 9) Organizational Chart (National Seed Quality Control Services)
- 10) Selected Statistics on Agriculture, May 1991, Bureau of Agricultural Statistics, DA
- 11) The Philippine Agricultural Development Plan 1991-1995, DA
- 12) Rice Production Enhancement Program II, DA
- 13) Rice Action Program, DA
- 14) Corn Productivity Enhancement Program, DA
- 15) Implementing Guidelines for the Certified Palay Seed Production and Distribution Project
- 16) Intensified Rice Seed Production and Distribution Program (May-October 1989~November-April 1990), BPI, DA
- 17) List of Seed Growers (1990)
- 18) Annual Report / Crop Production 1989, BPI
- 19) Annual Report / Crop Production 1990, BPI
- 20) Part of Annual Report / Crop Production (Draft) 1991, BPI

<Phil Rice>

- 1) The Phil Rice Story

- 2) Phil Rice Newsletter, June 1990
- 3) Phil Rice Accomplishment Report for 1990
- 4) Phil Rice R & D Annual Report 1990
- 5) Phil Rice R & D Highlights 1990
- 6) Improvement of the Phil Rice 1991
- 7) Rationale for the Establishment of Phil Rice, 1991 No. 3
- 8) Program / 5th National Rice R & D Review and Planning Workshop
March 3-5, 1992, Phil Rice
- 9) Rice R & D Highlights 1991 / ditto
- 10) Project List by Station as of September 1991, Phil Rice
- 11) List of Research Projects and Studies (as of February 1992), Phil
Rice

<IRRI>

- 1) Characteristics of Rice Varieties

<DA Regional Office>

- 1) General Statistics
- 2) No. and Area of Seed Producers by Province
- 3) Memorandum of Agreement (Specimen)
- 4) Administrative Order No. 32, 1988 / DA, (Revised Policies and Guidelines on Seed Production & Distribution System)
- 5) Administrative Order No. 2, 1991 / DA, (Criteria for Accreditation of Seed Producers)
- 6) Organizational Structure / Project
- 7) List of Seed Growers

<Visayas Experimental Station>

- 1) Brochure
- 2) Organizational Chart (Present, Expected Plan)
- 3) Manpower (Present, Expected Plan)
- 4) Activities of the Station in Research and Training, 1991

- 5) Practice of Rice Cultivation
- 6) Budget (Present, Expected Plan)
- 7) Cropping Results in last 3 years
- 8) Current Condition of Facilities and Equipment
- 9) Monthly Distribution Results of Seeds

