

Table 1. Reaction^a of some susceptible and resistant check varieties to 7 BPH populations in the Mekong Delta, Tiengiang, Vietnam, 1991.

Variety	Gene for resistance	BPH population													
		Chau Thanh, Tiengiang		Longho, Cuulong		Chauthanh, Bentre		Caolan, Dongthap		Thoaison, Angiang		Gionggieng, Kiengiang		Baclieu, Minhhai	
		Score ^b	Reaction	Score	Reaction	Score	Reaction	Score	Reaction	Score	Reaction	Score	Reaction	Score	Reaction
TN1	None	9.0	S	9.0	S	9.0	S	9.0	S	9.0	S	9.0	S	9.0	S
Mudgo	<i>Bph 1</i>	7.6	S	5.6	S	7.6	S	7.6	S	7.0	S	7.6	S	7.6	S
ASD7	<i>bph 2</i>	7.6	S	7.6	S	8.3	S	7.0	S	7.0	S	8.3	S	8.3	S
Rathu Heenati	<i>Bph 3</i>	1.0	R	1.0	R	1.0	R	1.0	R	1.0	R	1.0	R	1.0	R
Babawee	<i>bph 4</i>	5.6	S	5.0	MS	6.3	S	5.6	S	5.0	MS	7.0	S	6.3	S
Ptb 33	<i>bph2, Bph 3</i>	1.0	R	1.0	R	1.0	R	1.0	R	1.0	R	1.0	R	1.0	R

^aR = resistant, MS = moderately susceptible, S = susceptible. ^bScore = av of 3 replications.

Table 2. Reaction^a of some susceptible and resistant check varieties to BPH biotypes in Asia and the Mekong Delta, Vietnam.

Variety	Gene for resistance	IRRI, Philippines ^b			Bangladesh ^b	Sri Lanka ^b	India ^b		Mekong Delta, Vietnam ^c
		Biotype 1	Biotype 2	Biotype 3			Hyderabad	Cuttack	
TN1	None	S	S	S	S	S	S	S	S
Mudgo	<i>Bph 1</i>	R	S	R	S	S	S	S	S
ASD7	<i>bph 2</i>	R	R	S	S	S	S	S	S
Rathu Heenati	<i>Bph 3</i>	R	R	R	R	R	S	S	R
Babawee	<i>bph 4</i>	R	R	R	R	R	R	S	S
Ptb 33	<i>bph 2, Bph 3</i>	R	R	R	R	R	R	R	R
ARC10550	<i>bph 5</i>	S	S	S	R	R	R	R	-

^aR = resistant, S = susceptible. ^bData from O. Mochida and E. A. Heinrichs, 1980. ^cData from N. L. Chau, Nguyen Cong Thuat, and Vu Thi Chai, 1991.

Rice resistance to leafhopper (LF) in tidal wetlands

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We field-tested 22 promising lines for resistance to LF in the tidal wetlands of Tarantang, South Kalimantan, during the 1991-92 wet season.

Seedlings of each line were transplanted 21 d after seeding at 25- × 25-cm spacing in a 20-m² plot with three replications. Recommended agronomic practices were followed. We evaluated LF damage 45 d after transplanting.

Line IR24637-38-2-2 is resistant and other lines are moderately resistant (see table). ■

Reaction of promising lines to LF. Tarantang, South Kalimantan, Indonesia, 1991-92 wet season.

Line	Score ^a	Reaction ^b	Line	Score ^a	Reaction ^b
IR24637-38-2-2	1	R	IR13426-19-2	3	MR
IR21567-9-2-2-3-1-3	3	MR	IR11288-B-B-69-1	3	MR
IR31429-14-2-3	3	MR	B5344-Sm-61-2-1	3	MR
IR31432-7-2	3	MR	B5332-3d-Mr-2-4	3	MR
IR51500-AC9-7	3	MR	B6992d-99-KA-2	3	MR
IR9884-54-3-1E-P1	3	MR	IR33353-64-1-3-1	3	MR
IR15865-430-3-1-3	3	MR	IR36	5	S

^aScored using 0-9 scale of *Standard evaluation system for rice*. ^bR = resistant, MR = moderately resistant, S = susceptible.

Reaction of IR varieties to the brown planthopper (BPH) population in Raipur, Madhya Pradesh, India

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Twenty-one IR varieties were tested against a BPH *Nilaparvata lugens*

population in a glasshouse at Raipur in 1991.

Ten-d-old seedlings of those varieties, susceptible check TN1, resistant check PTB33, and ASD7 and Mudgo were infested with 4- to 6-d-old BPH nymphs. We rated the injury of each seedling when more than 90% of the TN1 were dead.

Only IR62 and IR64 are resistant, IR34, IR36, and IR56 are moderately

Rice varieties showing resistance to RTSV infection.

IRGC acc. no.	Variety ^a	RTSV infection (%)		IRGC acc. no.	Variety ^a	RTSV infection (%)	
		Exp. 1	Exp. 2			Exp. 1	Exp. 2
177	Adday Sel.	0	0	26789	Shalya*	0	0
180	Adday Local Sel.	0	0	26791	Sham Rosh	0	0
4021	Binicol*	0	0	26813	Gogoj	0	0
5999	Pankhari 203*	0	1	27529	Bhoilush*	0	0
7366	PI 184675-2*	0	0	27779	Bara Pashawari 390	0	0
8261	Padi Kasalle	0	8	27781	Bara 413*	0	0
11062	G378	0	0	27787	Basmati Nahan 381	0	3
11751	Habiganj DW 8	0	0	27798	Basmati 1	3	0
12203	ARC6064*	0	0	27799	Basmati 43 A*	0	0
12274	ARC6561	0	0	27800	Basmati 93*	3	0
12310	ARC7007*	0	0	27803	Basmati 107*	0	0
12428	ARC10312	0	3	27804	Basmati 113*	0	0
12437	ARC10343	0	0	27805	Basmati 122*	0	0
14504	IR580 420-1-1-2	0	0	27814	Basmati 208*	0	0
14527	Barah	0	0	27818	Basmati 242	0	0
14649	Gendjah Melati	0	5	27821	Basmati 370 A*	0	0
14703	CPA86805-2*	0	0	27828	Basmati 376*	0	0
15769	Lawangeen*	0	6	27829	Basmati 377	0	0
16680	Utri Merah	3	0	27830	Basmati 388	0	0
16684	Utri Rajapan	0	0	27832	Basmati 405	0	3
19680	ARC10963	0	0	27833	Basmati 406	0	0
20600	ARC7321	0	0	27835	Basmati 427*	0	0
21164	ARC10980	0	0	27836	Basmati 433	0	0
21310	ARC11315	0	3	27856	Begumi 302	0	0
21337	ARC11346	5	3	27869	Chahora 144	0	0
21342	ARC11353	0	3	27870	Chahora 148	0	0
21473	ARC11554*	0	0	27872	Chahora 292	0	0
21474	ARC11555	0	0	27873	Chahora 382	0	0
21745	ARC11920	0	0	27916	Dhanlu 254	5	5
21958	ARC12170	0	0	27943	Hansraj 54*	0	0
22176	ARC12596	9	0	27946	Hansraj 62	0	0
22199	ARC12620	0	3	27947	Hansraj 189	0	0
22215	ARC12636	0	0	27948	Hansraj 197	0	3
22307	ARC12746	0	0	27951	Hansraj 365 A	0	0
22331	ARC12778	0	0	28102	P590	0	0
26253	Nep Bap	0	0	28320	Toga 286 A*	0	0
26295	Bale Betor*	0	0	28341	9*	0	0
26316	Birpala*	0	3	28450	361*	0	0
26410	Pala Bhir	0	3	28522	Gundrikbhog	6	0
26418	Shada Muta*	0	0	28867	AUS4	0	0
26495	Konek Chul	0	0	31746	Bish Katari*	5	0
26527	Shuli 2	0	0	36731	Firro E (1)	0	0
26560	Bharat*	0	0	37215	Matichakma	0	0
26582	Buchi 2	0	0	37337	Urman Sardar	0	2
26622	Gia Dhan*	0	5	37430	Ghigos	0	0
26633	Gurdoi*	0	5	37482	Kanakchul	0	0
26663	Kaisha Binni*	3	0	37488	Kashiabinni*	0	0
26703	Kurki*	0	0	37491	Katijan*	0	0
26715	Lao Bhug*	0	0	37761	Maliabhangor 1096	0	0
26784	Sakor	0	5	49996	Ovarkondoh	0	0

^aAsterisk indicates the possibility that apparent RTSV resistance may be due to vector resistance.

Pest resistance— insects

Screening entries in the International Rice Whitebacked Planthopper Nursery (IRWBPHN) 1991 for resistance to whitebacked planthopper (WBPH) in Ludhiana, India

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Sixty-seven entries, including two of TNI, of the ninth IRWBPHN were screened for resistance to WBPH *Sogatella furcifera* (Horvath) under

Promising entries with resistance to WBPH in IRWBPHN 1991. Ludhiana, India, 1991.

Entries scoring 3.0

IR12665-7-1-3-6
IR15527-21-2-3
IR31429-14-2-3
IR31785-58-1-2-3-3
IR2035-117-3
IR43342-10-1-1-3-3

Entries scoring 3.7

ARC6248 (local check)
Baggi Munji 22
BR4-34-13-5
BR850-9-1-1
B3906 D-14-ST-16-48-3
GH305
IR65

Entries scoring 4.3

IR13475-7-3-2
IR35366-40-3-3-2-2
IR43491-140-1-2-3

Entries scoring 5.0

Bamla Red 310-6
CR94-13
IR28526-44-1-1
IR29429-13-3-B-1-4
IR35293-125-3-2-3
IR35366-28-3-1-2-2
IR35366-62-1-2-2-3
IR39334-31-2-2-2
IR39357-45-3-2-3
IR60
Rami chudi
RP1442-2-2-3-5-1
RP1579-28-54
UPRH193
WC1240