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### REACTION OF CERTAIN RICE VARIETIES TO SHEATH BLIGHT AND SHEATH ROT DISEASES

Severe Crop losses due to Sheath blight caused by *Corticium sasakii* and Sheath rot caused by *Acrocyldrium oryzae* have been noticed in the paddy fields of Kuttanad and Onattukara, Hence a study was undertaken to screen the improved varieties in these localities against rice sheath blight and sheath rot. The experiment was conducted for two seasons in Rice Research Stations, Mancompu and Kayamkulam. The maximum disease score recorded out of the 4 trials is presented in Table 1. The disease intensity was scored following the "Standard Evaluation System for Rice" adopted by IRRI (1976), Out of 52 varieties tried, in 18 varieties score of sheath blight and sheath rot was in the range of 0—3. The tolerant varieties recorded are Basmati, IR24, IR26, IR29, Jaya, Jaganath, Mashoori, Pankaj, Rajeswari, Supriya, Sabari, RP4-14, RP9-4, M01, M02, M03, M11 57-5-1 and TKM6.

Variety	Reaction to diseaes (Score 0 — 9)							
	Sheath blight		Sheath rot		Sheath blight		Sheath rot	
Annapurna	4.1	3.6	IR30	5.4	1.7	Supriya	2.8	0.0
Anupama	2.6	4.2	Jaya	2.8	0.0	Suma	4.0	3.8
Aurobindo	3.6	1.6	Jyothi	4.0	0.0	Sabari	2.2	2.2
Aswathy	3.6	2.5	Jaganath	2.4	1.2	Sathya	2.7	3.2
Bala	4.0	2.6	Jamuna	5.4	1.2	Sakthi	4.6	1.2
Bharathy	3.4	1.2	Jayanthi	5.0	0.0	Surya	7.0	3.2
Bhavani	4.6	1.8	Karuna	8.6	5.8	Suhasini	6.0	1.2
Basmathi	3.0	1.6	Kanchi	6.2	1.6	Vijaya	2.4	3.8
Blue-bonnet	4.6	0.0	Mashoori	3.0	1.8	H4	4.0	0.0
IR5	4.8	4.0	Mala	3.4	2.4	Hema	3.8	1.8
IR8	5.8	4.6	Madhu	7.4	2.4	RP4-14	1.4	0.0
IR20	3.2	2.8	Pusa 2-21	6.3	0.6	RP9-4	2.0	0.0
IR22	4.6	0.0	Pankaj	1.0	1.8	Triveni	6.0	0.0
IR24	1.9	0.0	Fadma	4.2	1.6	MO1	0.0	0.0
IR26	3.0	2.8	Ratna	6.2	3.4	MO2	0.6	0.0
IR28	6.6	1.0	Rajeswari	1.2	2.8	MO3	0.0	0.0
IR29	2.0	0.0	Rohini	4.4	4.2	M11 57-5-1	1.7	0.0
						TKM-6	2.6	0.0

## സംഗ്രഹം

അൻപത്തിരണ്ട് വിവിധ ഇനം നെൽവിത്തുകൾ പരീക്ഷിച്ചതിൽ 18 ഇനത്തിന് ഷീത്തുഡ്രൈറ്റ്, ഷീത്തുറോട്ട് എന്നീ കമീം രോഗങ്ങളെ താരതമ്യേന ചെറുതു നിൽക്കാൻ കഴിവുള്ളതായി കണ്ടു.

## REFERENCE

Standard Evaluation System for Rice - International Rice Testing Programme. The International Rice Research Institute. Philippines 1976.

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