

Variety

DRR Dhan 50

Samba Mahsuri sub-1*

with qDTY2.1& 3.1

Product Profile

DRR Dhan 50 was released in 2018 by IIRR, Hyderabad is similar to Samba Mashuri with a dual abiotic stress tolerance against submergence and drought. Recommended for irrigated or transplanted low land and drought prone areas. It has strong culm, erect leaves and just exerted panicle. Medium slender grain with good cooking quality. Moderately resistant to BLB and blast.

Priority Market Segment - TLaS-R

Planting Method		Ecosystem		
PTR	DSR	Irrigated Lowland	Rainfed Lowland	Upland
Recommended	Not Recommended	Not Recommended	Recommended	Not Recommended

Positioning

Position	Irrigated Lowland	Rainfed Lowland	Upland
Replace	None	Samba Mashuri	None
Companion	None	MTU 1075	None

Key Strengths

- Dual stress tolerant
- MS fine grain
- Moderately resistant to BLB and blast
- Non lodging
- Fine grain, Good cooking quality

Considerations

- Susceptible to leaf folder

Relative Variety Performance - Grain Yield and Agronomic Traits

Variety	Grain yield		Maturity (days)	Plant height (cm)	Lodging	HRR %	Amylose content %	1000 grain weight (g)
	(Kg/ha)	% Adv						
DRR Dhan 50	5500-6000	0	135-140	90-95	Tolerant	59.7	23	25.2
Samba Mahsuri	5500-6500		135	80-90	Tolerant	65.2	22.5	22.6

Relative Variety Performance - Biotic and Abiotic Stress

Variety	Leaf blast	Leafblight	Sheath blight	BPH
DRR Dhan 50	Tolerant	Tolerant	Tolerant	Tolerant
Samba Mahsuri	Resistant	Susceblible	Tolerant	Susceblible

Producibility: DRR dhan 50 = 2400 Kgs. / acre

Recommendation: Released for cultivation in Andhra Pradesh, Telangana, Tarnilnadu, Karnataka, Bihar, Odisha, Chhattisgarh, Uttar Pradesh and Madhya Pradesh

*Parental line (s) from IRRI germplasm

