

Variety

CR Dhan 800*

CRMAS 2232- 85 (IET 20672)

Swarna 4 / IRBB-60

Product Profile

CR Dhan 800 is a late maturity, medium slender grain variety, developed by NRRI Cuttack for shallow low land ecology in Odisha in 2016. With moderate resistance to bacterial leaf blight and sheath rot, CR dhan has the average yield record of 5.7 tons per hectre. The variety has Sub1 gene introgressed for submergence tolerance characteristic. Dwarf plant type, Intermediate threshability and high response to fertilizers make this variety acceptable among farmers.

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	Swarna	None
Companion	None	CR Dhan 801	None

Key Strengths

- Good yield
- Medium slender grain
- Submergence tolerance
- High HRR; Excellent eating quality
- Resistant to Leaf blight

Considerations

- Late maturity
- Low yield in stress condition

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						
CR Dhan 800	5700		140	85-90	Tolerant	66.7	24	18.98
Swarna	5500-6000		140	85-90	Susceptible	69	26	16

Relative Variety Performance - Biotic and Abiotic Stress

Variety	Leaf blast	Leaf blight	Sheath rot	BPH	Gall midge	Submergence
CR Dhan 800	Tolerant	Resistant	Resistant	Resistant	Resistant	Tolerant
Swarna	Susceptible	Resistant	Susceptible	Susceptible	Susceptible	Susceptible

Producibility: CR dhan800=2280Kgs. / acre

Recommendation: Released for cultivation in Odhisa

*Parental line (s) from IRRI germplasm

