

# CR Dhan 800\*

CRMAS 2232- 85 (IET 20672)

(Swarna sub1 4\* IRBB 60)

## Product Profile

CR Dhan 800, developed by NRRI, Cuttack in 2016, is a late-maturing variety featuring medium-slender grains, best suited for cultivation in the shallow lowland ecology of Odisha. Exhibiting moderate resistance to bacterial leaf blight and sheath rot, it boasts an impressive average yield of 5.7 tons per hectare. CR Dhan 800 has Sub1 gene introgressed for submergence tolerance characteristic. Its dwarf plant type, intermediate threshability, and high responsiveness to fertilizers make it widely embraced 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, Agronomic Traits and Grain Shape

Variety	Grain yield		Maturity (days)	Plant height (cm)	Lodging	HRR %	1000 grain weight (g)	Grain Shape
	(Kg/ha)	% Adv						
CR Dhan 800	5500-6000	-	135-140	85-90	Tolerant	67	19	MS
Swarna	5500-6000		140-145	85-90	Susceptible	69	16	MS

## 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 Dhan 800=2280Kgs. / acre

**Recommendation:** Released for cultivation in Odhisa

