

# Variety

**CR Dhan 102 (Santha Bhima)\***

IR 78875 / IR 78877

## Product Profile

CR Dhan 102, also known as Santha Bhima is a 110-day variety released by ICAR-NRRI in the year of 2020. With medium height and short bold grain, this variety is suitable for upland ecosystem where water deficit is recurrent. CR Dhan 102 exhibits tolerance against major diseases and pests. The average grain yield of this variety is 3.9 t/ha.

### Priority Market Segment - TEMS-I

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

### Positioning

Position	Irrigated Lowland	Rainfed Lowland	Upland
Replace	Khandagiri	None	None
Companion	Sahabagi Dhan	None	None

### Key Strengths

- Suitable for upland
- Medium slender grain; High HRR
- Early maturity
- Tolerant to major diseases and insect pests

### Considerations

- Relatively low yield

### Relative Variety Performance - Grain Yield and Agronomic Traits

Variety	Grain yield		Maturity (days)	Plant height (cm)	Lodging	Shattering	1000 grain weight (g)	HRR %	Amylose content %
	(Kg/ha)	% Adv							
CR Dhan 102	3900	-	105-110	100	Tolerant	Tolerant	22	64.00	21.5
Khandagiri	3200		100	85-90	Tolerant	Tolerant	20.7	63.5	23.6

### Relative Variety Performance - Biotic and Abiotic Stress

Variety	Leaf blast	Rice tungro	Green leafhopper	Stem borer	Leaf folder	Drought
CR Dhan 102	Tolerant	Tolerant	Resistant	Tolerant	Tolerant	High
Khandagiri	Tolerant	Susceptible	Susceptible	Tolerant	Tolerant	Low

**Producibility:** CR Dhan 102= 1560Kgs. /acre

**Recommendation:** For planting in upland ecosystem in Odisha



\*Parental line (s) from IRRI germplasm