

Variety

CR Dhan 802*

Swarna-Sub14 /IR81896-BB-195

Product Profile

CR Dhan-802 (Subhas) is a late maturity, medium height, short bold grain, high yielding variety widely adaptable in India under rainfed low land conditions. Developed by NRRI and released in 2019 for cultivation in the states of MP and Bihar. Tolerant to submergence and drought. It produces an average yield of 6.5 t ha⁻¹ under normal condition and 4.3 t ha⁻¹ under submergence while 2.3 t ha⁻¹ under drought conditions. Tolerant to major diseases and pests.

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	Swarna sub 1	None

Key Strengths

- Submergence and drought tolerant
- Medium height; Profuse tillering
- Good HRR, short bold grain
- Resistant to stem borer, leaf folder, plant hopper, case worm
- Moderately resistance to BLB, sheath rot
- Rice Tungro virus

Considerations

- Low yield in stress conditions

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 802	6000-6500	(8)	145	102	Tolerant	64	25	20.4
Swarna	5500-6000		145	85-90	Susceptible	69	26	16

Relative Variety Performance - Biotic and Abiotic Stress

Variety	Leaf blast	Leaf blight	Sheath blight	BPH	Gall midge	Submergence	Drought
CR Dhan 802	Resistant	Resistant	Resistant	Resistant	Tolerant	Tolerant	Tolerant
Swarna	Susceptible	Resistant	Susceptible	Susceptible	Susceptible	Susceptible	Susceptible

Producibility: CR Dhan 802 = 2200Kgs. / acre

Recommendation: Released for cultivation in Madhya Pradesh and Bihar

*Parental line (s) from IRRI germplasm

