

Variety

Cottondora Sannalu

(MTU-1010)

(Krishnaveni x IR64*)

Product Profile

A high yielding, early maturity, medium tall, long slender heavy grain mega variety grown extensively in India under Irrigated lowland conditions. Developed and released in 2000 by ANGRAU (Maruteru) by hybridization of a local variety 'Krishnaveni' with IR64, a popular rice variety from IRRI. Excellent productive tillering and sturdy stem. Susceptible to leaf and sheath blight and BPH. Tolerant to leaf blast.



Priority Market Segment - TLAS-R

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	IR-64	None	None
Companion	Vijetha	None	None

Key Strengths

- Good yield
- Medium tall; Sturdy stem
- Long slender heavy grain
- Early maturity
- Tolerant to Leaf blast
- Excellent productive tillers

Considerations

- Susceptible to Leaf & Sheath blight and BPH
- Average performance in low phosphorus soil
- Prone to shattering

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						
Cottondora Sannalu (MTU-1010)	4000-4500	5	115-120	105-108	Tolerant	57.0	22.6	24.3
IR-64	4000-4300		115-120	100-105	Tolerant	49.1	24.5	23.1

Relative Variety Performance - Biotic and Abiotic Stress

Variety	Leaf blast	Leaf blight	Sheath blight	BLB	Drought
Cottondora Sannalu (MTU-1010)	Tolerant	Susceptible	Susceptible	Susceptible	Susceptible
IR-64	Tolerant	Resistant	Susceptible	Tolerant	Susceptible

Producibility: Cottondora Sannalu (MTU-1010) = 1600-1800Kgs. / acre

Recommendation: Released for cultivation in Andhra Pradesh, Telangana, Odisha & west Bengal. Zonal check in advance varietal trial (mid-early) in central and southern India.



*Parental line (s) from IRRI germplasm