

Variety

Nua Dhusara

IET 18395

(Pure line selection of Kalajeera)



Product Profile

Nua Dhusara is long duration, short grained aromatic variety released in 2008. It matures in about 145 days. It has a yield potential of 3.5 ton per hectre and grown largely in Odisha. It shows moderate tolerance to Sheath blight, BLB, Leaf Blast, Sheath rot, Stem borer, and Gall midge-5 and performs well under organic nutrient management. It has potential for commercialization as a premium quality rice.

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	Kalajeera	None

Key Strengths

- Good Aroma
- Long panicle
- High HRR
- Excellent translucent short medium aromatic rice
- Moderately resistant to Sheath Rot, Sheath Blight, and Neck Blast
- High elongation ratio (2.05), Soft GC (62mm)

Considerations

- Low yield
- Tall plant
- Average grain weight
- Photo sensitive

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						
Nua Dhusara	3000-3500		145-150	142	Tolerant	68	23	18

Relative Variety Performance - Biotic and Abiotic Stress

Variety	Leaf blast	RTV	Sheath blight	Sheath rot	Stem borer	Gall midge
Nua Dhusara	Tolerant	Tolerant	Tolerant	Tolerant	-	Tolerant

Producibility: Nua Dhusara = 1400Kgs. / acre

Recommendation: Released for cultivation in Odisha

