

Variety

Nua Kalajeera

IET 18393

(Pure line selection of Kalajeera)

Product Profile

With strong aroma and short bold grain Nua Kalajeera was developed in 2008 jointly by OUAT and NRI through pure line selection from local Kalajeera. Tall late maturing variety has distinct black husk color with high iron and zinc content. Has longer shelf life and identified by APEDA as one of most popular landraces for commercialized export. It is popular for pudding, used for festival and other special occasions by the tribals. It performs well under organic nutrient management.

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
- Longer shelf life
- High HRR
- Profuse tillering; Tolerant to lodging
- Moderately resistant to Sheath Rot, Sheath Blight, and Blast
- Long and dense panicle

Considerations

- Low yield
- Tall Plant
- Low 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 Kalajeera	3000		145-150	140	Tolerant	62	23	15

Relative Variety Performance - Biotic and Abiotic Stress

Variety	Leaf blast	Leaf blight	Sheath blight	Sheath rot	Yellow Stem borer	Gall Midge
Nua Kalajeera	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant

Producibility: Variety: Nua Kalajeera = 1100Kgs. / acre

Recommendation: Released for cultivation in Odisha



Crop cafeteria
Nua Kalajeera