

Variety

Kalachampa

Pure line selection from
Keonjhar Kalachampa (FV-152)

Product Profile

A high yielding, late duration, medium bold grain variety released by Department of Agriculture, government of Odisha in 2015 for the cultivation in lowland ecology. Kalachampa is non lodging, fertilizer responsive, suitable for normal sowing and late sowing. Highly acceptable among the farmers due to its high yield and resistance to biotic stress. Tolerant to major diseases and pests in normal conditions in Odisha.

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	Pooja	None
Companion	None	CR Dhan 409/508	None

Key Strengths

- High yield
- Good responses to fertilizer
- Strong straw strength, non lodging
- Tolerant to major abiotic and biotic stresses

Considerations

- Relatively later maturity
- Photosensitive

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						
Kalachampa	7000	17	105	Tolerant	Tolerant	64	24	23
Pooja	5000-6000		90-95	Tolerant	Susceptible	54	22	20

Relative Variety Performance - Biotic and Abiotic Stress

Variety	Leaf blast	Leaf blight	Sheath blight	BPH	Gall midge	Leaf folder
Kalachampa	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant	Tolerant
Pooja	Tolerant	Tolerant	Susceptible	Susceptible	Resistant	Tolerant

Producibility: Kalachampa=2800Kgs. / acre

Recommendation: Released for cultivation in Odisha

