

# MTU 1223 (Varsha)

(MTU 1081/MTU 1064)



## Product Profile

MTU-1223 (VARSHA), a high-yielding, late-maturing variety with medium-slender grains, was developed through pedigree breeding by ANGRAU University (Maruteru) in 2019. Specifically recommended for rainfed shallow lowland ecologies in Odisha and Bihar, this variety matures in 150 days and can yield an average of 6 tons per hectare. MTU-1223 exhibits moderate tolerance to bacterial leaf blight, leaf blast, neck blast, and stem borer, enhancing its resilience to common pests and diseases.

### Priority Market Segment - TLaMF-R/I

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 508	None

### Key Strengths

- Good yield
- Medium height; Sturdy stem
- Profuse tillering and compact panicles
- Resistant to Blast and BLB
- Low shattering of grains (<2%)
- Highly translucent kernels with high head rice recovery of 64%

### Considerations

- Late maturity

### Relative Variety Performance - Grain Yield, Agronomic Traits and Grain Shape

Variety	Grain yield		Maturity (days)	Plant height (cm)	Lodging	HRR %	1000 grain weight (g)	Grain Shape
	(Kg/ha)	% Adv						
MTU 1223 (Varsha)	6000-6500	8	145-150	115-120	Tolerant	64	18	MS
Pooja	5000-6000	-	150-155	90-95	Susceptible	54	20	MS

### Relative Variety Performance - Biotic and Abiotic Stress

Variety	Leaf blast	Leaf blight	Sheath blight	BPH
MTU 1223 (Varsha)	Tolerant	Tolerant	Tolerant	Tolerant
Pooja	Tolerant	Susceptible	Susceptible	Susceptible

**Producibility:** MTU 1223 (Varsha) = 2400Kgs. / acre

**Recommendation:** Released for cultivation in Bihar and Odisha

