



Mahatma Phule Krishi Vidyapeeth, Rahuri

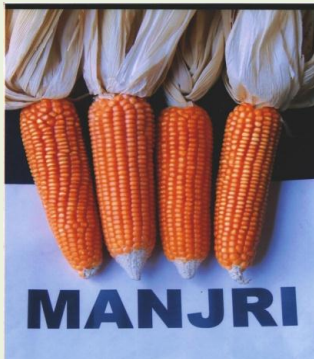
Information about Crop wise Improved / Hybrid Varieties Developed by University

Improved / Hybrid Varieties of Maize

Hunis

Release year	1977
Name of Institute / University	Mahatma Phule Krishi Vidyapeeth, Rahuri
Soil type	Medium to Heavy
Climate	25 ⁰ to 35 ⁰ C
Sowing Time / Planting period	Kharif – 15 th June to 15 th July Rabi – 15 th October to 15 th November
Seed Rate (Per acre)	06 to 08 kg
Crop duration	85 to 95 days
Productivity	45 to 50 qt/ha.
Characters / features	A. Suitable for <i>Kharif – Rabi</i> . B. Suitable for intercropping in sugarcane. C. Moderately resistant to stem borer & rust. D. Yellow grains.
Remarks	Selection from 30 parents from Hungeri (USA) and India.

Manjri (Composite)



Release year	1980
Name of Institute / University	Mahatma Phule Krishi Vidyapeeth, Rahuri
Soil type	Medium to Heavy
Climate	25 ⁰ to 35 ⁰ C
Sowing Time / Planting period	Kharif – 15 th June to 15 th July Rabi – 15 th October to 15 th November
Seed Rate (Per acre)	06 to 08 kg
Crop duration	100 to 110 days
Productivity	50 to 55 qt/ha.
Characters / features	A. Suitable for grain as well as fodder purpose. B. Resistant to major pests and diseases.
Remarks	Selection from population Improvement Method.



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Panchganga (Composite)



	Release year	1986
	Name of Institute / University	Mahatma Phule Krishi Vidyapeeth, Rahuri
	Soil type	Medium to Heavy
	Climate	25 ⁰ to 35 ⁰ C
	Sowing Time / Planting period	Kharif – 15 th June to 15 th July Rabi – 15 th October to 15 th November
Seed Rate (Per acre)	06 to 08 kg	
Crop duration	85 to 95 days	
Productivity	45 to 55 qt/ha.	
Characters / features	A. It is early maturing composite. B. It has white semi flint grains. C. Moderately resistant to major pests and diseases.	
Remarks	Evolved by ear to row selection method from the CIMMYT-Pool-15.	

Karveer (MPQ-13) (Composite)

	Release year	2005
	Name of Institute / University	Mahatma Phule Krishi Vidyapeeth, Rahuri
	Soil type	Medium to Heavy
	Climate	25 ⁰ to 35 ⁰ C
	Sowing Time / Planting period	Kharif – 15 th June to 15 th July Rabi – 15 th October to 15 th November
Seed Rate (Per acre)	06 to 08 kg	
Crop duration	95 to 100 days	
Productivity	52-55 qt/ha. (<i>Kharif</i>) 65-68 qt/ha. (<i>Rabi</i>).	
Characters / features	A. Medium maturity. B. Non lodging. C. Moderately resistant to <i>Chilo partellus</i> and <i>Sitophilus oryzae</i> . D. Moderately resistant to <i>Turcicum</i> leaf blight, maydis leaf blight and common rust.	
Remarks	06 to 08 kg	



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Rajarshi (Hybrid)



	Release year	2009
	Name of Institute / University	Mahatma Phule Krishi Vidyapeeth, Rahuri
	Soil type	Medium to Heavy
	Climate	25 ⁰ to 35 ⁰ C
	Sowing Time / Planting period	Kharif – 15 th June to 15 th July Rabi – 15 th October to 15 th November
Seed Rate (Per acre)	05 to 06 kg	
Crop duration	95 to 100 days	
Productivity	70-75 qt/ha. (Kharif), 95-100 qt/ha. (Rabi).	
Characters / features	A. Suitable for <i>Kharif</i> & <i>Rabi</i> season. B. High starch content (72.25 %). C. Resistant to <i>Chilo partellus</i> & <i>Sitophilus oryzae</i> . D. Moderately resistant to <i>Turcicum</i> leaf blight, maydis leaf blight and common rust.	
Remarks	High yielding Single Cross Hybrid derived from crossing of GPM-456 x GPM-342	

Phule Maharshi (QMH-1025) (Hybrid)



	Release year	2016
	Name of Institute / University	Mahatma Phule Krishi Vidyapeeth, Rahuri
	Soil type	Medium to Heavy
	Climate	25 ⁰ to 35 ⁰ C
	Sowing Time / Planting period	Kharif – 15 th June to 15 th July Rabi – 15 th October to 15 th November
Seed Rate (Per acre)	05 to 06 kg	
Crop duration	95 to 100 days	
Productivity	75-80 qt/ha. (Kharif), 85-90 qt/ha. (Rabi).	
Characters / features	A. Suitable for <i>Kharif</i> & <i>Rabi</i> season. B. Resistant to <i>Chilo partellus</i> & <i>Sitophilus oryzae</i> . C. Resistant to <i>Turcicum</i> leaf blight, maydis leaf blight, Banded leaf and sheath blight and charcoal rot. D. Medium maturity.	
Remarks	High yielding Single Cross Hybrid derived from crossing of QMI-1403 x QMI-1401	



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Phule Madhu (QMHC-1182) Sweet Corn Hybrid



	Release year	2016
	Name of Institute / University	Mahatma Phule Krishi Vidyapeeth, Rahuri
	Soil type	Medium to Heavy
	Climate	25 ⁰ to 35 ⁰ C
	Sowing Time / Planting period	Kharif – 15 th June to 15 th July Rabi – 15 th October to 15 th November
	Seed Rate (Per acre)	05 to 06 kg
	Crop duration	80 to 85 days (Green cobs)
	Productivity	125-130 qt/ha.
	Characters / features	A. Suitable for <i>Kharif</i> season. B. Resistant to <i>Chilo partellus</i> & <i>Sitophilus oryzae</i> . C. Resistant to <i>Turcicum</i> leaf blight, maydis leaf blight, Banded leaf and sheath blight and charcoal rot. D. Medium maturity. E. Sweetness (Brix %): 14.89%
	Remarks	High yielding Sweet Corn Hybrid derived from crossing of QMISC-1407 x QMISC-1408

Maize hybrid Phule Umed (QMH 1701)



	Release year	2023
	Name of Institute / University	Mahatma Phule Krishi Vidyapeeth, Rahuri
	Soil type	Medium to Heavy
	Climate	25 ⁰ to 35 ⁰ C
	Sowing Time / Planting period	Kharif – 15 th June to 15 th July
	Seed Rate (Per acre)	15 to 20 kg
	Crop duration	95-100 days
	Productivity	87.56 qt/ha.
	Characters / features	Higher protein content (9.73 %) Resistant to <i>Turcicum</i> leaf blight (TLB), <i>Maydis</i> leaf blight (MLB), <i>Curvularia</i> leaf spot (CLS) and Rust. Resistant to stem borer and moderately resistant to FAW
	Remarks	Suitable for <i>Kharif</i> season in Maharashtra.



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Maize Hybrid Phule Champion (QMH-1819)



	Release year	2023
	Name of Institute / University	Mahatma Phule Krishi Vidyapeeth, Rahuri
	Soil type	Medium to Heavy
	Climate	25 ⁰ to 35 ⁰ C
	Sowing Time / Planting period	Kharif – 15 th June to 15 th July
Seed Rate (Per acre)		15 to 20 kg
Crop duration		90-95 days
Productivity		91.82 qt/ha.
Characters / features		Higher protein content (9.84 %). Resistant to <i>Turcicum</i> leaf blight (TLB), <i>Maydis</i> Leaf blight (MLB), <i>Curvularia</i> leaf spot (CLS) and Rust. Resistant to stem borer and moderately resistant to FAW
Remarks		Suitable for <i>Kharif</i> season in Maharashtra.