




## Mahatma Phule Krishi Vidyapeeth, Rahuri


### Information about Crop wise Improved / Hybrid Varieties Developed by University

#### Improved / Hybrid Varieties of Bajra

##### Shradha (RHRBH 8609) (Hybrid)

	Release year	1990 (State Release)
	Name of Institute / University	MPKV, Rahuri
	Soil type	lighter to medium
	Climate	Bajra growing areas of the scarcity zone of Maharashtra State in kharif season.
	Sowing Time / Planting period	15 <sup>th</sup> June to 15 <sup>th</sup> July
Seed Rate (Per acre)	1.5 kg	
Crop duration	70 to 75 days (early maturity)	
Productivity	25 to 27 q/ha	
Characters / features	Early maturity hybrid, Bold and gary colour seed, Compact earhead, Bristles on earhead hence less affected by birds, Resistant to downy mildew disease.	

##### Saburi (RHRBH 8924) (Hybrid)


	Release year	1995
	Name of Institute / University	MPKV, Rahuri
	Soil type	Lighter to medium
	Climate	
	Sowing Time / Planting period	15 <sup>th</sup> June to 15 <sup>th</sup> July
Seed Rate (Per acre)	1.5 kg	
Crop duration	76 to 80 days	
Productivity	28 to 30 q/ha	
Characters / features		




## Mahatma Phule Krishi Vidyapeeth, Rahuri

### Information about Crop wise Improved / Hybrid Varieties Developed by University

#### Hybrid Shanti (RHRBH 9808)

	Release year	2006 (National Release)
	Name of Institute / University	MPKV, Rahuri
	Soil type	lighter to medium
	Climate	Western Maharashtra under kharif rainfed situation.
	Soing Time / Planting period	15 <sup>th</sup> June to 15 <sup>th</sup> July
	Seed Rate (Per acre)	1.5 kg
	Crop duration	80 to 85 days (medium maturity)
	Productivity	30 to 31 q/ha
	Characters / features	Medium maturity hybrid, Mid-tall shorter than shradhha & Saburi, Bold grain with good colour, Good bread quality, National Level Release

#### Variety Dhanshakti ICTP 8203 10-2 Fe)

	Release year	2012
	Name of Institute / University	Bajra Research Station, Dhule & ICRISAT, Patancheru, Telangana
	Soil type	light to medium
	Climate	Bajra growing area of India under kharif rainfed situation.
	Sowing Time / Planting period	15 <sup>th</sup> June to 15 <sup>th</sup> July
	Seed Rate (Per acre)	1.5 kg
	Crop duration	74 to 78 days (early maturity)
	Productivity	22 q/ha
	Characters / features	High Fe content (81 ppm), Early maturing variety, Bold globular grain with gray colour, Tolerant to downy mildew disease, Specifically suitable for drought prone environments, State & National Release



## Mahatma Phule Krishi Vidyapeeth, Rahuri

### Information about Crop wise Improved / Hybrid Varieties Developed by University

#### Hybrid Phule Aadishakti (DHBH 9071)



<b>Release year</b>	2015
<b>Name of Institute / University</b>	Bajra Research Station, Dhule
<b>Soil type</b>	light to medium
<b>Climate</b>	Bajra growing area of Maharashtra under kharif rainfed situation.
<b>Sowing Time / Planting period</b>	15 <sup>th</sup> June to 15 <sup>th</sup> July
<b>Seed Rate (Per acre)</b>	1.5 kg
<b>Crop duration</b>	80 to 85 days (medium maturity))
<b>Productivity</b>	32-34 q/ha
<b>Characters / features</b>	Resistant to downy mildew disease, Bold globular grain with gray colour, Beneficial to seed producer due to high yielding female, Good bread quality, State Release

#### Hybrid Phule Mahashakti (DHBH 1211)



<b>Release year</b>	2017 ( State Release)
<b>Name of Institute / University</b>	Bajra Research Station, Dhule & ICRISAT, Patancheru, Telangana
<b>Soil type</b>	light to medium
<b>Climate</b>	Bajra growing area of Maharashtra under kharif rainfed situation.
<b>Sowing Time / Planting period</b>	15 <sup>th</sup> June to 15 <sup>th</sup> July
<b>Seed Rate (Per acre)</b>	1.5 kg
<b>Crop duration</b>	85 to 90 days
<b>Productivity</b>	29-30 q/ha
<b>Characters / features</b>	High Fe content (87 ppm), Very compact earhead, bold globular grain with gray colour, Tolerant to downy mildew disease.



## Mahatma Phule Krishi Vidyapeeth, Rahuri

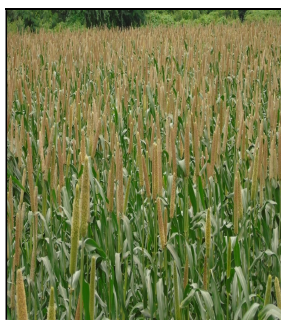
### Information about Crop wise Improved / Hybrid Varieties Developed by University

#### MH 2114 (DHBH 1397)



<b>Release year</b>	2018 ( National Release)
<b>Name of Institute / University</b>	Bajra Research Station, Dhule
<b>Soil type</b>	light to medium
<b>Climate</b>	Bajra growing area of India A zone (rainfall below 400mm) Rajasthan, Haryana, Punjab, UP, MP, Delhi and Gujarat under <i>kharif</i> rainfed situation.
<b>Sowing Time / Planting period</b>	15 <sup>th</sup> June to 15 <sup>th</sup> July
<b>Seed Rate (Per acre)</b>	1.5 kg
<b>Crop duration</b>	78 to 80 days
<b>Productivity</b>	34-35 q/ha
<b>Characters / features</b>	Medium maturing hybrid, Long compact earhead, bold globular grain with gray colour, Resistant to downy mildew disease.

#### Bajra hybrid Phule 21075 [DHBH -21075]



<b>Release year</b>	2025
<b>Name of Institute / University</b>	Bajra Research Station, Dhule
<b>Soil type</b>	Light to medium
<b>Climate</b>	Recommended for kharif season in Maharashtra
<b>Sowing Time / Planting period</b>	15 <sup>th</sup> June to 15 <sup>th</sup> July
<b>Seed Rate (Per acre)</b>	1.5 kg
<b>Crop duration</b>	78 to 80 days
<b>Productivity</b>	30.36 q/ha
<b>Characters / features</b>	High content of Iron (75 ppm) and Zinc (42 ppm), compact earhead, bold, globular and gray colour grains, resistant to Downey mildew and Blast disease, suitable for bajra growing area of Maharashtra






## Mahatma Phule Krishi Vidyapeeth, Rahuri


### Information about Crop wise Improved / Hybrid Varieties Developed by University

#### Improved / Hybrid Varieties of Paddy

##### Radhanagari 185-2

	Release year	1974
	Name of Institute / University	Agricultural Research Station, Radhanagari, Dist. Kolhapur
	Soil type	Light to Medium
	Climate	Warm and Humid, Rainfall more than 800 mm
Sowing Time / Planting period	May 15 – June 15 The crop should be Transplanted 20 to 24 days after sowing	
Seed Rate (Per acre)	Transplanting Method – 15 – 18 kg / Acre Dibbling Method – 20 – 25 kg / Acre Drilling Method - 35 – 40 kg / Acre	
Crop duration	105 to 110 days	
Productivity	35 to 40 qt./ha.	
Characters / features	A. Dwarf, Early duration B. Short Bold grain, Non-Scented C. Broad leaves	
Remark	Released for cultivation in western Maharashtra. Popular for puffed and parched rice.	

##### Darna


	Release year	1980
	Name of Institute / University	Zonal Agriculture Research Station, Igatpuri Dist. Nasik
	Soil type	Lite to Medium
	Climate	Warm and Humid
Sowing Time / Planting period	June-July	
Seed Rate (Per acre)	12-15 Kg./Acre	
Crop duration	130 to 135 Days	
Productivity	35 to 40 qt./ha.	
Characters / features	Long Slender grain , Non-Scented, Suitable for very light soil, Resistant to BLB, Resistant to Stem borer	




## Mahatma Phule Krishi Vidyapeeth, Rahuri

### Information about Crop wise Improved / Hybrid Varieties Developed by University

#### Indrayani

	Release year	1987
	Name of Institute / University	Agricultural Research Station, Vadgaon Maval, Dist. Pune
	Soil type	Light to medium
	Climate	Tropical and warm climate. Rainfall 800 mm and above. Temperature 25 to 35 °C and humidity more than 65-70%.-
Sowing Time / Planting period	Nursery- June Transplanting- July	
Seed Rate (Per acre)	Transplanted Paddy- 12-15 kg./Acre Drilling - 30-35 kg./Acre	
Crop duration	135-140 days	
Productivity	40-45 qt./ha.	
Characters / features	A. Long slender, scented, translucent, midlate. B. Moderately resistant to blast and blight.	

#### Kundalika


	Release year	1988
	Name of Institute / University	Agricultural Research Station, Vadgaon Maval, Dist. Pune
	Soil type	Light to medium
	Climate	Tropical and warm climate. Rainfall of 800 mm and above. Temperature of 25 to 35 °C and humidity more than 65-70%.-
Sowing Time / Planting period	Nursery- June Transplanting- July	
Seed Rate (Per acre)	Transplanted Paddy- 8-10 kg./Acre Drilling - 20-25 kg./Acre	
Crop duration	125-130 days	
Productivity	30-35 qt./ha.	
Characters / features	A. Short slender, midlate variety, suitable for shallow soils B. Moderately resistant to blast.	




## Mahatma Phule Krishi Vidyapeeth, Rahuri

### Information about Crop wise Improved / Hybrid Varieties Developed by University

#### Pawana

	Release year	1988
	Name of Institute / University	Agricultural Research Station, Vadgaon Maval, Dist. Pune
	Soil type	Light to medium
	Climate	Tropical and warm climate. Rainfall of 800 mm and above. Temperature 25 to 35 °C and humidity more than 65-70%.-
Sowing Time / Planting period	Nursery- June Transplanting- July	
Seed Rate (Per acre)	Transplanted Paddy- 12-15 kg./Acre Drilling - 30-35 kg./Acre	
Crop duration	115-120 days	
Productivity	35-40 qt./ha.	
Characters / features	A. Long slender, early variety having awns. B. Moderately resistant to blast.	

#### Phule Maval

	Release year	2000
	Name of Institute / University	Agricultural Research Station, Vadgaon Maval, Dist. Pune
	Soil type	Light to medium
	Climate	Tropical and warm climate. Rainfall of 800 mm and above. Temperature 25 to 35 °C and humidity more than 65-70%.-
Sowing Time / Planting period	Nursery- June Transplanting- July	
Seed Rate (Per acre)	Transplanted Paddy- 12-15 kg./Acre Drilling - 30-35 kg./Acre	
Crop duration	125-130 days	
Productivity	40-45 qt./ha.	
Characters / features	A. Long bold, midlate, translucent grain. B. Moderately resistant to blast and blight	



## Mahatma Phule Krishi Vidyapeeth, Rahuri

### Information about Crop wise Improved / Hybrid Varieties Developed by University

#### Phule Radha



<b>Release year</b>	2006
<b>Name of Institute / University</b>	Agricultural Research Station, Radhanagari, Dist. Kolhapur
<b>Soil type</b>	Light to Medium
<b>Climate</b>	Warm and Humid, Rainfall more than 800 mm
<b>Sowing Time / Planting period</b>	Sowing time : May 15 – June 15 The crop should be Transplanted 20 to 24 days after sowing
<b>Seed Rate (Per acre)</b>	Transplanting Method – 12 – 15 kg / Acre Dibbling Method – 20 – 25 kg / Acre Drilling Method - 30 – 35 kg / Acre
<b>Crop duration</b>	115 to 120 days
<b>Productivity</b>	40 to 45 qt./ha
<b>Characters / features</b>	A. Medium Height, Early duration B. Short Slender grain, Non-Scented C. Broad leaves D. Moderately resistant to BLB

#### Bhogavati




<b>Release year</b>	2006
<b>Name of Institute / University</b>	Agricultural Research Station, Radhanagari, Dist. Kolhapur
<b>Soil type</b>	Light to Medium
<b>Climate</b>	Warm and Humid, Rainfall more than 800 mm
<b>Sowing Time / Planting period</b>	Sowing time : May 15 – June 15 The crop should be Transplanted 25 to 30 days after sowing
<b>Seed Rate (Per acre)</b>	Transplanting Method – 15 – 20 kg / Acre Dibbling Method – 25 – 30 kg / Acre Drilling Method - 35 – 40 kg / Acre
<b>Crop duration</b>	135 to 140 days
<b>Productivity</b>	45 to 50 qt / ha
<b>Characters / features</b>	A. Medium Height, Late duration B. Long Slender grain, Scented C. 3 to 5% grains with awns D. Moderately resistant to BLB E. Released for cultivation in Maharashtra state, Cooked rice Non-sticky.




## Mahatma Phule Krishi Vidyapeeth, Rahuri

### Information about Crop wise Improved / Hybrid Varieties Developed by University

#### Phule Samruddhi

	Release year	2007
	Name of Institute / University	Agricultural Research Station, Vadgaon Maval, Dist. Pune
	Soil type	Light to medium
	Climate	Tropical and warm climate. It grows better in the rainfall of 800 mm and above. It requires temperature of 25 to 35 <sup>0</sup> C and humidity more than 65-70%.-
Sowing Time / Planting period	Nursery- June Transplanting- July	
Seed Rate (Per acre)	Transplanted Paddy- 12-15 kg./Acre Drilling - 30-35 kg./Acre	
Crop duration	125-130 days	
Productivity	45-50 qt./ha.	
Characters / features	A. Long slender, scented, translucent, midlate variety. B. Moderately resistant to blast, blight and stem borer.	

#### Phule RDN – 6

	Release year	2013
	Name of Institute / University	Agricultural Research Station, Radhanagari, Dist. Kolhapur
	Soil type	Light to Medium
	Climate	Warm and Humid, Rainfall more than 800 mm
Sowing Time / Planting period	Sowing time : May 15 – June 15 The crop should be Transplanted 23 to 27 days after sowing	
Seed Rate (Per acre)	Transplanting Method – 15 – 20 kg / Acre Dibbling Method – 25 – 30 kg / Acre Drilling Method - 35 – 40 kg / Acre	
Crop duration	125 to 130 days	
Productivity	40 to 45 qt. / ha	
Characters / features	A. Medium Height, Mid-Late duration B. Long Slender grain, Non-Scented C. Moderately resistant to BLB	





## Mahatma Phule Krishi Vidyapeeth, Rahuri

### Information about Crop wise Improved / Hybrid Varieties Developed by University

#### Phule Kolam (VDN-1832)



<b>Release year</b>	2023
<b>Name of Institute / University</b>	Agricultural Research Station, Vadgaon Maval, Dist. Pune
<b>Soil type</b>	Light to medium
<b>Climate</b>	Tropical and warm climate, rainfall of 800 mm and above, temperature of 25 <sup>0</sup> C to 35 <sup>0</sup> C and humidity more than 65%.
<b>Sowing Time / Planting period</b>	First week to last week of June
<b>Seed Rate</b>	22 kg/ ha
<b>Crop duration</b>	Midlate maturity -125 to 130 days
<b>Productivity</b>	48.78 qt./ha.
<b>Characters / features</b>	Short slender grain type, resistant to brown spot and stem borer, moderately resistant to the diseases leaf blast, sheath rot, neck blast, grain (glume) discoloration, higher milling (68.16 %) and Head Rice Recovery (63.97 %), excellent cooking quality [intermediate amylose content (23.7 %) and high gel consistency (75 mm)]. Release for Western Maharashtra in kharif season.

#### Phule Super Pawana (IGP-13-12-19)



<b>Release year</b>	2023
<b>Name of Institute / University</b>	Zonal Agricultural Research Station, Igatpuri
<b>Soil type</b>	Light to Medium
<b>Climate</b>	Kharif- Rice-growing areas of Western Maharashtra having assured rainfall
<b>Sowing Time / Planting period</b>	First week to last week of June
<b>Seed Rate</b>	30 kg/ha
<b>Crop duration</b>	Midlate maturity -130 to 135 days
<b>Productivity</b>	54.63 qt. / ha
<b>Characters / features</b>	It is awnless, mid late duration and long slender scented grain type, resistant to stem borer & Moderately resistant to Brown plant hoppers, high milling percentage (69.22 %) and head rice recovery (59.49 %), high in Iron (17.7 ppm) and Zinc (20.0 ppm) content, excellent cooking quality - Amylose content (20.90 %). Release for Western Maharashtra in kharif season.







## Mahatma Phule Krishi Vidyapeeth, Rahuri

### Information about Crop wise Improved / Hybrid Varieties Developed by University

#### Phule Maval-7 (VDN-1808)

	Release year	2024
	Name of Institute / University	ARS, Vadgaon Maval
	Soil type	Light to Medium
	Climate	Kharif- Rice-growing areas of Western Maharashtra having assured rainfall
Sowing Time / Planting period	First week to last week of June	
Seed Rate	30 kg/ha	
Crop duration	Late maturity -140 to 145 days	
Productivity	Yield 51.59 q ha <sup>-1</sup>	
Characters / features	Long slender grain type, higher milling percentage (70.19 %) and head rice recovery (61.74 %), It has excellent cooking quality, low amylose content (18.4 %) and high gel consistency (63 mm), Non-lodging habit and non-shattering, Moderately resistant to diseases-neck blast, brown spot and grain discolouration, Moderately resistant to the pest -stem borer,	
Remark	Recommended for Western Maharashtra in <i>kharif</i> season.	

#### Phule Maval-8 (VDN-2003)

	Release year	2025
	Name of Institute / University	ARS, Vadgaon Maval
	Soil type	Light to Medium
	Climate	Warm and humid, average temperature 23°C to 32 °C, humidity 65 to 70 %
Sowing Time / Planting period	Nursery- June, transplanting- July	
Seed Rate	30 kg/acre	
Crop duration	early maturity (115 to 120 days)	
Productivity	52.97 q/ha	
Characters / features	Non lodging and non-shattering, long slender grain, good cooking quality- amylose content (26.3%), neck blast and brown spot, resistant to stem borer	
Remark	Recommended for Western Maharashtra in <i>kharif</i> season.	