



Mahatma Phule Krishi Vidyapeeth, Rahuri

Information about Crop wise Improved / Hybrid Varieties Developed by University

Improved / Hybrid Varieties: Nutritional Food Grains

Gram Amaranthus - Phule Kartiki



	Release year	2010
	Name of Institute / University	Mahatma Phule Krishi Vidyapeeth, Rahuri
	Soil type	Well drained and Medium to black soil
	Climate	Bright sun shine and warm weather
Sowing Time / Planting period	Kharif - 15 th June to 30 th June Rabi - 15 th October to 15 th November	
Seed Rate (Per acre)	750 gm -1.00 kg	
Crop duration	110-120 days	
Productivity	Kharif season: 10-12 qt./ha, Rabi season: 14-16 qt./ha	
Characters / features	The popping ability is good, contains 13.80 % protein, The inflorescences are yellowish green colour, straight, smooth and intermediate, Seed colour is pale yellow.	
Remarks	The grain yield of “Phule Kartiki” in <i>rabi</i> season is 1600 kg/ha	

Finger millet - Phule Nachani




	Release year	2014
	Name of Institute / University	Zonal Agricultural Research Station, Shenda Park, Kolhapur
	Soil type	Light soil to medium type
	Climate	Temperature Max 25 ⁰ C, Minimum 15 ⁰ C
Sowing Time / Planting period	Sowing : Line sowing Season : <i>Kharif</i>	
Seed Rate (Per acre)	1 kg per acre	
Crop duration	Duration : 110-120 days	
Productivity	20-22 q ha ⁻¹	
Characters / features	Higher grain yield (25.04 q ha ⁻¹) i.e. 23.00% more grain, yield than national check PR 202 (20.32 q ha ⁻¹), Late maturity group (115-120 days), Resistant to neck blast and leaf blast, Flag leaf angle curved at tip, Brown grain colour, Plant habit erect, dark green leaf colour, no pigmentation and semi drooping leaf angle	
Remarks	Finger millet variety Phule Nachani recommended for cultivation in Sub montane and Ghat zone of Maharashtra State.	




Mahatma Phule Krishi Vidyapeeth, Rahuri

Information about Crop wise Improved / Hybrid Varieties Developed by University

Finger millet - Phule Kasari

	Release year	2019
	Name of Institute / University	Zonal Agricultural Research Station, Shenda Park, Kolhapur
	Soil type	Light soil to medium type
	Climate	Temperature Max 25 ⁰ C, Minimum 15 ⁰ C
Sowing Time / Planting period	Sowing : Line sowing Season : <i>Kharif</i>	
Seed Rate (Per acre)	1 kg per acre	
Crop duration	Duration : 100-110 days	
Productivity	18-20 q ha ⁻¹	
Characters / features	Dwarf, Non lodging, high tillers, Thick open panicle, long finger length. Brown seed colour . Highly Resistant to finger blast, neck blast and resistant to node blast.	
Remarks	Finger millet variety Phule Kasari recommended for cultivation in Sub montane and Ghat zone of Maharashtra State.	

Little millet (Vari) - Phule Ekadashi

	Release year	2018
	Name of Institute / University	Zonal Agricultural Research Station, Shenda Park, Kolhapur
	Soil type	Light soil to medium type
	Climate	Temperature Max 25 ⁰ C, Minimum 15 ⁰ C
Sowing Time / Planting period	Sowing : Line sowing Season : <i>Kharif</i>	
Seed Rate (Per acre)	1 kg per acre	
Crop duration	Duration : 120-130 days	
Productivity	10-15 q ha ⁻¹	
Characters / features	Higher grain yield (12.62 q ha-1) i.e. 26.45% increase over national check OLM 203 (9.98 q ha-1), Late duration (120-130 days maturity), Mid dwarf plant type, Drooping panicle type, long length with complete panicle exertion, Brown shiny seed colour, Stem thick, dark green colour remain green till maturity	
Remarks	The little millet variety Phule <i>Ekadashi</i> recommended for cultivation in Sub montane and Ghat zone of Maharashtra State	



Mahatma Phule Krishi Vidyapeeth, Rahuri

Information about Crop wise Improved / Hybrid Varieties Developed by University

Barnyard millet - Phule Barti-1



	Release year	2018
	Name of Institute / University	Zonal Agricultural Research Station, Shenda Park, Kolhapur
	Soil type	Light soil to medium type
	Climate	Temperature Max 25 ⁰ C, Minimum 15 ⁰ C
Sowing Time / Planting period	Season : <i>Kharif</i>	
Seed Rate (Per acre)	1 kg per acre	
Crop duration	Duration : 95-105 days	
Productivity	15-20 q ha ⁻¹	
Characters / features	Higher grain yield (17.81 q ha ⁻¹) i.e. 34.20% increase over national check VL 172 (13.27 q ha ⁻¹), High iron (65 ppm), Calcium (452.5 ppm) and Phosphorus (3110 ppm), Matures in 95-105 days, Mid dwarf plant type, Thick panicle type, long length, twisted type of fingers, Shiny grey seed colour	
Remarks	High calcium content Phule Barti-1 (KOPBM 46) recommended for cultivation in barnyard millet growing areas of Maharashtra State	