



Mahatma Phule Krishi Vidyapeeth, Rahuri
Information about Crop wise Improved / Hybrid Varieties Developed by University

Improved / Hybrid Varieties of Sorghum

M-35-1



	Release year	1937-38
	Name of Institute / University	Department of Agril., Bombay State
	Soil type	Medium deep
	Climate	Dry Rainfed
	Sowing Time / Planting period	2 nd fortnight of September to 2 nd fortnight of October
Seed Rate (Per acre)	4 kg	
Crop duration	120-125 Days	
Productivity	15-18 q/ha.	
Characters / features	Semi- compact, Oval panicle, Pearly white bold and round grains, Drought tolerant, Tolerant to major pest and diseases	
Remark	Superior grain and fodder quality	

Swati (RSV 9R/SPV 504)



	Release year	1984
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Deep Soil
	Climate	Rabi Season
	Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre	
Crop duration	120-125 days	
Productivity	Grain Yield: 24-28 q/ha. Fodder Yield: 50-60 q/ha.	
Characters / features	Round bold grain, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant to high temperature	



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SSV-84 - Ethanol Purpose



	Release year	1990
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Medium –deep soil
	Climate	Kharif Season
	Sowing Time / Planting period	15 th June to 7 th July
Seed Rate (Per acre)	4 kg/ Acre	
Crop duration	120-125 days	
Productivity	Green cane Yield : 30-35 t/ha. Grain Yield : 1.0-1.2 t/ha. Ethanol Yield : 800-1000 Liter/ha	
Characters / features	Non tan pigment, Turtle white grain, Moderately tolerant to shoot fly, Brix at maturity : 18-20 %	

Selection-3



	Release year	1994
	Name of Institute / University	MPKV, Rahuri
	Soil type	Shallow Soil
	Climate	Rabi Season
	Sowing Time / Planting period	15th September to 15th October
Seed Rate (Per acre)	4 kg/ acre	
Crop duration	110-115 days	
Productivity	Grain Yield : 5-6 q/ha. Fodder Yield: 15-18 q/ha.	
Characters / features	Early, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant to drought	
Remark	Suitable for shallow soil under rainfed condition	



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Phule Yashoda (RSV 56/SPV 1359/ CSV 216)



Release year	1998 (State level & 2000 at National level)
Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
Soil type	Deep Soil
Climate	Rabi Season
Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre
Crop duration	120-125 days
Productivity	Grain Yield : 25-30 q/ha. Fodder Yield: 70-78 q/ha.
Characters / features	Medium bold and pearly white grain, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant to Stem borer

Phule Mauli (RSLG 262)



Release year	1999
Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
Soil type	Medium Soil
Climate	Rabi Season
Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre
Crop duration	110-112 days
Productivity	Grain Yield : 15-18 q/ha. Fodder Yield: 45-50 q/ha.
Characters / features	Early, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant to drought



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CSV 19 SS (RSSV 9) - Ethanol Purpose



Release year	2004
Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
Soil type	Medium-Deep Soil
Climate	Kharif Season
Sowing Time / Planting period	15 th June to 7 th July
Seed Rate (Per acre)	4 kg/ Acre
Crop duration	115-120 days
Productivity	Green cane Yield : 35-40 t/ha. Grain Yield: .0.8-1.0 t/ha. Ethanol Yield : 1000 to 1200 Liter/ha
Characters / features	Non tan pigment, Tolerant to shoot fly, Tolerant to foliar diseases, Brix at maturity : 18-20%

Phule Uttara (RSSGV 3) – Hurda Purpose



Release year	2005
Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
Soil type	Medium/Deep Soil
Climate	Rabi Season
Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre
Crop duration	95-100 days for hurda 110-114 days for grain purpose.
Productivity	Hurda Yield : 20-25 q/ha. Fodder Yield: 50-55 q/ha.
Characters / features	Sweet grain at dough stage, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant to drought



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Phule Chitra (RSV 237/SPV 1546)



	Release year	2006
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Medium Soil
	Climate	Rabi Season
	Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre	
Crop duration	118-120 days	
Productivity	Grain Yield : 20-25 q/ha. Fodder Yield: 55-60 q/ha.	
Characters / features	Medium bold grain, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant to drought	

Phule Vasudha (RSV 423/SPV1704)



	Release year	2007
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Deep Soil
	Climate	Rabi Season
	Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre	
Crop duration	116-120 days	
Productivity	Grain Yield : 25-28 q/ha. Fodder Yield: 55-60 q/ha.	
Characters / features	Round and pearly white bold grain, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant to drought	



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CSV-22 (RSV 491/SPV 1626)



Release year	2007
Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
Soil type	Deep Soil
Climate	Rabi Season
Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre
Crop duration	118-122 days
Productivity	Grain Yield : 24-28 q/ha. Fodder Yield: 65-70 q/ha.
Characters / features	Round bold grain, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant to drought

Phule Anuradha (RSV458/SPV1709)



Release year	2008
Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
Soil type	Shallow soil
Climate	Rabi Season
Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre
Crop duration	105-110 days
Productivity	Grain Yield : 8-10 q/ha. Fodder Yield: 30-35 q/ha.
Characters / features	Early. Bolder grain & Pearly white, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant drought



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Phule Revati (RSV1006/SPV1830)



	Release year	2010
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Medium to Deep Soil
	Climate	Rabi Season
	Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre	
Crop duration	118-120 days	
Productivity	Grain Yield : 40-45 q/ha. Fodder Yield: 90-100 q/ha.	
Characters / features	Round bold grain and pearly white, Tolerant to shoot fly, Tolerant to foliar diseases, Tolerant to stem borer	

Phule Panchami (RPOSV 3) - *Popping purpose*



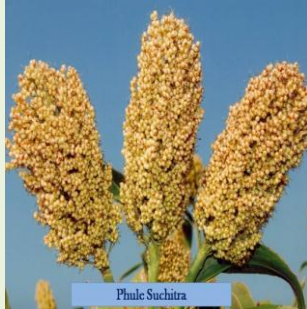
	Release year	2010
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Medium – Deep soil
	Climate	Rabi Season
	Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre	
Crop duration	118-120 day	
Productivity	Grain Yield : 12-14 qt./ha. Fodder Yield: 40-45 qt./ha.	
Characters / features	Popping purpose, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant to drought	



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Phule Suchitra (RSV1098/SPV2048)



	Release year	2012
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Medium Soil
	Climate	Rabi Season
	Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre	
Crop duration	120-125 days	
Productivity	Grain Yield : 24-28 q/ha. Fodder Yield: 65-70 q/ha.	
Characters / features	Round bold grain, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant to drought	

Phule Godhan (CSV-30 F / RSSV-167 / SPV-2057)




	Release year	2013
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Medium Soil
	Climate	Kharif Season
	Sowing Time / Planting period	15 th June to 7 th July
Seed Rate (Per acre)	12 kg/ Acre	
Crop duration	76-80 days	
Productivity	Fodder Yield: 50-60 t/ha.	
Characters / features	Non Tan Pigment, Suitable for single cut, Tolerant to shoot fly and foliar diseases	
Remark	High response to fertilizer and irrigation	




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Phule Madhur (RSSGV 46) – *Hurda Purpose*

	Release year	2015
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Medium-Deep Soil
	Climate	Rabi Season
	Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre	
Crop duration	115-118 days for maturity & 95-100 days for hurda	
Productivity	Hurda Yield : 30-35 q/ha. Fodder Yield: 65-70 q/ha.	
Characters / features	Sweet grain at dough stage & free thresh ability, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant to drought	

Phule Vasundhara (RSSH 50) Hybrid – *Ethanol Purpose*

	Release year	2015
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Medium –Deep soil
	Climate	Kharif Season
	Sowing Time / Planting period	15 th June to 7 th July
Seed Rate (Per acre)	4 kg/ Acre	
Crop duration	130-135 days	
Productivity	Green cane Yield : 50-55 t/ha. Grain Yield: .08-1.0 t/ha. Ethanol Yield : 1000 to 1200 Liter/ha	
Characters / features	Non tan pigment, Higher plant height, Moderately Tolerant to Shoot fly, Tolerant to foliar diseases	



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Phule Rohini (RPASV 3)



	Release year	2015
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Medium – Deep soil
	Climate	Rabi Season
	Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre	
Crop duration	115-120 days	
Productivity	Grain Yield : 18-20 q/ha. Fodder Yield: 45-50 q/ha.	
Characters / features	Red grain, Tolerant to shoot fly, Tolerant to Charcoal rot, Tolerant to drought	

Phule Yashomati (RSV 1910)



	Release year	2021
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Shallow soils
	Climate	Rabi Season
	Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	4 kg/ Acre	
Crop duration	112-115 days	
Productivity	Grain Yield : 9.2 q/ha. Fodder Yield: 42.6 q/ha.	
Characters / features	Pearly white, medium bold and round grain, Tolerance to shoot fly and stem borer, Moderately resistant to Charcoal rot and foliar diseases (rust and leaf blight)	



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Phule Purva (RSV 2371)



	Release year	2022
	Name of Institute / University	Sorghum Improvement Project, MPKV, Rahuri
	Soil type	Deep soils
	Climate	Rabi Season
	Sowing Time / Planting period	15 th September to 15 th October
Seed Rate (Per acre)	10 kg/ Acre	
Crop duration	118-121 days	
Productivity	Grain Yield : 20-25 q/ha. Fodder Yield: 65-70 q/ha.	
Characters / features	Variety is non lodging ideotype and can be suitable for mechanical harvesting & good for grain and fodder yield, tolerant to shoot fly, drought purpose Charcoal rot & medium bold, pearly white colour, lustrous grain	