



## Mahatma Phule Krishi Vidyapeeth, Rahuri

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

### Turmeric – Krishna



	<b>Release year</b>	1984
	<b>Name of Institute/ University</b>	Turmeric Research Scheme, Agril. Research Station, K. Digraj, Tah. Miraj, Dist. Sangli.
	<b>Soil type</b>	Medium black, well drained, p <sup>H</sup> range : 6.5-7.5
	<b>Climate</b>	Hot & humid climate is ideal for growth, medium rainfall and clear sunlight are necessary for growth. Av. temp: 25-35 °C
<b>Sowing / Planting period</b>	Second fortnight of May to first week of June	
<b>Seed Rate (Per acre)</b>	8-10 quintal	
<b>Crop duration</b>	month	
<b>Productivity</b>	<b>Green yield: 300-325 q/ha</b> <b>Dry yield: 75-80 qt/ha</b>	
<b>Characters / features</b>	Developed by selection method from Kaddappa variety. Leaves are broad in size, green in colour and flat. 10-12 leaves per plant, B. Fingers are long, thick and proportionate, Whitish yellow core colour of fingers, Wrinkles are observed on processed finger, Curcumin content : 2.5%, Dry turmeric yield : 75-80 qt. / ha., Recovery : 18%	
<b>Remark</b>	Susceptible to leaf blotch and leaf spot disease.	



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## Turmeric - Phule Swarupa



	<b>Release year</b>	2004
	<b>Name of Institute/ University</b>	Turmeric Research Scheme, Agril. Research Station, K. Digraj, Tah. Miraj, Dist. Sangli.
	<b>Soil type</b>	Medium black, well drained, p <sup>H</sup> range : 6.5-7.5
	<b>Climate</b>	Hot & humid climate is ideal for growth, medium rainfall and clear sunlight are necessary for growth. Av. temp: 25-35 °C
<b>Sowing / Planting period</b>	Second fortnight of May to first week of June	
<b>Seed Rate (Per acre)</b>	8-10 quintal	
<b>Crop duration</b>	8.5 month	
<b>Productivity</b>	<b>Green yield: 358.30 q/ha</b> <b>Dry yield: 78.90 qt/ha</b>	
<b>Characters / features</b>	Clonal selection from Duggirala variety, Plant height moderate to tall, erect in growth habit, dark green colour of foliage, with 11-13 leaves per plant, Long and shining fingers, Dark yellow core colour of fingers, Cur cumin content : 5.19%, Recovery : 22%	
<b>Remark</b>	Tolerant to leaf blotch, leaf spot and Rhyme fly	



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#### Turmeric - Phule Haridra (KDT-3)




	<b>Release year</b>	2022
	<b>Name of Institute / University</b>	ARS, Kasbe Digraj (MPKV, Rahuri)
	<b>Soil type</b>	Light to medium black soils under irrigated condition
	<b>Climate</b>	Annual Crop
<b>Sowing Time / Planting period</b>	Second week of May	
<b>Seed Rate (Per ha)</b>	25.00 q/ha (Rhizomes)	
<b>Crop duration</b>	250-260 days	
<b>Productivity</b>	Green turmeric 406.72 q/ha, Dry turmeric 93.56 q/ha	
<b>Characters / features</b>	Erect growth habit, Better tillering ratio (2.3), Deep orange yellow core colour of fingers, Long and straight fingers, High percentage of curcumin (5.35%), Better recovery (23.0%), Deep yellow colour of turmeric powder with pleasant aroma	



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**Betelvine - Krishna Pan (Dpb-6)**

	<b>Release year</b>	2001
	<b>Name of Institute</b>	MPKV, Rahuri
	<b>Soil type</b>	Well-drained, fertile soil
	<b>Climate</b>	Tropical climate, humidity 60-70%, will be well suited for cultivation of betelvine
<b>Sowing/planting period</b>	June -July	
<b>Seed rate(per acre)</b>	15000-30000 cuttings/ha	
<b>Crop duration</b>	10 years	
<b>Productivity</b>	71.18 lakh leaves/ha	
<b>Characters/features</b>	High yielding	71.18 lakh leaves/ha 27% more yield than local Kapoori 20% more yield than Kapoori selection
	Leaf quality	Big size L x B (cms) (14.5 x 12) Less gabala type leaves Shape- oblong Colour – light green Texture- thick
	Reaction to disease	Moderately resistant to foot rot
	Reaction to pests	Susceptible to Betelvine bug & Nematode
<b>Remarks</b>	Recommended for cultivation in plain zone of Maharashtra.	