



## Mahatma Phule Krishi Vidyapeeth, Rahuri

### All India Coordinated Research Project on Sugarcane, Padegaon

<b>1. Year of Start</b>	: 1972
<b>2. Contact Details</b>	:
<b>Postal Address</b>	: Central Sugarcane Research Station, Padegaon-415521 Tal: Phaltan, Dist: Satara
<b>Phone No.</b>	: 02169 265333
<b>Email</b>	: csrspadegaon@rediffmail.com, csrspadegaon.mpkv@gov.in
<b>3. Objectives/Mandates</b>	: <ul style="list-style-type: none"><li>• Collection and maintenance of sugarcane germplasm.</li><li>• Morphological/ Molecular characterization and registration of elite genotypes.</li><li>• Development of high cane and sugar yielding sugarcane varieties for different Agro-ecological zones of Maharashtra through wide hybridization.</li><li>• Development of sugarcane varieties resistant to drought, saline conditions, pests and diseases with the help of biotechnology tools and conventional breeding techniques.</li><li>• Development of production technology viz., proper methods of tillage, weed control, water management, intercropping, crop rotations and ratoon management and insect pest and disease management.</li><li>• Maintenance of soil fertility for sustainable sugarcane production.</li><li>• Testing varieties for juice quality, sugar recovery, fibre content and nutrient requirement and identifying varieties for quality jaggery.</li><li>• Use of biofertilizers, trash management and decomposition of trash.</li><li>• Integrated Pests and Diseases Management.</li><li>• Production and supply of breeder seed of important sugarcane varieties to sugar factories, Department of Agriculture and farmers in Maharashtra.</li><li>• Dissemination of agro-techniques (Extension Education) through farmers rallies, training programmes to farmers, CDO's and Agril. Officers, exhibitions, farm visits and technology transfer through TV, Radio, Newspaper, books, leaflets/bulletins etc.</li></ul>
<b>4. Infrastructure</b>	:
<b>Land</b>	: 125.30 hectares land out of which 94.14 hectares is under cultivation.
<b>Irrigation facilities</b>	: 2 farm ponds (1.81 crore litre capacity), 3 wells and 5 bore wells.

<b>5. Human Resource</b> :	<b>Technical Staff</b> :			
	<b>SN</b>	<b>Designation</b>	<b>Discipline</b>	<b>Remarks</b>
	1	Assistant Professor	Agril.Botany	Filled
	2	Assistant Professor	Plant Protection	Filled
	3	Technical Assistant	----	Filled
<b>Non-Technical Staff</b> :	<b>SN</b>	<b>Designation</b>	<b>No of posts</b>	<b>Remarks</b>
	1	Agril. Asstt.	1	Filled
<b>6. Research Achievements</b> :				
<b>Varieties</b> : Released : 2				
<b>Recommendations</b> : 18				
<b>7.Ongoing Research:</b>				
<b>Sugarcane Breeding</b>				
1. Initial Varietal Trial				
2. Advanced Varietal Trial – I Plant				
3. Advanced Varietal Trial– II Plant				
4. Advanced Varietal Trial– Ratoon				
5. Seed multiplication for supply to AICRP centre for Initial Varietal Trial and Advanced Varietal Trials				
<b>Sugarcane Entomology</b>				
1. Initial Varietal Trial (IVT) and Advance Varietal Trial (AVT) (Early – Plant)				
2. Initial Varietal Trial (IVT) and Advance Varietal Trial (AVT) (Early – Ratoon)				
3. Initial Varietal Trial (IVT) and Advance Varietal Trial (AVT) (Midlate – Plant)				
4. Initial Varietal Trial (IVT) and Advance Varietal Trial (AVT) (Midlate – Ratoon)				
5. Biointensive insect pest management in sugarcane crop.				