



## Mahatma Phule Krishi Vidyapeeth, Rahuri

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

1.	<b>Year of Start</b>	: 1972
2.	<b>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
3.	<b>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>
4.	<b>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.

5.	Human Resource :				
	Technical Staff :	SN	Designation	Discipline	Remarks
		1	Assistant Professor	Agril.Botany	Filled
		2	Assistant Professor	Plant Protection	Filled
		3	Technical Assistant	----	Filled
	Non-Technical Staff :	SN	Designation	No of posts	Remarks
	1	Agril. Asstt.	1	Filled	
6. Research :					
Achievements					
Varieties : Released : 2					
Recommendations : 18					
7.Ongoing Research:					
Sugarcane Breeding					
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					
Sugarcane Entomology					
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.					