



## Mahatma Phule Krishi Vidyapeeth, Rahuri

### Cotton Improvement Project Barshi Nagar

1.	<b>Year of Start</b>	: 1972-73
2.	<b>Contact Details</b>	:
	<b>Postal Address</b>	: Cotton Breeder, Cotton Improvement Project, MPKV, Rahuri 413722
	<b>Phone No.</b>	: (02426) 233449
	<b>Fax No.</b>	: (02426) 233449
	<b>Email</b>	: cotton_mpkv@rediffmail.com
3.	<b>Objectives/Mandates</b>	<b>Objectives</b> <ul style="list-style-type: none"><li>• To develop high yielding varieties (25 q/ha) and hybrids (30 to 35 q/ha) suitable for summer irrigated cultivation in Deccan canal tract of Western Maharashtra (Districts of Solapur, Pune, Satara, Sangli, Ahmednagar and Nasik).</li><li>• To incorporate desirable traits of dwarf growth habit, early maturity (less than 150 days), high ginning out-turn, superior fiber quality and tolerance/ resistance to major pests and diseases and physiological stress.</li><li>• To formulate production technology viz., plant density, nutritional requirement, weed management, and irrigation management for summer cotton for increasing gross monetary returns.</li><li>• To identify suitable sequence and intercropping systems for summer cotton for increasing gross monetary returns.</li><li>• To screen breeding material developed at Rahuri and received from other AICCIP centres for their reactions to jassids, bollworms, alternaria leaf spot and bacterial leaf blight.</li><li>• To formulate suitable and economical plant protection for control of major pests and diseases by incorporating IPM technology.</li><li>• To produce breeder and foundation seed of cotton varieties and parental lines of hybrids as per indents received from State Dept. of Agriculture and ICAR.</li></ul> <b>Mandates</b> <ul style="list-style-type: none"><li>• To develop short duration varieties for fitting in multiple cropping programmes in irrigated areas and for mixed or intercropping with other crops.</li><li>• To develop superior long staple varieties in G.hirsutum and G.barbadense cottons for irrigated areas.</li><li>• To develop agronomic practices for promising hybrids/high yielding varieties.</li><li>• To improve quality of hybrid cottons.</li><li>• To formulate suitable and economical IPM and IDM technology</li></ul>

<b>4. Infrastructure :</b>				
<b>Land :</b>	67.92 ha			
<b>Irrigation facilities :</b>	1 lift, 1 farm pond, 1 well			
<b>Laboratories :</b>	Bio control lab			
<b>5. Human Resource :</b>				
<b>Technical Staff :</b>	<b>SN</b>	<b>Designation</b>	<b>Discipline</b>	<b>Remarks</b>
	1	Sr. Research Assistant	Botany	Filled
<b>Non-Technical Staff :</b>	<b>SN</b>	<b>Designation</b>	<b>No of posts</b>	<b>Remarks</b>
	1	Agri Asstt	2	Filled
	2	Clerk Cum Typist	1	Filled
	3	Mukadam	1	Filled
	4	Counter	1	Filled
	5	Peon	1	Filled
	6	Mazdoor	4	Filled-1 Vacant-3
<b>6. Research Achievements :</b>				
<b>Varieties :</b>	15			
<b>Recommendations :</b>				
<b>7. Ongoing Research :</b>	<b>University Trials [h x h Hybrids]</b> <ul style="list-style-type: none"> <li>Multilocation trial of H x H conventional</li> <li>Station trial of H x H hybrids</li> </ul> <b>University Trials [h x b Hybrids]</b> <ul style="list-style-type: none"> <li>Multilocation trial of H x B hybrids</li> <li>Station trial of H x B hybrids</li> </ul> <b>University Trials [Varietal]</b> <ul style="list-style-type: none"> <li>Multilocation trial of <i>G. hirsutum</i> varieties</li> <li>Station trial of <i>G. hirsutum</i> varieties (Set-I)</li> <li>Station trial of <i>G. hirsutum</i> compact genotypes</li> </ul> <b>Joint Agresco Trials</b> <ul style="list-style-type: none"> <li>State Multilocation trial of <i>inter hirsutum cotton hybrids</i></li> <li>State Multi-location trial of Inter Specific cotton hybrids</li> </ul> <b>Long term planning - Plant genetic Resources</b> <ul style="list-style-type: none"> <li>Cultivated cotton</li> <li>Wild species and races of <i>Gossypium L.</i></li> </ul>			

## Cotton Improvement Project Establishment of labour brought

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<b>3.</b>	<b>Objectives/Mandates</b>	:	Supporting to the AICRP Schema																
<b>4.</b>	<b>Infrastructure</b>	:																	
	<b>Land</b>	:	4 ha																
	<b>Irrigation faculties</b>	:	1 lift, 1 boarwell																
	<b>Laboratories</b>	:	Bio control lab																
<b>5.</b>	<b>Human Resource</b>	:																	
	<b>Technical Staff</b>	:	<table> <tr> <th>SN</th><th>Designation</th><th>Discipline</th><th>Remarks</th></tr> <tr> <td>--</td><td>--</td><td>--</td><td>--</td></tr> </table>	SN	Designation	Discipline	Remarks	--	--	--	--								
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