

CENTRAL SERICULTURAL RESEARCH & TRAINING INSTITUTE, PAMPORE

HIGHLIGHTS OF CONCLUDED RESEARCH PROJECTS WITH REFERENCE TO ACHIEVEMENTS, OUTPUT AND UTILITY DURING 2016-2017 AND UPTO THE CURRENT FINANCIAL YEAR

#	Project Code, Title & period	Objectives	Out-put of the project	Utility of the out-put	Impact on Silk Industry
1.	<p>AICEM-III,</p> <p>All India Coordinated Experimental Trial for Mulberry Varieties (AICEM) Phase-III</p> <p>2011-2016</p>	<p>To test three newly evolved selections along with National, Zonal and Local check at five test centres in North India.</p>	<p>Two new varieties (C2038 and Tr-23) found suitable for subtropical conditions of Jammu and Dehradun, respectively.</p>	<p>The study has revealed that none of the new varieties under test has out-yielded Goshorami (local check) under temperate conditions of Kashmir. However, these varieties are early sprouting in nature and can be utilized in different breeding programmes for evolving high yielding and early sprouting genotypes for temperate region.</p> <p>New variety C2038 identified for popularization under subtropical conditions of Jammu due to its higher leaf yield [17.41% increase over National check (Vishala) and 20.32% increase over zonal check (S1635)] and moisture content.</p> <p>New variety Tr-23 identified for popularization under subtropical conditions of Dehradun, Uttarakhand due to its higher leaf yield [13.72% increase over National check (Vishala) and 6.44% increase</p>	<p>The introduction of improved new varieties for subtropical conditions of NWI will improve the rearing capacity and quality of cocoons produced, thereby will have a positive impact on the silk industry.</p>

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				over zonal check (S-146)] and moisture content.	
2	Institute Village Linked Programme (IVLP) 2014-2017		<p>Four villages were adopted (one each in J&K, UK, UP, and HP). 100 farmers in each village were selected and adopted for technology dissemination and popularization. Following 14 technologies were disseminated:</p> <ol style="list-style-type: none"> 1. Soil testing 2. Nursery raising 3. Maintenance of mulberry plantation 4. Integrated nutrient management (INM) 5. Pruning / leaf harvesting techniques 6. Leaf transportation and preservation techniques 7. Disinfection of rearing house 8. Chawki / late age rearing technologies 9. Use of Bed disinfectants 10. Integrated management of mulberry pest and diseases 11. Silkworm disease management 12. Use of Plastic mountages. 13. Cocoon harvesting/ sorting and drying techniques for dry cocoon disposal 14. Popularization of green cocoon disposal. 15. 15-20% increase in cocoon productivity was achieved in the adopted villages due to technological/ input support, 	<p>Increase in cocoon productivity has improved the socio economic condition of the adopted farmers. The increase in cocoon production has increased the raw silk output. The dissemination of technologies to the field will have its impact for the years to come due to technological knowhow of the farmers. Mulberry plants supplied to the farmers and planted as tall (tree) type will reach their yield potential after 5 years of plantation. This will increase the availability of leaf at farmers field and hence the quantum of rearing in these adopted villages will increase. This will have a positive impact on the silk industry of NW India.</p>	<p>Increase in cocoon productivity has improved the socio economic condition of the adopted farmers. The increase in cocoon production has increased the raw silk output. The dissemination of technologies to the field will have its impact for the years to come due to technological knowhow of the farmers. Mulberry plants supplied to the farmers and planted as tall (tree) type will reach their yield potential after 5 years of plantation. This will increase the availability of leaf at farmers field and hence the quantum of rearing in these adopted villages will increase. This will have a positive impact on the silk industry of NW India.</p>

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			extension communication awareness/demonstration of technologies and proper monitoring.		