

The sericulture farmers in South India have witnessed a quantum jump in cocoon yield and also crop stability in cross breed PM x CSR2 as the hybrid is more consistent throughout the year after introduction of bivoltine breed CSR2 as a male component with the polyvoltine female Pure Mysore (PM). However, bivoltine seed farmers in summer months complain about the difficulty in rearing bivoltine parent CSR2 and F1 seed producers complain about the low recovery of dfls. Moreover, the bivoltine cocoon price during summer months goes exorbitantly high due to failure of P1 seed crops. The Central Sericultural Research and Training Institute has developed many foundation crosses for the preparation of double hybrids. If these foundation crosses are used as male parent in the preparation of cross breed dfls, the problem faced during rearing of pure races like CSR2 can be solved as foundation crosses are easy to rear, show better growth, vigour and economic characters. Moreover, there is negative correlation between high cocoon shell ratio and low pupation rate in pure races. The handling of these pure races needs more care and attention and a slight negligence will lead to non availability of parental cocoons resulting in to a total failure of the programme.

To overcome this, it is highly imperative to develop suitable foundation crosses for easy rearing and production of seed cocoons with high pupation rate for cross breed preparation as male component. The foundation cross (FC2) consists of two oval type parental breeds, CSR2 and CSR27. Besides, the FC2 is easy for rearing and produces quality seed cocoons with high pupation rate than single parents. The hybrid PM x FC2 is on par with PM x CSR2 and is characterized by cocoon weight of 1.85 g, shell weight of 0.342 g , shell percentage of 18.5 % , raw silk percentage of 14.0 % , filament length of 750 m , reelability percentage of 86 % , neatness of 88 p.



Salient features:

- ☛ Multi X bivoltine (CB) hybrid easy to handle by farmers under hygienic conditions throughout the year.
- ☛ Cocoon yield 60-65 kg/100 dfis
- ☛ The cocoon yield in PM x FC2 is on par with that of PM x CSR2
- ☛ Renditta 7.0 –7.5
- ☛ Easy in raising seed cocoons (FC2) by seed farmers
- ☛ High pupation in FC2 (CSR2 x CSR27)
- ☛ More vigour in male moths

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MYSORE GOLD (PM x FC2)

**A NEW MULTIVOLTINE x BIVOLTINE HYBRID
FOR REARING THROUGHOUT THE YEAR**



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and B.B. Bindroo**



SILKWORM BREEDING LABORATORY

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