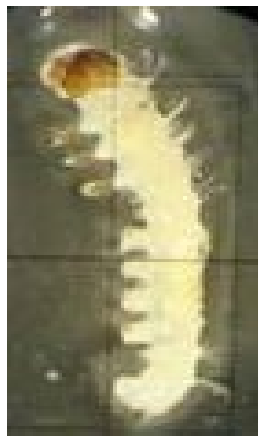


PRESERVATION TECHNIQUES FOR ERI EGGS

- Different age group eggs of eri silkworm were preserved at different temperatures and durations in single and double steps to develop a preservation technique which will be helpful in handling the eri eggs.
- This technology will be useful in handling and using eri eggs in the areas where eri sericulture is in practice.
- The eggs of 48, 55 & 60h in treatment at $15 + 20 + 2.5^{\circ}\text{C}$ (5+1+5 days) can be safely preserved under double step preservation for obtaining effective hatching.



48h embryo – fit for preservation of eggs

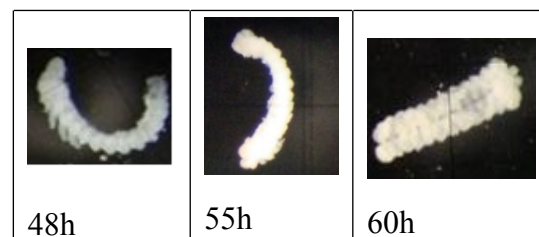


Pin head stage – fit for black boxing of eggs

Impact : This technology is just developed by SSTL in collaboration with CMERTI, Lahdoigarh, Jorhat, to preserve the eri eggs under double step preservation so as to obtain effective hatching almost equal to the control batches (> 80%). It can be adopted by the eri egg production centres for effective handling and supply of eri eggs.

9. Identification of Eri cold-sensitive ages for the development of a seed preservation schedule for Eri silkworm. (2015-16)

The chronological embryonic developmental ages of Eri silkworm were established and identified cold suitable sensitive embryonic ages as 48h, 55h and 60h for short-term Eri seed preservation.



Source: Sericologia 56(4):247-252, 2016 and SSTL Institute Pamphlet, 2015.

Fig : Cold sensitive ages suitable for Eri silkworm seed preservation