

Studies on differential adaptation of selected races of the silkworm (*Bombyx mori* L.) to temperate climates

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ABSTRACT

Seasonal effects of four bivoltine races of Pampore-1, Pampore-3, SKUAST-1 and NB4D2 to temperate conditions in Kashmir with reference to important economic traits were evaluated during different seasons of the year to understand genotype and environment interaction. Data were calculated on economic characters such as fecundity, hatching percentage, larval weight, larval duration, ERR, cocoon weight, shell weight, shell ratio, cocoon yield, filament length, filament size and rendita in three different seasons *i.e.*, spring, summer and autumn temperate climates. Among the selected silkworm races, Pampore-1 and Pampore-3 showed a significant improvement in economic traits during all seasons in temperate climates.

Key words : *Bombyx mori* L., Seasonal effect, Bivoltine races, Temperate environment, Silk worm

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