

EVALUATION ON SEVERAL KINDS OF MULTIVOLTINE SILKWORMS FOR CROSSING MATERIALS

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Summary

Research and evaluate on 8 kinds of multivoltine silkworms used as resources for crossing new breeds raised in hot and humid condition of summer crop (heat 34.2°C and humidity 89.7%). The result is, 8 kinds of silkworms which are ĐJ, HJ, H2J, VJ, VJr, JR, JRth, JRbm have stable characteristics in color and shape of egg, silkworms and cocoons, life span is from 36 to 37 days. The biology and economy indicators are higher or equal to the control race ĐSK: Total amount of eggs reaches 428-458 eggs/nests, vitality of silkworms is 85.77-90.11%, vitality of silkworm pupaes is 95.57-98.89%. cocoon productivity is 258-335 grams per 300 4-year silkworms. Weight of cocoon is 0.96-1.28g and tegument percentage is 12.87-15.19%. Particularly, the technical indicators of silk are far higher than the control race: The percentage of natural silk increases from 8 to 20%, the length of silk bave increases 180-240m and the depreciation coefficient decreases 12-14 kg of cocoon per 1 kg of tender silk.

Keywords: *Multivoltine silkworms, multi-line silkworms, crossing materials.*