

RESULTS OF CREATING TS1-T CATEGORIES TO NORTHERN MOUNTAINOUS PROVINCES

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Summary

TS1-T was created from the YB1 x SL hybrid combination through 15 training sessions, the selection was consistent for morphological characteristics and genetic stability, high yield and quality of cocoons. TS1-T is smooth silkworm, period of silkworm was about 17-18 days. The average cocoon yield was 16.5 kg/20 g eggs which was higher than the PT1 about 13-15%. White opaque picky cocoon, high silk cocoon quality, the cocoon shell weighs 3.14 g, the whole cocoon weighs 0.43 g, rate of the cocoon shell was 13.8%. TS1-T is appropriated for raising in the Autumn of the Northern mountainous provinces. The economic efficiency of TS1-T gave a higher profit of 4.5 million VND/ha/year, correspondingly higher than 27.2%. Multiplication coefficient was higher about 12.8% so it helps lower the price and save 11.3 costs of breeding eggs. TS1-T has been recognized as Technical Progress under Decision No. 719/QĐ-CN-GSN dated 28 June 2017 of the Department of Livestock Production under the Ministry of Agriculture and Rural Development and Code No. TBKT 01-56: 2017/BNNPTNT.

Keywords: *Hybridization, hybrid combination, new varieties, yield, quality, economy efficiency.*