

COMPARATIVE PERFORMANCE OF MULBERRY AND TASAR SILK WASTE PROCESSING IN MILL SPINNING

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ABSTRACT

The new Italian technology of worsted system of spinning was adopted to produce international quality spun silk yarn from tasar silk waste. Degumming loss, yarn realization and economics were worked out and the yarns were characterized according to international standard testing methods. The results were compared with that of mulberry spun silk yarn. From the study, it is revealed that international quality tasar spun silk yarn can be produced through cheaper means from tasar silk waste thereby generating additional revenue to reelers and more employment opportunity as well.

Key words: Degumming, evenness, imperfections, spun silk, tasar waste, worsted spinning, yarn yield.