



## IMPACT ASSESSMENT OF FRONT LINE DEMONSTRATION OF TECHNOLOGIES ON OAK TASAR COCOON YIELD AND ECONOMICS

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### ABSTRACT

Front line demonstration (FLD) is an important method of transfer of the latest package of practices in totality to farmers. FLD of integrated technology package of oak tasar culture were conducted at adopted farmers' fields in Senapati and Imphal East districts in Manipur (India) during 2017-18. To demonstrate the benefit of adopting improved technologies, 500 grams disease-free laying (DFL) was brushed in each of the 20 adopted farmers' field during spring crop 2017-18. The adopted package of technologies resulted in yield of 37.2 cocoons per DFL with 37.9 per cent improvement which was significantly higher ( $p < 0.05$ ) than that under traditional practices (27 cocoons per DFL). Study also registered very narrow technology gap in the demonstration yield over the potential production. Mean technology index was calculated to be 7 per cent which prove the feasibility of technology packages at farmer's field. Comparative economic analysis has revealed that FLD of improved technology packages realised significantly higher ( $p \leq 0.05$ ) net return of ₹20,260/- as compared to ₹14,300/- under traditional practices. The importance of FLD of improved technology package in the context of oak tasar culture for enhancing the productivity is discussed.

**Key words:** Front line demonstration, impact assessment, oak tasar culture.