RESEARCH ARTICLE

# A STUDY ON CONSTRAINTS IN ADOPTION OF IMPROVED TASAR SILKWORM REARING TECHNOLOGY IN CHHATTISGARH

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**Abstract:** This study was undertaken to identify the major constraints faced by sericulturists in adoption tasar silkworm rearing. For this study 270 sericulturists were selected from 18 selected villages from the Raigarh and Korba districts of Chhattisgarh. The data were collected personally from sericulturists by using pre-tested and well structured interview schedule. The collected data were analyzed by using suitable statistical tools. The findings of the this study revealed that the majority of the respondents reported that lack of knowledge about vegetative propagation of host plants, plants are cut by thief, high infestation of stem borer in host plants etc. were the major constraints in host plant cultivation. As regards to silk worm rearing, frequent and high incidence of insect pest like; uzifly, ants, rates, snakes, birds, monkey etc. The majority of the respondents (98.88%) were of the opinion that there should be increase in the minimum support price of cocoon along with assured bonus, regular visit of sericulture extension personnel should be assured in the farm (87.40%), training should be provided on processing of cocoons (87.03%) were opinion that to minimize the constraints

**Keywords:** Adoption, Constraints, Tasar silkworm rearing, Chhattisgarh

## REFERENCES

**Ahmed, S. A.** (1994). A comparative economic analysis of bivoltine and multivoltine silk cocoon production in Karnataka. *M.Sc. (Ag.) Thesis*, University of Agricultural Sciences, Bangalore (Karnataka).

**Das, K.K., Sahu, P.K and Das, N.K.** (1997). Problems of sericultural farmers in West Bengal - a critical appraisal. *Economic Affairs Calcutta* 42(3): 172-177.

**Das, K.K., Sahu, P.K. and Das, N.K.** (1998). Adoption of recommended package of practices in sericulture myths and realities. *Journal of Interacademicia* 2(4): 297-304.

**Deepa, P. and Sujathamma, P.** (2007). Information source and consultancy pattern of different sericultural technologies at field level and technology adoption in the semi-arid conditions of Chittoor District in Andhra Pradesh. *Indian Journal of Sericulture* 46(1): 86-88.

**Dhane, V.P. and Dhane, A.V.** (2004a). Constraints faced by the farmers in Mulberry culturations and silk worm rearing. *Indian Journal of Sericulture* 43(2):29-34.

**Dhane, V.P. and Dhane, A.V.** (2004a). Constraints faced by the farmers in Mulberry culturations and silk worm rearing. *Indian Journal of Sericulture* 43(2):29-34.

**Dodamani, M.T., Mundinamani, S.M. and Hiremath, G.K.** (1997). Problems of sericulture enterprises in Gulbarga district, Karnataka. *Karnataka Journal of Agricultural Sciences* 10(4): 1128-1131.

**Farhat, I.Q.S., Malik, M.A., Sabhat, A. and Malik, A.F.** (2010). Adoption of improved sericultural practices by sericulturists in border area of Kashmir. *International Journal of Agriculture and Statistical Science* 6(1): 197-201.

**Gholva, M.A., Chola, R.R. and Solunke, D.A.** (1992). Training needs of the sericulturist. *Maharashtra Journal of Extension Education* 11: 196-200.

**Jagannathan, N.** (1995). Impact of sericulture on income and employment generation. *Indian Silk* 33(9): 11-16.

**Kate, P.S.** (2002). Management aspects of sericulture activity in Solapur district. *M.Sc. (Ag.) Thesis*, Mahatma Phule Krishi Vidyapeeth, Rahuri (MH).

**Kumaresan, P., Jaishankar and Qadri, S.M.H.** (2010). Impact of urbanization on sericulture development in Karnataka. *Journal of Rural Development* 29(2):113 – 123.

**Lakshmanan, S. and Devi, G.R.G.** (2007). Knowledge and adoption levels of farmers of bivoltine and cross breed sericultural technologies. *Indian Journal of Sericulture* 46(1): 72-75.

**Motamed, M.K.** (2002). Socio-economic constraints in sericulture production-an analytical study. *Researches in agricultural extension*. Division of Agri. Extension, IARI Vol-3, pp 133-135.

**Murthy, S.R.S.** (1977). Economics of silk cocoon production with irrigated mulberry in Devanahalli taluk, Bangalore district. *M.Sc. (Ag.) Thesis*, University of Agricultural Sciences, Bangalore (Karnataka).

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**Narasimhana, M.N.** (1983). Silkworm Seed technology (Lead Paper). National Seminar on Silk Research and Development, CSB, Bangalore, India. p.20.

**Pandit, D., Bagchi, S.N., Ghosh, S. and Das, N.K.** (2007). A study on mulberry sericulture adoption and constraints. *Journal of Interacademicia* 11(4): 492-497.

**Reddy, N.** (1990). A study of the characteristic and performance of farm Entrepreneur involved in sericulture in Chittoor district of Andhra Pradesh, *Ph.D. Thesis,* Andhra Pradesh. Agriculture University, Hyderabad (Andhra Pradesh).

**Reddy, R.K.P.** (2006a). A study on management efficiency of sericulturists in north Karnataka. *M.Sc. (Ag.) Thesis*, University of Agricultural Sciences, Dharwad (Karnataka).

**Sakthivel, N., Kumaresan, P., Qadri, S.M.H., Ravikumar, J. and Balakrishna, R.** (2012). Adoption of integrated pest management practices in sericulture – A case study in Tamil Nadu. *J. Biopest* 5: 212 – 215.

**Shivaraj, K.** (1985). A study on adoption behaviour, net income and employment potential of Bivoltine seed cocoon producers. *M.Sc. (Ag.) Thesis,* University of Agricultural sciences, Bangalore (Karnataka).

**Singh, K.A., Jagadeswar, R. and Hussain, S. A.** (1998). Constraints in cultivation of mulberry and silkworm rearing. *Maharashtra Journal of Extension Education* 17: 344-348

**Soni, S.** (2010). Study on the problems of tasar silk industries in Korba District (C.G.). *Advance Research Journal of Social Science* 1(2): 60-62.

**Sujatha, B., Reddy, P.L., Naik, S.S. and Sujathamma, P.** (2006). A study on adoption of recommended mulberry cultivation practices by sericulturists in Chittoor District of Andhra Pradesh. *Indian Journal of Sericulture* 45(2): 142-148.

**Suriyanarayanan, V. and Tamilselvi, G.** (2007). Constraints in sericulture enterprise. *International Journal of Agricultural Sciences* 3(2): 260-262.

**Vijaya, P.N.B. and Dandin, S.B.** (2005). A yield gaps and constraints in bivoltine cocoon production in Mandya district as Karnataka – An economic analysis. *Indian Journal of Sericulture* 44(1): 50 – 54.