



Research Article

A stochastic production frontier approach in the estimation of technical efficiency of cocoon production in Doda district of Jammu

■ ARTI SHARMA, JYOTI KACHROO, ANIL BHAT AND S.P. SINGH

ARTICLE CHRONICLE :

Received :
05.08.2013;

Revised :
08.09.2013;

Accepted :
22.09.2013

SUMMARY : This paper presents measures of the technical efficiency and factors influencing technical efficiency in cocoon production in Bharderwah Block of Doda district in Jammu & Kashmir State by using frontier production model. The results revealed that the mean technical efficiency was 68.48 per cent and the study implied that the average output could be increased by 31.52 per cent by adopting proper technology. The stochastic frontier analysis also showed that 76 per cent of the observed inefficiency was due to the farmer's decision making and 24 per cent of inefficiency was due to the random factor outside the control of the farmers. So for increasing the productivity of cocoon in this area, it is very important that the existing technologies should be properly utilized.

How to cite this article : Sharma, Arti, Kachroo, Jyoti, Bhat, Anil and Singh, S.P. (2013). A stochastic production frontier approach in the estimation of technical efficiency of cocoon production in Doda district of Jammu . *Agric. Update*, 8(4): 546-550.

KEY WORDS :

Technical efficiency,
Production, Cocoon,
Stochastic

Author for correspondence :

ANIL BHAT

Division of Agricultural
Economics and Statistics,
Faculty of Agriculture, Sher-
e-Kashmir University of
Agricultural Sciences and
Technology (J) Chatha,
JAMMU (J&K) INDIA
Email: anilxb@
rediffmail.com

See end of the article for
authors' affiliations