Research Paper

Profitability of soybean based farming system with efficiency of all enterprises

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ABSTRACT : Investigation regarding soybean based farming system was carried out during the year 2010-2011. About 32 farms were selected randomly from eight villages of Udgir tehsil of Latur district. Data were collected by personal interview method with the help of pretested schedule. Data were related to all crops and dairy herds on farms. The result revealed that total expenditure on all enterprises was Rs. 182732.85 in which share of expenditure on soybean crop was 23.70 per cent. Gross return from farm was Rs. 272845.43. Among crop enterprises, proportionate gross return of soybean was Rs. 35.87 per cent. Net profit from farm business was found Rs. 90112.58 in which soybean had the highest share of 60.54 per cent. In milch animals, crossbred cow had the highest share of 6.32 per cent. Output input ratio of soybean was the highest as 2.26 in *Kharif* season, while wheat showed the highest output input ratio as 1.58 in *Rabi* season. In regard to per hectare efficiency of crops, soybean showed the highest net profit of Rs 28869.19/hectare followed by that of wheat Rs. 21902.63/ hectare. Per milch animal, crossbred cow showed net profit of Rs. 10002.45 which was higher than per buffalo (Rs. 6141.05).

KEY WORDS : Soybean, Cost-C, Gross return, Net profit

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INTRODUCTION

Farm business analysis is the organization of a farm with objective of maximizing profit from the farm business on a continuing basis. It is the analysis of farming resources, alternatives, choices and opportunities within the frame work of resource restriction and social and personal constraints in farming business. This complex information is integrated and synthesized to increase profitability of farm business. The importance of farm business management is to understand the concept of farm and farm enterprises. The overall profitability of farm depends upon the income achieved from overall farm activities. All enterprises include *Kharif*, *Rabi* and summer crops as well as crossbred and buffalo dairy enterprises. In order to understand the profitability of farming system as a whole, there is need to estimate the profitability of individual crop enterprise as per area under crop as well as individual dairy enterprise as per herd. Summation of profits from all enterprises can be considered as profitability of farming system as a whole. The

efficiency is calculated as per hectare for crop enterprise and per milch animal for dairy enterprise.

Soils and climate of Latur district of Maharashtra are favourable to grow oilseed crops with rotation of cereal as well as pulse crops. Farmers are giving more importance to soybean crop in the cropping pattern. Some of the farmers are either rearing small herd of crossbred cow or buffalo as dairy enterprise. Soybean is always predominant activity in farming system as a whole. Thus, farmer's economy especially depends on soybean crop. In other words, soybean based farming system is existing as specialized farming in Latur district of Maharashtra. In order to know the profitability of farming system as a whole as well as efficiency of all enterprises on farm, the present study has been undertaken.

MATERIALS AND METHODS

Multistage sampling design was used in selection of district, tehsil, villages and soybean growers. In first stage,