INTERNATIONAL RESEARCH JOURNAL OF AGRICULTURAL ECONOMICS AND STATISTICS
Volume 2 Issue 2 (September, 2011) Page : 199-201

Received : *April, 2011;* ***Revised :*** *June, 2011;* ***Accepted :*** *August, 2011*

Research Paper

Costs, returns and profitability of fig production in Pune district of Maharashtra

M.Y. BHOSALE, R.D. SHELKE, V.K. AHER AND B.A. SHENEWAD

See end of the article for authors' affiliations

Correspondence to :
M.Y. BHOSALE
Department of Agricultural Economics, College of Agriculture, LATUR (M.S.) INDIA
megha6811@gmail.com

ABSTRACT

Investigation was carried out in Pune district of Maharashtra and data pertained to the year 2009-10. The study was conducted to estimate costs, returns and profitability of fig in Pune district of Maharashtra. Two Tehsils were selected from district and from each Tehsil six villages were selected. The data were collected from 5 respondents from each village *i.e.* total 60 fig growers were selected. Costs and returns of fig production were achieved by application of cost concepts of Cost-A, Cost-B and Cost-C with the help of tabular analysis. The results revealed that on an average Cost-A, Cost-B and Cost-C was worked out in fig as Rs. 44,261.89, Rs. 1,13,049.60 and Rs. 1,29,003.60, respectively. The gross return was 3,42,259.20 and output-input ratio was 2.65.

Bhosale, M.Y., Shelke, R.D., Aher, V.K. and Shenewad, B.A. (2011). Costs, returns and profitability of fig production in Pune district of Maharashtra, *Internat. Res. J. agric. Eco. & Stat.,* **2** (2) : 199-201.

Key words : FIG, Cost, Gross returns, Profitability

INTRODUCTION

Pune district, because of certain features of agro-climatic complex, is one of the important fruit growing centers in the State. Fig is cultivated on a commercial scale in the region and its economic cultivation has an influence on the prosperity of the cultivars. The success of the fig cultivation mostly depends upon the agro-climatic conditions and personal care taken by cultivars. However, 'Poona fig' variety is the only one successfully grown on a commercial scale as found desirable by the cultivars in this track. The present study was undertaken to estimate the costs and returns, profitability of fig in Pune district of Maharashtra. The objectives of the study The present study has been undertaken to estimate the costs and returns, profitability of fig in Pune district of Maharashtra.

MATERIALS AND METHODS

The study was conducted in Pune district of Maharashtra. The total sample consisted of 60 fig cultivars spread over 12 villages of Purandar and Bhor Tehsils. From the village, fig cultivars were selected randomly. Cross sectional data were collected from respondents by personal interview method with the help of well-constructed and pre-tested schedule. Data pertained to the year 2009-10 in regard to area of the garden, production, quantities of inputs, use of labour and so on.

Amortized establishment cost:

Annual amortized establishment cost was calculated by using capital recovery factor in the following formula:

$$A = P\left[\frac{i}{1-(1+i)^{-n}}\right]$$

where,
A= Annual amortized cost (Rs.)
P= Present establishment cost (Rs.)
n= Economic life of garden (years)
i= Discount rate at 12 per cent.

Rental value of land:

Rental value of owned land was estimated as ($1/6^{th}$) of the value of gross produce minus land revenue.

Rental value of land = 1/6 (Gross return) - Land revenue

Interest on fixed capital:

It was calculated by charging interest at the rate of 10 per cent on investment on commonly used assets like wooden implements, iron implements and farm shed.