

An economic analysis of soybean arrivals and price behavior in Akola district of Maharashtra

S.R. BENKE, M.D. JAGTAP, M.B. NICHIT AND S.H. RAMTEKE

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ABSTRACT

The objective of the present study was to calculate the value addition, benefit cost ratio and employment pattern in chickpea processing for the year 2004-05 for Marathwada region of Maharashtra state. The average cost required for the establishment of chickpea mill was Rs.4.80 Lakh in which the cost of machinery was the major item (61.46%). The net profit was Rs. 3.32 lakhs /year and it was directly related with size of processing unit. The per quintal net profit of chickpea processing was Rs.63.31. The value addition due to processing of chickpea was to the extent of Rs.14.97 during the study period. The net benefit cost ratio was 0.06 in chickpea processing. Chickpea mill provided employment to 11.18 workers for 250.48 days in a year. Casual workers contributed to the extent of 86.96 per cent in the total man days employed by chickpea mill. Average capacity utilization of chickpea mill was 71.20 per cent during the study period.

Key words : Capacity utilization, Value addition, Employment pattern, Chickpea.

Agriculture is characterized by wide variations in output of major food grains which subsequently lead to larger variation in market arrivals fluctuations in market arrivals lead to the price instability of major crops. The wild fluctuations affect the farmer's capacity of making sustained efforts for increasing production. This fluctuation in prices of agricultural commodity is greatest obstacle in the way of agricultural development. Agricultural arrivals and prices, therefore exercise a dominant influence on agricultural economy of our country.

The price of cereals assumes great significance for producers as well as consumers point of view. It is said that prices are mirror of economy of the country. The purpose of the present study is to examine the behaviour and pattern of fluctuations in prices and arrivals of jowar for the study in agriculture produce market committee's in Akola district.

Objectives of the study:

The present study has been undertaken with the following objectives are to study the year wise production of different crops, to study the market arrivals of different crops and to study the seasonal variation, cyclical variation

and trends in arrivals and prices of different crops.

METHODOLOGY

The present study has taken into consideration the arrivals and prices of soybean from APMC of Akola district for the period of 20 years *i.e.* 1987 to 2006. Data was analyzed statistically to achieved the objectives of the study

Compound growth rate:

The growth rates were computed by fitting the exponential function of kind.

$$Y = ab^t$$

in log linear form *i.e.* $\log y = \log a + t \log b$

where, t is the time variable y is variable for which growth rate is calculated.

$$b = (1 + r) \text{ and } r = b - 1$$

where, r is the compound growth rate. The significance of compound growth rate was tested by applying 't' test of significance.

General model used for analysis:

Multiplicative model were used for analysis.

$$Y = T \times S \times C \times I$$

where,

Y = Result of the four elements

T = Trend

S = Seasonal component

Correspondence to:

M.D. JAGTAP, Agricultural Economics Section, Padmashree Dr. D.Y. Patil College of Agriculture and Business Management, Akurdi, PUNE (M.S.) INDIA

Authors' affiliations:

S.R. BENKE, M.B. NICHIT AND S.H. RAMTEKE, Agricultural Economics Section, Padmashree Dr. D.Y. Patil College of Agriculture and Business Management, Akurdi, PUNE (M.S.) INDIA