

An economic analysis of turmeric arrivals and price behaviour in Sangli district of Maharashtra

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ABSTRACT

Investigation was carried out during the year 2009-2010. Data were collected for the year 2000-2001 to 2010-2011 from Sangli APMC. Growth rate and trend equation were used for analysis of data. The result revealed that maximum arrival index was 261.22 per cent in the month of March were and minimum arrival index 24.78 per cent in the month of October. Price index was maximum 125.45 per cent in the month of September while it was minimum 88.06 per cent in the month of December. It was observed that there was inverse relationship between arrivals and prices of turmeric in Sangli market.

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Key words : Turmeric, Prices, Arrivals, Price index, Arrival index

Agriculture is characterized by the wide variation in output. Turmeric subsequently leads to larger variation in market arrivals, fluctuations in market arrivals lead to the price instability of turmeric crop. 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 turmeric 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 was to examine the behaviour and pattern of fluctuations in prices and arrivals of turmeric for the study in agriculture produce market committee's in Sangli district.

METHODOLOGY

The present study has taken into consideration the arrivals and prices of turmeric from APMC of Sangli district for the period of 2000-2001 to 2010-2011. Data were analyzed to achieve the objectives of the study. After

compilation of data, functional analysis such as seasonal indices, S.D., C.V. (%), correlation and regression were computed for precision in conclusion. The computation procedure, of these analytical tools is given in the following section.

Growth rate:

The annual trend in the arrivals and prices were worked out by measuring the growth in arrivals and prices of commodities.

The trend equation tried was

$$Y = a + bt + U_i$$

where,

Y = Yearly arrivals / price

t = Time period

U_i = Random errors

LGR will be worked out using the equation,

$$\text{Linear growth rate (LGR)} = \frac{b}{y} \times 100$$

where,

b = Regression coefficient

\bar{y} = Arithmetic mean

Compound growth rate (CGR):

Compound growth rate will be calculated by using both using exponential curve fit

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