

## ANALYSIS OF TREND AND SEASONALITY IN PRICES AND ARRIVALS OF SELECTED AGRICULTURAL COMMODITIES IN INDIA

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*Received-04.08.2021, Revised-16.08.2021, Accepted-25.08.2021*

**Abstract:** To find out the fluctuation in the prices and arrivals of the selected agricultural commodities. The study was conducted for the period of 2004-2020 by collecting secondary data from CMIE database. The major agricultural commodities are selected purposively on the basis of high prices and arrivals in the market. The selection of the agricultural commodities for the present study includes Castor seeds, Coriander, Soybean, Jeera and Turmeric. For Castor seeds (Deesa), for Coriander (Kota), for Soybean (Akola), for Jeera (Unjha) and for Turmeric (Nizamabad) market were selected. The selection of the markets was proposed according to the volume of trade. To examine the growth of prices and arrivals of selected agricultural commodities over the years, Compound Growth rate (CGR) was employed. The seasonality in prices and arrivals of selected agricultural commodities over the year is calculated by using moving average method. The results of the study showed that there is a positive and significant growth rate has been observed in the prices of selected commodities with Jeera showing the highest growth rate of (9.87%) in arrivals followed by Turmeric (9.05%) and the lowest in Coriander (5.06%) as against the prices where it showed all together a different scenario with highest in case of Coriander (7.55%) followed by Soybean (7.24%) and lowest in Jeera with (5.69%) respectively. The results of the findings revealed that in all the commodities high seasonal indices are observed from March to June indicating high post-harvest arrivals during these months. In case of Soybean and Turmeric, the seasonal index for prices is high in the months from April to September, which reveals that there is lack of storage facilities and the production during these months is very low. This study suggested for improvement in the infrastructure, storage and post-harvest techniques, so that the arrivals of these commodities get increased and availability should be throughout the year so that the prices get minimized.

**Keywords:** Seasonal indices, Commodities, Growth rate, Arrivals, CMIE database

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