A STUDY OF THE GROWTH AND INSTABILITY IN AREA AND PRODUCTION OF ONION IN GUJARAT, INDIA

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Abstract: The present study was based on the secondary time series data on various aspects. Total eight regulated markets were selected purposively based on maximum arrivals of onion in the markets. The markets covered under the study were Mahuva (Station road), Ahmedabad (Chimanlal Patel market Vasana), Bhavnagar, Gondal, Vadodara (Sayajipura), Rajkot, Surat and Bharuch market. The secondary data on monthly wholesale prices and arrivals was collected from the website of www.agmarknet.gov.in of selected regulated markets for last ten years (2007 to 2016). For analysis of data several analytical tools were used *viz.*, Compound Growth Rate, Instability Index, Inter year and Intra year price indices, correlation coefficient and Johansen co-integration approach. The findings of the study showed that area, production and productivity of onion were decreased over the years but statistically non-significant. Further, it was observed that the growth rate of arrivals was statistically significant in Mahuva, Bhavnagar and Gondal market. Whereas, the highest growth rate of arrivals was found in Mahuva market. The compound growth rate of wholesale prices of onion in Vadodara market was found positive and significant. The onion arrival and price indices did not continuously increase or decrease uniformly over the years in all the selected markets.

Keywords: Onion, Growth, Instability, Market, Gujarat

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