

preventing the farmers in taking the optimal decision on allocation of area and raising farm productivity.

Relationship between Arrivals and Prices of Onion in Madhya Pradesh

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To analyze relationship between arrivals and prices of onion in Madhya Pradesh, average market arrivals, model prices and retail prices in different months from 2012-13 to 2017-18 have been collected from major onion Markets viz. Dewas, Indore, Sagar, Bhopal, Gwalior, Rewa, Jabalpur and Shajapur. It is observed from the data that April, May, June, July and November were found to be peak period of arrivals of Onion in the market. In peak period, 96 percent more than the average arrivals of onion in a year were observed, June (314 percent) followed by May (107 percent), April (45 percent), November (7 percent) and July (5 percent) were found to be major months of arrival of onion in the market. August, September, October, December, January, February and March were found to be lean period of onion arrivals in the State. In these months of mean market arrivals of onion were observed to be 20 percent less than the mean arrival of onion in a year in the State. As regards to mean model and retail price of the onion in different months of the year, the it was found to be Rs. 879/q and Rs. 1893/q showing 115 percent higher retail price as compared to model price, which was observed 121 and 116 percent high during peak and lean periods, respectively. During peak period, the model and retail price were found to be 21 and 19 percent lower than average model and retail price, while during the lean period these were found to be higher by 6 and 4 percent than the average model and retail price, respectively. This indicates inverse relationship between arrivals and prices of onion in the market except in the months of December, January, February and March. Hence, there is possibility to improve the price stability, through adoption of proper storage policy right from the type of seeds, the plantation methods, post-harvest practices, storage structures etc.

India is the second largest onion growing country in the world. Madhya Pradesh is the third largest onion producing state after Maharashtra and Karnataka and accounting for 15 percent of total production of onion in the country.

Madhya Pradesh is producing about 3.05 m MT of onion from an area of 0.12 m MT with an average productivity of 24.90 t/ha. This study is conducted to analyse growth of area, production and productivity of onion in Madhya Pradesh as compare to India in the period from 2012-17. The study reveals that Indore (17.83 percent) followed by Shajapur (12.54 percent), Sagar (12.01 percent), Dewas (11.32 percent), Khandwa (9.59 percent), Ujjain (6.60 percent), Shivpuri (5.78 percent), Rewa (5.65 percent), Ratlam (5.42 percent), Agar Malwa (5.06 percent), Rajgarh (4.44 percent) and Satna (3.76 percent) found to be major onion growing districts of Madhya Pradesh, contributed 68.40 percent of total production of onion in the State. This indicates that the production of Onion concentrate in western along with Shivpuri in North, Sagar in Central and Rewa and Satna in the eastern parts of the State.