



RESEARCH PAPER

Statewise performance of maize in India

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Abstract : The present study “Statewise performance of Maize in India” was undertaken to examine the growth pattern and instability of area, production, productivity and cost of cultivation. The data were collected on area, production, productivity and cost of cultivation of maize grown in India pertaining to the period from 2001-02 to 2020-21 (20 years) was spilt into sub-periods i.e. period I 2001-02 to 2010-11, period II: 2011-12 to 2020-21 and overall period 2001-02 to 2020-21. The results showed that, the compound growth rates for area were positive for all the maize growing states except Madhya Pradesh and Uttar Pradesh during period I, for the period II, five states showed negative growth rate except Tamil Nadu. All states are positive during overall period except Rajasthan and Uttar Pradesh. At overall level the compound growth rate of area of maize was highest in Maharashtra. The compound growth rate of production and productivity was highest in Tamil Nadu. The compound growth rate of cost of cultivation was positive for all the maize growing states. The highest coefficient of variation for area, production and productivity was observed in Maharashtra, Tamil Nadu respectively. Whereas, cost of cultivation of maize includes Cost A₁, Cost B₂ and Cost C₂ was highest in Uttar Pradesh. The co-efficient of variation of cost of production was highest in Tamil Nadu. The highest Cuddy Della Valle instability index for area, production and productivity was observed in Andhra Pradesh, Madhya Pradesh and Tamil Nadu. Whereas, cost of cultivation of maize includes Cost A₁, Cost B₂, and Cost C₂ was highest in Uttar Pradesh, Bihar and Rajasthan, respectively.

Key Words : Compound growth, Instability, Co-efficient of variation, Cuddy della valle instability index

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