



RESEARCH PAPER

Statewise performance of paddy in India

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Abstract : The present study aimed to examine the growth and instability of area, production and productivity of paddy in India for the last 20 years from 2001-02 to 2020-21, in two different sub periods, period I (2001-2011) and period II (2012-2021). The growth rates were calculated by exponential function and instability by co-efficient of variation and Cuddy Della Valle's instability index. The result showed that, the compound growth rates for area were negative for all the paddy growing states except Punjab and Tamil Nadu during period I and West Bengal, Punjab, Madhya Pradesh and Tamil Nadu during period II. In period I, Punjab was the only state which showed positive growth rate of 1.25 per cent per annum and was statistically significant at 1 per cent level. At overall level the compound growth rates of area, production and productivity of paddy were highest in Madhya Pradesh. Instability analysis revealed that the highest co-efficient of variation for area was observed in Andhra Pradesh. Whereas, the highest co-efficient of variation for production and productivity under paddy cultivation was observed in Madhya Pradesh. The highest Cuddy Della Valle's instability index for area was observed in Andhra Pradesh. Whereas, the highest Cuddy Della Valle's instability index for production and productivity was observed in Bihar.

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

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