ABSTRACT

The analysis of growth is usually used in economic studies to find out the trend of a particular variable over a period of time and used for making policy decisions. The present study initiates and analyzes the trends in area, production, and productivity of kharif paddy in Chhattisgarh state at district and agro-climatic zone levels, covering the most recent period from 2000-01 to 2015-16 by using mean, a coefficient of variation and compound growth rates. All the agro-climatic zones of Chhattisgarh (except Bastar plateau) and whole Chhattisgarh state recorded significant and positive growth rate in production and productivity of Kharif rice with 27.64 to 30.39 per cent fluctuation in production and with 26.89 to 29.89 per cent fluctuation in productivity. The growth rate in the area under kharif paddy was positive and statistically significant only in Chhattisgarh plains zone and in whole Chhattisgarh state while in case of northern hills zone, it was negative and significant. Most of the districts come under Chhattisgarh plains zone registered a positive and significant compound growth rates in the area, production, and productivity of kharif rice. The increase in production was mainly due to an increase in productivity of Kharif rice in the state. The predicted result shows an increase in area, production and productivity of Kharif rice in the state.

KEYWORDS: Kharif Paddy, Growth, Coefficient of Variation, Area, Production & Productivity