TEMPORAL VARIATIONS IN AREA, PRODUCTION AND PRODUCTIVITY OF TURMERIC CROP IN INDIA

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ABSTRACT

Attempts have been made to examine the trends and forecasting in area, production and productivity of Turmeric crop in India. Linear and compound growth rates were calculated for this purpose. Ten growth models were fitted to the area, production and productivity of Turmeric crop and best- fitted model for future projection was chosen based upon least Residual Mean Square (RMS) and significant Adj Besides, the important assumption of randomness of residuals was tested using one sample run test. The reference period of study was from 1950-2015 and it was carried out in India. future projections indicated that area, production and productivity of turmeric crop in India, indicated that an increasing trend with area of 215.97 thousand hectares, production of 1247.05 thousand tonnes and productivity of 5.3 tonnes/ha by 2018 AD.

KEYWORDS: productivity of Turmeric crop, Residual Mean Square (RMS)