

# **Growth Trends of Paddy in Guntur District of Andhra Pradesh**

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## **ABSTRACT**

The present investigation was carried out to study the growth rates and trends of paddy area, production and productivity in Guntur district of Andhra Pradesh for the period 1970 to 2011 and to estimate the future projections upto 2020 AD by using the growth functions like linear, logarithmic, inverse, quadratic, cubic, compound, power and exponential. Statistically most suited growth model is selected based on the criteria viz., significant adjusted  $R^2$  and least Residual Mean Sum of Squares (RMSS).

**Key words** : Adjusted  $R^2$ , Coefficient of variation, Future projections, Growth rates, Growth trends, RMSS