



**Research Paper**

## Growth and instability of orange in India

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**ABSTRACT :** The growth of horticulture crops has become one of the driving forces for overall development of agricultural sector in India. With the emergence of urbanization and modernization, changes in cropping pattern from traditional to high value cash crops, especially the horticultural crops has been initiated in Indian agriculture. Keeping these understandings in mind, the present study estimates the growth rate and instability performance in area, production and productivity of Orange crops over years in India. The performance of Orange in India carried with the objective to study the growth and instability of area, production and productivity of oranges in India. The secondary data on area, production and productivity of orange were collected from database of National Horticultural Board, Ministry of Agriculture, Govt. of India. The data pertained to the period of 20 years *i.e.* from 1993-94 to 2012-13 during the study period data were divided in to four periods *viz.*, Period-I (1993-94 to 1997-98), Period-II ( 1998-99 to 2002-2003), Period-III ( 2003-04 to 2007-08), Period-IV ( 2008-09 to 2012-13) and overall period which termed as period-V (1993-94 to 2012-13). The growth and instability in area, production and productivity of orange in India, the highest instability was observed in period-I followed by period –III in area and production on period-II followed by period-III and productivity on period-III followed by period-II. The lowest instability was observed in period II on area and production on period-I and productivity on period-I. There was fluctuation or variability observed in time series data.

**KEY WORDS:** Orange, Growth, Instability

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