

Research  
Paper

## Performance of Kagzi lime production in Akola district of Vidarbha region

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### ABSTRACT

The present study was an attempt to evaluate the growth and instability of Kagzi lime. For the present study, Akola district from Vidarbha region was chosen purposively as area under Kagzi lime is highest. The study was based on secondary data from the year 1984-85 to 2004-05. The results revealed that Kagzi lime is an important crop in Akola district. The growth rates for area and production of Kagzi lime were found significant. Instability studied in Akola district indicated that Kagzi lime productivity exhibited less variation. It means that production of Kagzi lime over the period has been almost constant. Production witnessed highest instability as compared to area and productivity.

Bodade, V.M. and Borkar, Prema (2011). Performance of Kagzi lime production in Akola district of Vidarbha region, *Internat. Res. J. agric. Eco. & Stat.*, 2 (2) : 177-179.

**Key words :** Kagzi lime, Performance, Production

### INTRODUCTION

Cultivation of Kagzi lime has assumed much importance in view of scarcity of Kagzi lime. Government has been trying to increase Kagzi lime production in country. Kagzi lime is an important fruit crop in Indian subcontinent. Farmers earn a good profit from Kagzi lime cultivation and there is also advantage in value addition in Kagzi lime that it gives the good profit to processor. The data collected on performance of Kagzi lime, economies of Kagzi lime, marketing of Kagzi lime and value addition in Kagzi lime were tabulated and analyzed to accomplish the objectives of study. The results obtained are presented and discussed in logical order in light of the objective of the study.

An agricultural sector being unstable in nature may substantially impede the economic growth of the country. The spectacular performance of agricultural sector primarily is determined by the generation and sustenance of growth in production. The production instability tends to be transmitted to the markets and may cause wide fluctuations in prices of agricultural commodities (Marawar *et al.*, 2003). With this view it is essential to study the growth and instability of Kagzi lime production in Akola district from Vidarbha region. The objectives are as follows: to study the growth rates in area, production

and productivity of Kagzi lime production in Akola district of Vidarbha region, to study the degree of instability in area, production and productivity of Kagzi lime production in Akola district of Vidarbha region.

### MATERIALS AND METHODS

The study covers a 21 year period of study predominantly based on secondary data pertained to the year 1984-85 to 2004-05. Data on area, production and productivity of Kagzi lime were collected from various issues of epitome of agriculture. The entire study was split into two sub periods. The growth rates were calculated separately for the overall period (1984-85 to 2004-05) and for two sub periods, periods I (1984-85 to 1994-1995) and period II (1995-96 to 2004-05), in order to study the instability in area and productivity which are the major sources of production instability. The coppock's instability index, coefficient of variation were estimated for the study period.

#### Estimation of growth rates:

The growth rates in area, production and productivity were studied estimating compound growth rates at different periods. Both linear and compound growth rates were estimated. However, finally the compound growth