

## **Methodology adopted for collection of Area & production statistics.**

### **Methods adopted at National level:**

Currently there are two main sources that generate statistics of area and production of Horticultural crops in the country. The first is the Directorate of Economics and Statistics, Ministry of Agriculture (DESMOA), GOI, which operates a Centrally sponsored scheme “Crop Estimation Survey on Fruits and Vegetables” covering 7 fruits and 7 vegetable and spice crops for estimating area and production. The fruit crops covered are mango, banana, apple, citrus, grapes, pineapple and guava. The vegetable and spice crops are potato, onion, tomato, cabbage, cauliflower, ginger and turmeric.

The Survey, which is still in a “pilot” stage follows a three-stage stratified random sampling design in case of fruit crops, with village orchard and fruit bearing tree as the sampling units at the successive stages. The sample size is usually 150 to 200 sample villages in each major fruit-growing district, five orchards per sample village and four fruit bearing trees per orchard. The number and weight of fruits gathered from the sampled trees is observed and recorded, which form the basis for yield estimation. The survey approach in the case of vegetable crops is somewhat more complex due to special features like short duration of the crop and the number of pickings required to record the harvested produce. The results are published in ‘Report and database of Pilot Scheme on Major Fruits and Vegetables’.

The second source of horticultural statistics is the National Horticultural Board (NHB), which compiles and publishes estimates of area, production and prices of all important fruit and vegetable crops based on reports furnished by the State Directorate of Horticulture and Agriculture. The methodology followed by NHB for estimating area and production has not been clearly spelt out. These estimates are apparently based on the informed assessment of local level official dealing with horticulture and the reports of market arrivals in major wholesale fruit and vegetable markets.

**Methods adopted at State level:**

**During the year the crop survey is conducted by the state government by a method using mobile app technology to estimate the area of Horticultural crops.**

- a) These sets of figures have some variations, such variations are set right in the Reconcillaltion Committee formed at Taluka level headed by the Tahasildar, at District level headed by the Deputy Commissioner.
- b) The information on Production and Productivity is obtained as follows-
  1. By considering the yield of the individual crops grown
  2. The package of practices under normal conditions recommended by the University of Agricultural Sciences, Bangalore & Dharwad
  3. By taking into account the climatic conditions (floods/drought) of regions observed by the Taluka level field officers/staff
  4. By observing the field conditions and land utilization.
  5. Oral enquiry method is being adopted to estimate the area and yield rate of crops.