

GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE AND FARMERS WELFARE  
DEPARTMENT OF AGRICULTURE, COOPERATION AND FARMERS WELFARE

**LOK SABHA**  
**UNSTARRED QUESTION NO.2716**  
TO BE ANSWERED ON THE 2<sup>ND</sup> AUGUST, 2016

**HORTICULTURE PRODUCTION ASSESSMENT**

2716. SHRI RAJENDRA AGRAWAL:

Will the Minister of AGRICULTURE AND FARMERS WELFARE प्रश्नकर्ता एवं किसान कल्याण  
सेवा विभाग  
be pleased to state:

- whether the Government faces the challenges in horticulture production assessment since these crops are grown in small and scattered portions of land;
- if so, the details thereof; and
- the details of the methodology or technique adopted by the Government to make more precise estimation of the same?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

प्रश्नकर्ता एवं किसान कल्याण सेवा विभाग ( SHRI  
PARSHOTTAM RUPALA)

(a) & (b): Yes, Madam. The nature of horticulture crops is such that it is not easy to make assessment of their production. These crops, especially vegetables are grown in small plots, fields or in the back of the houses, do not have single harvesting in most of the cases which makes their assessment difficult. Many horticulture crops have multiple pickings in a single season. Similarly many fruit trees are scattered, which do not count for assessment.

(c): In view of above difficulties several research studies were taken up by agricultural scientists in the past. Recently Department of Agriculture, Cooperation & Farmers Welfare has launched a new project called CHAMAN. Under this project sound methodology for estimation of Horticulture crops is being developed and implemented on pilot basis using Sample Survey methodology and Remote Sensing technology.

Indian Agricultural Statistics Research Institute (IASRI) has developed a Sample Survey methodology which is now being implemented on pilot basis in 5 states for estimation of area & production in respect of major horticulture crops under the project CHAMAN.

Simultaneously under CHAMAN, another project for area and production assessment of seven major horticulture crops through Remote Sensing, is being carried out by Mahalanobis National Crop Forecast Centre (MNCFC). Besides estimation of crops, MNCFC is carrying out several developmental studies and is also conducting some research studies for precision farming and developing signatures for horticulture crops like vegetables, being grown in smaller plots, for their assessment.

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