Mapping and Acreage Estimation of Horticultural crops at Block Level using Remote Sensing & G.I.S.Techniques

The project on Mapping and Acreage Estimation of Horticultural crops is currently being undertaken by Remote Sensing Applications Centre, U.P., Lucknow. The project aims to provide reliable and timely information of orchard plantation acreage at block level in selected districts by the use of high resolution satellite data in remote sensing technology. Besides acreage estimation under mentha crop is proposed to be taken up in major growing districts of Uttar Pradesh using remote sensing technique.

OBJECTIVES

The major objectives of the project are:

I. Mapping of different types of orchard plantation at block level.
2. Acreage estimation of different types of orchard plantation at block level.
3. Mapping of Mentha crop at block/district level.
4. Acreage estimation of Mentha crop at block/district level.

STUDY AREA

(A) Fruit Crops- Twenty one districts of Uttar Pradesh are proposed to be taken up for mapping and acreage estimation of different types of orchard plantation at district level namely-

Pratapgarh, Sant Ravidas Nagar, Mirzapur, Chandauli, Bareilly, Shahjahanpur, Budaun. Farrukhabad, Bijnor, Gautam Budh Nagar, Aligarh, Etah, Etawah, Kannaui. Allahabad, Muzaffarnagar, Manipuri, Firozabad, Gonda, Jhansi and Hamirpur.

(B) Mentha Crop- Nine districts of Uttar Pradesh are proposed to be taken up for mapping & acreage estimation of mentha crop namely-

Badaun, Pilibhit , Bahraich, Rampur, Barabanki, Shahiahanpur, Bareilly, Sitapur, Moradabad

OUTPUTS OF THE PROJECT

Through digital analysis of the satellite data, the following outputs are proposed to be generated:

- **Area estimate of different types of orchards at block level.**
- **Thematic maps showing location and spatial coverage of different types of orchard at block level along with respective technical report.**
- **Acreage estimation of mentha crop at district level along with respective thematic map & technical report.**