

Mapping of Active Agriculture using Satellite based Observation (MAASO)

The Uttarakhand Space Application Centre (USAC) is running a project Mapping of Active Agriculture using Satellite based Observation (MAASO). This project is conceptualized at the centre and funded by State Government. Since, the Agriculture and horticulture are the primary sources of economy of Uttarakhand from the past. The traditional crops, unique healthy agriculture crops as well as temperate fruit crops can make an impact on the economy of the state. Due to changes in climatic conditions, wild animals and migration of the people from hills, especially from villages to nearby town or other parts of the country the agriculture land in many hilly villages of the state is now unattended and converted into barren or deemed forest category.

The changed pattern of agriculture land is still in a qualitative form and the quantitative information of the actual existing crop is needed to be assessed in the state. The remote sensing and advanced positioning technology can be utilized for quantifying the status of active crop.

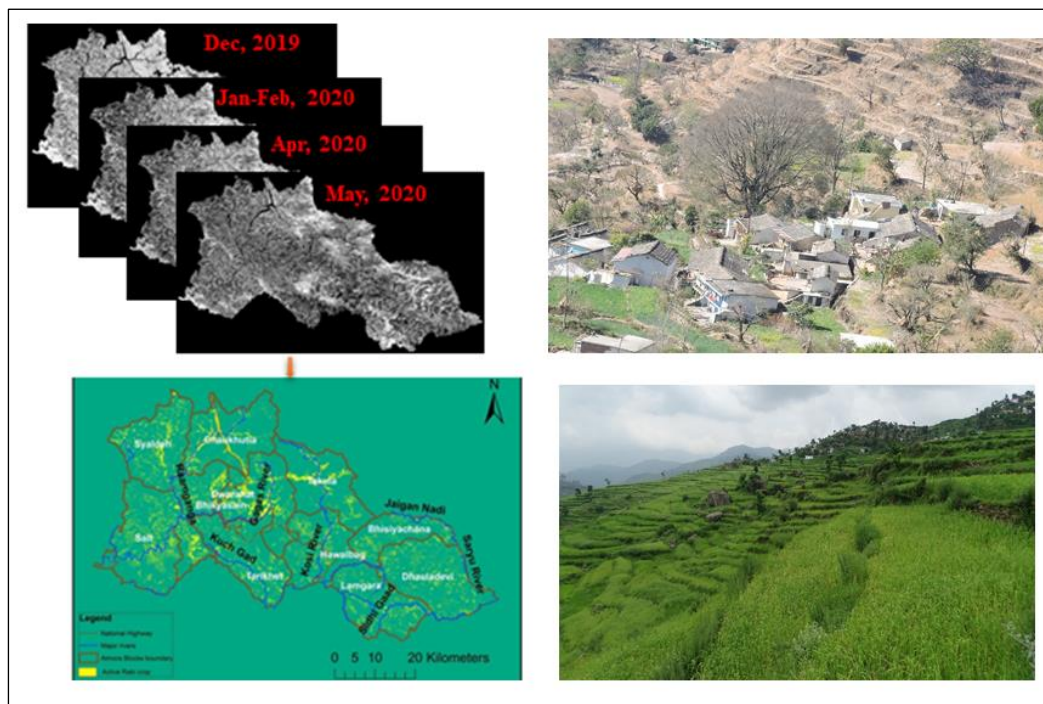
The objectives of this project are:

- 1) To quantify the active agriculture in the state
- 2) To find out district wise actual areal extent of agriculture.
- 3) To monitor the active agriculture land of the state.

Currently, for five (05) districts of the state the active agriculture crop during Rabi season have been mapped using the temporal satellite data.

Beneficiary: Agriculture; Board of Revenue Uttarakhand; Planning; Food, Civil Supplies & consumer affairs

Benefits: Active agriculture of the state; changing pattern of the active agriculture land.



□□□□□□ □□ □□□□□□ □□□□□□□□□□ □□□□□□
 □□□□□□□□ □□□□□□ □□□□□□□□□□ (□□. □. □. □□. □.)

0000000000 000000000 000000 0000000 (USAC) '0000000 00 0000000
 000000000000 0000000 00000000 000000 000000000000 (00. 0. 0. 00. 0.)' 0000
 00 000000000 000 000 000 00 000000000 00 000000000 000000 000 00 00
 00 00 000 000000 000000 000000000000 0000 000 000 000000, 0000
 00 00000000 0000 00 00 0000000000 00 00000000000000 00 000000000
 000000 000 0000 000000000 000000, 000000 0000000 0000 000000 00
 00000000 00 0000 000000 000000 00 00000000000000 00 0000000 000 0000
 0000 0000000 0000000000000000 000 000000, 000000 00000000 00 00000000 00
 000000 00 000000, 000000 0000000 00 0000000 000000 00 000 00 0000
 00000000 000 000000 00 0000 000000 00 00 0000000 0000000 000 0000 0000
 00 000000 00000 00 00 000 00 00 0000000 000 000 00 000

0000 0000 00 0000 000 0000000 000 00 000000000 000 000 00 000
 000000 00 000000000 0000000 000 00 00000000000 00000000 00 0000 000
 0000 00 000000000 000 0000000 000 00 0000000 00 0000 0000 00 000
 000000 000000000 00 000000 00000000000 000000 00 000000 00000 00 0000 000

00 00000000 00 00000000 000:

- 1) 000000 000 0000000 0000 00 00000000 0000
- 2) 0000 00 00000000 000000000 00000000 0000 00 000 0000000
- 3) 000000 00 0000000 0000 0000 00 000000000 000000

00000000 000, 000000 00 0000 (05) 000000 00 000 000 0000 00 000000
00000000 00000 000 00 0000000000 00000000 00000 00 000000 00000 00000000000
00000 0000 0000

□□□□□□□□ : Agriculture; Board of Revenue Uttarakhand; Planning; Food, Civil Supplies & consumer affairs

□□□: Active agriculture of the state; changing pattern of the active agriculture land.

