

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:5422
ANSWERED ON:28.04.2003
REMOTE SENSING APPLICATION FOR CROP FORECAST
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Will the Minister of AGRICULTURE be pleased to state:

- (a) whether the Government have recently devised remote sensing application for accurate crop forecast;
- (b) if so, the details thereof;
- (c) whether the devise has been developed after a successful pilot project;
- (d) if so, whether the project is proposed to be implemented in States including Maharashtra; and
- (e) if so, the details thereof, State-wise?

Answer

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV)

(a) & (b): The Government is considering to implement during the Tenth Five Year Plan a project called 'Forecasting Agricultural Output using Space, Agro-meteorology and Land-based Observations'(FASAL) as an umbrella project aiming to use diverse remote sensing applications for agriculture with primary focus on crop forecasting. The project is jointly conceived by the Department of Space and the Department of Agriculture & Cooperation. The approach integrates inputs from three types of observations viz., remote sensing, weather and field observations and providing complementary and supplementary information, to make forecasts and inferences of desired coverage, accuracy, and timeliness.

Other uses of remote sensing in agriculture cover land use & wasteland mapping, drought assessment, soil resource surveys, cropping system analysis, Horticulture crops coverage, etc.

(c): The tools of Remote Sensing applications for crop acreage and production assessment of select crops have been developed and validated under the scheme 'Crop Acreage and Production Estimations(CAPE)' funded by Department of Agriculture and Cooperation and operated by Department of Space.