

# AgriStack

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**In news-** The Department of Agriculture, Cooperation and Farmers Welfare, entered into a MoU with Microsoft Corporation to create a 'Unified Farmer Service Interface' through its cloud computing services. The pilot project will be started in **100 villages of Uttar Pradesh, Madhya Pradesh, Gujarat, Haryana, Rajasthan and Andhra Pradesh.**

## **More information-**

- The government, through this MoU, aims to provide 'required data sets' of farmers' personal information to Microsoft to develop a farmer interface for 'smart and well-organised agriculture'.
- This sets in motion the ministry's plan of creating '**AgriStack**' – **a collection of technology-based interventions in agriculture**, on which everything else will be built.
- The ministry signed four other MoUs with Star Agribazaar, Patanjali Organic Research Institute for agricultural management and services, Amazon Internet Services, and Esri India for different operations under AgriStack.
- The government has published a consultation paper called **The India Digital Ecosystem of Agriculture (IDEA)**, laying out a proposed framework for 'AgriStack'.
- In all the MoUs, there are provisions under which the agriculture ministry will enter into a **data sharing agreement with the private companies** of the likes of Amazon, Microsoft and Patanjali.
- The MoU with Star Agribazaar includes '**farmer data sanitisation**', land profiling and crop estimation using remote sensing in three districts of Kota (Rajasthan), Guna (Madhya Pradesh) and Mathura (Uttar Pradesh).
- The MoU with Patanjali involves developing a **mobile**

**application for advising farmers on soil nutrition, accurate quantification on farmer crop and yield,** and fertiliser recommendations in three districts of Haridwar (Uttarakhand), Hamirpur (Uttar Pradesh) and Morena (Madhya Pradesh).

- In the MoU with Amazon Internet Services, it is discussed that the company will build a **“National Agri Data Stack”** that can serve as a foundational data layer on which “agri focussed solutions” will be built.
- The Esri India MoU discusses how the company will support the ministry in establishing a **‘national agriculture geo hub’**, provide the required GIS tools and technologies and create and collate farmer and other agriculture data services on GIS platform.