

AgriStack

Prelims: Current events of national and international importance | Economy

Why in News?

Recently, the Finance Minister unveiled an AI-driven advisory and roadmap for AgriStack, making it the "next UPI" for farmers.

- **AgriStack** - It is a **centralised Digital Public Infrastructure (DPI) platform** for the agriculture sector.
 - It is a sub-component of the **umbrella scheme, the Digital Agriculture Mission (DAM)**.
- **Launched in** - 2024.
- **Nodal Ministry** - **Ministry of Agriculture & Farmers Welfare**.
- **Implementation** - It is a collaborative project between the various agencies of the Central and State Governments.
 - **Built on** - InDEA 2.0 (India Digital Ecosystem Architecture) standards for interoperability and security.
- **Objectives** - Drive innovative, farmer-centric digital solutions.
- Ensure timely and reliable crop-related information is accessible to all farmers.
- **Key targets** - Generate 11 Crore Farmer IDs (digital identities) by 2026-27.
- **Components** -

Blocks	Purpose
Farmer Registry & Farmland Plot Registry	<ul style="list-style-type: none"> • Assigns a unique Farmer ID linked dynamically to land records, demographic details, crops, livestock, and benefits availed. • Enables digital access to schemes, loans, insurance, and other services.
Unified Farmer Service Interface (UFSI)	<ul style="list-style-type: none"> • A federated interface with standardized schema and APIs allowing government, banks, Agri-Techs, and value chain companies to securely access farmer data. • Ensures interoperability.
Crop Sown Registry	<ul style="list-style-type: none"> • Records all crops sown on each farm every season via smartphone, drone, and satellite-based surveys. • State-standardized crop data, centrally stored, replaces paper surveys.
AgriStack Sandbox	<ul style="list-style-type: none"> • A "safe space" for startups to test new apps and solutions using AgriStack data.

Consent Manager	<ul style="list-style-type: none"> Ensures data privacy and compliance with relevant regulations. Provides farmers (data principals) an easy-to-use interface to give, manage, or revoke consent, forming a critical pillar for trust and secure data usage. <p>- Farmers can manage or revoke access to their data.</p>
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- **Progress - Bharat-VISTAAR** - A multilingual AI tool (Virtually Integrated System to Access Agricultural Resources).
- Serves as AgriStack's "intelligence layer," providing AI-driven, local-language advisory linked to ICAR practices.
- **Leading States** - Maharashtra, MP, Rajasthan, Gujarat, Chhattisgarh, Andhra, Karnataka, Tamil Nadu, and Telangana as the *frontrunners in Farmer ID generation*.
- **AgriStack Roadmap - Farmer Registry** - Complete synchronisation with Records of Rights by March 2027 (North Eastern states - 2028).
- **Crop Sown Registry** - Cover 30 crore farm plots by the Kharif 2026 season.
- **Village Maps** - Geo-referencing of 6.75 lakh villages by March 2027.

References

1. [IE | AgriStack](#)
2. [About | AgriStack](#)

