# 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** | • Assigns a unique Farmer ID linked dynamically to land records, demographic details, crops, livestock, and benefits availed.<br>• Enables digital access to schemes, loans, insurance, and other services. |
| **Unified Farmer Service Interface (UFSI)** | • A federated interface with standardized schema and APIs allowing government, banks, Agri-Techs, and value chain companies to securely access farmer data.<br>• Ensures interoperability. |
| **Crop Sown Registry** | • Records all crops sown on each farm every season via smartphone, drone, and satellite-based surveys.<br>• State-standardized crop data, centrally stored, replaces paper surveys. |
| **AgriStack Sandbox** | • A "safe space" for startups to test new apps and solutions using AgriStack data. |

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| **Consent Manager** | • Ensures data privacy and compliance with relevant regulations.<br>• 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.<br>- Farmers can manage or revoke access to their data. |

- **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



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