

# Digital Agriculture Mission

## Transforming Indian Agriculture through Technology

The Government of India has launched the **Digital Agriculture Mission** on **2nd September 2024**, with an ambitious outlay of **₹2,817 crore**. This initiative aims to revolutionize Indian agriculture by fostering a robust digital ecosystem, delivering farmer-centric solutions, and ensuring timely, accurate crop-related information for all farmers across the country.

## Key Objectives of the Digital Agriculture Mission

### 1. Enable Digital Transformation:

- Build a comprehensive **digital agriculture ecosystem** to enhance agricultural productivity and decision-making.

### 2. Promote Innovation:

- Drive innovative, farmer-centric digital solutions tailored to the unique needs of Indian agriculture.

### 3. Empower Farmers with Data:

- Provide **timely and reliable crop-related information** to farmers, aiding better planning and management.

## Digital Public Infrastructure for Agriculture

The Mission envisions the development of critical infrastructure, including:

### 1. Agristack:

A flagship project comprising three foundational registries:

- **Farmers' Registry:** A database of farmers for personalized services.
- **Geo-referenced Village Maps:** Mapping villages to support precise interventions.
- **Crop Sown Registry:** Tracking crops sown across the country for informed policy decisions.

### 2. Krishi Decision Support System (Krishi DSS):

A platform for real-time agricultural data to guide farmers and policymakers.

### 3. **Comprehensive Soil Fertility & Profile Map:**

A detailed mapping initiative to provide location-specific soil health data.

### 4. **IT Initiatives by Central and State Governments:**

Integration of existing digital programs to streamline agricultural operations.

## **Progress Achieved as of December 2024**

- **Farmer IDs Created:** A total of **29,99,306 Farmer IDs** have been generated under the Mission.
- **Digital Crop Survey:** Successfully conducted in **436 districts** during Kharif 2024, offering critical insights into crop patterns and productivity.
- **Federated Structure:**
  - Agristack operates as a federated system, with data ownership resting solely with **State Governments** and **Union Territories**.
  - Designed with robust privacy measures adhering to the **Digital Personal Data Protection (DPDP) Act, 2023**.

## **Support for States and Union Territories**

The Central Government is committed to providing **administrative and technical support** to States and UTs for the successful implementation of the Digital Agriculture Mission. This ensures seamless integration of digital tools and efficient management of agricultural data.

## **Significance of the Digital Agriculture Mission**

### 1. **Enhanced Efficiency:**

Digital tools and data-driven decision-making optimize resource use and agricultural processes.

### 2. **Empowered Farmers:**

Farmers gain access to accurate, real-time information, enabling better crop management and higher yields.

### 3. **Data Privacy:**

With the federated model and adherence to the DPDP Act, farmers' data is secure, fostering trust in the system.

### 4. **Sustainable Agriculture:**

Insights from digital tools promote environmentally sustainable practices and resource conservation.

The **Digital Agriculture Mission** is a landmark initiative that aligns with India's vision

of transforming agriculture into a data-driven, technology-enabled sector. By empowering farmers and leveraging digital innovations, the Mission paves the way for a smarter, more resilient agricultural future.

[download](#)

[Facebook](#)

[Instagram](#)

[Youtube](#)