



## Cow-Based Natural Farming in UP | Uttar Pradesh | 31 Dec 2024

### Why in News?

Recently, the **Uttar Pradesh Chief Minister** stated that [cow-based natural farming](#) can boost **farmers' incomes** by saving Rs 10,000 to Rs 12,000 per acre.

- He highlighted the **substantial collective savings** possible if most farmers in the state adopt this practice.

### Key Points

- **Benefits of Cow-Based Farming:**
  - **Reduces agricultural costs** while [conserving cattle](#).
  - **Enhances soil, water, and human health** over the long term.
- **Current Dependency on Inputs:**
  - **Seeds:**
    - Uttar Pradesh produces only half of its seed requirement, importing the rest from other states, especially southern India, at high costs.
  - **Fertilisers:**
    - India relies heavily on imports for [fertilisers](#), particularly [urea](#), [phosphates](#), and [potash](#).
    - Urea imports alone cost Rs 2,127 crore in 2023–2024.
      - Exporting nations often **hike prices due to India's high demand**.
- **Potential of Cow-Based Natural Farming:**
  - Experts highlight its potential to save [foreign currency](#) spent on fertiliser imports.
  - **Uttar Pradesh** has 2.78 crore farmers and approximately 2 crore cattle, **providing a strong foundation** for cow-based farming.
    - A single cow's dung and urine can support farming on nearly four acres of land.
- **Government Initiatives:**
  - **Self-Sustaining Shelters:** [Cow shelters](#) are being developed as **training hubs** for cow-based natural farming.
  - **Dedicated Universities:** Plans to establish [natural farming universities](#) to integrate traditional methods with modern technology.
  - **Financial Assistance:** Farmers receive **financial support over three years**, Rs 4,800 in the first year, Rs 4,000 in the second, and Rs 3,600 in the third.
    - Grants are also available for cattle sheds and [biogas plants](#).
  - **Product Marketing:** Dedicated **outlets have been established** at divisional headquarters to **promote natural farming products**.
    - The government is prioritizing **product certification to enhance consumer trust and market credibility**.
- **Rising Demand for Organic Products:**
  - **Post-Covid**, there is **greater demand for [organic](#)**, regionally sourced products.
  - Research institutions highlight a growing preference for healthier food options with regional flavors.

### Natural Farming

- It is a method of agriculture that seeks to **create a balanced and self-sustaining ecosystem** in

- which crops can grow without the use of synthetic chemicals or genetically modified organisms.
- Instead of relying on artificial inputs like synthetic fertilisers and pesticides, natural farmers rely on techniques like **crop rotation**, **intercropping**, and **composting** to enhance soil health and support crop growth.
- Natural farming methods are **often based on traditional knowledge and practices and may be adapted to local conditions** and resources.
    - The goal of natural farming is to **produce healthy, nutritious food** in a way that is sustainable and environmentally friendly.
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## Drone Show in Mahakumbh 2025 | Uttar Pradesh | 31 Dec 2024

### Why in News?

The Uttar Pradesh government plans to organize a **drone show** during **the Mahakumbh 2025**, depicting **mythological tales** associated with the Mahakumbh and Prayagraj.

### Key Points

- **Highlights of the Drone Show:**
  - A fleet of 2,000 illuminated drones will narrate the **legendary tales of 'Prayag Mahatmyam' and the Mahakumbh**.
  - Iconic events like the **mythical Samudra Manthan (ocean churning)** and the **emergence of the Amrit Kalash (nectar pot)** will be visually recreated.
- **Objective:**
  - The show aims to **highlight the religious and spiritual significance of Prayagraj**, providing a unique experience for pilgrims and locals.
- **Preparations for Mahakumbh:**
  - The Mahakumbh, held every twelve years, is **scheduled from 13<sup>th</sup> January to 26<sup>th</sup> February 2025**.
  - The state government is **focusing on developing and beautifying temples, Ganga ghats, parks, roads, and flyovers** in Prayagraj.
  - The **Chief Minister has conducted multiple visits to Prayagraj** to oversee the progress of the preparations.

### Kumbh Mela

- It is the largest peaceful congregation of pilgrims on earth, during which participants bathe or take a dip in a sacred river. This gathering takes place at 4 different places, namely:
  - In **Haridwar**, on the banks of **the Ganges**.
  - In **Ujjain**, on the banks of **Shipra**.
  - In **Nashik**, on the banks of **Godavari (Dakshin Ganga)**.
  - In **Prayagraj**, at the confluence of the Ganges, the Yamuna, and the mythical invisible **Saraswati**.
- **Different Types of Kumbh:**
  - The **Kumbh Mela** is celebrated **4 times over a course of 12 years**.
  - At **Haridwar and Prayagraj**, **Ardh-Kumbh Mela** is held **every 6th year**.
  - The **Maha Kumbh Mela** is celebrated at Prayag after 144 years (after 12 'Purna Kumbh Melas').
  - **Maagh Kumbh** is celebrated **every year** in the month of **Maagh (Jan-Feb) in Prayagraj**.

