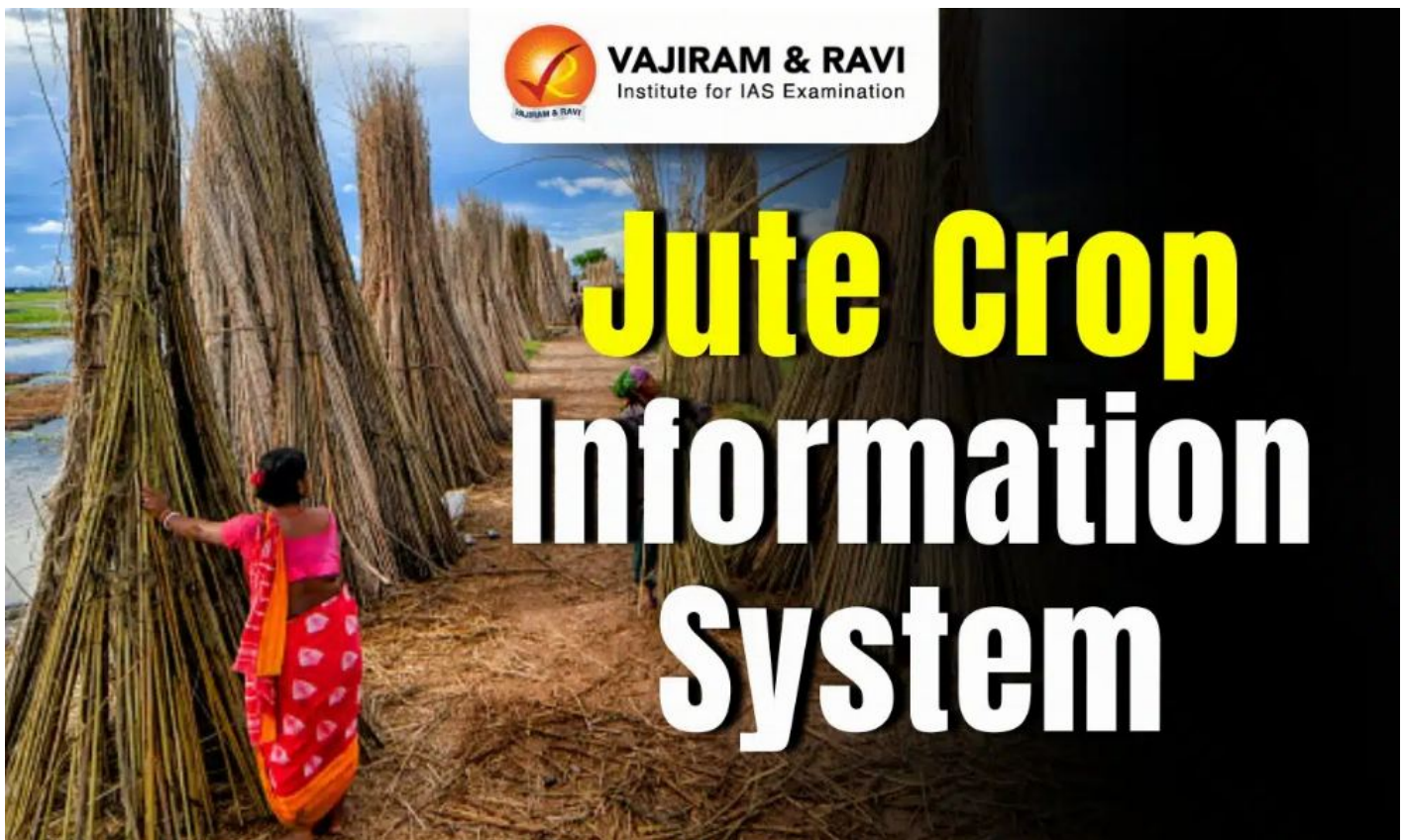


Jute Crop Information System

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Jute Crop Information System Latest News

Recently, the National Jute Board has stepped up implementation of the **Jute Crop** Information System (JCIS).

About Jute Crop Information System

- It is a **technology-driven platform** developed in collaboration with **Indian Space Research Organisation and the Jute Corporation of India**.
- It is being **implemented since 2023**.
- **Purpose:** To improve crop **monitoring and production assessment** in **the jute sector**.
- **Working**
 - It **integrates satellite imagery**, weather analytics, vegetation indices and field-level inputs to enable **near real-time monitoring of jute cultivation** and production trends.
 - It includes **two digital tools**
 - **BHUVAN JUMP:** It is a **mobile application** for field-level monitoring.

- **PATSAN:** It is a **web-based analytics platform** designed to provide surveillance and crop-related assessments for officials and stakeholders.
- This new system has introduced a **more structured and evidence-based approach** to crop monitoring by combining multiple data sources on a single platform.

Features of Jute Crop Information System

- The framework supports **automated reporting, near real-time crop estimation** and early warning alerts linked to weather and crop stress conditions.
- Through **its I-CARE field network**, the National Jute Board has facilitated large-scale collection of geo-tagged field data using the BHUVAN JUMP application.
- It has supported **Crop Cutting Experiments** using geospatial smart-sampling techniques aimed at improving the accuracy of yield estimation and production modelling.
- It has also been used to **develop flood impact assessment models** based on satellite data and field validation to estimate crop and quality losses in affected areas.
- **Weather analytics integrated** into the platform are supporting district-level early warning systems for rainfall variation, dry spells and temperature fluctuations.

Source: **PIB**

Source: <https://vajiramandravi.com/current-affairs/jute-crop-information-system/>

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