



Transforming Agriculture

# Grow Smarter, Harvest Better

AI-powered insights for healthier crops,  
higher yields, and sustainable farming  
practices.

[Start Your Journey](#)[Explore Tools](#)



# AgriConnect

Smart Farming Partner



## Crop Health Scanner

Upload plant images to detect diseases...



## Harvest Predictor

Forecast your crop yield with advanced...



## Farm Weather

Hyper-local weather forecasts tailored...



## Weed Spotter

Identify weeds in your fields and get ...



## Farming Assistant

24/7 AI expert for instant farming gu...



## Farmer Circle

Connect with fellow farmers and sha...

Ready to transform your farming?





**AgriConnect**  
Empowering Farmers



# Your Complete Farming Toolkit

**Everything you need to make informed decisions and optimize your farm's performance**





**AgriConnect**  
Empowering Farmers



## Empowering Farmers with **AgriConnect**

AgriConnect brings cutting-edge AI and real-time insights to your fingertips — helping you make smarter decisions, increase yield, and connect with the farming community like never before.



### Smart Crop Monitoring

AI-powered disease detection and growth tracking using images and weather data.



### Real-Time Weather Forecast

Localized weather updates to help you plan irrigation and protect your crops.



### Yield Prediction

Predict crop yield with high accuracy using advanced LSTM and Transformer models.





**AgriConnect**  
Empowering Farmers



## Educational Demonstration

This platform showcases how modern technology can transform traditional farming practices.

Created to demonstrate the potential of AI and data analytics in agriculture.

For Educational Purposes Only

 **AgriConnect**

Connecting farmers with markets,





## Welcome back, Bhisham Gahlaut!

Monday, October 13, 2025

Currently viewing: SampleFarm

*"Empowering you with smart insights for better farm decisions."*

28.73°C

Clear Sky

Humidity: 52% Wind: 0.5 km/h



More Info

Select Farm

SampleFarm



SampleFarm

Active





## SampleFarm

Active

28.87000, 78.90000

Farm Area: 2.15 hectares

Nearby Farms: 2 within 4 km



### Disease Risk Around Your Farm

#### Healthy

Detected 0.00 km from your farm

Last seen: 2d

Confidence: 91%

#### Aphids

Detected 0.00 km from your farm

Last seen: 2d

Confidence: 99%

#### Aphids

Detected 0.00 km from your farm

Last seen: 2d





## Disease Analytics Summary

This data includes all farms within 4 km of your location.

Total Images

**557**

Diseased

**488 (88%)**

Max Risk %

**90.5%**

### Most Common Diseases (i)

Early blight: 130      Bacterial\_spot: 123

Tomato\_Yellow\_Leaf\_Curl\_Virus: 49

Haunglongbing\_(Citrus\_greening): 48

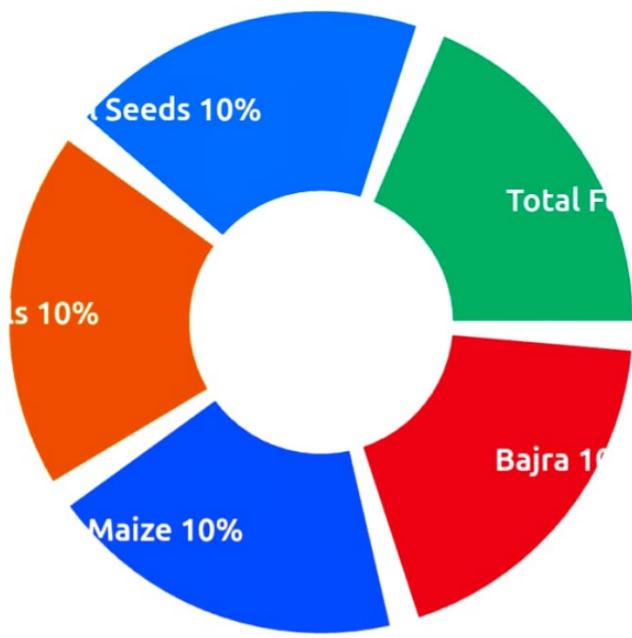
Northern\_Leaf\_Blight: 41

## Hourly Temperature &



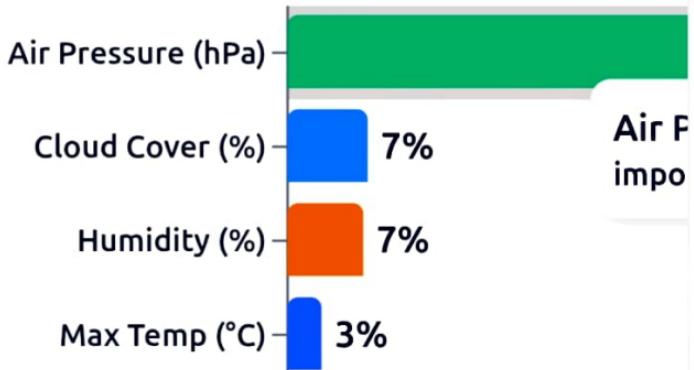


## Top Crop Recommendations



- Bajra   ● Maize
- Nutri/Coarse Cereals
- Total Food Grains
- Total Oil Seeds

## Weather Factor Influence (0-100%)





More Info

Tip: Click on any marker or colored area to see detailed information. Use the buttons above to filter what's shown on the map.





More Info

## Notifications 5 [Mark all as read](#)



10-Day Risk Summary:

16:54



RiceFarm

1. 2025-10-23: 90.50% risk, Radius: 0.29 km
2. 2025-10-22: 83.52% risk, Radius: 0.27 km
3. 2025-10-21: 82.65% risk, Radius: 0.26 km

RiceFarm



10-Day Risk Summary:

16:54



BajraFarm

1. 2025-10-15: 90.50% risk, Radius: 0.23 km
2. 2025-10-16: 86.10% risk, Radius: 0.23 km
3. 2025-10-23: 70.96% risk, Radius: 0.30 km

BajraFarm



10-Day Risk Summary:

16:54



SampleFarm

1. 2025-10-14: 90.50% risk, Radius: -0.15 km
2. 2025-10-15: 83.36% risk, Radius: -0.23 km
3. 2025-10-16:





## Disease Alerts & Forecast

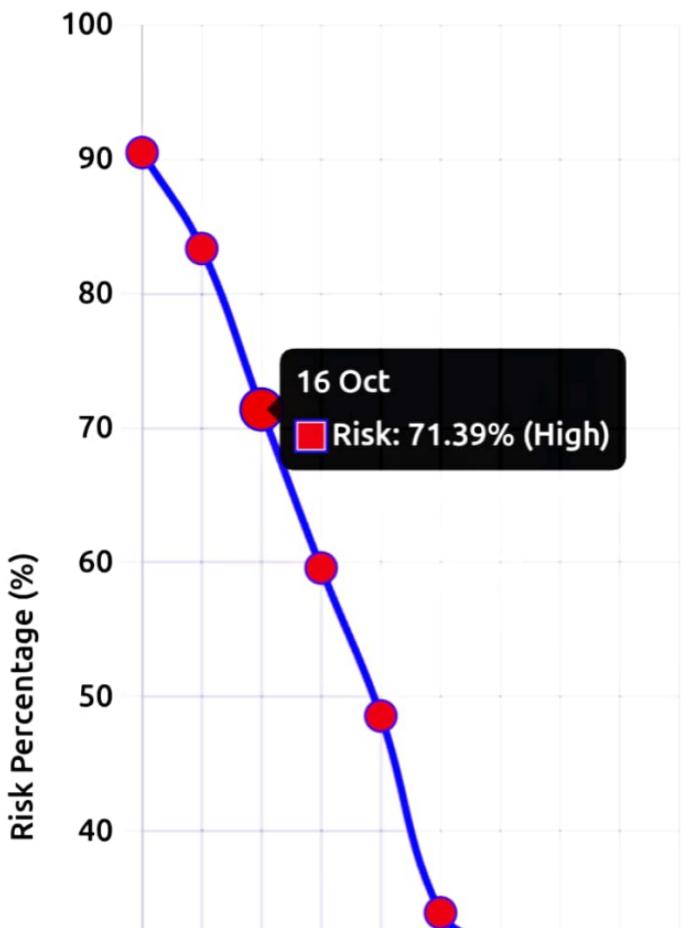


Risk assessment for your farm location and nearby disease outbreaks

### 10-Day Disease Forecast



Based on analysis of weather patterns, historical outbreak data, and reports from 5 nearby farms, this forecast predicts disease risk levels and potential spread radius for your location.





18 Oct

**48.58%**

-0.4 km

19 Oct

**33.93%**

-0.5 km

20 Oct

**30.75%**

-0.5 km

21 Oct

Thursday 23 October, 2025

Risk Level: High

Spread Radius: -0.5 km

22 Oct

**15.15%**

-0.5 km

23 Oct

**9.50%**

-0.5 km

## Nearby Disease Threats



The following diseases have been reported in farms within a **0.0 km radius** of your location. These nearby outbreaks may affect your farm's risk level.

**Aphids****High Risk**

⌚ ~0.0 km away • 3 reports 99% confidence

**Healthy****High Risk**

⌚ ~0.0 km away • 2 reports 91% confidence





## Crop Analytics



### Disease Analytics Summary

This data includes all farms within 4 km of your location.



Total Images

**557**



Diseased

**488 (88%)**



Max Risk %

**90.5%**



Most Common Diseases ⓘ

Early blight: 130

Bacterial\_spot: 123

Tomato\_Yellow\_Leaf\_Curl\_Virus: 49

Haunglongbing\_(Citrus\_greening): 48

Northern\_Leaf\_Blight: 41





## My Farms

Manage your agricultural properties and view their status

Add New Farm

### SampleFarm ID

Inactive

Created: Invalid Date

#### Location Coordinates

28.870000, 78.900000

Area: 2.1471 km<sup>2</sup>

#### Disease Reports

5 active risks

Healthy Aphids Aphids

+2 more



#### Nearby Farms

2 within 5km radius

- BhishamFarm4 (2.50km)
- New Farm2 (1.67km)



#### Disease Forecast

% risk • Next 10 days

→ View Dashboard

Details ...



# ☆ AgriConnect Pro X



Dashboard

Farm Maps

Notifications 6

Disease Alerts

Reports

Past Analyses

Crop Analytics

My Farms

Profile

Settings



Bhisham Gahlaut  
Verified Farmer

Sign Out

Active





# AgriConnect

Empowering Farmers



## General Model

Detects diseases across multiple crops quickly and accurately.



## Cotton Model

Specialized model for cotton crop diseases and management.



# Crop Disease Detection

Upload images of your crops to detect potential diseases





## Select Your Crop Type



### General Model

Works for all common crops



### Potato Model

Specialized for potato diseases



### Cotton Model

Specialized for cotton diseases





## Upload Images



Drag & drop images here

or

Supports JPG, PNG, WEBP (max 10 images, 8MB each)

Browse Files

Selected Images (5/10)

Clear All



1000050396.jpg  
0.02 MB



1000050395.jpg  
0.02 MB





Total Images Analyzed

5

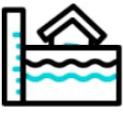
Diseased Images Found

4

Disease Rate

80.0%

# किसान सहायक - Kisan Sahayak



AI-पावर्ड फसल रोग विश्लेषण • तत्काल  
रिपोर्ट्स • मुफ्त सलाह

AI-Powered Crop Disease Analysis • Live  
Video Support • Instant Reports • Free  
Advisory





## આવાજ સહાયક - Voice Assistant

સુનિએ રિપોર્ટ: હિંદી યા અંગ્રેજી મેં વિસ્તૃત વિશ્લેષણ સુનેં। બડી ઔર સ્પષ્ટ આવાજ મેં।

Listen to Report: Hear detailed analysis in Hindi or English. Loud and clear voice.

હિંદી (Hindi)



5

કુલ તસ્વીરે  
Total Images

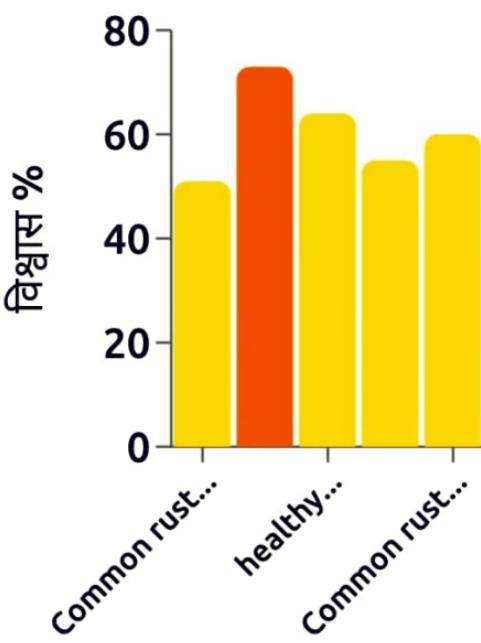
1

ઉચ્ચ જોखિમ  
High Risk Cases





## रोग जोखिम विश्लेषण / Disease Risk Analysis



## जोखिम वितरण / Risk Distribution

%)





# AgriConnect

Empowering Farmers



■ उच्च जोखिम ■ मध्यम जोखिम



रिपोर्ट डाउनलोड करें /  
Download Report



प्रिंट करें / Print Summary



नया विश्लेषण / New  
Analysis



यह रिपोर्ट AI तकनीक से तैयार की गई है। किसी विशेषज्ञ से सलाह लेना उचित रहेगा।  
This report is generated using AI technology. Consulting an expert is recommended.





**AgriConnect**  
Empowering Farmers



# Welcome to **AgriConnect** **Weather**

Helping farmers make smarter field decisions with accurate, real-time weather insights.



*"A farmer's best friend under the sun, rain, and clouds — always with you in every season."*



Enter your village, city, or lo





# AgriConnect

Empowering Farmers



Temperature Alerts



Rain Forecast



Wind & Soil Insights



Jhajjar  
Clear Sky

29°C



Feels Like

28°C



Humidity

33%



Wind Speed

1.75 m/s



Pressure

1010 hPa

**Tip:** Keep an eye on humidity before spraying crops. Ideal time is early morning or late evening for best results.





## आज का मौसम सारांश

नमस्कार किसान मित्र! आपका स्वागत है एग्रीकनेक्ट मौसम सेवा में।

Jhajjar के लिए मौसम की जानकारी:

वर्तमान तापमान 29 डिग्री सेल्सियस है।

आर्द्रता लगभग 33 प्रतिशत है और हवा की गति 1.75 मीटर प्रति सेकंड है।

आज का मौसम clear sky रहने की संभावना है।

कृपया खेत में काम करते समय सावधानी रखें, सिंचाई या छिड़काव की योजना सुबह या शाम के समय बनाएं।

एग्रीकनेक्ट आपकी खेती में हर मौसम में मददगार रहेगा।



Play



Stop

## अगले कुछ घंटों का पूर्वानुमान

अगले 5 घंटे में मौसम: समय 10:00 pm पर तापमान 22 डिग्री सेल्सियस रहने की संभावना है। वर्षा 0 मिलीमीटर, हवा की गति 2.6 मीटर प्रति सेकंड, और बादल 0 प्रतिशत छाए रहेंगे। मौसम की स्थिति: Clear sky।



Play



Stop





## अगले 12 घंटे का पूर्वानुमान

6:00 pm



25°C

Mainly Clear

Rain: 0 mm

Wind: 6.3 m/s

रात में फसलों को ठंडी हवा का असर हो सकता है.



24°C

Mainly Clear

Rain: 0 mm

Wind: 6.5 m/s

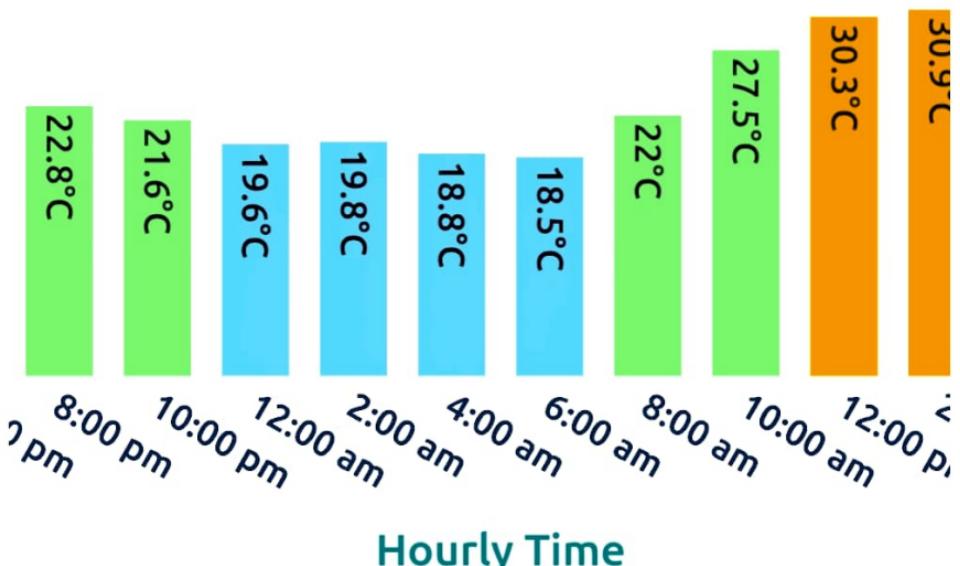
रात में फसलों को ठंडी हवा का असर हो सकता है.





## Hourly Weather Data Overview

### Hourly Temperature Overview



### Hourly Cloud Cover Overview

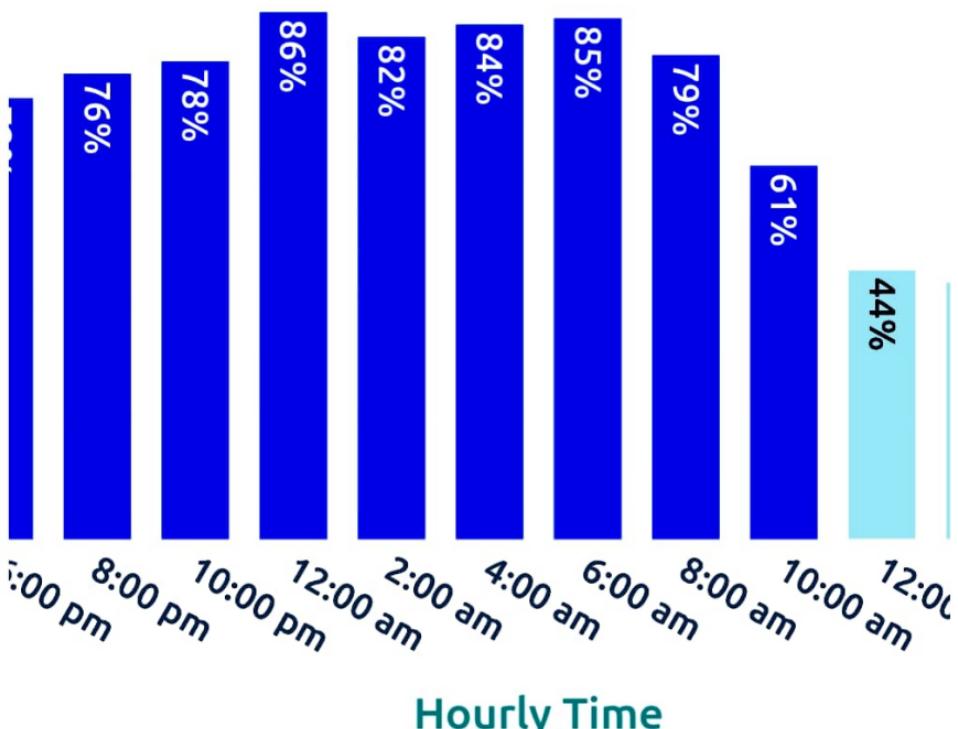


### Hourly Rain Chance Overview





## Hourly Humidity Overview



Hourly Time

## Hourly Soil Moisture Overview



Hourly Time





## 7 दिन का पूर्वानुमान

Mon

Oct 13



31°C / 18°C

Mainly Clear



Rain: 0 mm



Wind: 0 m/s

आज का मौसम खेती के लिए अच्छा है ☀️

Oct 14



31°C / 18°C

Mainly Clear

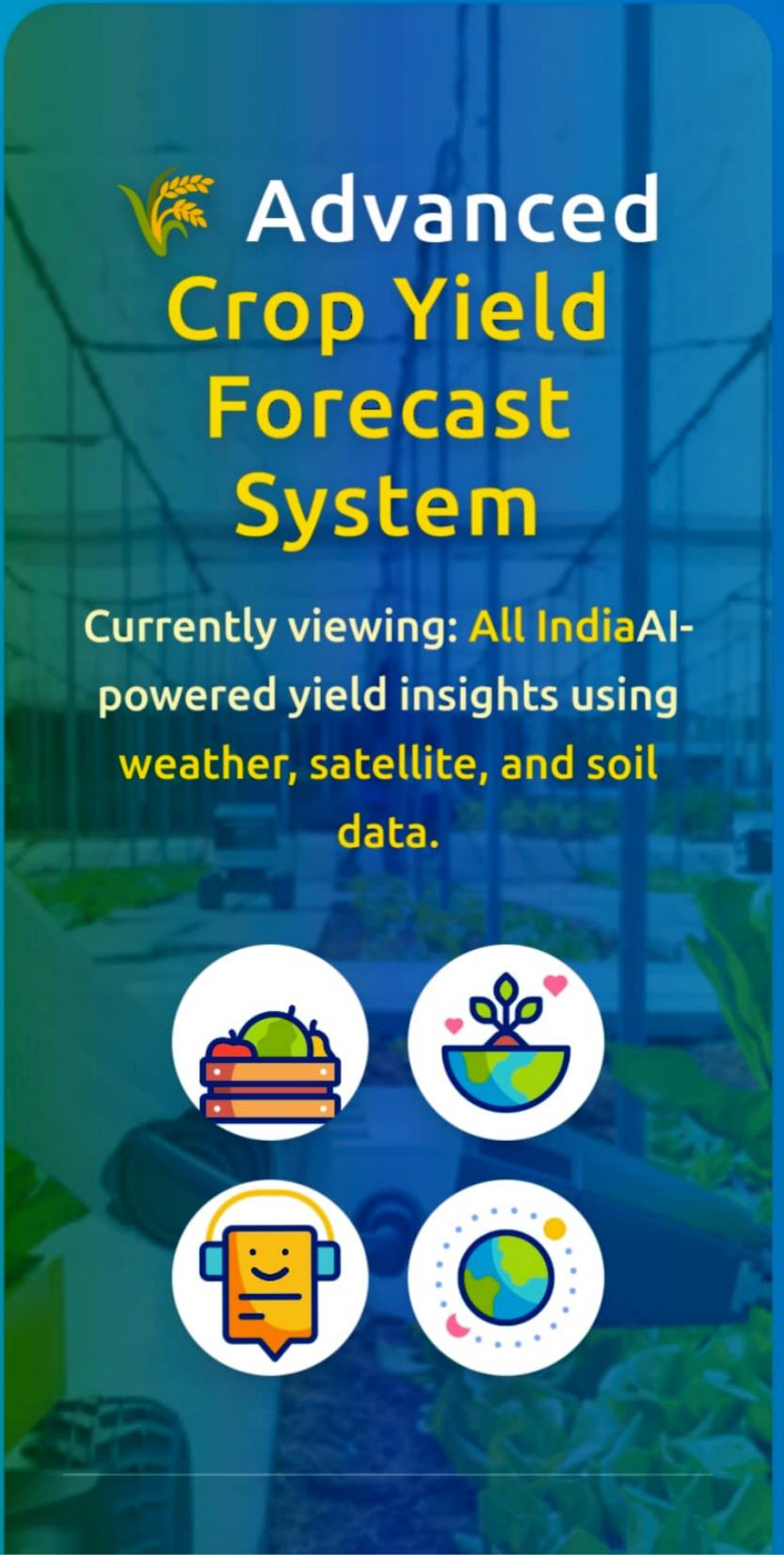


Rain: 0 mm





## PRAWAH



# Advanced Crop Yield Forecast System

Currently viewing: All India AI-powered yield insights using weather, satellite, and soil data.





## India Agricultural Yield Map

Bajra

12 States Mapped



### Yield Scale (Kg/Hectare)

- < 10 - Very Low
- 10-20 - Low
- 20-30 - Medium
- 30-40 - High
- 40-50 - Very High
- 50+ - Excellent





## PRAWAH



# Detailed Crop Forecasts

## Kharif Crops Forecast



Predicted Yield (2025-26)

**1385.46 Kg**



Predi

**24**

Last Year (2024): 1441.00

↓ 55.54

Last '

## Rabi Crops Forecast



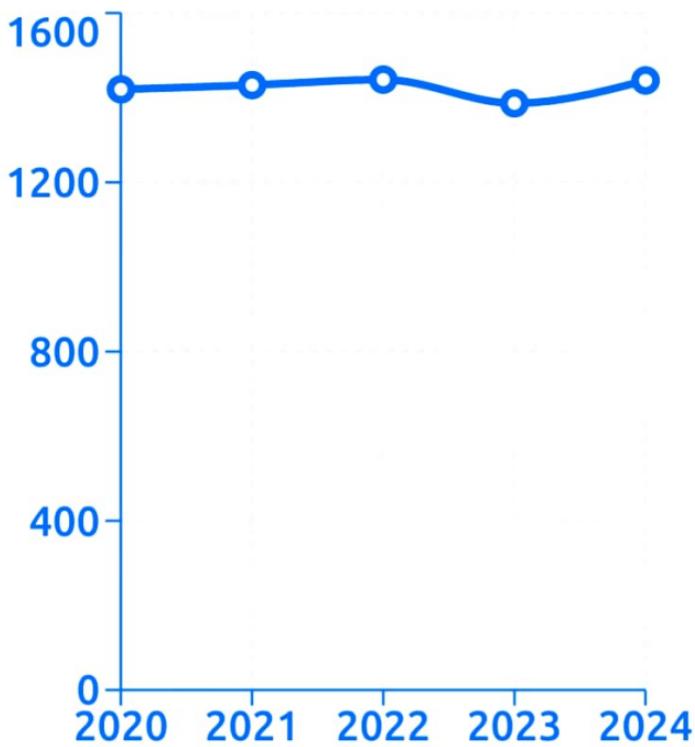


## Bajra Yield Analysis

All India • 2020 - 2024 Analysis

X

### Yield Trend (Last 5 Years)



### Key Statistics

Average Yield

**1424.20**

Kg/Hectare

Average Yield

**14.24**

Quintals/Hectare

Average Yield

**5.76**

Quintals/Acre





## PRAWAH



### Cereals Crops Forecast



Predicted Yield (2025-26)

**2839.84 Kg**



Pre

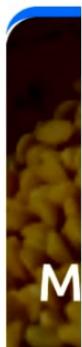
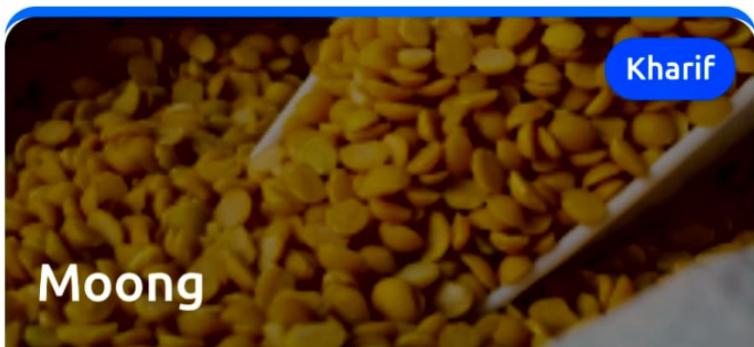
**2**

Last Year (2024): 3049.00

↓ 209.16

Las

### Pulses Crops Forecast



Predicted Yield (2025-26)

**360.28 Kg**



Pr

**7**





## PRAWAH



# Advanced Market Price Analysis

State

Uttar Pradesh



Market

Baghpat



Commodity

Wheat



Time Range

Last 10 Days

Last Month

Last 3 Months

Last Year

Last 2 Years

Custom Range

Analyze Prices

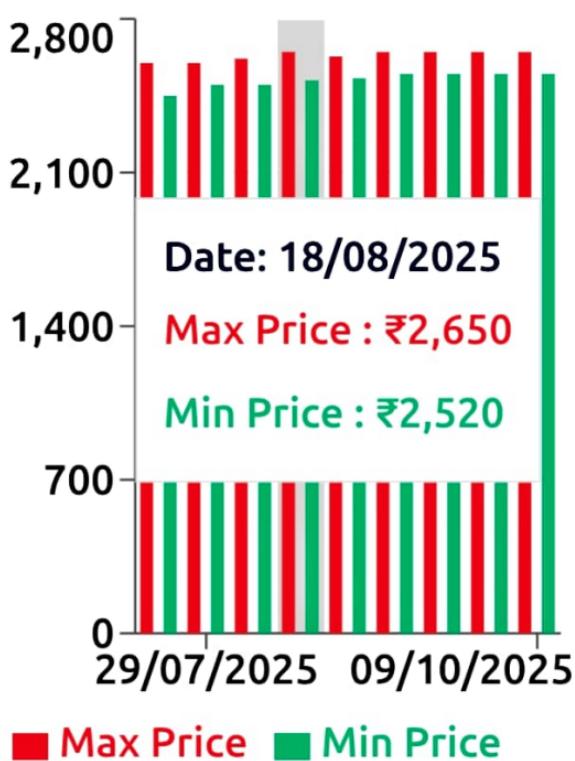
Current Price

₹2,550





### Price Distribution



### Commodity Price Data

Market	Commodity	Min Price
Baraut	Wheat	₹2,450
Baraut	Wheat	₹2,500





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**PRAWAH**



**AgriConnect Pro**  
AI Powered Analytics



Yield Forecast



**Price Statistics**



**Yield Map**



**Data Sources**



**Quick Actions**



**Export Report**



**Set Alerts**



**Compare Regions**





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# AgriWeed AI - Powered by AGRIConnect

AI-powered weed detection for  
**cotton crops.** Supports image upload,  
video analysis, and live field  
monitoring.





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# 🌱 AgriWeed AI - Powered by AGRIConnect

AI-powered weed detection for  
**cotton crops**. Supports image upload,  
video analysis, and live field  
monitoring.



Image Analysis



Video Analysis



Live Field Monitoring



AI Prediction

**120+**

FIELDS MONITORED

**30+**

WEEDS DETECTED





## Upload Image

Upload an image for weed detection analysis

[Choose file](#)

No file chosen



## Upload Video

Upload a video for real-time weed detection

[Choose file](#)

No file chosen

Ready

Reset





## Soil

0

Confidence: 0.00



## Weed

20

Confidence: 45.82 %



## Cotton

6

Confidence: 93.41 %



## Density

76.9%

Weed density in field





# AgriConnect

Empowering Farmers



## Cotton

# 6

Confidence: 93.41 %



## Density

# 76.9%

Weed density in field

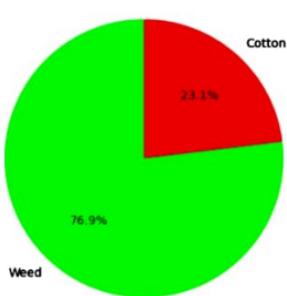


## Analysis Graphs

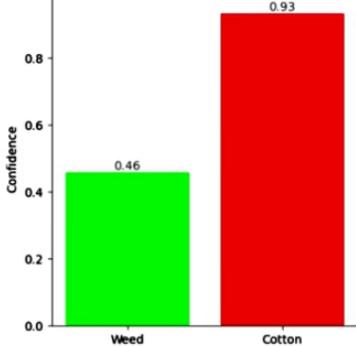


## Download Report

Class Distribution



Average Confidence by Class

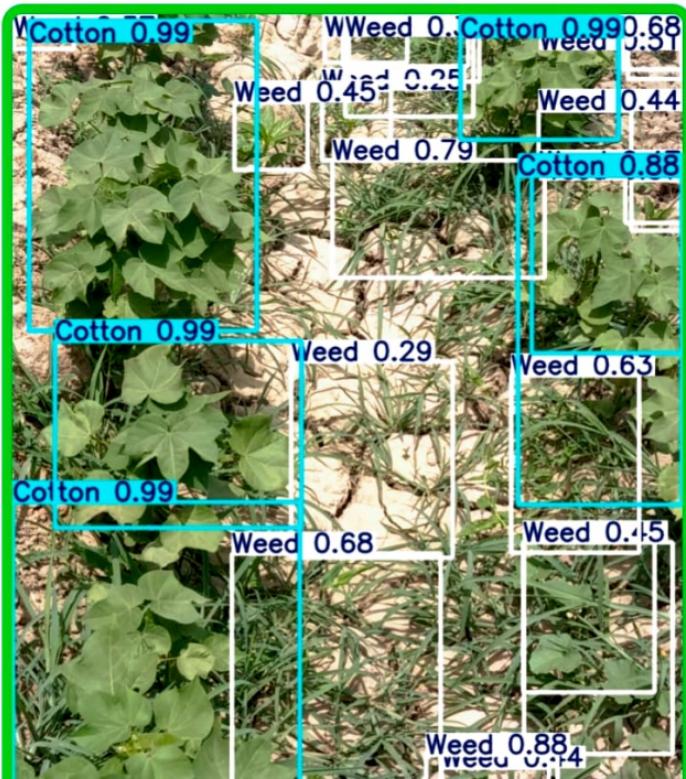




## Original Image



## Detection Result





## Detection Summary

A quick overview of your farm detections. Keep an eye on weed spread and cotton growth.

20  
Weeds

6  
Cotton

0  
Soil

Total Detections: 26

Analysis Complete

Reset



# Welcome to AgriConnect

Your intelligent farming companion. Get expert agricultural advice, weather updates, disease solutions, and market insights - all in one place.

Start Chatting →

Admin Panel

50K+

Farmers Helped

100+

Crop Varieties

24/7

95%





**AgriConnect**  
Empowering Farmers



## 24/7 Support

Round-the-clock assistance for all your  
farming needs

## Ready to Transform Your Farming?

Join thousands of farmers who  
are already using AgriConnect  
to make better decisions and  
grow smarter.



Get Started Now →





## AgriConnect Admin Panel



Manage data  
scraping, knowledge  
base, and system  
monitoring

Refresh All



Data  
Scraping



PDF  
Upload



System  
Health



Quick  
Actions

Refresh All

Scrape All  
Data

0

Active Data Sources

Running

Scraping Service

4

Scheduled Tasks

17:21:19

Last Checked



Weather Data





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▷ Scrape Now



## Agricultural News

Update: 24 hours



Latest farming news and updates

▷ Scrape Now



## IMD Bulletins

Update: 24 hours



Official agricultural advisories



## Crop Diseases

Update: 7 days



Disease information and treatments

▷ Scrape Now





## General Agriculture

General farming knowledge and practices

Upload & Index PDF

## Uploaded PDF Files

Refresh

20251005\_134... general



4.91  
MB

Uploaded  
• 05/10/2025,  
13:45:54



20251005\_132... general



503.3  
KB

Uploaded  
• 05/10/2025,  
13:22:54



20251005\_13... bulletins



645.06  
KB

Uploaded  
• 05/10/2025,  
13:09:49



20251004\_211... general



398.25

Uploaded  
• 04/10/2025





5

Index Types

## General Agriculture



## Crop Diseases



## Weather Data



## Agricultural News



## Bulletins



Upload & Index PDF

## Uploaded PDF Files

Refresh

20251005\_134... general



.....





# AgriConnect

Empowering Farmers

Data  
Scraping

PDF  
Upload

System  
Health



**System Status**  
**healthy**



**Indexes Ready**  
**5 / 5**



**Scraping Service**  
**Running**



**API Status**  
**Operational**

## Pinecone Index Status



Weather



News





## Pinecone Index Status



**Weather**  
Online



**News**  
Online



**Diseases**  
Online



**Bulletins**  
Online



**General**  
Online

## Recent Activity

System startup	2 minutes ago
Weather data updated	5 minutes ago
News scraping completed	1 hour ago





Data Scraping

PDF Upload

System Health



**1250**

Total Queries

**47**

Active Users

**389**

Documents Indexed

**99.8%**

System Uptime

## Query Distribution

Weather Queries	<div style="width: 15%; background-color: #2e7131; height: 10px;"></div>	15%
Disease Questions	<div style="width: 30%; background-color: #2e7131; height: 10px;"></div>	30%
News Updates	<div style="width: 45%; background-color: #2e7131; height: 10px;"></div>	45%
General Farming	<div style="width: 60%; background-color: #2e7131; height: 10px;"></div>	60%
Bulletin Info	<div style="width: 75%; background-color: #2e7131; height: 10px;"></div>	75%

## Response Times





**AgriConnect**  
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# Agribot - by **AGRIConnect**

Write/Speak Your Queries - Get Instant AI  
Help on Crops, Weather, Fertilizers



# Agribot - Powered by AGRIConnect

AI-powered Agri-Chatbot for farmers  
— get quick help on crops, weather,  
and fertilizers.



Query Analysis



Crop Analysis





## कृषि सहायक | AgriConnect

Multi-Language Agricultural  
Assistant



English



AgriConnect! I'm your  
agricultural assistant.  
How can I help with your  
farming questions today?

Try asking in English:

What is late blight of potato?

Current weather for farming?

Wheat rust treatment options

Rice cultivation best practices

Organic farming techniques



Ask anything about agriculture in  
English...

English

Send





# AgriConnect

Empowering Farmers



## कृषि सहायक | AgriConnect

Multi-Language Agricultural  
Assistant



English



Current weather for  
farming?



I understand your query  
about agriculture. For  
"Current weather for  
farming?", here's my  
advice: Focus on proper  
irrigation and organic  
fertilizers for better  
yield.



☀ Weather Information •

🌾 Farming Insights



Ask anything about agriculture in  
English...

English





## कृषि सहायक | AgriConnect

Multi-Language Agricultural  
Assistant



English



### Current Weather

#### Conditions:

- 

#### Uttar Pradesh:

- Temperature: 27.15°C
- Humidity: 68.85%
- Timestamp: October 5, 2025, 07:27 AM

- 

#### Haryana:

- Temperature: 24.35°C
- Humidity: 76.61%
- Timestamp: October 5, 2025, 06:49 AM



Ask anything about agriculture in English...

English





# AgriConnect

Empowering Farmers



## कृषि सहायक | AgriConnect

Multi-Language Agricultural  
Assistant



English



English

English



हिन्दी

Hindi



తెలుగు

Telugu



தமிழ்

Tamil



I understand your query  
about agriculture. For  
"Current weather for  
farming?", here's my  
advice: Focus on proper  
irrigation and organic



Ask anything about agriculture in  
English...

English





## रिपोर्ट सारांश / Report

### Summary

फसल / Crop

Cotton

रोग / Disease

Aphids

विश्वास / Confidence

100%

गंभीरता स्तर / Severity Level

गंभीर

तुरंत कार्रवाई आवश्यक



अधिक जानकारी चाहिए?

Need More Details?

हमारे कृषि विशेषज्ञों से सीधे बात करें और  
व्यक्तिगत सलाह पाएं

Talk directly to our agricultural  
experts and get personalized  
advice

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## ⚠️ लक्षण / Symptoms



- Aphid populations thrive under specific conditions:
- Warm Temperatures:
- Aphids reproduce more rapidly in warm weather (ideally between 65°F and 85°F or 18°C and 29°C).
- High Humidity:
- Moderate to high humidity is favorable for aphid survival and reproduction.
- Succulent Growth:
- Rapidly growing cotton plants, particularly those with high nitrogen levels, are more attractive and nutritious to aphids.
- Dense Plant Canopies:





## ○ उपचार / Treatment



- **Flonicamid:** Refer to product label for specific application rates. (Systemic insecticide with translaminar activity. Relatively safe for beneficial insects when used according to label instructions. Effective on piercing-sucking insects like aphids.)
- **Spirotetramat:** Refer to product label for specific application rates. (Systemic insecticide with two-way systemic action (xylem and phloem). Effective on sucking pests, including aphids. Allow sufficient time for uptake and translocation by the





## संबंधित चित्र / Related Images



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# Grow Smarter, Harvest Better

AI-powered insights for healthier crops,  
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## Farm Weather

Hyper-local weather forecasts tailored for farming activities

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## Weed Spotter

Identify weeds in your fields and get removal





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किसानों को सशक्त बनाना

# स्मार्ट कृषि पद्धतियाँ

1

## स्मार्ट मॉनिटरिंग

नियमित फसल स्वास्थ्य जांच से बड़े नुकसान से बचा  
जा सकता है

2

## मौसम योजना

सटीक मौसम पूर्वानुमान के आधार पर गतिविधियों की  
योजना बनाएं

3

## सामुदायिक ज्ञान

अपने क्षेत्र के अनुभवी किसानों से सीखें





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## Educational Demonstration

This platform showcases how modern technology can transform traditional farming practices.

Created to demonstrate the potential of AI and data analytics in agriculture.

For Educational Purposes Only

 AgriConnect

Connecting farmers with markets, resources, and communities to grow together.

