Predictive PestGuard

Predictive Pest Guard: AI-powered pest monitoring, real-time weather insights, and smart predictions to ensure crop protection and sustainable agriculture.

Sign In   Learn More

Pest Tracking

Monitor and track agricultural pests including insects, diseases, weeds, and nematodes.

Data Reporting

Submit and share field observations and pest activity data with the community.

Visualization

View interactive maps and visualizations of pest distribution and activity.

Forecasting

Access forecast models and predictions for pest outbreaks and population trends.

Mission

Our mission is to empower farmers, researchers, and agribusinesses with AI-driven pest predictions, reducing crop damage, optimizing pesticide use, and promoting sustainable agriculture.

Audience

Our audience includes farmers needing real-time pest alerts, researchers analyzing outbreak trends, government

Products

An AI-powered system that uses machine learning and real-time weather data to predict pest outbreaks and prevent infestations.

Pest Outbreak Dashboard

Temperature 🌡	Humidity 💧	Wind Speed ≋	Precipitation ☁
29.2°C	**58%**	**2.5 m/s**	**0 mm**

Select location ⌄   Select date range ⌄   Select pest type ⌄

Search Outbreaks

Search by outbreak type, severity, or region...

Search for: outbreak types (e.g., "Aphids", "Locusts"), severity levels (e.g., "High", "Medium"), or regions (e.g., "North", "South")

Farm Area (acres)

1

Pest Prediction Analysis

Historical and Predicted Trends

Historical — Predicted

ⓘ Pest Risk Assessment

50

Medium Risk

Confidence

85%

Risk Level

Recommendations

✓ Monitor activity closely

✓ Prepare control measures

Search and Filter

Find specific pest information by country, severity level, or keyword search

🔍 Search by pest name, crop, or region...   All Countries ⌄   All Severity Levels ⌄

Pest Data Table

Showing 5 of 13 entries

Country	State/Province	Pest Name	Affected Crops	Occurrence Period	Severity	View Details
India	Maharashtra	Pink Bollworm *Pectinophora gossypiella*	Cotton	June to October	High	View More Details
India	Uttar Pradesh	Brown Planthopper *Nilaparvata lugens*	Rice	July to September	High	View More Details
India	Punjab	Wheat Aphid *Sitobion avenae*	Wheat	February to April	Moderate	View More Details
India	Haryana	Maize Stem Borer *Chilo partellus*	Maize	June to August	High	View More Details
India	West Bengal	Rice Leaf Folder *Cnaphalocrocis medinalis*	Rice	July to September	Moderate	View More Details

‹ Previous   **1**   2   3   Next ›

Pest Visualization Dashboard

Interactive visualizations showing pest outbreaks and trends across different countries and regions.
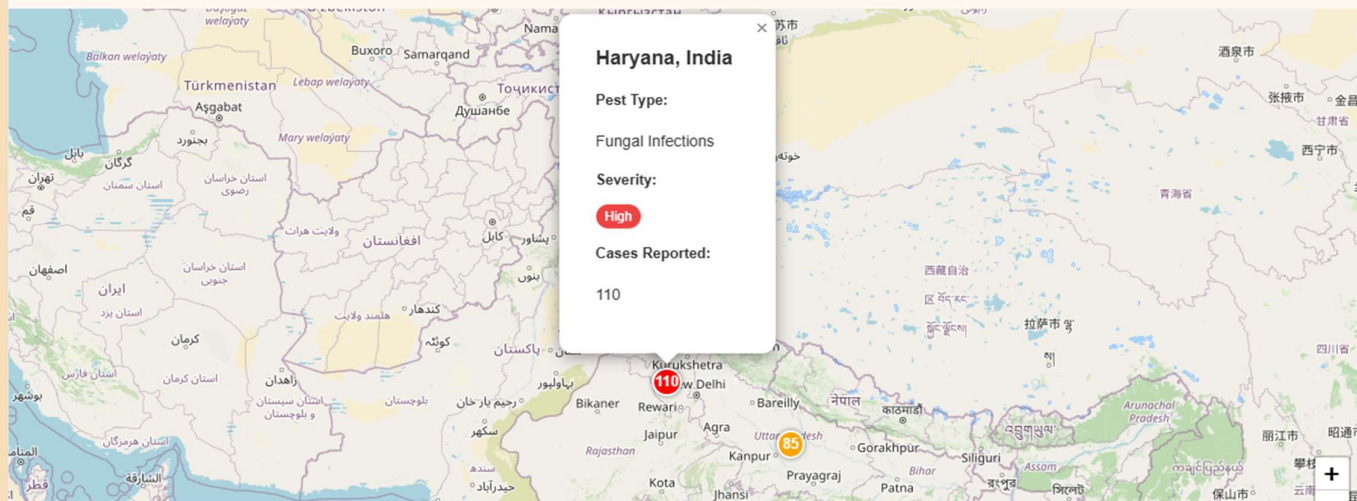
Filters

All Countries ⌄	All Pest Types ⌄	All Severities ⌄

Regional Distribution Map

Haryana, India

Pest Type:

Fungal Infections

Severity:

High

Cases Reported:

110

Pest Detection System

Upload an image or use your camera to identify agricultural pests

Upload Image   Use Camera

Detection Results

Citrus Canker   56.06%

Bacterial disease affecting citrus trees.

Treatment:
- Copper fungicides
- Pruning infected parts
- Proper disposal

Corn Borers   11.52%

Moths whose larvae tunnel into corn stalks.

Treatment:
- Bt corn varieties
- Timing of planting
- Chemical controls

Western Corn Rootworms   7.49%

Beetles whose larvae damage corn roots.

Treatment:
- Crop rotation
- Soil insecticides
- Resistant varieties

Generate Report