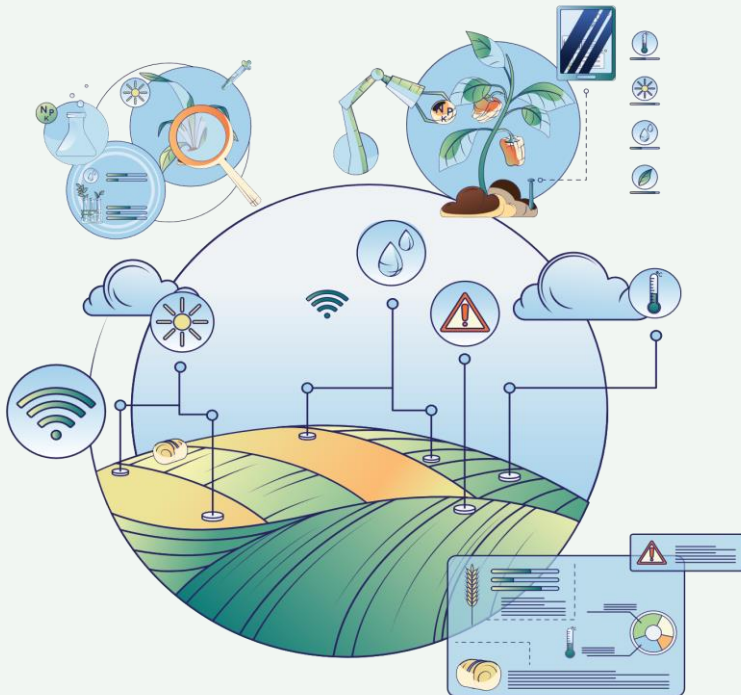




## Smart Protection for Healthier Crops

An AI-powered solution that detects pests and diseases early, provides targeted control strategies, and optimizes crop health using real-time monitoring, predictive analytics, and sustainable farming practices.

### Detect Early, Protect Smart, Grow Sustainably



### Biotic Engine

Biotic Engine Pilot is an AI-powered solution designed to monitor and manage biotic factors such as pests, diseases, and beneficial organisms in agricultural fields. By leveraging advanced machine learning, real-time data collection, and predictive analytics, this tool helps farmers identify potential threats early and take proactive measures. It integrates satellite imagery, IoT sensors, and drone surveillance to provide a comprehensive view of crop health.

# Key Benefits

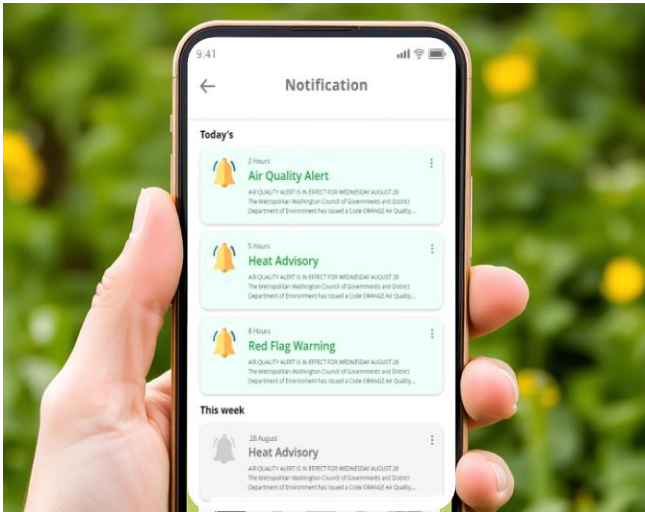


## Early Pest & Disease Detection:

AI-powered image recognition and real-time monitoring for early identification.

## Targeted Pest Control:

Reduces chemical overuse by providing precise treatment recommendations.



**Real-Time Alerts:** Farmers receive instant notifications about potential outbreaks.





**Integrated Monitoring:** Uses drone imagery, IoT sensors, and field data for accurate insights.

**Cost & Resource Optimization:** Prevents excessive pesticide use, saving money and protecting the environment.



**Improved Crop Health:** Enhances productivity by reducing damage caused by biotic stress.

