What is it?

Field-level disease predictive analytics uses machine learning and data science to forecast potential crop diseases.

- Analyzes crop growth stage, hybrid data, local weather patterns, and other risk factor data to offer early warnings of disease risks at critical times during the season.
- Allows you to take preventative action, such as fungicide applications, before diseases can significantly affect crop health and yield.

The Predictive Disease Model forecasts:

Corn
- Northern corn leaf blight
- Gray leaf spot
- Tar spot

Soybeans
- Frogeye leaf spot
- Target spot
- Septoria brown spot

Guiding Data-Driven Management Decisions

Monitors environmental factors such as temperature, humidity, precipitation, and soil health to stay ahead of potential disease pressure. The model also includes a 5-day disease forecast, which can help inform the decision to apply a fungicide. It then delivers real-time alerts, enabling you to prioritize what needs attention so you can make timely, data-driven management decisions.

Steps to Value

Sign up for the disease risk module via your territory manager.

- Submit the required information to run the model.
- Get live disease risk updates to protect yield from potential threats. Once activated, fields will display the disease risk level from "low risk" to "high risk":

🟢 Low   🟡 Medium   🔴 High

- Provide fungicide application details to mark fields as "protected" from disease risk. It will display as:

🟣 Protected
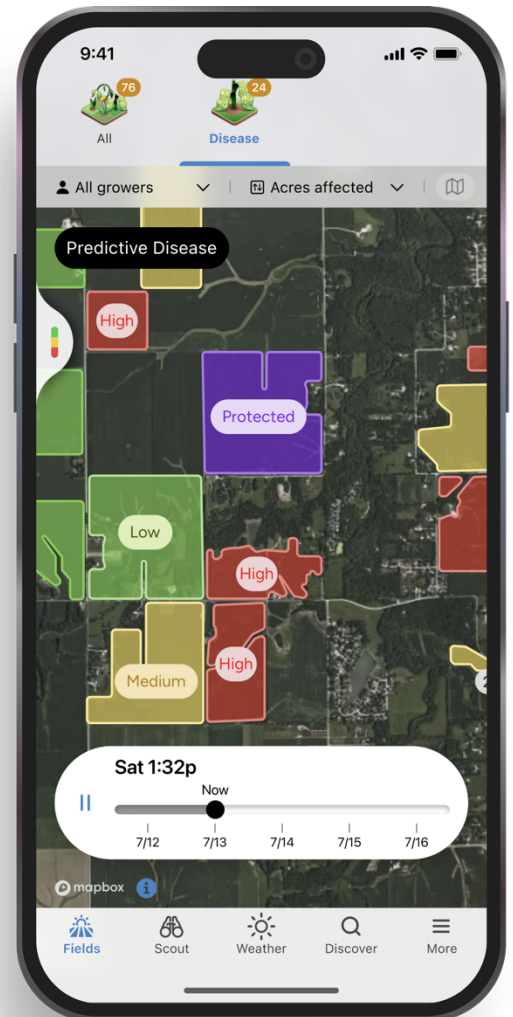
Requirements:
- Planting date
- Hybrid / variety name
- Prior year crop
- Tillage type
- Yield goal

To learn more about AGMRI or sign up, visit intelinair.com or contact us at sales@intelinair.com.