Protect Your crops with precision

CropX Farm Management System – Disease Management Capability

The disease management capability of the CropX Farm Management System is the most tested and reliable digital disease management advisor in the market. It provides guidance on exactly when, where, and what to spray, enabling farms to precisely time chemical applications, ensuring crop yield and quality are protected and resource use is optimized.

- Tested globally and trusted by farmers for over 25 years
- Currently used on farms in 22 countries
- Provides spraying advice for 28 major crop types
- Unique crop model evaluates unprotected leaf area, fungus lifecycle, crop hardiness, and weather conditions to make spraying recommendations.

Features and Functionality

Field map

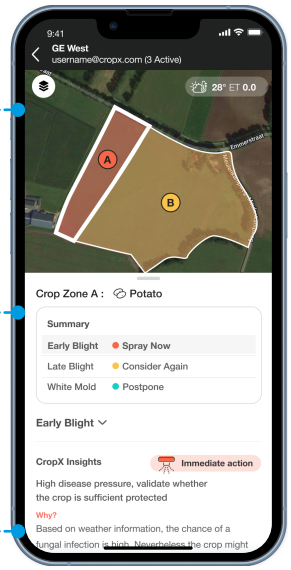
Visual display of the current infection risk for a field

Summary

Monitors field-specific and regional disease pressure to display current risk level for various diseases

CropX Insights

Provides actionable insights based on real-time conditions



Spraying Conditions

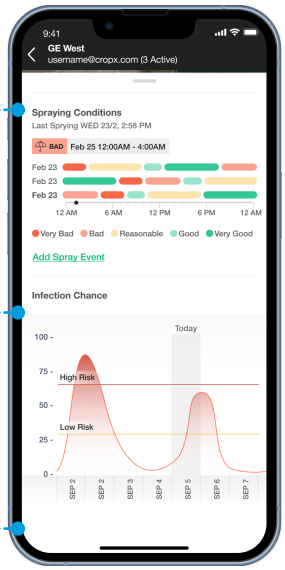
Tracks weather conditions to advise on the best days and times to spray

Infection Chance

Near-term graphical view of infection risk levels

Additional features

Available on desktop and mobile apps
View and manage multiple fields



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Crops and Diseases Covered

Apple
Apple scab

Celery
Septoria

Rapeseed
White rot

Winter wheat
Septoria tritici blotch

Sunflowers
White mold

Asparagus
Leaf spot

Endive
White mold

Tulip
Botrytis

Coriander
Septoria

Lettuce
Downy mildew
White mold

Beetroot
Remularia leafspot
Beet leaf spot

Strawberry
Blue/grey mold
Powdery mildew

Soybean
Asian soybean rust
White mold

Grapes
Grey mold
Powdery mildew
Downy mildew

Tomato
Late blight
Blue/grey mold
Alternaria

Bell pepper
Alternaria
Leveillula
Grey mold

Brocoli
Headrot
Downy mildew
Whiterust

Leeks
White Tip
Alternaria
Rust

Corn
Common rot
Grey leaf spot
Northhern leaf blight

Carrot
Alternaria
Cercospora
Sclerotinia
Powdery mildew

Peas
Ringspot
Alternaria
White rust/blister
Powdery mildew

Lemon
Brown rot
Melanose
Black rot
Guignardia

Potato
Late blight
Early blight
White mold
Grey mold

Onion
Downy Mildew
Botrytis
Neckrot
Purple Blotch
White tip
Leaf spot

Benefits

- Provide preventative recommendations based on real-time conditions
- Easily and quickly adjust a dynamic spraying program
- Protect crops from disease damage and maximize yields
- Optimize the use of crop protection chemicals
- Potentially reduce the number of sprays and amount of chemical used

Research and Validation

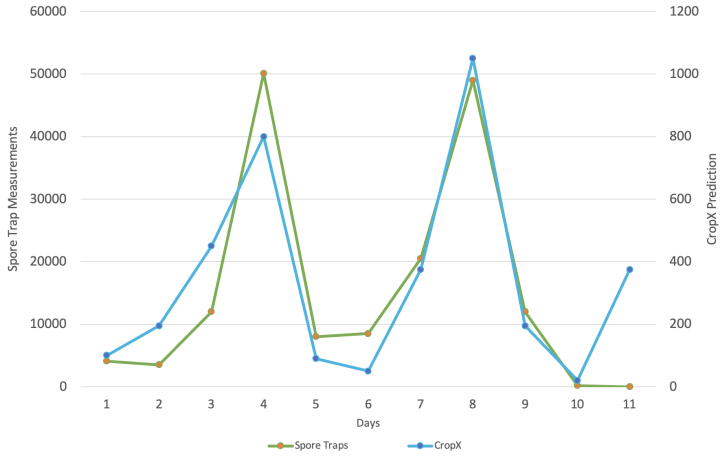
3rd-party studies have validated the CropX disease management model accuracy and shown positive results for farmers. This includes a comparison of the CropX model output and actual spore trap data as shown in figure 1. The results showed the high level of accuracy in the CropX model.

Multi-year studies conducted in Europe have also shown that crop protection chemical cost per ton of yield was reduced. These studies showed that the CropX model was able to accurately identify conditions where the time between sprays could be stretched to 2-3 weeks without risking yield

The graph compares the CropX output with spore trap readings near a trial carried out by Schlenzig from TU München-Weihenstephan.

Note: absolute spore counts cannot be compared with the CropX output as it calculates a fictitious figure, but the trends match closely.

Fig. 1: Comparing trend in CropX prediction versus actual spore traps



Contact Us www.CropX.com