

Stay one step ahead...

CropMonitor™ offering real-time monitoring now with comprehensive forecasting functionality in 2019, helping you to maximise yields and minimise costs

Real-time Data Today

- Real-time weather monitoring network
- Extended network of 30 sites to monitor untreated varieties of wheat, barley and oilseed rape for pests and disease
- Agronomist network offering real-time monitoring for late blight of potato crops
- Sophisticated generic modelling platform
- National and regional data are available to all users
- Receive 2 BASiS points for sign up

Sign up now at www.cropmonitor.co.uk

New Risk Forecasting Coming 2019

- Local pest and disease risk forecasting for wheat, barley, oilseed rape and potatoes
- Automated spore traps for pathogen detection
- Smart diagnostic services
- Spray window forecasts
- Action alerts
- Decision support module to guide product choice



Original thinking... applied



We work with
Innovate UK

www.fera.co.uk

Current features

- An agriculturally relevant weather monitoring network of >100 weather stations reporting data in real-time to the CropMonitor data hub.
- A network of 30 monitoring sites collecting data on pest and disease levels in untreated varieties of wheat, barley and oilseed rape. Each site also equipped with a high specification weather station, spore trap and insect traps.
- A participatory network of potato agronomists and growers providing real-time monitoring data on late blight in potatoes.
- All crop monitoring data reported weekly to the data hub and used in validation of >40 risk models being developed for pests and diseases of wheat, barley, oilseed rape and potatoes.
- A sophisticated generic modelling platform which generates risk forecasts and alerts based on real-time data received into the data hub.
- New website delivering access to all outputs including a registration page to sign up for alerts (2 BASIS points awarded).
- National and regional data are available to all users. Local forecasts will be available as a subscription service. Local services for the York site are live as a demonstration of the type of information available through the subscription service available from 2019.

Current services available:

Wheat

- Access to monitoring data, weather data and national summary report
- Forecasts of regional pest and disease risks in wheat
- Forecasts of local pest and disease risks in wheat (York only)

Potatoes

- Access to monitoring data, weather data and national summary report
- Forecast of regional risks of late blight
- Forecast of local risks of late blight (York only)

Oilseed rape

- Access to monitoring data and weather data and national summary report
- Forecasts of regional pest and disease risks (launching July 2018)
- Forecasts of local pest and disease risks (York only) (launching July 2018)

Barley

- Access to monitoring data and weather data and national summary report

Coming 2019

- Local risk forecasts for >40 pests and diseases of wheat, barley, oilseed rape and potatoes, initially for 100 locations but expanding to a landscape level coverage
- Introduction of automated spore traps for pathogen detection
- Integration of smart diagnostic services for confirmation of risk
- Prediction of crop development and spray decision events
- New spray window forecasts developed in collaboration with UKMO
- Alerts for action before symptoms become visible
- Decision support module offering the following:
 - Guidance on need to spray
 - Details of appropriate products for specific risk situation
 - Identification on when to spray in terms of crop growth stage and spray windows
 - Guidance on environmental considerations associated with product choices
 - Guidance on product choice for management of pesticide resistance

