

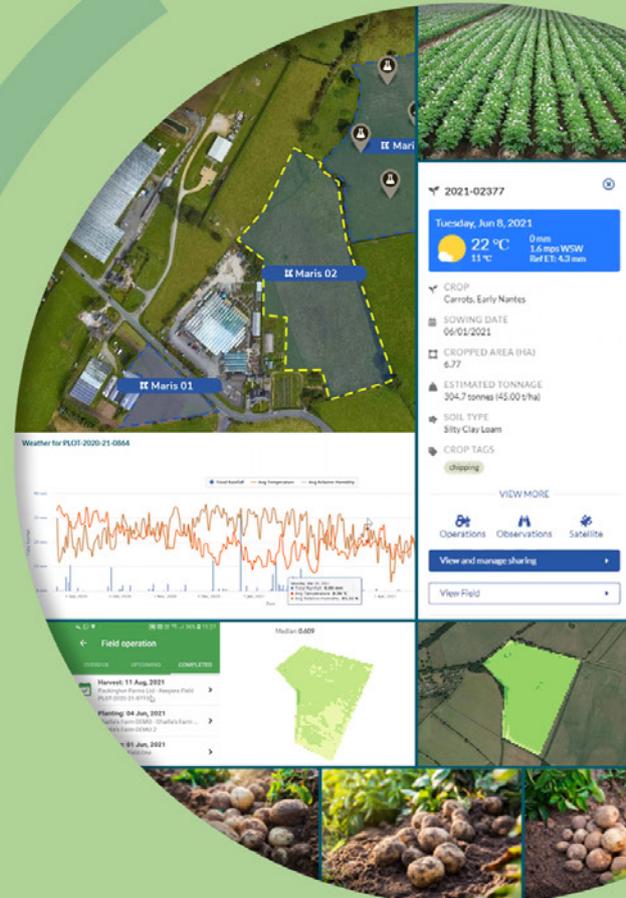


Monitor

Monitor blends real-time agronomic and environmental data to provide Producer Groups and Growers with a complete picture of crop health and progress across the season.

Granular crop information in one convenient platform

- Detailed crop husbandry for improved yield and quality
- Real-time alerts help you react faster to crop issues
- Cut down admin time for staff so they can be more productive
- Minimise travel for field visits and reduce your carbon footprint



Monitor

Whether you're looking for the bigger picture or digging for detail, Monitor's got it covered.



Improve margins

Access to real-time crop progress helps you optimise yield and quality for healthier profits



Reduce waste

Alerts to identify crop issues and risks so you can react faster and minimise loss

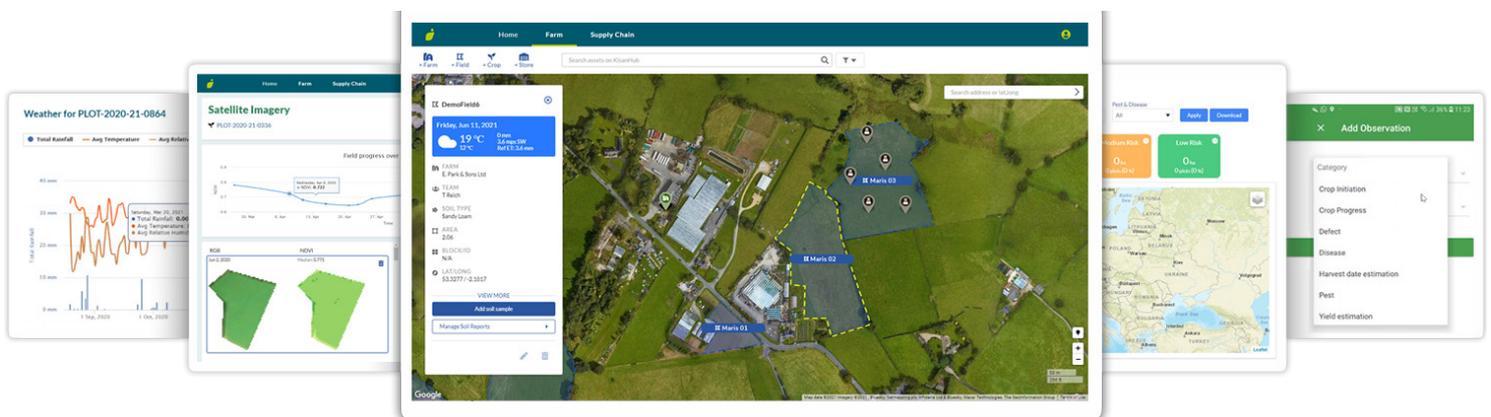


One source of truth

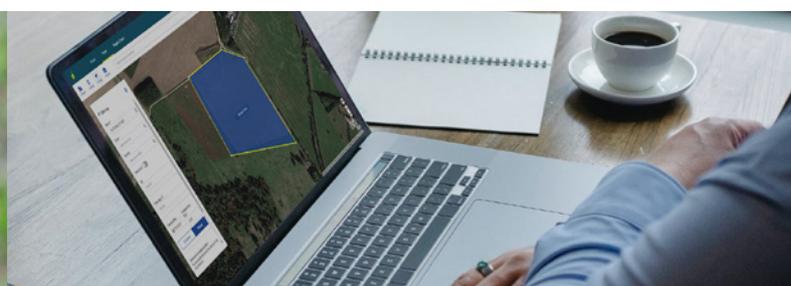
Easy to understand charts, graphs and automated data-feeds provide one source of truth for all

Improve crop quality and reduce risk with data-driven decision making

Say goodbye to spreadsheets, bits of paper blowing away in the breeze and disconnected data sources. Say hello to joined-up agronomic and environmental intelligence.



Monitor is available for web and mobile so you can add information, schedule operations and check crop progress any time, anywhere. Work offline in areas without internet coverage and synchronise data when you're next connected



More visibility, more control

Monitor provides real-time agronomic and environmental information to provide Producer Groups and their Growers with a complete picture of crop health and progress across the season.

Intuitive web and mobile interfaces make it easy to access the latest information in the office, or in the field. Crop diaries can be added to supplement automated data gathering to build the richest possible picture of crop health.

Monitor delivers alerts and reports on disease, pest damage, defects and more to help you take remedial action quicker. Plan operations and field activities with just a few clicks and review the results.

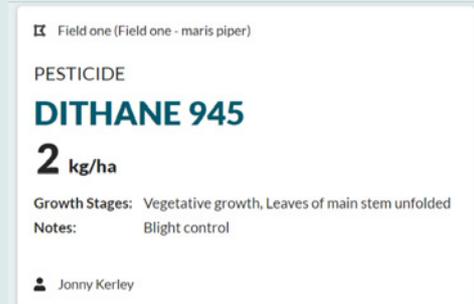
Check ground coverage, weather data and satellite imagery alongside crop diaries. When viewed side by side, this critical data helps Producer Groups and Growers optimise harvest, schedule treatments and consider procurement plans for next season.

Stronger relationships, healthier margins

Share progress of the current season with customers to demonstrate transparency. Provide a higher quality of service than your competition by presenting clients with a clear picture of crop health and progress.

Tell the story of your season with dashboards and reports containing facts, figures, ground cover and NDVI comparisons. The rich source of recorded data also helps to explain any issues in supply due to adverse weather or factors beyond your control.

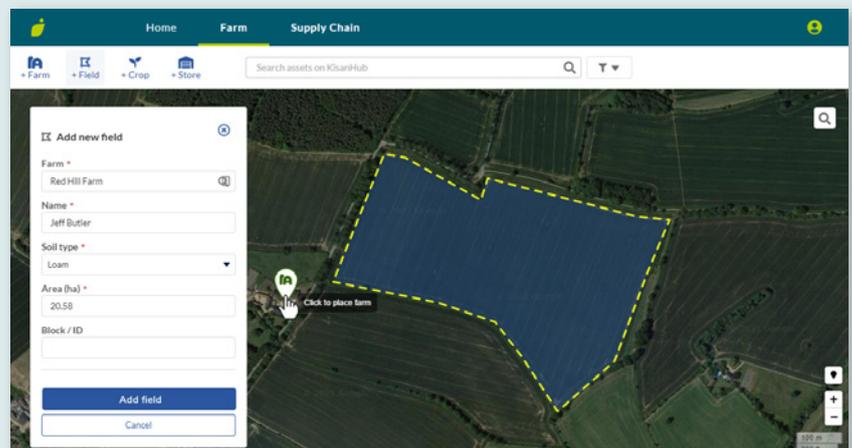
See how plots and crops compare across your supplier network year on year. Benchmark grower performance and gain crucial insights to reduce waste, improve quality and increase profits.



Simple to set up

Add your farms by dropping a pin on Monitor's scalable map. Mark out field boundaries and add plots with intuitive click and draw tools.

Enter basic crop data such as name, variety and yield estimations and Monitor will automatically begin collecting satellite imagery and weather data for your plot.



Remote Monitoring via Satellite

Automated analysis of the satellite imagery provides a useful indicator of crop health and helps Growers and Producer Groups to prioritise which crops may need greater attention.

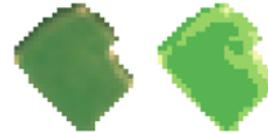
NDVI - Normalised Difference Vegetation Index shows active chlorophyll – an indication of biomass.

IRECI - Inverted Red Edge Chlorophyll Index provides better definition and can detect differences at the lower end of chlorophyll content.

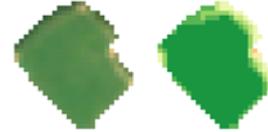
Ground Cover - for potato crops shows percentage of ground covered in leaves.

2021-08255 (18 Jun 2021)

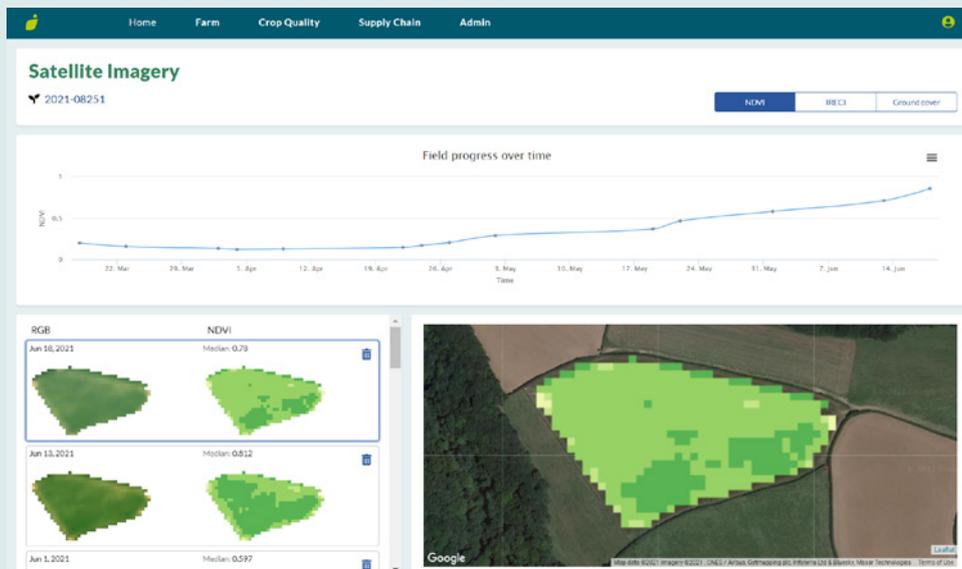
NDVI: 0.81 No change (since 13 Jun 2021)



IRECI: 1.59 ↑ 0.08 (since 13 Jun 2021)

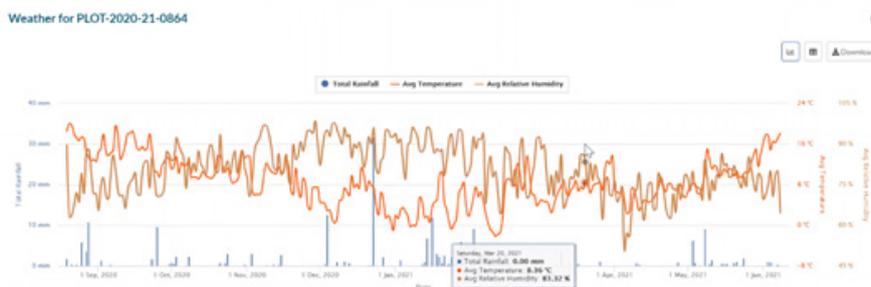


Ground Cover: 80.63 % ↑ 1.31 % (since 13 Jun 2021)



Weather Data

Monitor displays current forecasts and historic weather data for any registered plot. The data enables Growers to prepare for adverse conditions, plan operations or explain the impact of environmental conditions if there are any subsequent issues with quality or yield.



Leighbrooks Upper

Wednesday, Jun 16, 2021

27 °C
13 °C
1 mm
2.5 mps SSW
Ref ET: 5.8 mm

FARM
Leighbrooks

TEAM
Bluebird

SOIL TYPE
Clay

AREA
0.46

BLOCK/ID
N/A

LAT/LONG
52.0092 / 0.1321

Controlled Data Entry

Once basic information has been entered, you can also record growth stage or milestone details to track progress leading up to harvest.

Monitor uses industry standard vocabulary in simple drop-down menus to ensure consistency from your growing team.

Field Managers can enter observations to identify pests, diseases or defects, with risk levels added for each plot to identify any problem areas.

Observations		
Category	Variable	Value
Use a comma for multiple values		
Crop Initiation	Tuber count	3
Crop Progress	Ground cover	

Crop Monitoring

Date: 24/06/2020

Farm

Farm name: Barrow Farm
Plot name: PLOT-2020-21-0336

Crop

Crop name: Potato
Crop variety: Maris Piper

Growth stages

Primary growth stage: Vegetative growth
Secondary growth stage:

Observations

+ Add observation

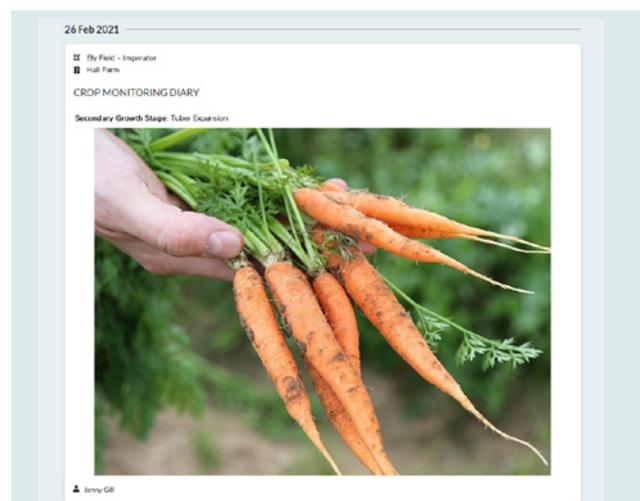
Notes

- Vegetative growth
- Germination
- Vegetative growth
- Tuber initiation
- Tuber bulking
- Flowering
- Senescence
- Skin set complete
- Harvested product

Crop Diaries

Add additional notes and pictures using the mobile app to build up a comprehensive picture of crop health. Quickly enter notes and observations by selecting from drop down lists to describe progress and flag any issues.

All data submitted via the mobile or web app syncs both ways and is available in both. Images taken in the field are geo-tagged and pinned on a map, making navigation and discovery easier for future reference and planning follow up visits.



Crop Monitoring

Date: 20/10/2020 Reporter: Peter Hartley

Farm

Farm name: Barrow Farm
Plot name: PLOT-2020-21-0336

Crop

Crop name: Potato
Crop variety: Maris Piper

Growth stages

Primary growth stage: Vegetative growth
Secondary growth stage: Side shoots visible

Observations

Category	Variable	Value
Yield estimation	Internal yield estimate (t/ha)	1.0

+ Add observation

Notes

Looking healthy

Images

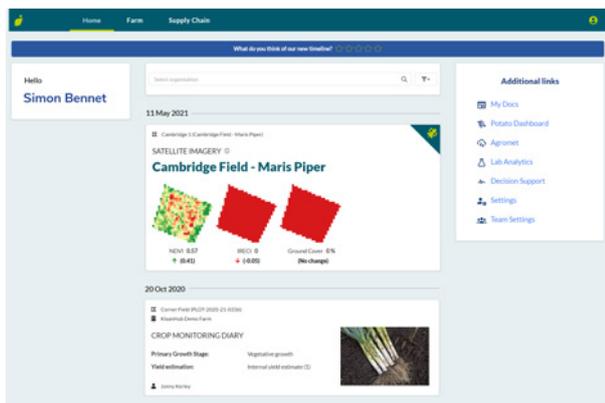
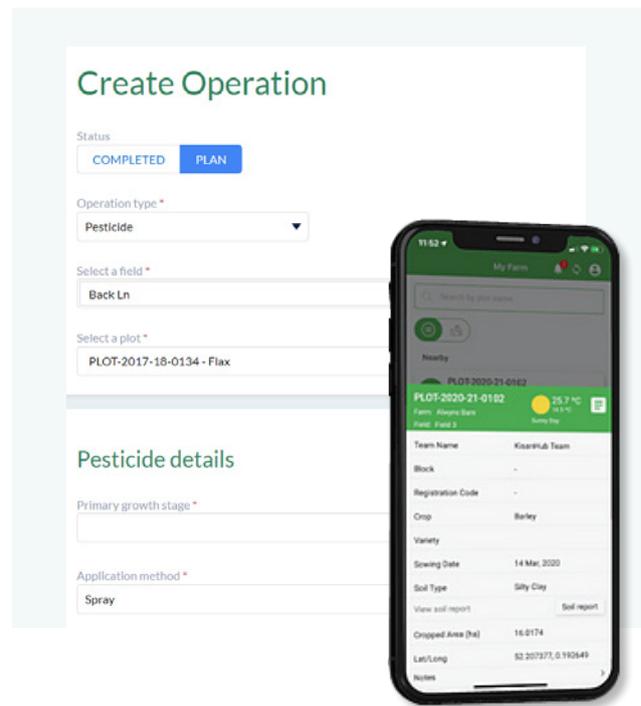
Map showing the location of the plot (highlighted in green) with a red location pin. Below the map are several thumbnail images: a close-up of soil, rows of potato plants in a field, a close-up of potato tubers, and a group of people working in a field.

Operation Scheduling

Schedule a range of field operations directly from the Monitor web or mobile app.

Choose from a range of day-to-day procedures such as planting and irrigation or specify which plots require fertiliser or pesticide. Producer groups and Growers can easily see which operations are upcoming, completed or overdue – as well as any changes made to the schedule.

Each plot has a full history of operations and a record of when pesticides and fertilisers were applied to provide full traceability across your supply chain.



Timeline Updates

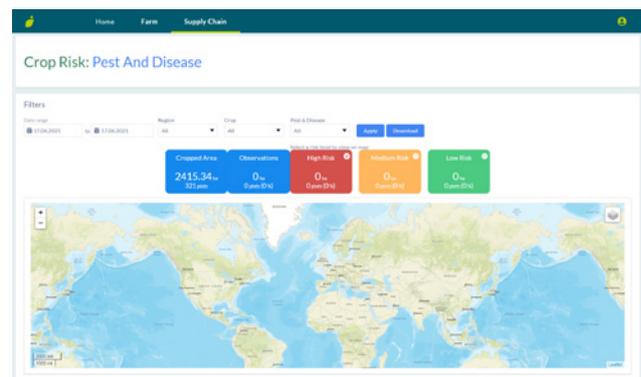
All activity is presented in chronological order, so you can view crop progress as a timeline. Scroll down to see recent operations, crop diary entries and other related events.

Timelines can be filtered so you can just see the updates for specific farms, crops, plots, varieties, by operation and more.

Crop Risk Maps

Monitor's Risk Map is a visual indicator of where crops are most at risk. Based on reports identifying pests and disease, the map shows where there are high, medium and low risk areas.

With risk data available you can modify procurement plans, revise forecasts on yield and more.



Request a free demo at www.kisanhub.com

Leading Producer Groups rely on KisanHub for remote crop monitoring



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jupiter GROUP



manor fresh limited



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