The Institution of Agricultural Engineers
Landwards Conference 2024

James Price

What we need from Agricultural Engineers


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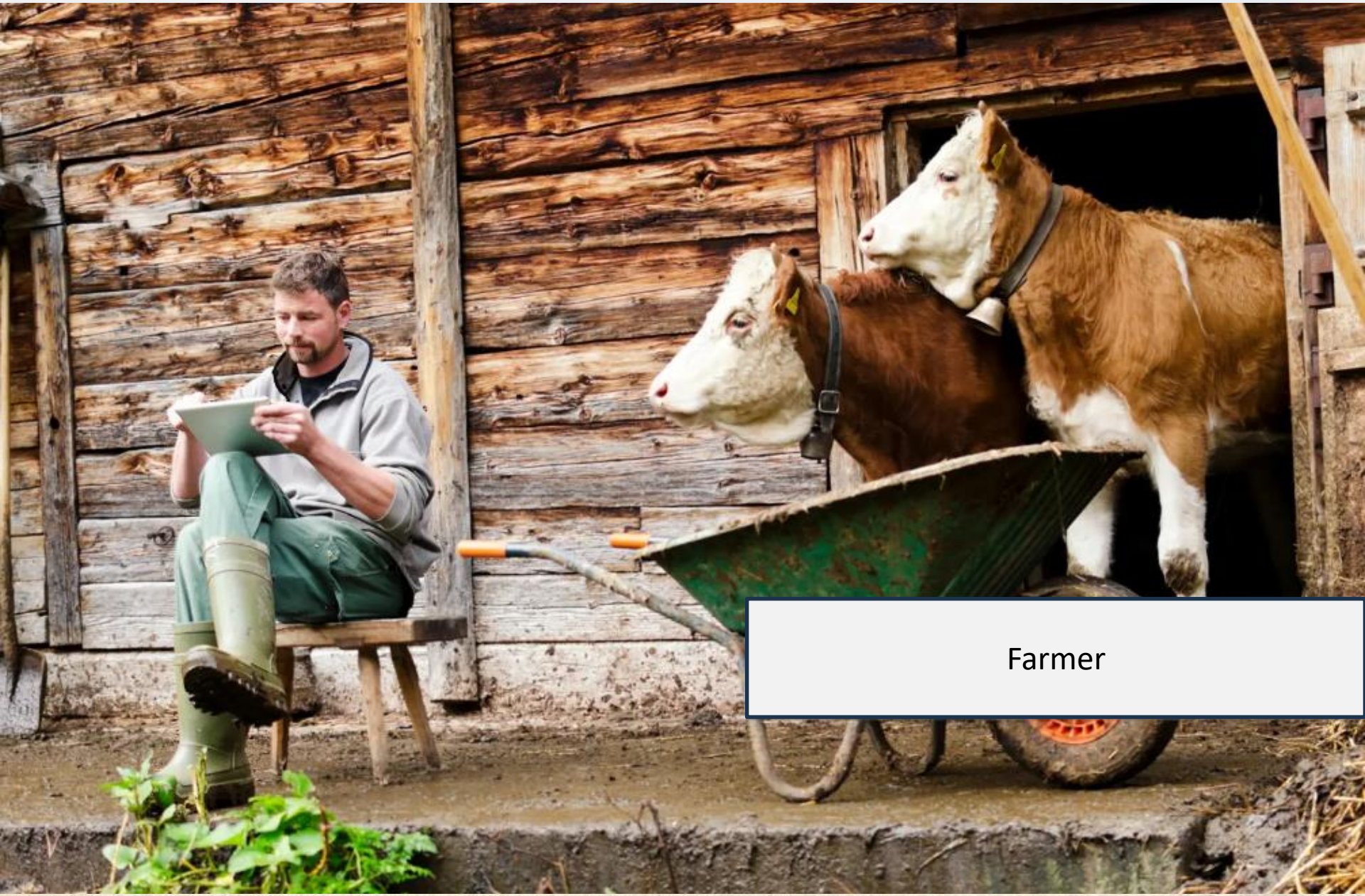
AGRICULTURAL ENGINEER
TO SAVE TIME
LET'S JUST
ASSUME
THAT I'M NEVER WRONG


Farmer

The Farmer

- 46 years old
- Partner in DVH Price and Son, Director of Ltd Companies
- Chair Steering Group for revision of RB209
- Habit of appearing in the press

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t arable journal
magazine
e time to attend
eir knowledge
Potato Special page 66
Beating the drought and planter tech
Pest patrol page 28
XT20
SPREADS UP TO 55M
Delivering double overlap spreading from our entry level models
XT24/48
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Valu
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THREE-YEAR STUDY: 10 acres given over to growing new varieties
Farmer helps global firms in trial to improve oilseed rape
EXPERIMENT: Farmer James Price, 35, from Perdiswell Farm, is involved in a trial with three large companies to improve growing methods of oilseed rape
Picture: DX70001 David Fleming
AN OXFORDSHIRE farmer is playing a central role in a trial to improve the yield and quality of oilseed rape.
James Price, 35, of Perdiswell Farm near Woodstock, and a Lincolnshire farmer are working with global companies on the crop.
Oxfordshire is one of the country's main areas for growing oilseed rape, used for light machine oil, biofuel and cooking.
Mr Price was approached by fertiliser company Yara to take part after working previously with the firm.
It is giving him free seed and chemicals worth about £500 and he is also working along with sustainable agriculture company Monsanto and chemical company BASF.
Ben Holgate
bholgate@oxfordmail.co.uk
He said of the three-year trial: "It's promoting best practice in oilseed rape. I get the knowledge of what we're doing to achieve it."
Mr Price has committed 10 acres of his family-owned farm to grow 17 different varieties of oilseed rape, 14 of which are experimental.
The 1,000-acre farm has 550 acres devoted to oilseed rape, with other crops being winter wheat, spring barley and broad beans. Issues include control of weeds like charlock and use of different fertilisers and insecticides.
The impact of a new European Union ban on the use of the insecticide neonicotinoids for flowering crops will also be examined.
He said: "The concern is there's a potential risk that the neonicotinoids cause eight months later with pollinating bees."
The insecticide, however, was useful in eradicating the cabbage stem flea beetle, which can wipe out an oilseed rape crop.
Yara's chief agronomist for north and east Europe Mark Tucker said it wants to discover if UK production can rise from three tonnes per hectare to up to about 6.5 tonne
Bees are the
With a number of hives across the 680ha of Perdiswell Farm near Woodstock in Oxon, along with oilseed rape and beans that rely on pollinators, bees are seen as firm friends for James Price.
"We try to manage the spraying carefully around them – the last thing we want is to do anything that might harm the wildlife that's working for us," he says.
So insecticide sprays are seen as a last resort. "We never blanket spray – only when threshold values are reached. Then, if there's ever a chance of affecting bees, we'll choose Hallmark over cypermethrin, due to its bee safety."
James and Sam Cherry share the spraying, all mainly using a Sands SL4000 with a 24m boom. "We have a trailed sprhoud 3200 litre as a back-up base the pressure's on."
This season, he reckons they got away lightly with cabbage stem flea beetle. "We had to treat just 50ha – the crop was going backwards. We applied the dose of cypermethrin and it transformed it, but I did wonder at the time what the impact would be on beneficials – we've never had to spray for CSFB before."
The beans generally get a dose of Hallmark (lambda-cyhalothrin) mid-flowering for brucchid beetle, and only once have they had to spray this OSR when it was in flower. "We work closely with the agronomist to monitor pest numbers, then only spray in late evenings and early mornings.
"But being bee-friendly extends beyond good sprayer practice. We have wild bird cover crops, and plant mustard as an autumn cover crop. We there's always plenty for the bees to forage in, from early March right through to late September," he says.
James Price mon practice around
erator Spring 2015
12
milling challenge
his year's nabim/*Crops* champion milling heat grower is a firm believer in precision rming technology. *Richard Allison* reports
recision farming techniques, a commitment to building natural fertility and careful balancing of inputs is helping Price squeeze maximum po- from his challenging Cotrash soil.
011, he grew Solstice milling under contract with Open- r Warburtons, Cordiale, a aunty of Group as for Weetabix alled sister Cru- Limagrain.
ross the wheat he achieved an ge yield of 7.3t/ ch Crusoe being t yielding, vari- crop grown for lded more than the 11ha area.
ver pleased with the yields was a challenging year and his were good at 13-14%."
proach to nitrogen has al- to reduce nitrogen inputs ecting yield or protein
nitrogen applications ted under his contract ors, so he applies the te as he can. "We put 240kg/ha on the Sel- 0kg/ha on Cordiale, plication was put on me."
Another part of his nutrient strategy is incorporating a large quality of organic manure every year to improve natural fertility and water retention.
Coffee waste, green waste compost, farmyard manure and bio solids are all used in rotation to maximise efficiency while avoiding any conflicts with milling contracts.
"For example, I don't use biosolids before milling wheat, but I do before spring barley."
The nutrient content of these manures is analysed each year and application rates are varied accordingly.
The only straw that leaves the farm is traded with a neighbour in return for muck, so there is minimal organic material being removed from the farm.
Much of his equipment is guided via GPS auto steer to maximise the efficiency of field work and inputs, and the whole farm has been mapped into soil zones. "We're saving about 25% on our fuel costs since using GPS with our Discon- don."
John Deere Green Star on the 5E1 signal is used for all operations and the accuracy level is more than adequate in his area, he says.
Images from Google Maps, re-
nabim/CROPS
Milling Wheat CHALLENGE
sults from previous mapping carried out by Soyl and field trials have allowed him to build up an accurate picture of soil variation across the holding. Mr Price is also working with Clive Blacker, from Precision Decisions, to build up his own variable application map, which will be managed through his Gatekeeper farm management software.
JUDGES' VIEW
Nabim trade policy manager Martin Savage says James stood out for his enthusiasm and approach to the crop. "We saw that he considers everything that he does to the crop, from selection of varieties to building close relationships with his customers and especially the end-users," he says.
Much of the farm is on shallow Cotswold-type soils, which are quite limiting. James has approached this "constraint" by using precision technologies to examine inputs and to tailor requirements to his wheat crops.
Fellow judge and award-winning grower Mark Ireland adds: "I was impressed with the relationship he has forged with Warburtons through the Farmers Forum and his willingness to work with them to look at new varieties together with nitrogen trials.
"His care for the crop didn't finish at harvest as he has invested in updated storage facilities, which, together with rigorous sampling procedures, has resulted in him being able to supply grain of the highest quality to his customers," he says.
richard.allison@rbi.co.uk
Perdiswell Farm
Total area 440ha
Average rainfall 580mm
Soils Drought-prone Cotswold brash
Varieties 2011 Solstice [60ha], Cordiale [70ha], Crusoe [11ha], and Invicta [45ha]
Varieties 2012 Solstice [72ha] and Cordiale [93ha]
10 SMARTPHONE APPS
Will the latest smartphone **apps** make you 'appy?
- Latest agronomy apps reviewed
- Usefulness and useability rated
By Adam Clarke
Up to 20% of farmers are now using a smart phone, and the demand for apps to aid growers in their day to day tasks is increasing. There are now agronomic, business and machinery-based apps for both iPhone and Android formats.
Crops has teamed up with a four-man panel to test out some new agri-apps, based on a score of one to five for useability and usefulness, with five being the highest possible score.
Apps on trial
- BASF Weed ID
- CropMonitor
- Hutchinsons Fieldwise
- Kuhn Nozzle Configurator
- Firestone TPC
New apps can help growers, like James Price, with agronomy decisions.
REVIEW PANEL
Jake Freestone, farm manager, Overbury Farms, Gloucestershire
Matt Redman, manager of Matt Redman Agriculture, College Farm, Bedfordshire.
Weatherpro*
We asked our panellists their thoughts on useful weather apps, which can be a valuable part of decision-making on the farm.
"I personally use WeatherPro (iPhone and Android, £2.49], which I think is brilliant, although it is a pay for app," says Mr Price. "I recently upgraded to the premium version which gives me a two week forecast and a radar.
CropMonitor
Gives wheat disease ris and allows user to submit sightings to share with o users. Current and histo also shared from 13 mon across the UK. A photo fo identification of any dise Available on iPhone and
Useability 3.5
The reviewers were ha the app, citing that it is to start using. "It requir to be filled in and user obtain a username and says Mr Redman. "Even though, it is easy to en to load pages."
"It seems to take a in, so ideally you need will, which isn't always when out in the field," Freestone.
Usefulness 3.5
Despite the app being as very useful for deter disease and pest risk, it relies on user
Firestone Tyres
An app that helps th calculate the optimum pressures to increase efficiency when using tyres. It also contains all Firestone dealers th the UK. Available on iPh Android. [Free]
Useability 3.25
The Firestone app is qu complicated and requires of information to use it, s Freestone. "You need load, tyre which can be quite di Ascertain if you have a ful trailer on the tractor," he a
"It lists every tyre model than just tyre size so can b difficult to get the informa you need, although it is fre good to have a play around says Mr Redman.
Usefulness 3.25
Our panel points out that attention needs to be paid t


BAYER
REDIGO Deter
Redigo Deter
Stretch out your spray timings seed treatment
Bayer SureStart
For crops that perform
Make foliar insecticide timings simpler when pest pressure is high with Redigo Deter's extended BYDV protection. Get a perfect fit for your post-em herbicide programme, especially black-grass.
Find out more. Visit us at stand 705.
www.bayercropscience.co.uk/redigo-deter
Redigo and Deter are registered Trade Marks of Bayer. Redigo Deter contains prothioconazole and clothianidin. Use plant protection products safely. Always read the label and product information before use. Pay attention to the risk indications and follow the safety precautions on the label. For further information, please visit www.bayercropscience.co.uk or call Bayer Assist on 0845 609 7266 (calls cost 5p per minute plus your telephone company's network access charge) or 01223 226644.
© Bayer CropScience Limited 2015.

The Business

- 480ha of Cotswold Brash Soils, 390ha of Silt, 485ha of everything else
- Annual Rainfall 580mm (925mm last year) 865mm so far this year
- 2 Full time members of staff plus part time help
- 140ha owned - remainder tenanted & contract farmed

Challenges

- Labour
- Soils
- Market
- Equipment
- Weather


Markets
12,00
6,00
-0,54
-6,00
-12,00
3,00
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0,01
-1,50
-12,5K
-15,0K
-17,5K
-20,0K
-21,6K
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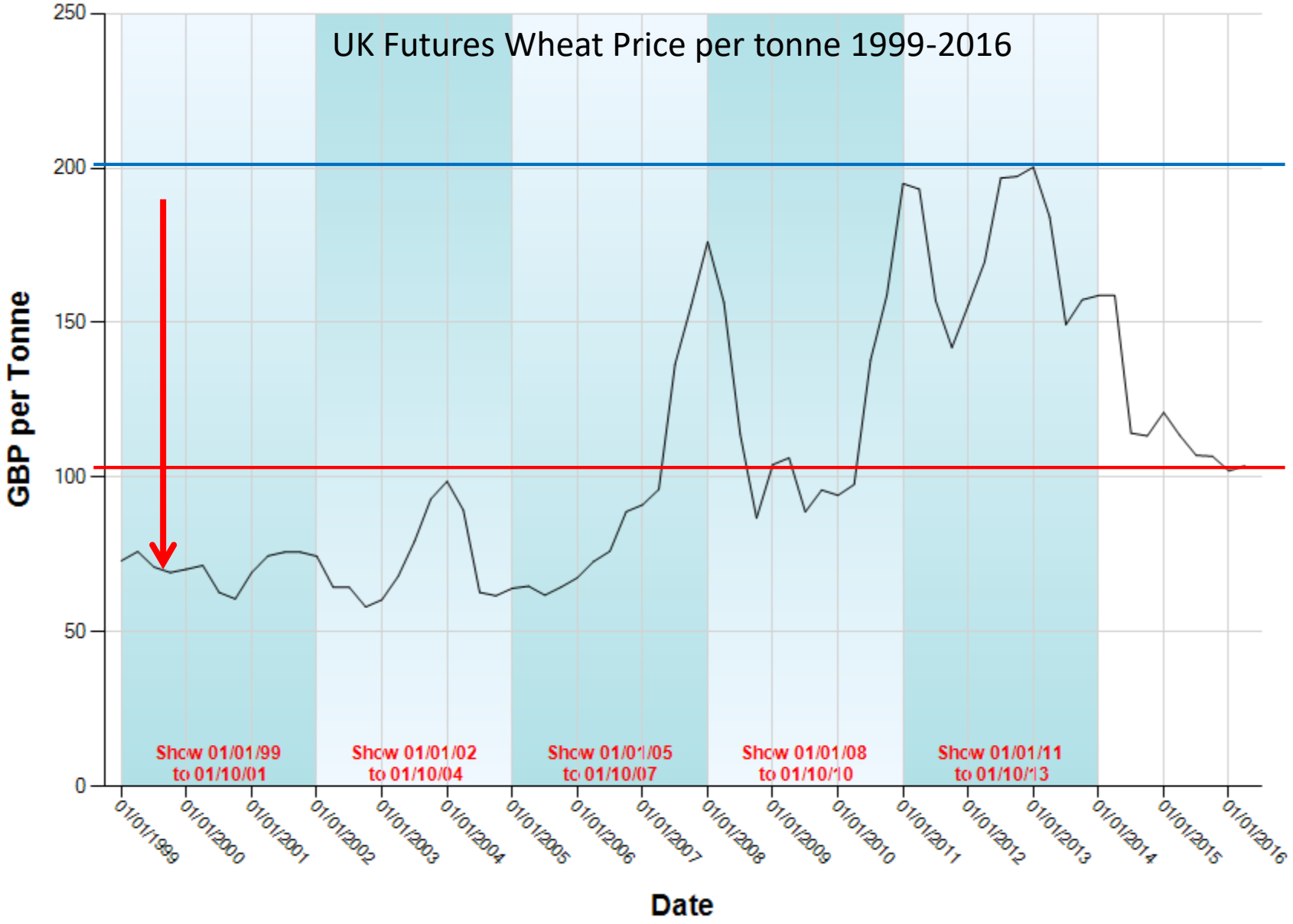
-0,80


UK Futures Wheat Price per tonne 1999-2016
GBP per Tonne
250
200
150
100
50
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Show 01/01/99 to 01/10/01
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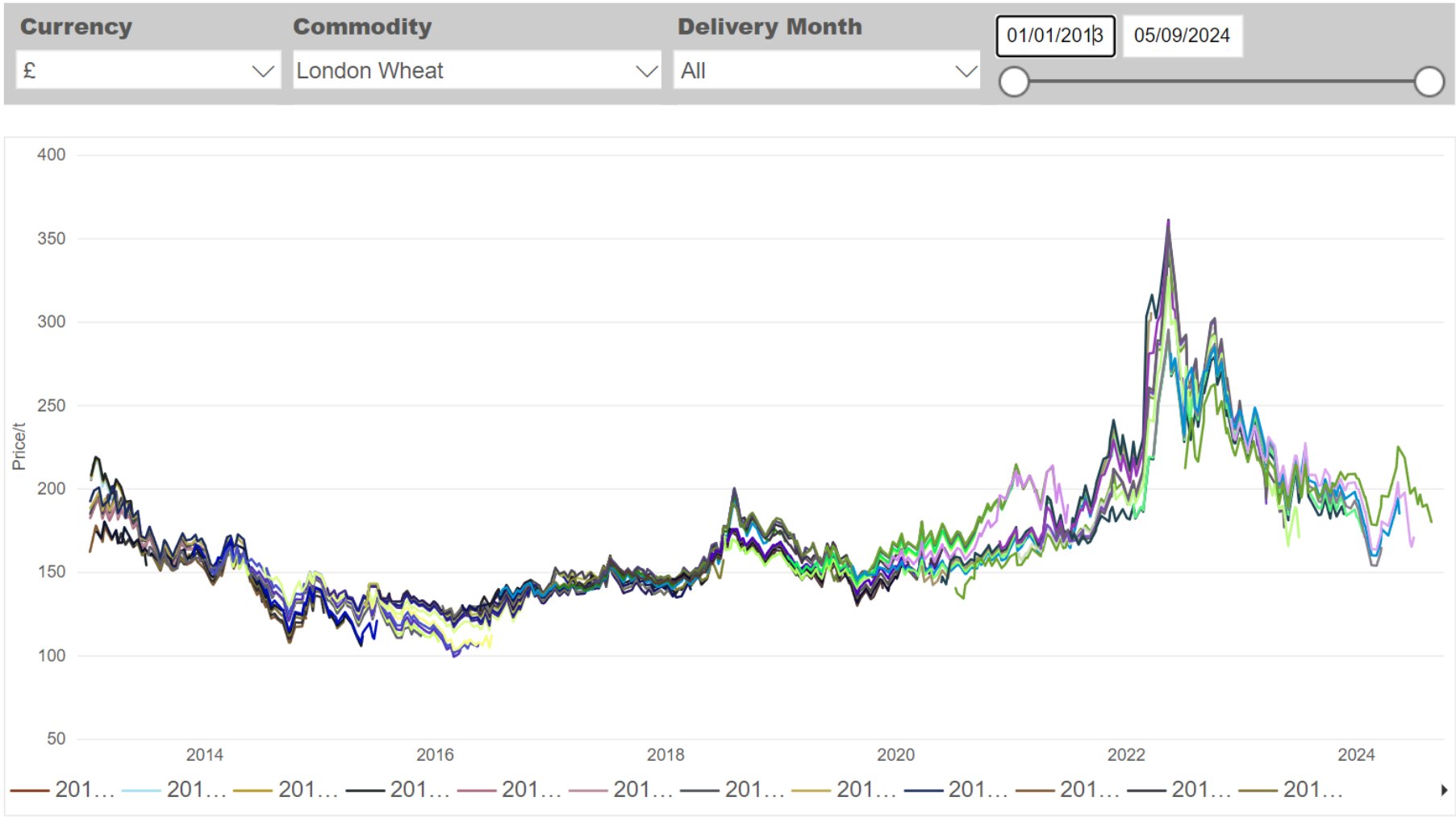
Date

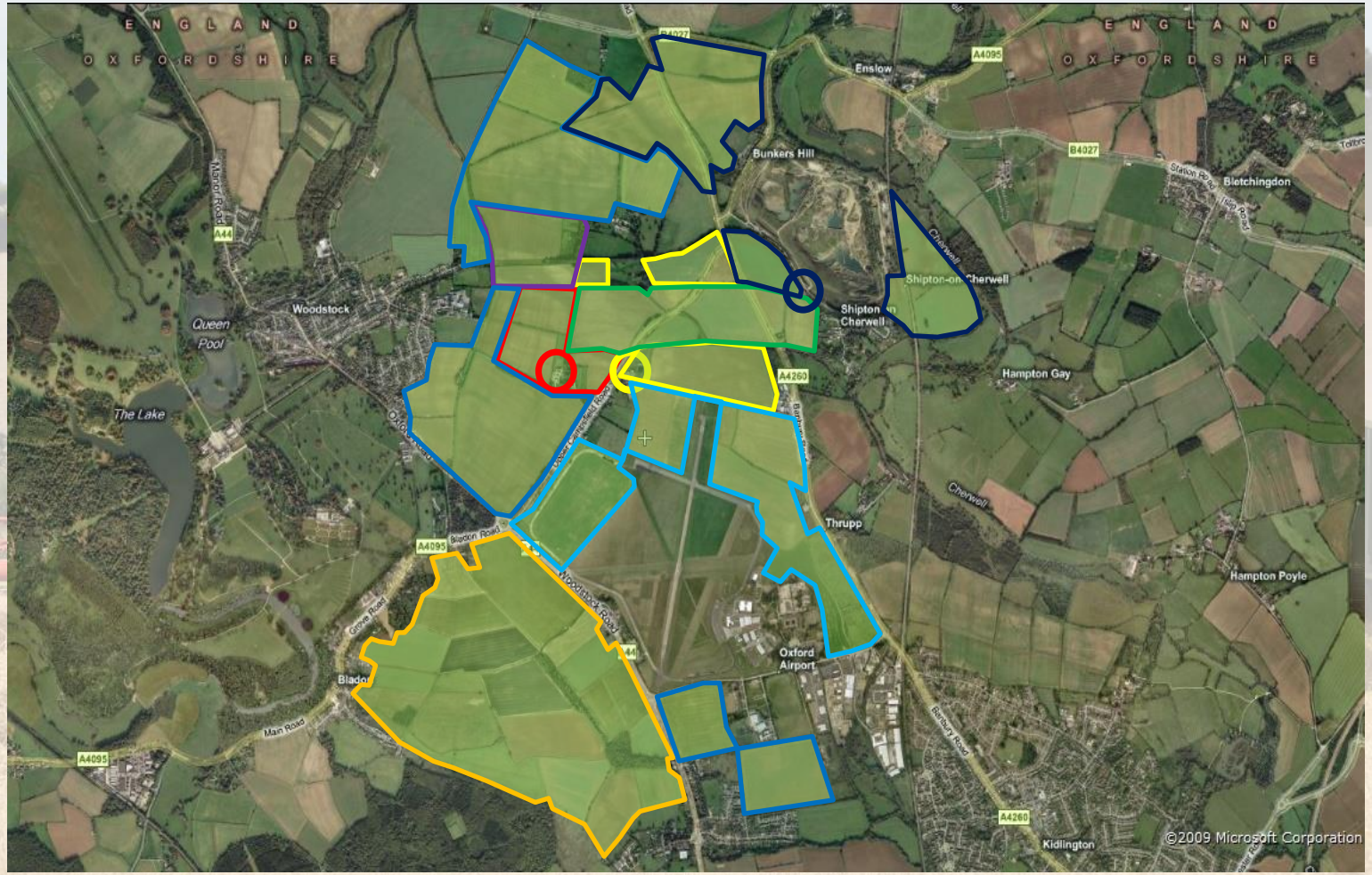
UK Futures Wheat Price per tonne 2013-2024

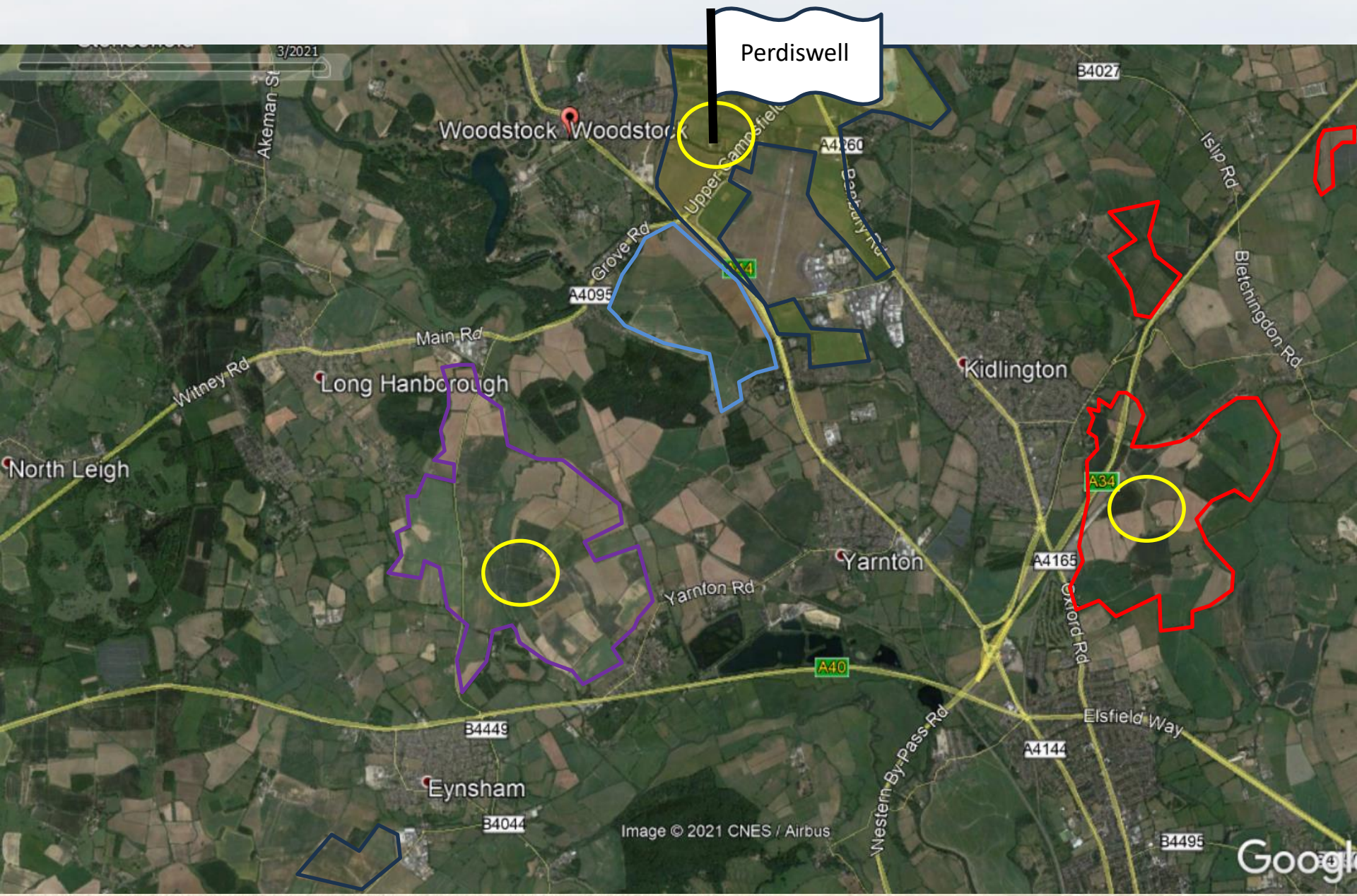


Soils

Weather

Perdiswell Farm




Perdiswell
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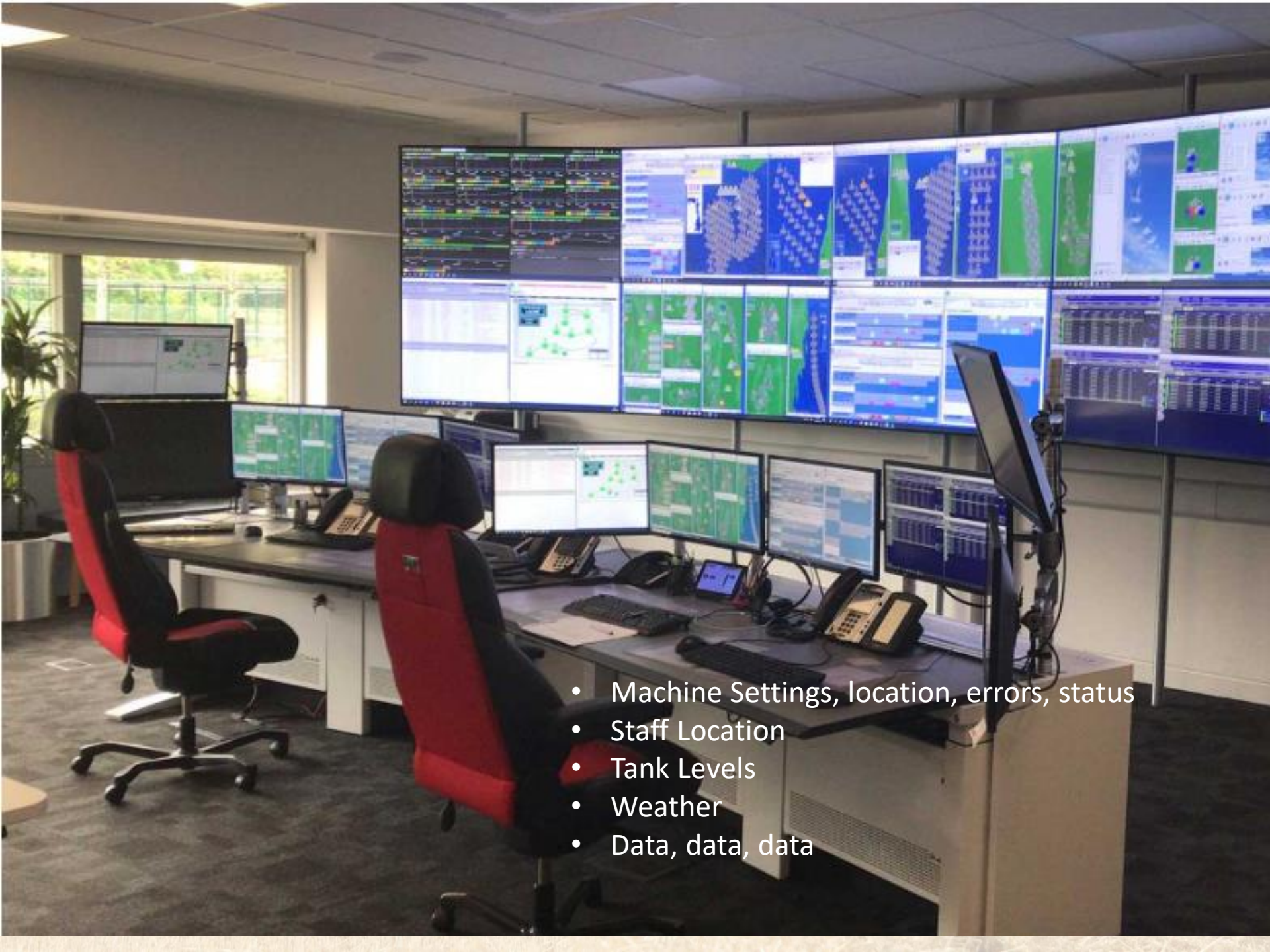
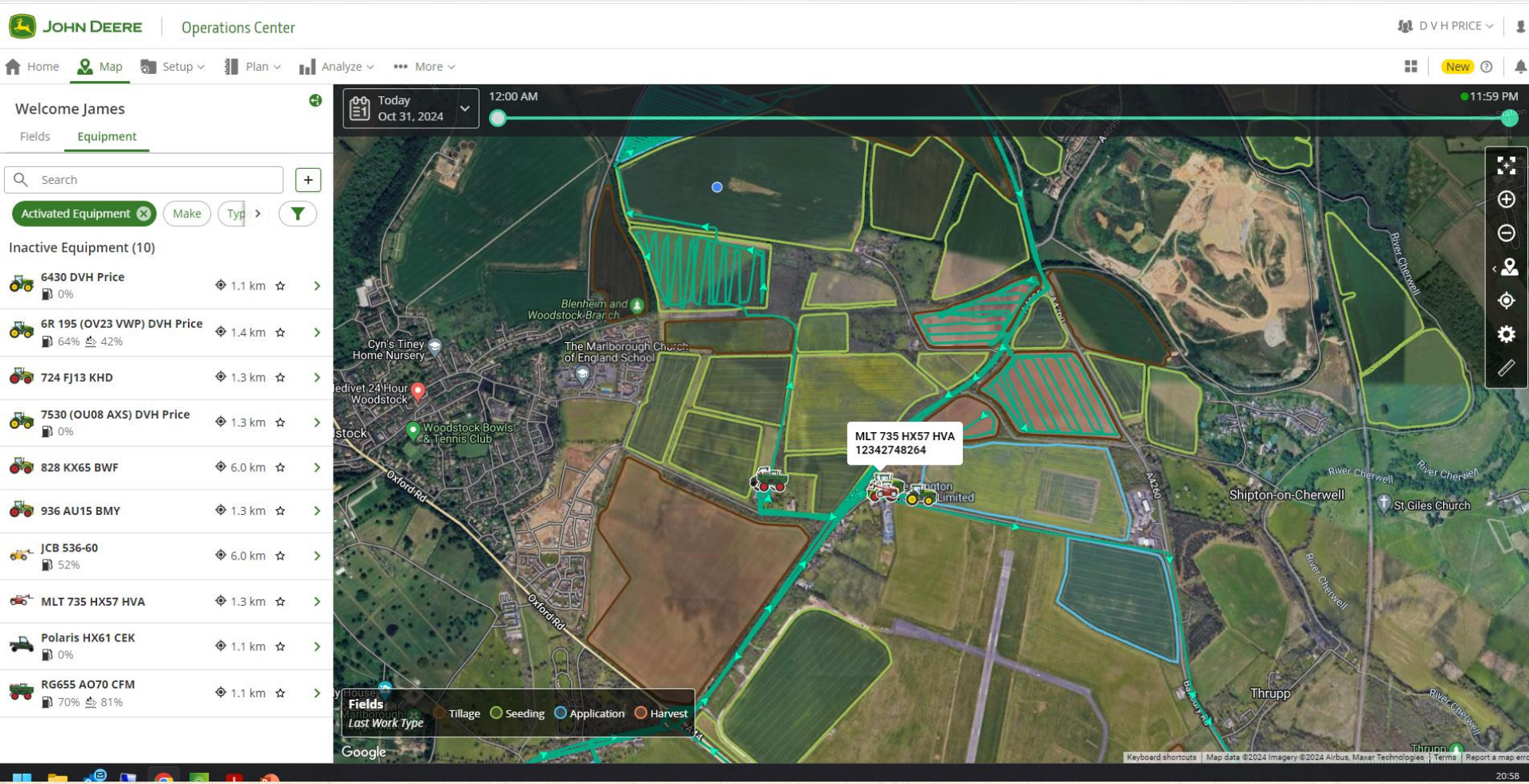
Islip Rd
Upper Campsfield
Grove Rd
A4095
Main Rd
Witney Rd
Long Hanborough
Kidlington
Bletchingdon Rd
North Leigh
A34
A4165
Yarnton
Yarnton Rd
Oxford Rd
A40
B4449
Elsfield Way
A4144
Eynsham
B4044
Western By-Pass Rd
B4495
Image © 2021 CNES / Airbus

Data

Machinery

Utopia


• Machine Settings, location, errors, status
• Staff Location
• Tank Levels
• Weather
• Data, data, data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Today
Oct 31, 2024
12:00 AM
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Blenheim and Woodstock Branch
Cyn's Tiney Home Nursery
The Marlborough Church of England School
Woodstock Bowls & Tennis Club
Oxford Rd
Shipton-on-Cherwell
St Giles Church
River Cherwell
Thrupp
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Map data ©2024 Imagery ©2024 Airbus, Maxar Technologies
Terms
Report a map error
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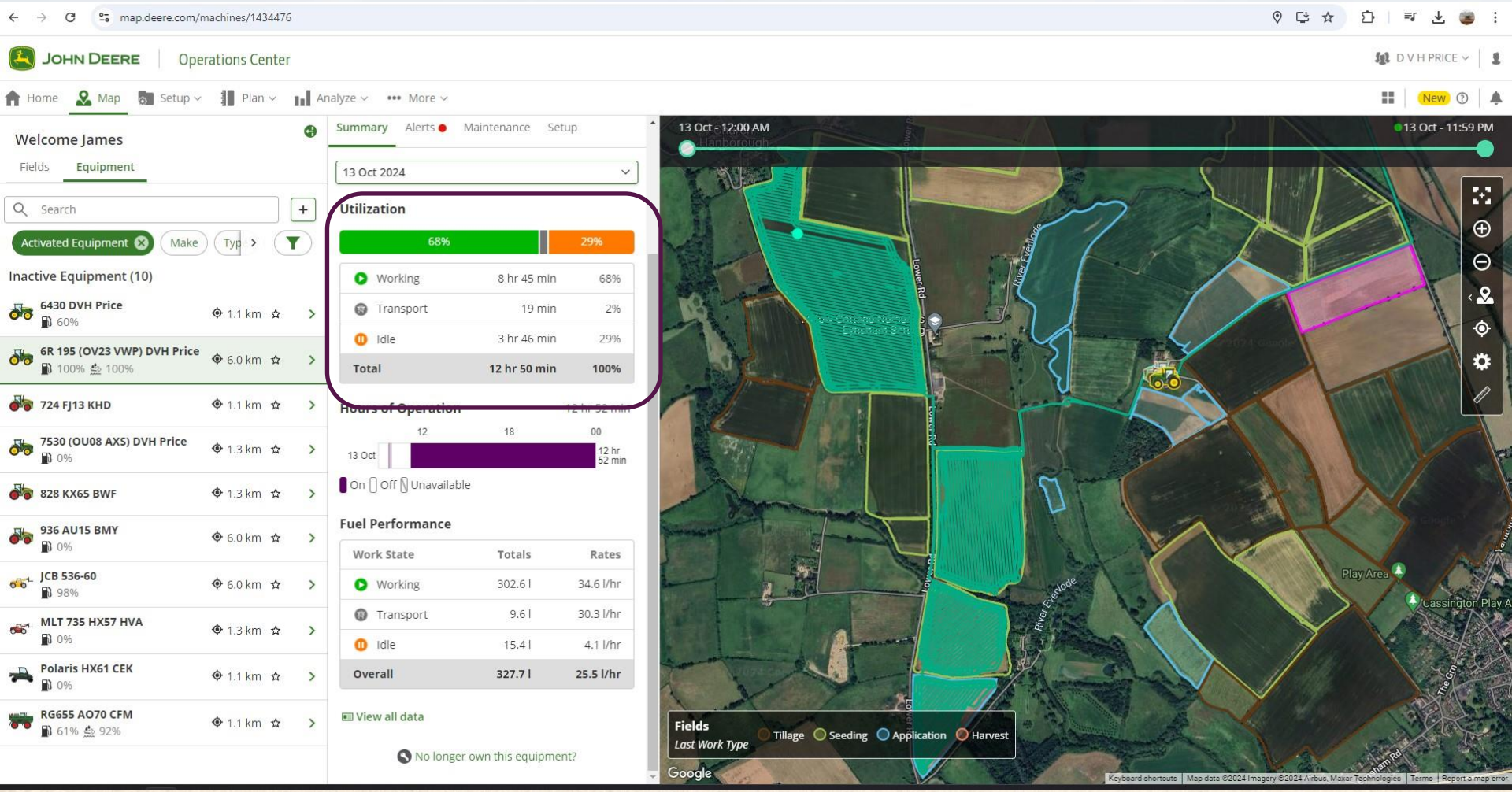
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Summary
Alerts
Maintenance
Setup
13 Oct 2024
Utilization
68%
29%
Working 8 hr 45 min 68%
Transport 19 min 2%
Idle 3 hr 46 min 29%
Total 12 hr 50 min 100%
Hours of Operation
12 18 00
13 Oct
12 hr 52 min
On Off Unavailable
Fuel Performance
Work State Totals Rates
Working 302.6 l 34.6 l/hr
Transport 9.6 l 30.3 l/hr
Idle 15.4 l 4.1 l/hr
Overall 327.7 l 25.5 l/hr
View all data
No longer own this equipment?
13 Oct - 12:00 AM
13 Oct - 11:59 PM
Hanborough
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River Evenlode
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Tillage
Seeding
Application
Harvest
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Keyboard shortcuts
Map data ©2024 Imagery ©2024 Airbus, Maxar Technologies
Terms
Report a map error

6R 195 (OV23 VWP) DVH Price
1L06195RKPR179955
Updated: Oct 31, 2024 8:23 PM
1,404 hrs

Export | Preferences

31 Oct 2024

RTK	2.27
100%	2.31

Machine Utilization by Machine State

Machine Measurement	Idle	Working	Transport
Average Engine Speed (RPM)	926.50	1591.42	1717.91
Avg Engine Load Factor (%)	22.86	71.87	80.36
Avg Fuel Rate (l/hr)	4.51	27.99	34.01
Avg Ground Speed (km/hr)	0.00	10.32	39.84
Fuel Consumed (l)	3.43	37.76	8.29
Machine Utilization (hr)	0.76	1.35	0.24

On Time

Diff Lock (hr)	1.34	1.01
FieldCruise™ (hr)	0.00	2.35
Front PTO (hr)	0.00	2.35
IPM™ (hr)	0.20	2.16
MFWD (hr)	1.69	0.66
Rear PTO (hr)	0.00	2.35
StarFire™ 7000 Machine Receiver (hr)	2.37	0.00

SCV Settings (251=Continuous)

SCV2 Retract Flow	5.30
SCV3 Detent Time (hr)	0.07
SCV3 Extend Flow	5.00
SCV3 Retract Flow	5.00
SCV4 Detent Time (hr)	0.00
SCV4 Extend Flow	5.00
SCV4 Retract Flow	5.00

Temperatures

Machine Measurement	Temperature
Average Hydraulic Oil Temperature (C)	54.15
Avg Coolant Temp (C)	79.86
Avg Trans Oil Temp (C)	55.21
Max Coolant Temp (C)	85.00

Time in Exhaust Filter Soot Level

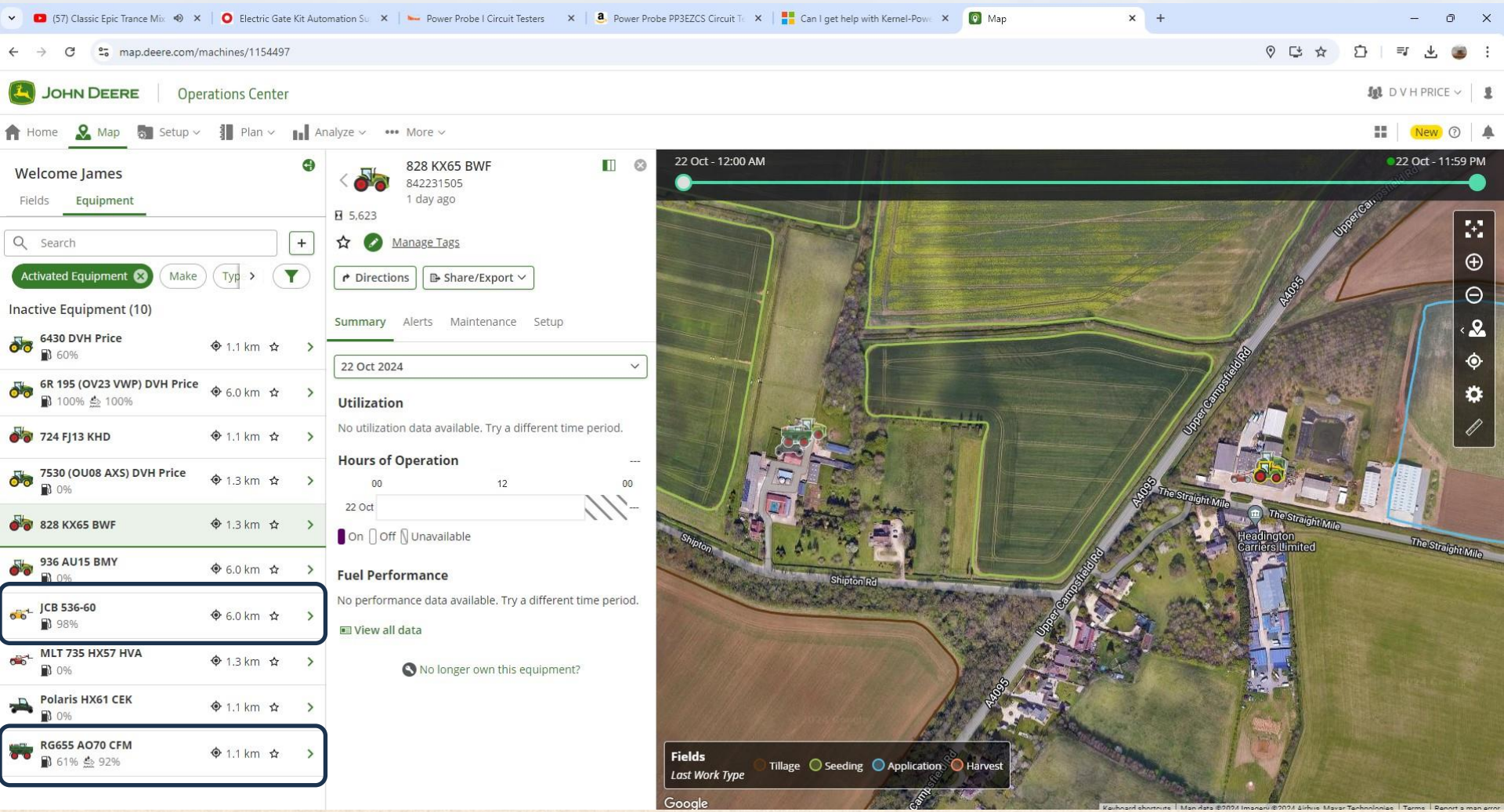
Table | Visual | Interval | Trend

Machine Measurement	Time in Exhaust Filter Soot Level (hr)
Soot Level Low (0)	2.38
Soot Level Low (1)	0.00
Soot Level Moderate (2)	0.00

Wheel Slip Time at Level

Table | Visual | Interval | Trend

Machine Measurement	Wheel Slip Time at Level (hr)
0.00-2.00%	0.16
2.01-4.00%	0.23
4.01-6.00%	0.33
6.01-8.00%	0.36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Power Probe I Circuit Testers
Power Probe PP3EZCS Circuit Te
Can I get help with Kernel-Powe
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map.deere.com/machines/1154497
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6R 195 (OV23 VWP) DVH Price
100% 100%
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724 FJ13 KHD
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7530 (OU08 AXS) DVH Price
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828 KX65 BWF
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936 AU15 BMY
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JCB 536-60
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MLT 735 HX57 HVA
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Polaris HX61 CEK
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RG655 AO70 CFM
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1 day ago
5,623
Manage Tags
Directions
Share/Export
Summary
Alerts
Maintenance
Setup
22 Oct 2024
Utilization
No utilization data available. Try a different time period.
Hours of Operation
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22 Oct
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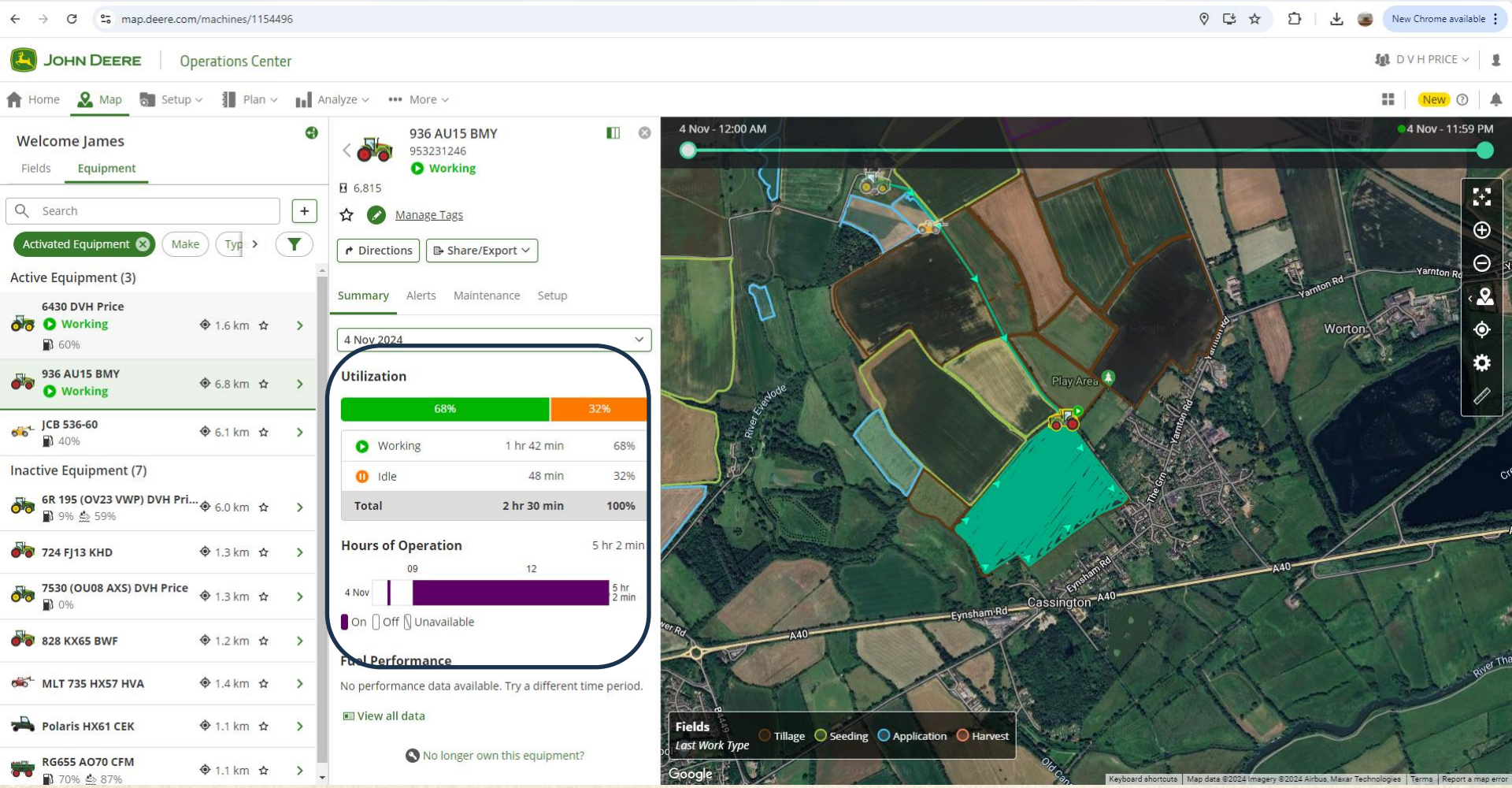
Off
Unavailable
Fuel Performance
No performance data available. Try a different time period.
View all data
No longer own this equipment?
22 Oct - 12:00 AM
22 Oct - 11:59 PM
A4095
Upper Campsfield Rd
The Straight Mile
Headington Carriers Limited
Shipton
Shipton Rd
Fields
Last Work Type
Tillage
Seeding
Application
Harvest
Google


map.deere.com/machines/1154496
New Chrome available
JOHN DEERE
Operations Center
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Welcome James
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Activated Equipment
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Active Equipment (3)
6430 DVH Price
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1.6 km
60%
936 AU15 BMY
Working
6.8 km
JCB 536-60
6.1 km
40%
Inactive Equipment (7)
6R 195 (OV23 VWP) DVH Pri...
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9%
59%
724 FJ13 KHD
1.3 km
7530 (OU08 AXS) DVH Price
1.3 km
0%
828 KX65 BWF
1.2 km
MLT 735 HX57 HVA
1.4 km
Polaris HX61 CEK
1.1 km
RG655 AO70 CFM
1.1 km
70%
87%
936 AU15 BMY
953231246
Working
6,815
Manage Tags
Directions
Share/Export
Summary
Alerts
Maintenance
Setup
4 Nov 2024
Utilization
68%
32%
Working
1 hr 42 min
68%
Idle
48 min
32%
Total
2 hr 30 min
100%
Hours of Operation
5 hr 2 min
09
12
4 Nov
5 hr 2 min
On
Off
Unavailable
Fuel Performance
No performance data available. Try a different time period.
View all data
No longer own this equipment?
4 Nov - 12:00 AM
4 Nov - 11:59 PM
Yarnton Rd
Worton
Play Area
River Evenlode
Yarnton Rd
The Grn
Eynsham Rd
A40
Cassington
Eynsham Rd
A40
A40
Fields
Last Work Type
Tillage
Seeding
Application
Harvest
Google
Keyboard shortcuts
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Report a map error

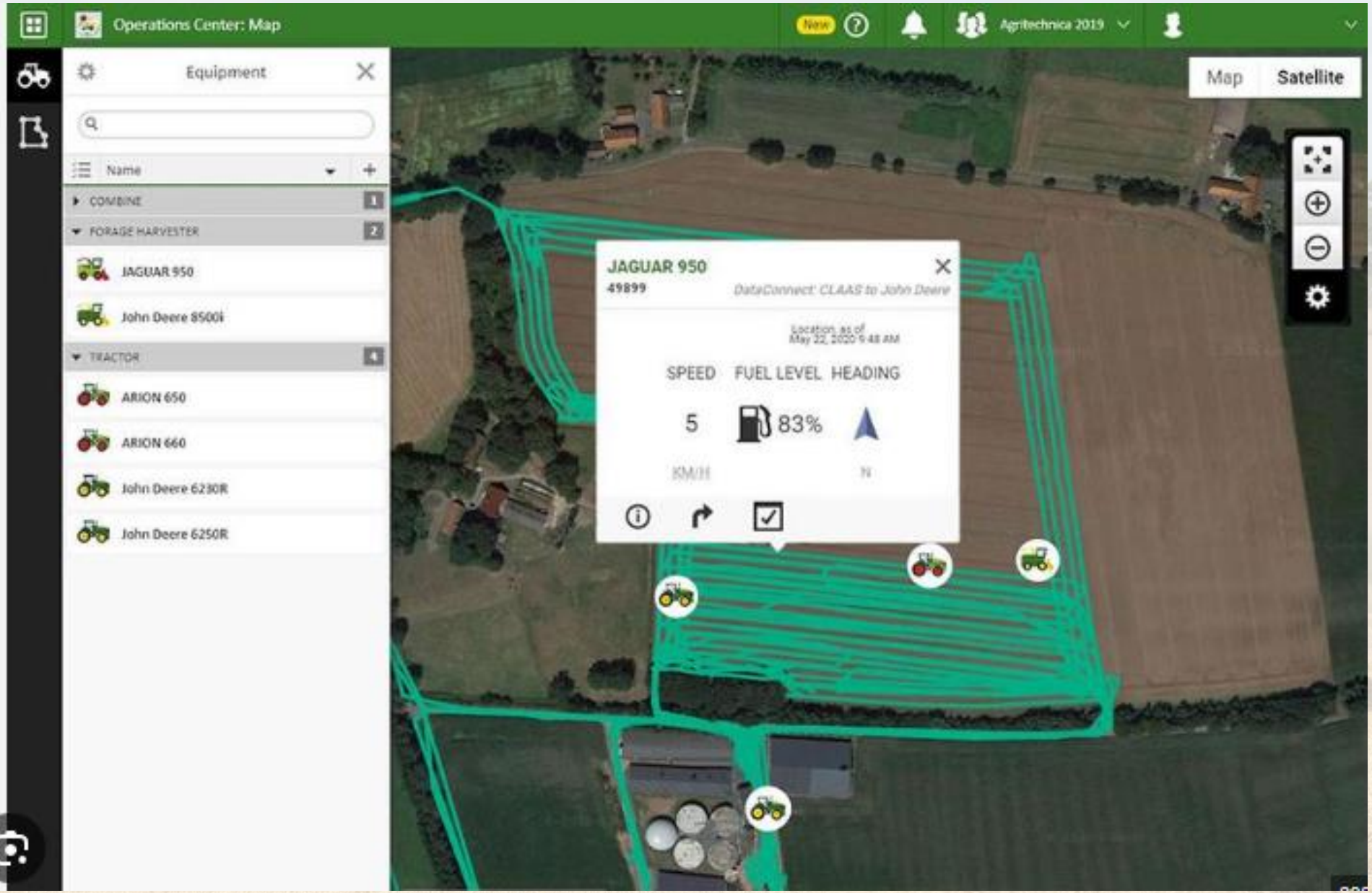
What's missing?

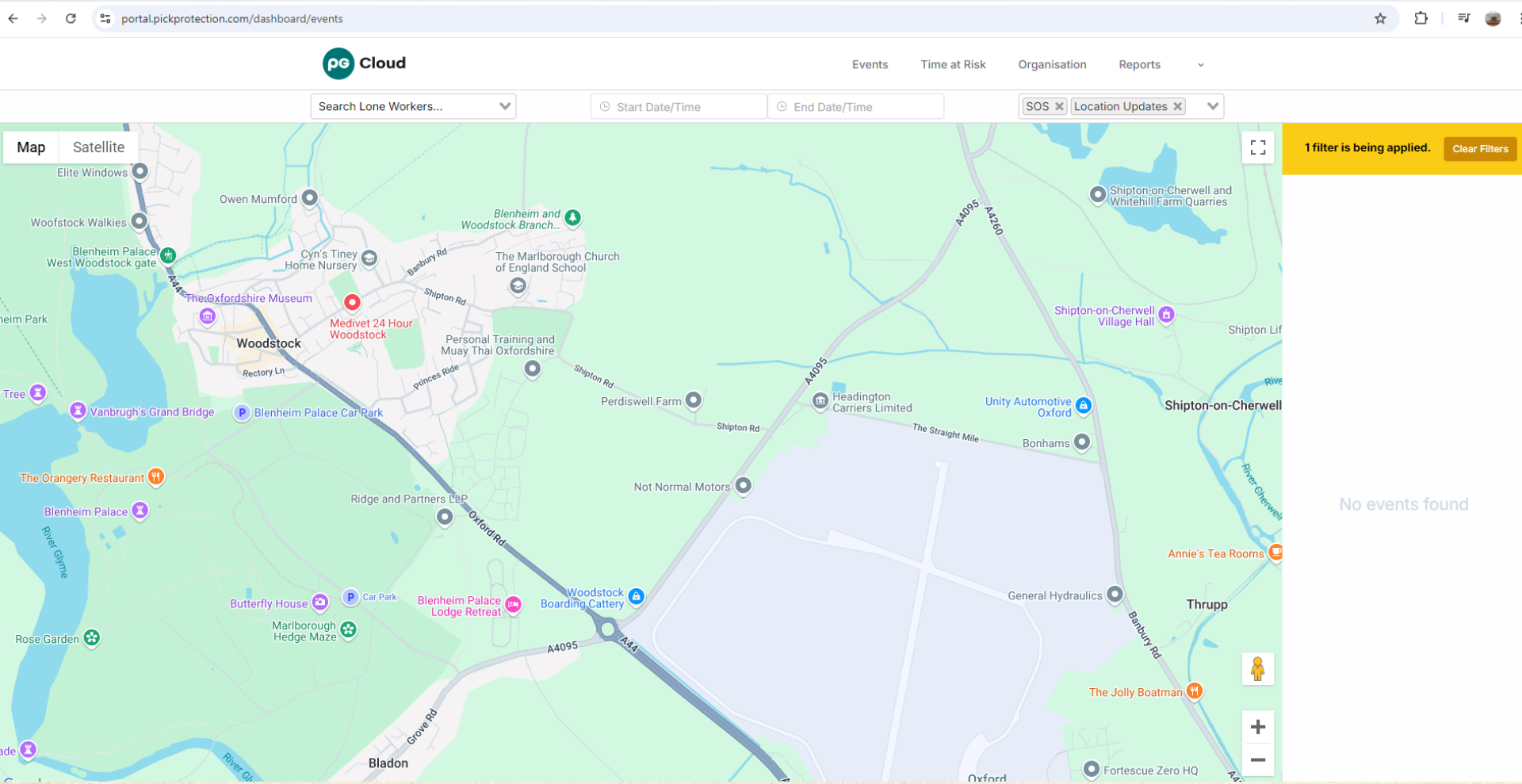
- Combines
- Machine compatibility?

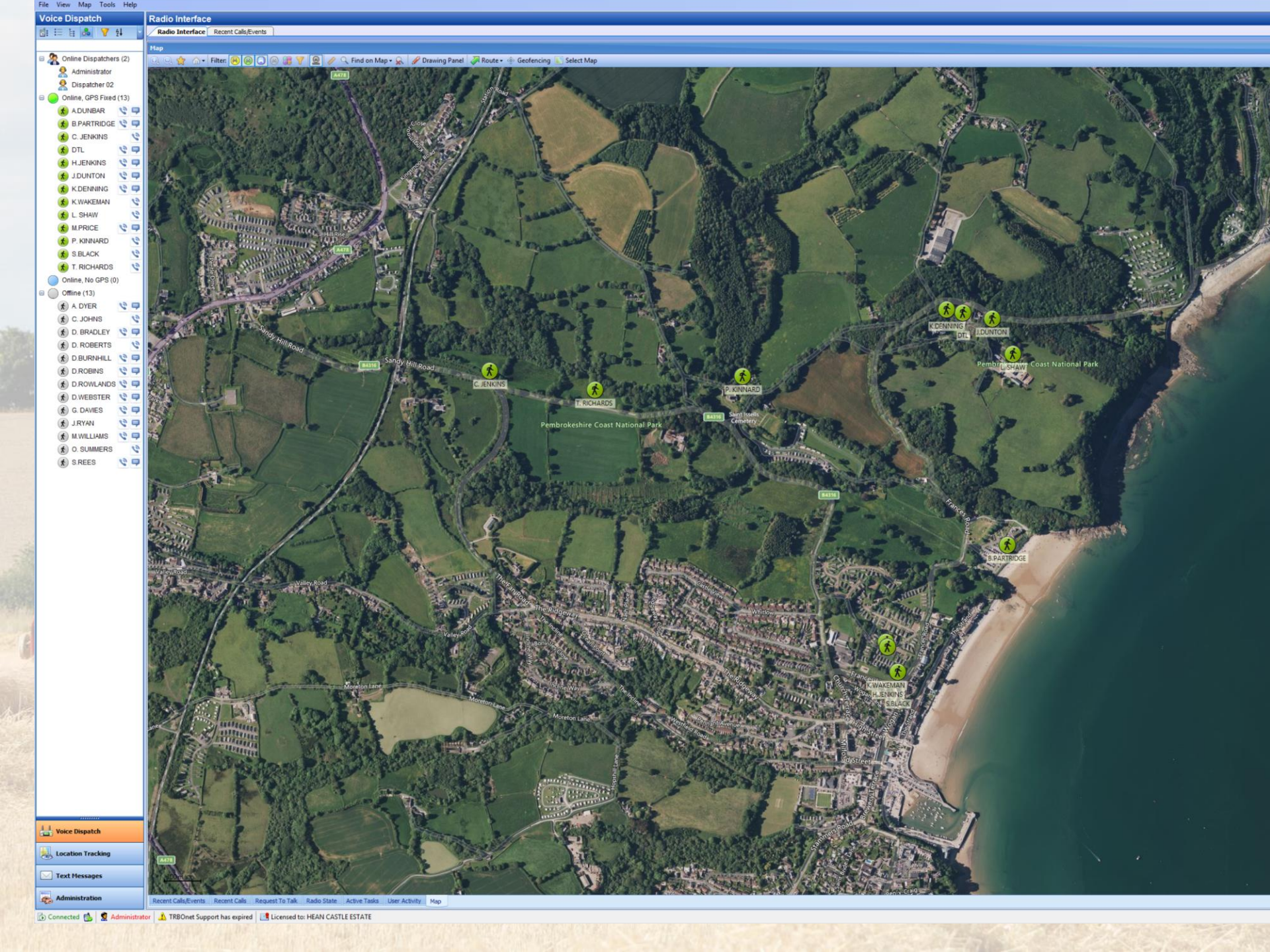
DataConnect

All your machines in one cloud.

Just what your mixed machinery fleet has been waiting for. DataConnect created by CLAAS, John Deere, CNH and 365FarmNet is the first direct, multi-manufacturer and industry-wide open cloud-to-cloud solution.


Operations Center: Map
New
Agritechnica 2019
Equipment
Name
COMBINE
1
FORAGE HARVESTER
2
JAGUAR 950
John Deere 8500i
TRACTOR
4
ARION 650
ARION 660
John Deere 6230R
John Deere 6250R
Map
Satellite
JAGUAR 950
49899
DataConnect: CLAAS to John Deere
Location as of
May 22, 2020 9:48 AM
SPEED
FUEL LEVEL
HEADING
5
83%
KM/H
N


portal.pickprotection.com/dashboard/events
Cloud
Events
Time at Risk
Organisation
Reports
Search Lone Workers...
Start Date/Time
End Date/Time
SOS
Location Updates
Map
Satellite
1 filter is being applied.
Clear Filters
No events found
Elite Windows
Owen Mumford
Woofstock Walkies
Blenheim Palace West Woodstock gate
Cyn's Tiney Home Nursery
Blenheim and Woodstock Branch...
The Marlborough Church of England School
Banbury Rd
Shipton Rd
The Oxfordshire Museum
Medivet 24 Hour Woodstock
Woodstock
Rectory Ln
Princes Ride
Personal Training and Muay Thai Oxfordshire
Perdiswell Farm
Vanbrugh's Grand Bridge
Blenheim Palace Car Park
The Orangery Restaurant
Blenheim Palace
Ridge and Partners LLP
Oxford Rd
Not Normal Motors
Butterfly House
Car Park
Blenheim Palace Lodge Retreat
Woodstock Boarding Cattery
Marlborough Hedge Maze
Rose Garden
A4095
A44
Grove Rd
Bladon
River Glyme
A4260
Shipton-on-Cherwell and Whitehill Farm Quarries
Shipton-on-Cherwell Village Hall
Headington Carriers Limited
Unity Automotive Oxford
Shipton-on-Cherwell
The Straight Mile
Bonhams
River Cherwell
Annie's Tea Rooms
General Hydraulics
Thrupp
The Jolly Boatman
Fortescue Zero HQ
Oxford


File View Map Tools Help
Voice Dispatch
Online Dispatchers (2)
Administrator
Dispatcher 02
Online, GPS Fixed (13)
A.DUNBAR
B.PARTRIDGE
C. JENKINS
DTL
H.JENKINS
J.DUNTON
K.DENNING
K.WAKEMAN
L. SHAW
M.PRICE
P. KINNARD
S.BLACK
T. RICHARDS
Online, No GPS (0)
Offline (13)
A. DYER
C. JOHNS
D. BRADLEY
D. ROBERTS
D.BURNHILL
D.ROBINS
D.ROWLANDS
D.WEBSTER
G. DAVIES
J.RYAN
M.WILLIAMS
O. SUMMERS
S.REES
Voice Dispatch
Location Tracking
Text Messages
Administration
Radio Interface
Radio Interface
Recent Calls/Events
Map
Filter:
Find on Map
Drawing Panel
Route
Geofencing
Select Map
Sandy Hill Road
Pembrokeshire Coast National Park
Saint Issells Cemetery
Valley Road
Moreton Lane
The Ridgeway
Frances Road
Recent Calls/Events
Recent Calls
Request To Talk
Radio State
Active Tasks
User Activity
Map
Connected
Administrator
TRBOnet Support has expired
Licensed to: HEAN CASTLE ESTATE

EFFICIENT REMOTE MONITORING SOLUTIONS FOR AGRICULTURAL TANK LEVELS

By admin Posted May 16, 2024

In the agricultural sector, precise tank-level monitoring is pivotal for resource management and operational safety. Enter the LevelPro Sentinel Telemetry Tank Monitoring sensors from Icon Process Controls, offering cutting-edge solutions for remote tank level monitoring. Let's explore how these telemetry tank sensors operate, their features, benefits, and their specific applications in agriculture.

How Telemetry Tank Sensors Operate

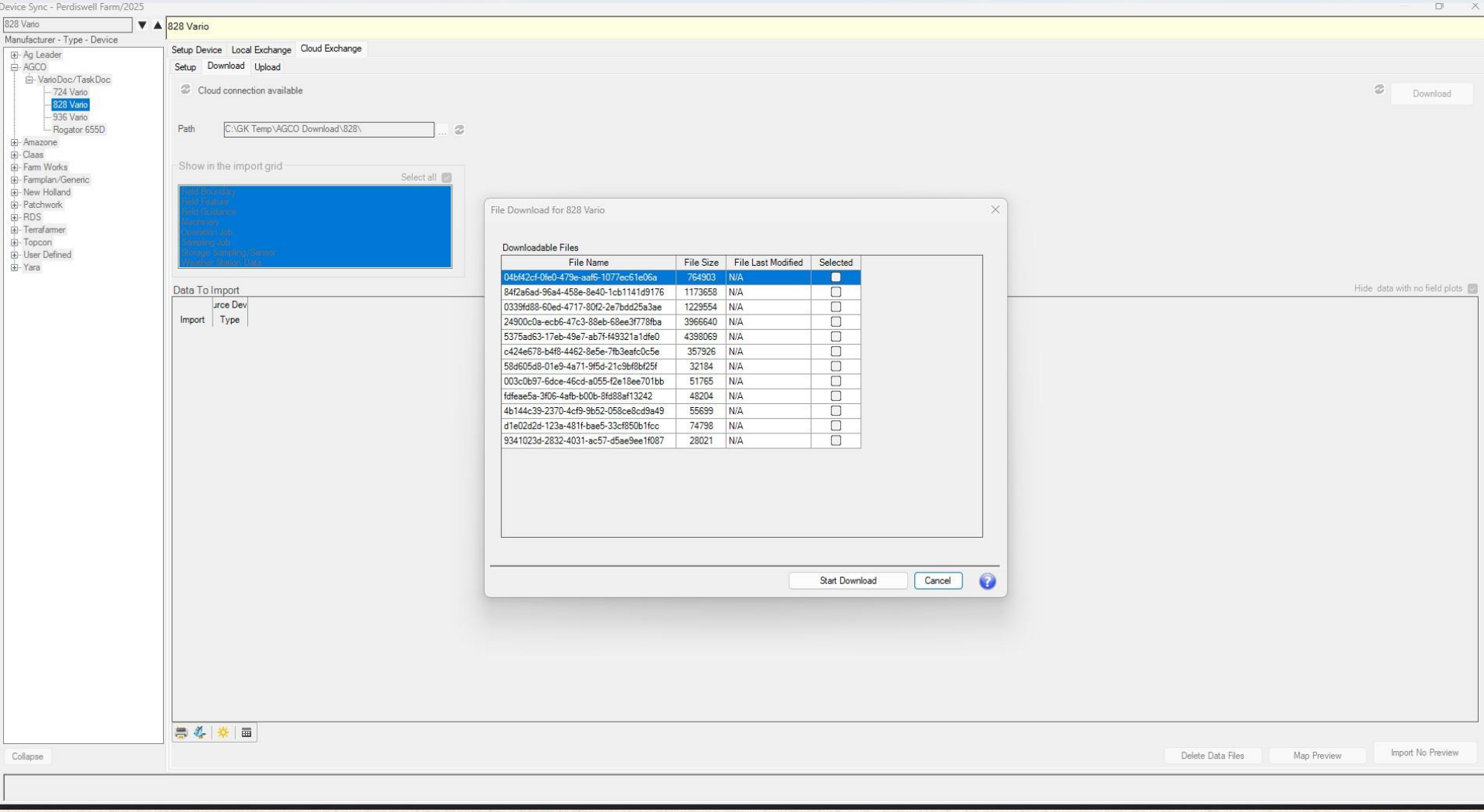
Telemetry tank sensors are engineered to remotely oversee and report liquid levels within tanks. Here's a closer look at their functionality:

- Sensor Placement: Sensors are strategically positioned within or on the tank to gauge the liquid level. Depending on the application, these sensors can be submersible or externally mounted.
- Data Collection: These sensors collect vital data on liquid levels, sometimes including additional parameters like temperature or pressure.
- Signal Transmission: The collected data is transmitted wirelessly via a cellular network to a central monitoring system.
- Data Processing: The central system processes and converts the received data into readable formats such as liquid level measurements and alarm notifications.
- Remote Access: Users can access real-time data through a cloud-based platform, enabling remote monitoring from any location via computer, tablet, or smartphone.

Cost £££££££

- Amazon prime - £8.99/month
- Gym membership - £25-£50/month
- Netflix - £10.99/month
- Machine telematics - £5-£15/month – 15 machines £1800/year

- JD link – no subs
- Claas Telematics - £800/year


Device Sync - Perdiswell Farm/2025
828 Vario
Manufacturer - Type - Device
Ag Leader
AGCO
VarioDoc/TaskDoc
724 Vario
828 Vario
936 Vario
Rogator 655D
Amazone
Claas
Farm Works
Farmplan/Generic
New Holland
Patchwork
RDS
Terrafarmer
Topcon
User Defined
Yara
828 Vario
Setup Device
Local Exchange
Cloud Exchange
Setup
Download
Upload
Cloud connection available
Download
Path
C:\GK Temp\AGCO Download\828\
Show in the import grid
Select all
Data To Import
Import
Type
Hide data with no field plots
Collapse
Delete Data Files
Map Preview
Import No Preview
File Download for 828 Vario
Downloadable Files
File Name
File Size
File Last Modified
Selected
04bf42cf-0fe0-479e-aaf6-1077ec61e06a 764903 N/A
84f2a6ad-96a4-458e-8e40-1cb1141d9176 1173658 N/A
0339fd88-60ed-4717-80f2-2e7bdd25a3ae 1229554 N/A
24900c0a-ecb6-47c3-88eb-68ee3f778fba 3966640 N/A
5375ad63-17eb-49e7-ab7f-f49321a1dfe0 4398069 N/A
c424e678-b4f8-4462-8e5e-7fb3eafc0c5e 357926 N/A
58d605d8-01e9-4a71-9f5d-21c9bf8bf25f 32184 N/A
003c0b97-6dce-46cd-a055-f2e18ee701bb 51765 N/A
fdfeae5a-3f06-4afb-b00b-8fd88af13242 48204 N/A
4b144c39-2370-4cf9-9b52-058ce8cd9a49 55699 N/A
d1e02d2d-123a-481f-bae5-33cf850b1fcc 74798 N/A
9341023d-2832-4031-ac57-d5ae9ee1f087 28021 N/A
Start Download
Cancel

Device Sync - Perdiswell Farm/2025

828 Vario

828 Vario

Manufacturer - Type - Device

- Ag Leader
- AGCO
  - VarioDoc/TaskDoc
    - 724 Vario
    - 828 Vario
    - 936 Vario
    - Rogator 655D
- Amazone
- Claas
- Farm Works
- Farmplan/Generic
- New Holland
- Patchwork
- RDS
- Terrafarmer
- Topcon
- User Defined
- Yara

Collapse

Setup Device | Local Exchange | Cloud Exchange

Setup | Download | Upload

Cloud connection available

Download

Path C:\GK Temp\AGCO Download\828\

Show in the import grid

Select all

- Field Boundary
- Field Feature
- Field Guidance
- Machinery
- Operation Job
- Sampling Job
- Storage Sampling/Sensor
- Weather Station Data

Data To Import

Hide data with no field plots

Map Preview	Import	Gatekeeper Destination: Module	Plan	Job	Field	Source Device: Type	Job	Field	Field Group	Field Plots
☐	☐	Planning	New Plan	New Job	12	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	S Campsfield	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	Polar	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	Pits	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	Burleigh 1	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	Bungalow	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	Bomb Dump 02	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	Bomb Dump 01	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	Allotments	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	8	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	7	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	6	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	5	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	4	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	36	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	35	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	34	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	33	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	31+32	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	22	Operation Job	Swift	33		47415
☐	☐	Planning	New Plan	New Job	21	Operation Job	Swift	33		47415
☐	☐	N/A	N/A	N/A	33	Field Boundary	N/A	33	Purwell Farm	N/A
☐	☐	N/A	N/A	N/A	33	Field Guidance	N/A	33	Purwell Farm	N/A
☐	☐	Planning	New Plan	New Job	21	Operation Job	Maize rolling	Burleigh		484
☐	☐	N/A	N/A	N/A		Field Boundary	N/A	Burleigh		N/A
☐	☐	N/A	N/A	N/A		Field Guidance	N/A	Burleigh		N/A
☐	☐	Planning	New Plan	New Job	30	Operation Job	Purwell maize rolling	Burleigh 1		1557

CAUTION changes made to EXISTING boundaries affect all years using that field region (see Cropping Planner)

Delete Data Files | Map Preview | Import No Preview

This device is still in development and is included for field testing and evaluation purposes only

OK | Cancel | Save

Planning Record Work Done

294 Hybrid Seed Drilling 05/10/2022

Job 01 01294 Hybrid Seed Drillin-Job 01

- Fields
  - Coopers
  - Footpath
  - Henyard
  - Motox
  - Slad
  - Slade Drive
- Vaderstad Drill
  - SY Nephin (75.690)
- Complex Product Allocation

Job 01 01294 Hybrid Seed Drillin-Job 01

Field Operation - Completed

<< Previous Job | Add Job >>

Field	Target Area ha	Start Date	Start Time	Finish Date	Finish Time	Interrupted	Completed Area ha	Completed Operator
Coopers	11.40	06/10/2022	11:11	06/10/2022	13:34	☐	11.40	Sam Cherry
Footpath	14.00	05/10/2022	18:47	05/10/2022	21:04	☐	14.00	Sam Cherry
Henyard	15.10	05/10/2022	01:00	05/10/2022	01:00	☐	15.10	Sam Cherry
Motox	17.00	05/10/2022	14:59	05/10/2022	18:07	☐	17.00	Sam Cherry
Slad	9.00	06/10/2022	17:27	06/10/2022	19:02	☐	9.00	Sam Cherry
Slade Drive	2.20	05/10/2022	18:26	05/10/2022	18:47	☐	2.20	Sam Cherry

Select Fields | Add Work Records | Delete Work Record | Delete All Work

Split Job | Target job area: 68.70

☑ Block job together as a group

Tractor unit: Fendt 828

Implement: Vaderstad Drill

Setting: Standard Setting

Associated Machinery Cost

Vaderstad Drill

Target cost / ha: 28.00

Heading	Product	Units	Target Rate	Target Quantity	Target Cost per ha	Used Rate	Used Quantity	Used Wastage	Used Total Quantity	Pricing Type
Seed / Plants	SY Nephin	kg	75.690	5199.903	0.00	75.691	5200.000	0.000	5200.000	Stock

Select Products

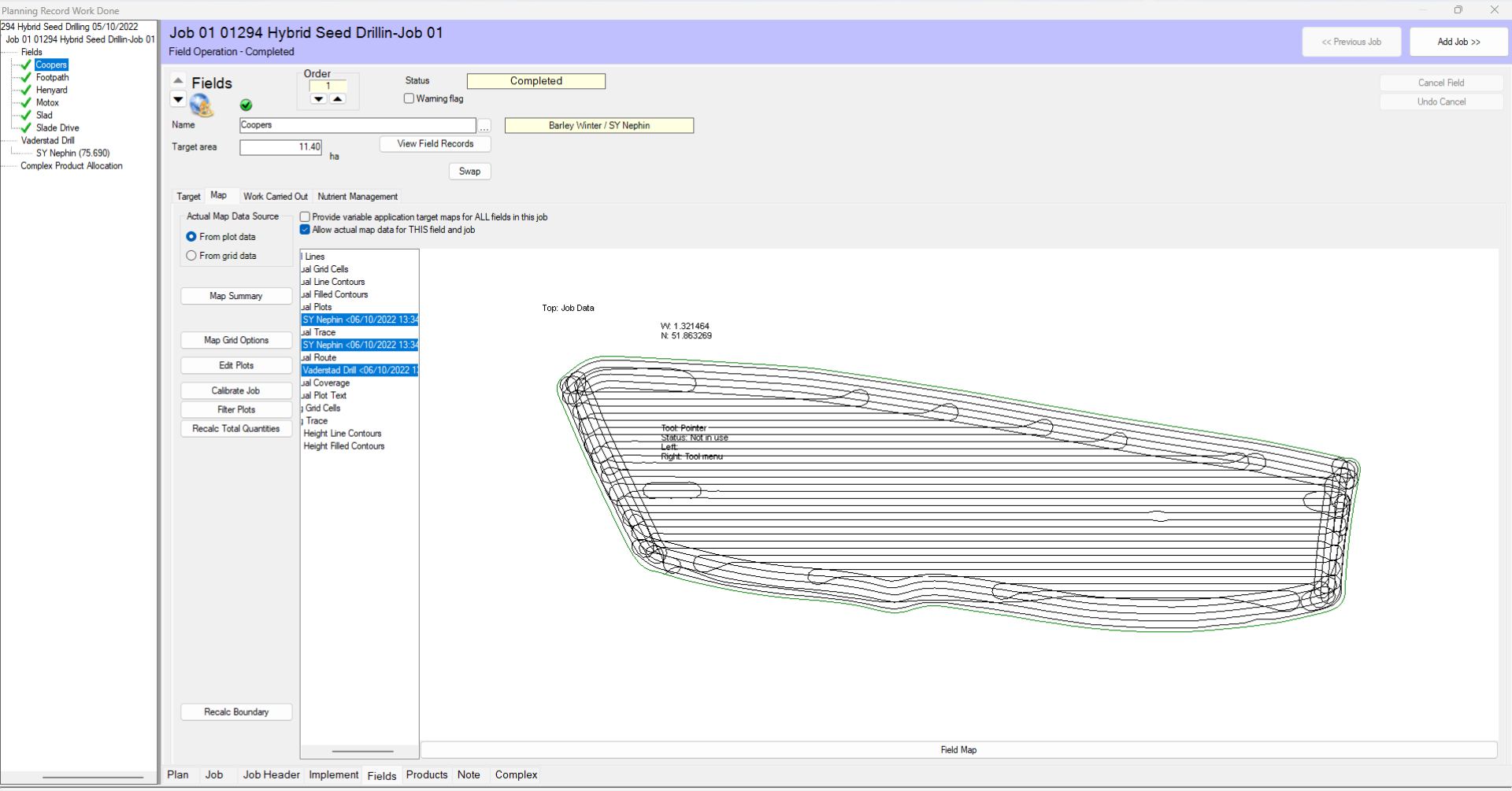
Job total target cost: 28.00 GBP/ha

Job is in complex proportion mode so edit quantities used in the Complex tab

Plan | Job | Job Header | Implement | Fields | Products | Note | Complex

Collapse | Expand

Re-Verify Job | OK | Cancel | Save



Fuel use?

Efficiency?

⚠ Not able to fetch task reports now. Please try again after sometime.

⚠ Unable to retrieve machines now. Please try again later.

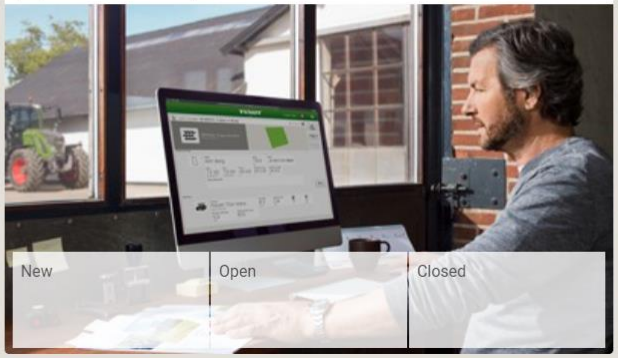
Machines

Task Doc: Create task

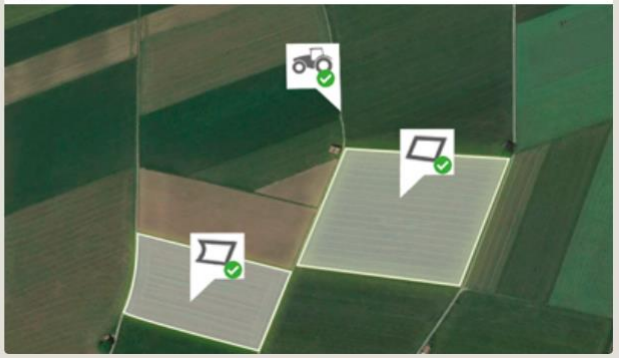
Fields

Team

Task Doc: Reports



Map+



Reports: **Trenches field 23**

Task details

Field and Task

Field	Area	Crop	Start	End
23	11.14 ha	Wheat Winter	12:34 18/09/2024	14:38 18/09/2024

Machines

Fendt 828 Vario S4	VIN	Total Area	Effective Total Distance	Ineffective Total Distance	Effective Total Time
Fendt Vario Tractor	842231505	1.961 ha	4.90 km	1.79 km	00:51:48 hh:mm:ss

Ineffective Total Time	Effective Total Diesel Exhaust Fluid Consumption	Ineffective Total Diesel Exhaust Fluid Consumption	
01:11:47 hh:mm:ss	6.54 dl	2.58 dl	30.35 l

Implement

Planning Record Work Done

0935 Perd WW 2nd N 31/03/2021
Job 01 00935 Perd WW 2nd N-Job 01
Fields
100 Acre
Bomb Dump
Coopers
Henyard
Langford Lane
Shipton Halt
South Bank
Stream
Amazone ZA-TS
Yara Extran 33.5% (0.238)
Complex Product Allocation
Job 02 00935 Perd WW 2nd N-Job 02

Job 01 00935 Perd WW 2nd N-Job 01

Field Operation - Completed

Add Job | << Previous Job | Next Job >>

Field	Target Area ha	Start Date	Start Time	Finish Date	Finish Time	Interrupted	Completed Area ha	Completed Operator
100 Acre	44.60	01/04/2021	00:00	01/04/2021	00:00	☐	44.60	Sam Cherry
Bomb Dump	34.50	31/03/2021	00:00	31/03/2021	00:00	☐	34.50	James Price
Coopers	11.40	09/04/2021	09:11	09/04/2021	09:43	☐	11.40	Sam Cherry
Henyard	17.50	09/04/2021	09:44	09/04/2021	10:24	☐	17.50	Sam Cherry
Langford Lane	7.20	01/04/2021	00:00	01/04/2021	00:16	☐	7.20	James Price
Shipton Halt	6.85	01/04/2021	00:16	01/05/2021	00:31	☐	6.85	James Price
South Bank	11.75	09/04/2021	10:37	09/04/2021	11:02	☑	11.75	Sam Cherry
	11.75	09/04/2021	11:02	09/04/2021	11:03	☐	0.00	Sam Cherry
Stream	3.90	09/04/2021	13:20	09/04/2021	13:23	☐	3.90	Sam Cherry

Select Fields | Add Work Records | Delete Work Record | Delete All Work

Split Job | Target job area 137.70

☐ Block job together as a group

Tractor unit: Fendt 724
Implement: Amazone ZA-TS
Setting: Standard Setting

Associated Machinery Cost
Fert Spread
Target cost / ha 7.00

Heading	Product	Units	Target Rate	Target Quantity	Target Cost per ha	Used Rate	Used Quantity	Used Wastage	Used Total Quantity	Used Pricing Type
Fertiliser	Yara Extran 33.5%	t	0.238	32.773	47.92	0.238	32.718	0.000	32.718	Stock

Select Products

Job total target cost 54.92 GBP/ha

Job is in complex proportion mode so edit quantities used in the Complex tab

Plan | Job | Job Header | Implement | Fields | Products | Note | Complex

Collapse | Expand

Re-Verify Job | OK | Cancel | Save

Planning Record Work Done

0935 Perd WW 2nd N 31/03/2021
Job 01 00935 Perd WW 2nd N-Job 01
Fields
100 Acre
Bomb Dump
Coopers
Henyard
Langford Lane
Shipton Halt
South Bank
Stream
Amazone ZA-TS
Yara Extran 33.5% (0.238)
Complex Product Allocation
Job 02 00935 Perd WW 2nd N-Job 02

Job 01 00935 Perd WW 2nd N-Job 01

Field Operation - Completed

Add Job | << Previous Job | Next Job >>

Fields

Order 7

Status: Completed

Warning flag

Cancel Field | Undo Cancel

Name: South Bank ... Wheat Winter / Skyfall

Target area: 11.75 ha

View Field Records

Swap

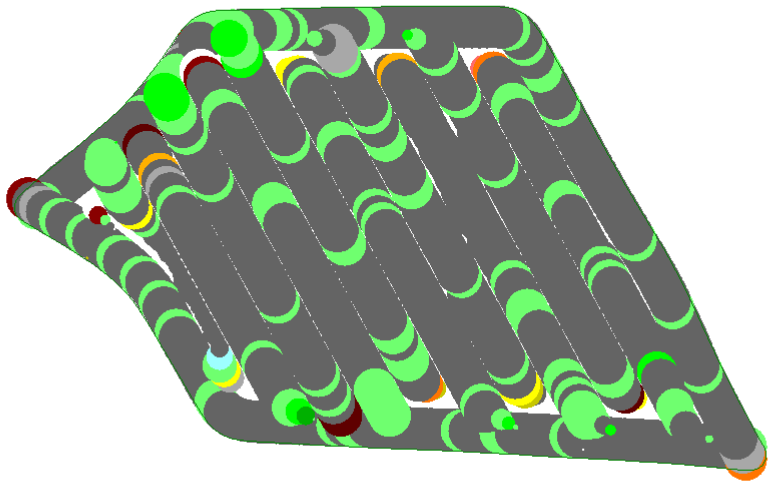
Target | Map | Work Carried Out | Nutrient Management

Actual Map Data Source
- From plot data
- From grid data

Provide variable application target maps for ALL fields in this job
Allow actual map data for THIS field and job

Map Summary
Map Grid Options
Edit Plots
Calibrate Job
Filter Plots
Recalc Total Quantities
Recalc Boundary

l Lines
ual Grid Cells
ual Line Contours
ual Filled Contours
ual Plots
Yara Extran 33.5% <09/04/202
Yara Extran 33.5% <09/04/202
ual Trace
ual Route
ual Coverage
ual Plot Text
g Grid Cells
g Trace
Height Line Contours
Height Filled Contours

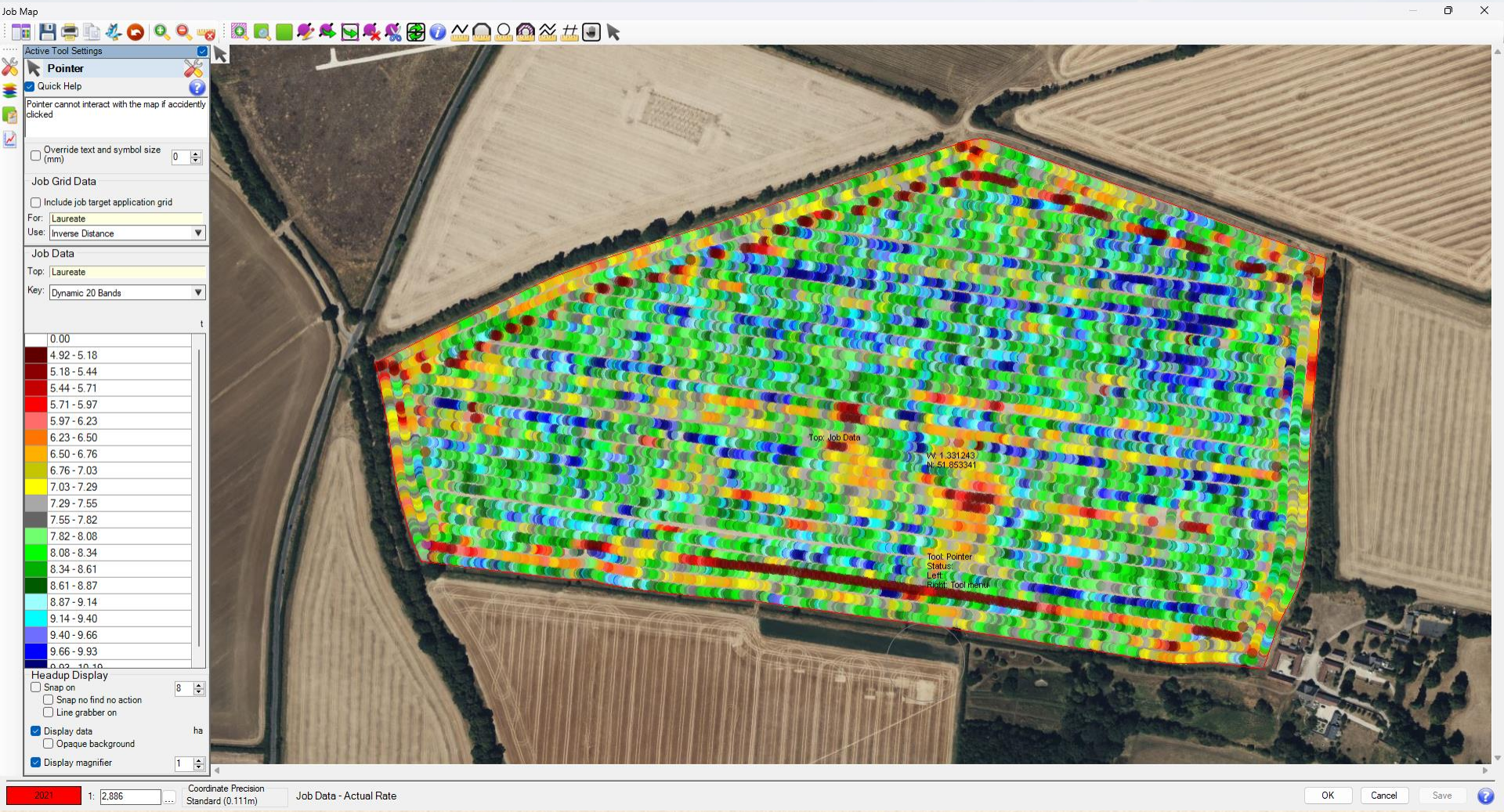


Field Map

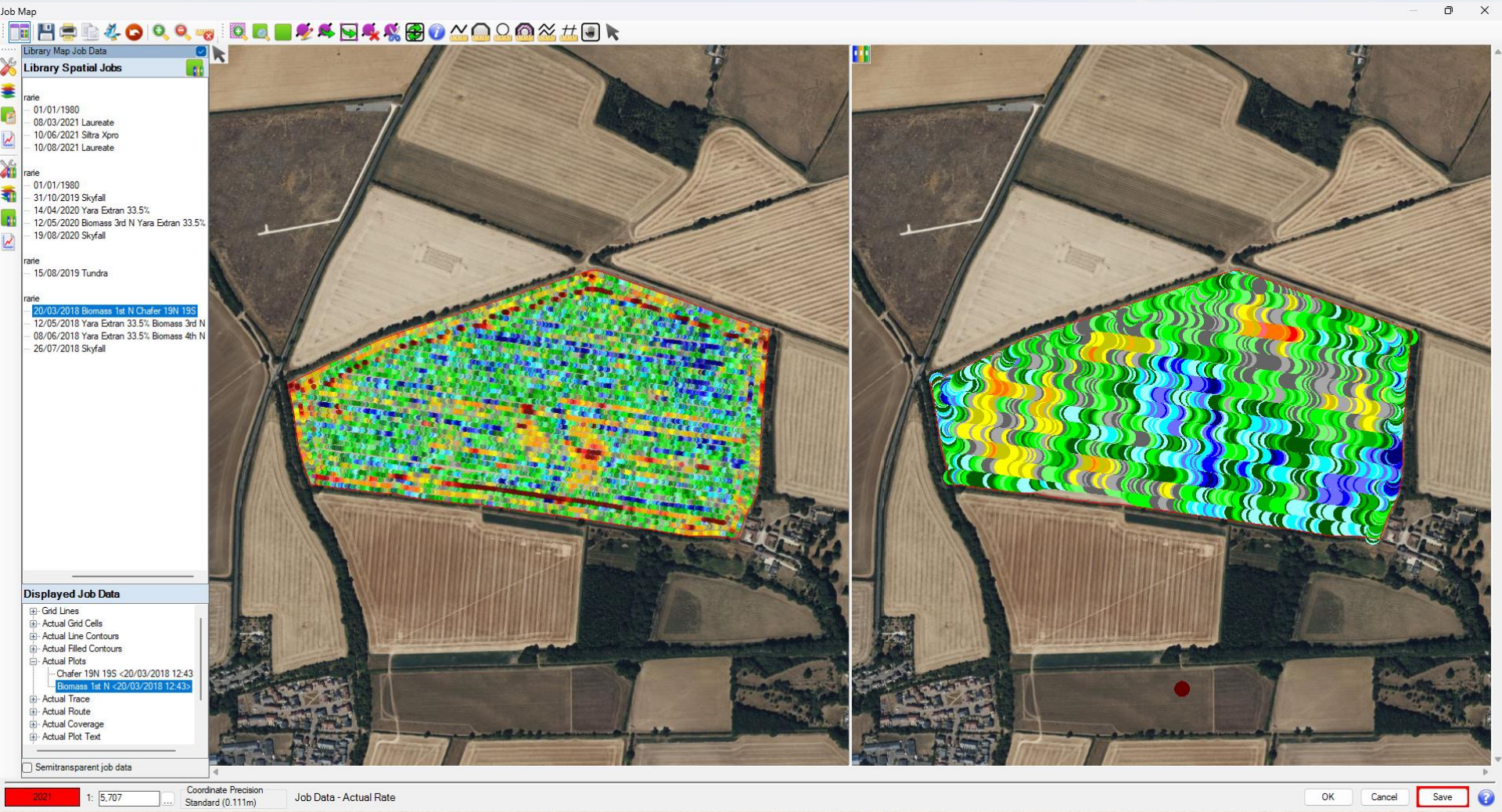
Plan | Job | Job Header | Implement | Fields | Products | Note | Complex

Collapse | Expand

Re-Verify Job | OK | Cancel | Save


Job Map
Active Tool Settings
Pointer
Quick Help
Pointer cannot interact with the map if accidently clicked
Override text and symbol size (mm)
Job Grid Data
Include job target application grid
For: Laureate
Use: Inverse Distance
Job Data
Top: Laureate
Key: Dynamic 20 Bands
t
0.00
4.92 - 5.18
5.18 - 5.44
5.44 - 5.71
5.71 - 5.97
5.97 - 6.23
6.23 - 6.50
6.50 - 6.76
6.76 - 7.03
7.03 - 7.29
7.29 - 7.55
7.55 - 7.82
7.82 - 8.08
8.08 - 8.34
8.34 - 8.61
8.61 - 8.87
8.87 - 9.14
9.14 - 9.40
9.40 - 9.66
9.66 - 9.93
Headup Display
Snap on
Snap no find no action
Line grabber on
Display data
Opaque background
ha
Display magnifier
Top: Job Data
W: 1.331243
N: 51.853341
Tool: Pointer
Status:
Left:
Right: Tool menu
2021
1: 2,886
Coordinate Precision
Standard (0.111m)
Job Data - Actual Rate
OK
Cancel
Save

Carbon


Job Map
Library Map Job Data
Library Spatial Jobs
rarie
01/01/1980
08/03/2021 Laureate
10/06/2021 Siltra Xpro
10/08/2021 Laureate
rarie
01/01/1980
31/10/2019 Skyfall
14/04/2020 Yara Extran 33.5%
12/05/2020 Biomass 3rd N Yara Extran 33.5%
19/08/2020 Skyfall
rarie
15/08/2019 Tundra
rarie
20/03/2018 Biomass 1st N Chafer 19N 19S
12/05/2018 Yara Extran 33.5% Biomass 3rd N
08/06/2018 Yara Extran 33.5% Biomass 4th N
26/07/2018 Skyfall
Displayed Job Data
Grid Lines
Actual Grid Cells
Actual Line Contours
Actual Filled Contours
Actual Plots
Chafer 19N 19S <20/03/2018 12:43
Biomass 1st N <20/03/2018 12:43>
Actual Trace
Actual Route
Actual Coverage
Actual Plot Text
Semitransparent job data
2021
1: 5,707
Coordinate Precision
Standard (0.111m)
Job Data - Actual Rate
OK
Cancel
Save

Machinery


THE KISS PRINCIPLE
KEEP
IT
SIMPLE,
STUPID


MEGANT
DEGENHART
CLAAS

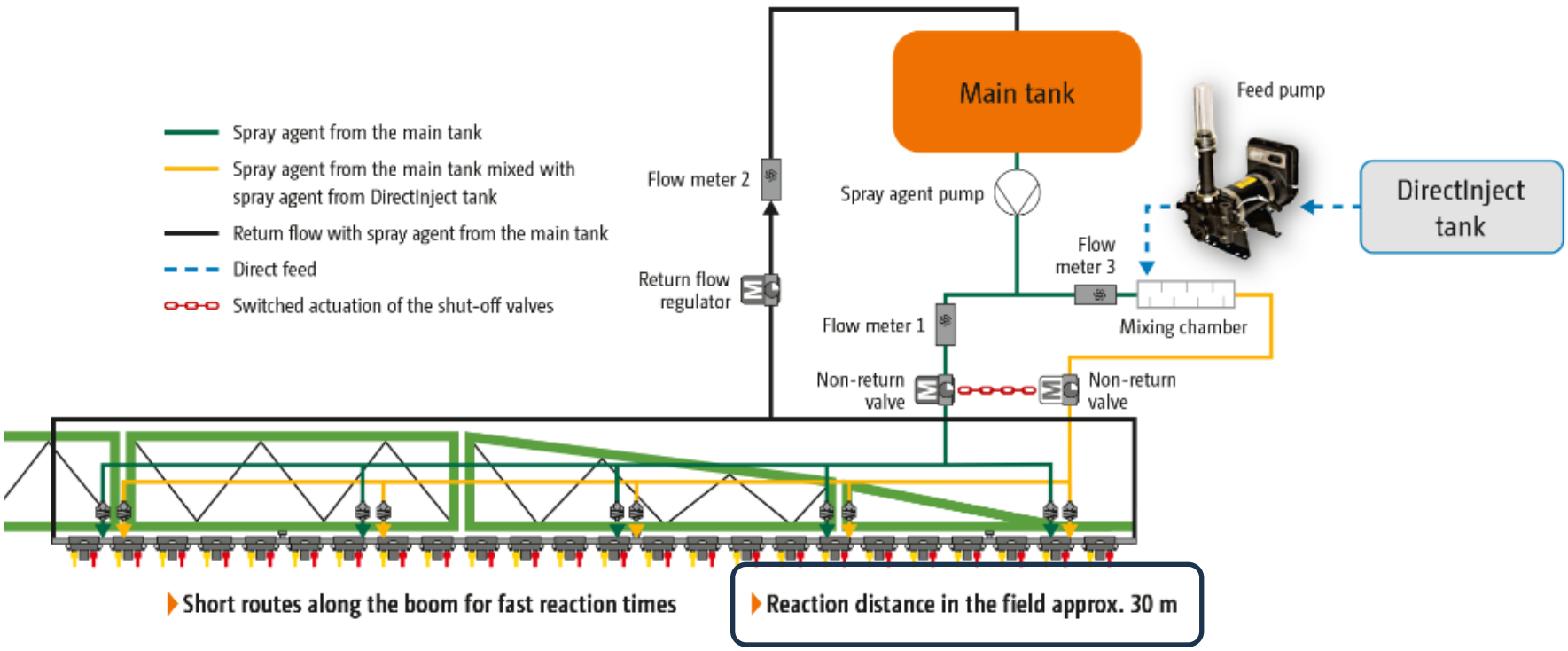

19154
Info+ QuickJump
Info+ Hydraulic Valves
Exhaust after treatment
Soot loading
Info+ Fuel Consumption
0.0
0.00 gal/h
Ø
3.0
0.1 gal/h
Σ1
28
0.5 gal
Σ2
28
0.8 gal
0ft 0.00in
Last stand still regeneration was proceeded before 12 hours.
FENDT
OK


A070 CFM
MURRAY

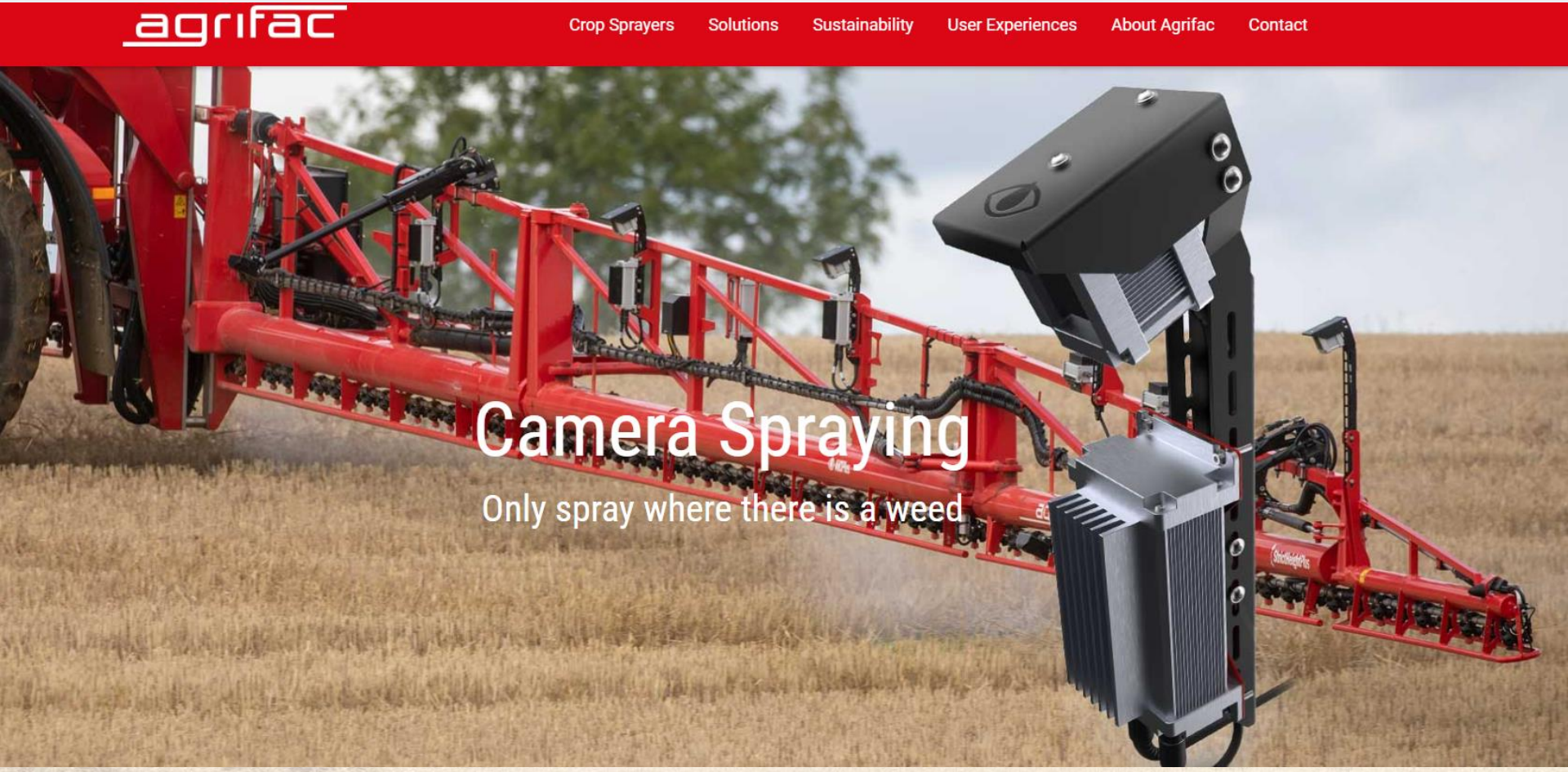
Toolboxes

GPS security

Direct Injection

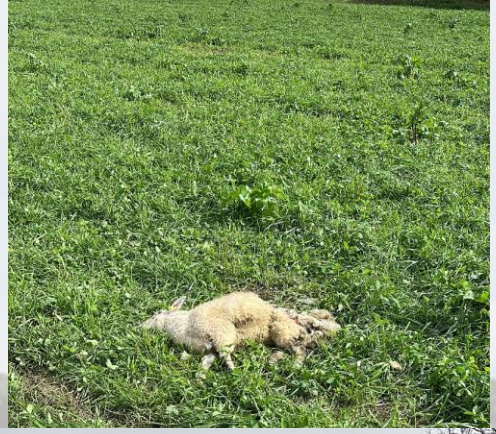


Green on green camera control + weed mapping




CLAAS


Bicester A 4095
Oxford
Evesham
Stratford
(A 3400)



Thank you

James Price
T: 07970 020403
E: James@perdiswellfarm.co.uk

@realfarmerprice

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