



Cropwise
Operations

How to use Cropwise Operations?

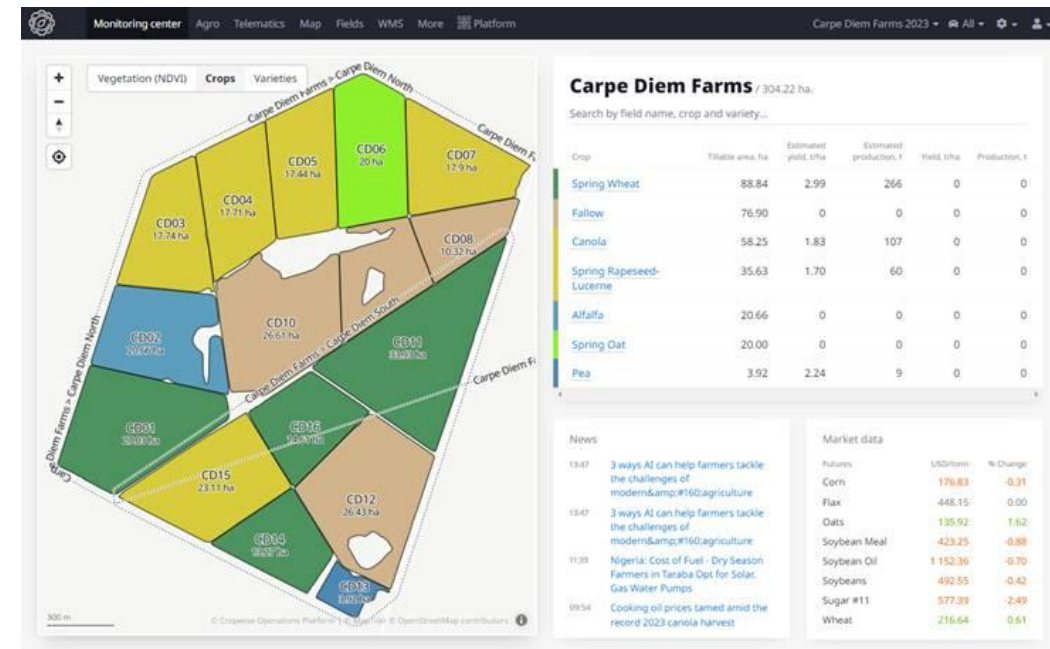
Cropwise 101

1. Adding field boundaries

- Our team helps to draw in your field boundaries from a printed or digital map (shp & kml), or by integrating with another platform.
- As soon as a field boundary is drawn, satellite images, weather and soil information are automatically obtained for the field.

2. Linking your crop rotation

- You can link your crop rotation using "Fields" > "Crop rotation", or ask us to update it for you with an easy upload of your current records.
- The crop rotation is needed for Cropwise to estimate weekly and historical yield estimates for each field.



Fields WMS More Crop rotation

Fields list

Crop rotation

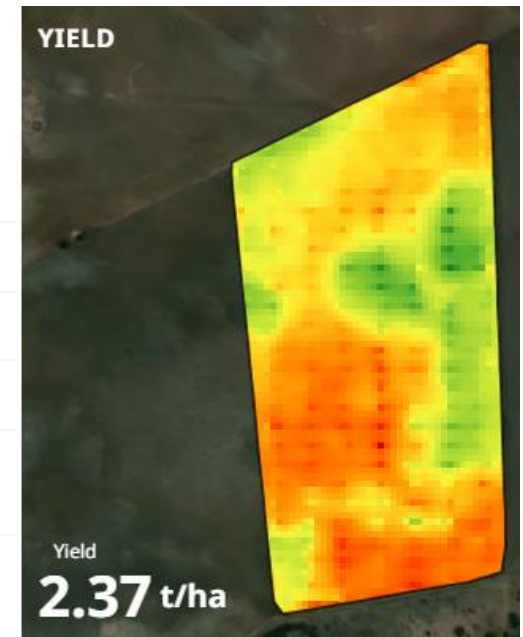
Field group	Field	Tillable area, ha	Crop 2021	Crop 2022	Crop 2023
Carpe Diem North	CD01	27.03	Alfalfa	Alfalfa	Spring Wheat
Carpe Diem North	CD02	20.66	Spring Barley	Spring Rapeseed-Lucerne	Alfalfa
Carpe Diem North	CD03	17.74	Spring Wheat	Spring Wheat	Spring Rapeseed-Lucerne
Carpe Diem North	CD04	17.71	Spring Wheat	Spring Wheat	Canola
Carpe Diem North	CD05	17.44	Spring Wheat	Spring Wheat	Canola

3. Enter your yield data and maps

- Enter each field’s yield on the field’s information sheet or the "crop rotation" tab, or ask us to update it for you with an easy upload of your current records.
- Use your yield data to compare with Cropwise’s estimates and manage each field according to its potential.
- Yield and soil analysis charts can be used for variable application charts.

Crop rotation

Year	Crop	Variety	Yield, t/ha
2025	—	—	—
2024	—	—	—
2023	Canola	—	1.8
2022	Spring Wheat	—	2.37
2021	Spring Wheat	—	2.54



Other: Weekly yield estimates

- View the **weekly yield estimate per field** under the “Yield estimation” tab within the field’s information sheet.
- Or “Agro” > “Yield forecast” for an overview of weekly yield estimates for your farm

Agro Telematics Map Fields WMS

Work planning
Agro operations

Yield Forecast

Positive yield matrix
Negative yield matrix





Cropwise
Operations

How to use Cropwise Operations?

Web Page

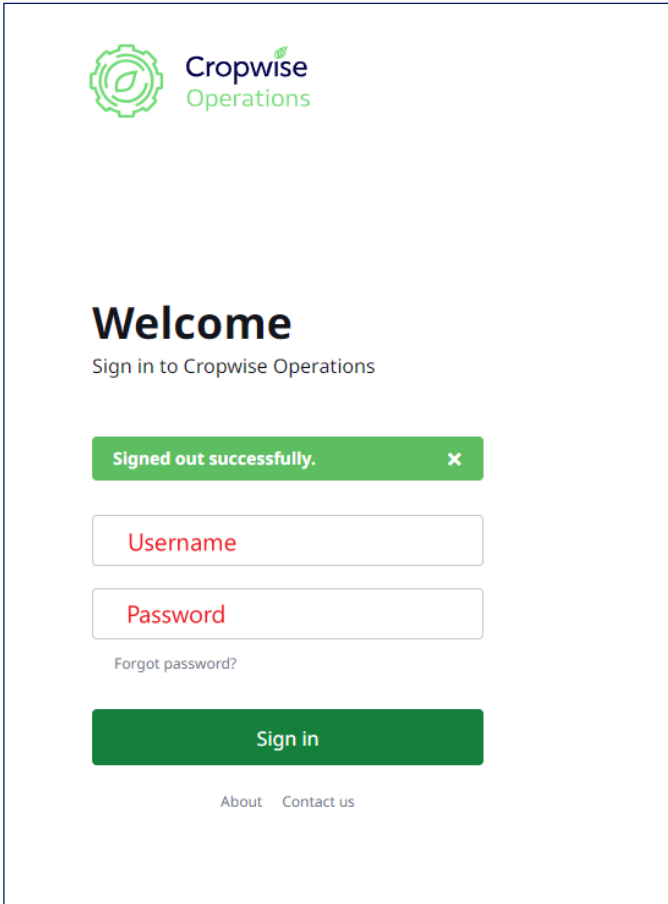
First use, Main page and Monitoring Center:

 <https://www.youtube.com/watch?v=kKf1X7IWKNo>

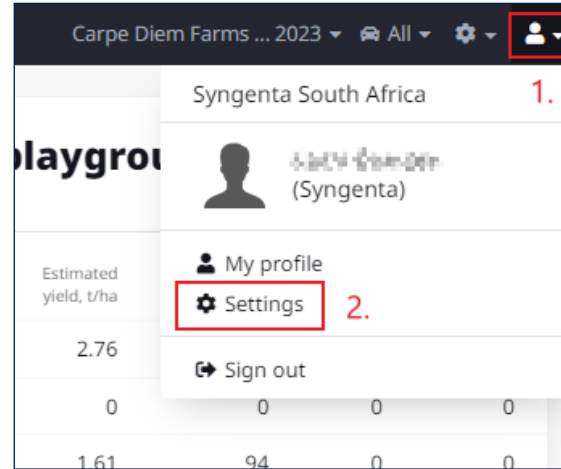
Sign in and change password

- Sign in at <https://operations.cropwise.com/>

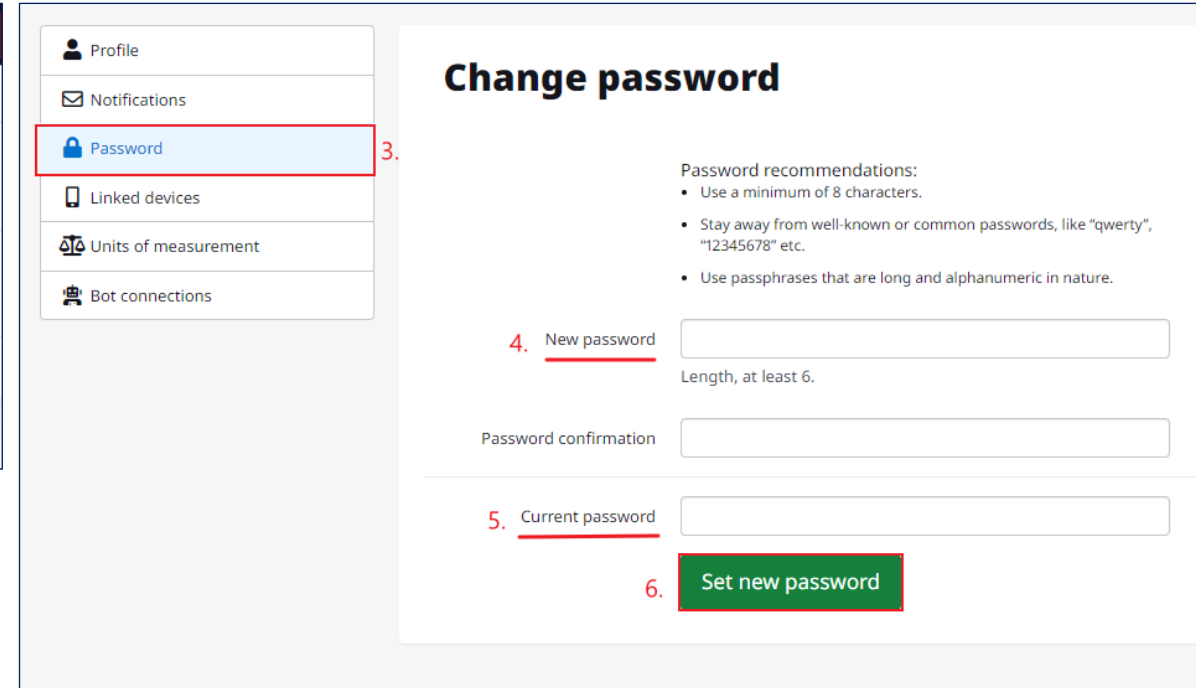
Change password:



The screenshot shows the Cropwise Operations sign-in page. At the top left is the Cropwise Operations logo. Below it, the text "Welcome" is followed by "Sign in to Cropwise Operations". A green notification bar at the top says "Signed out successfully." with a close button. There are two input fields: "Username" and "Password". Below the password field is a link for "Forgot password?". A large green "Sign in" button is at the bottom. At the very bottom, there are links for "About" and "Contact us".



The screenshot shows a user profile dropdown menu. At the top, it says "Carpe Diem Farms ... 2023" followed by icons for "All", "Settings", and a user profile icon (labeled 1.). Below this, the user's name "Syngenta South Africa" is shown with a red "1." next to it. A profile picture and the name "(Syngenta)" are also visible. The menu options are: "My profile", "Settings" (labeled 2.), and "Sign out".

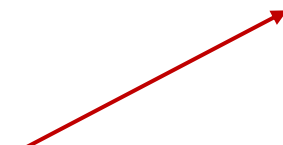


The screenshot shows the "Change password" settings page. On the left is a sidebar menu with options: "Profile", "Notifications", "Password" (labeled 3.), "Linked devices", "Units of measurement", and "Bot connections". The main content area is titled "Change password". It includes "Password recommendations" with three bullet points: "Use a minimum of 8 characters.", "Stay away from well-known or common passwords, like 'qwerty', '12345678' etc.", and "Use passphrases that are long and alphanumeric in nature." There are three input fields: "New password" (labeled 4.), "Password confirmation", and "Current password" (labeled 5.). A green "Set new password" button (labeled 6.) is at the bottom right.

Homepage and navigation

Homepage:

Indicate farm boundaries with growth index, crop type and variety.
Summary of fields by growth



Monitoring center | Agro | Telematics | Map | Fields | WMS | More | Platform

Carpe Diem Farms ... 2023 | All | Settings | User

1. **Vegetation (NDVI)** | Crops

Summary

Carpe Diem Farms (playground) / 304.22 ha.

Search by field name and variety...

Crop	Tillable area, ha	Estimated yield, t/ha	Estimated production, t	Yield, t/ha	Production, t
Spring Wheat	88.84	2.76	245	0	0
Fallow	76.90	0	0	0	0
Canola	58.25	1.61	94	0	0
Spring Rapeseed-Lucerne	35.63	1.33	47	0	0
Alfalfa	20.66	0	0	0	0
Spring Oat	20.00	0	0	0	0
Pea	3.92	2.23	9	0	0

News

- 11:06 Mauritius: Agro-Industry Minister Announces Measures to Increase Visibility of Organic Farming in Mauritius
- 10:26 Uganda: Capital Chicken - How Ugandans Lost Billions in Non-Existent Poultry Rearing Investment Scheme
- 10:00 Uganda: Lack of Reliable Data Holding Uganda's Agriculture Sector Back, Experts Say
- 08:00 Making cotton sustainable requires...

Market data

Futures	USD/tonn	% Change
Corn	177.93	-0.15
Flax	475.03	0.00
Oats	163.22	1.97
Soybean Meal	368.85	-0.85
Soybean Oil	1 218.27	-1.30
Soybeans	471.88	1.39
Sugar #11	571.22	-0.08
Wheat	206.98	0.59

© Cropwise Operations Platform | © MapTiler © OpenStreetMap contributors

Season Season 2023/2024 (2024) Season X

Field group 2

Choose the catalogs or field groups with which you will work

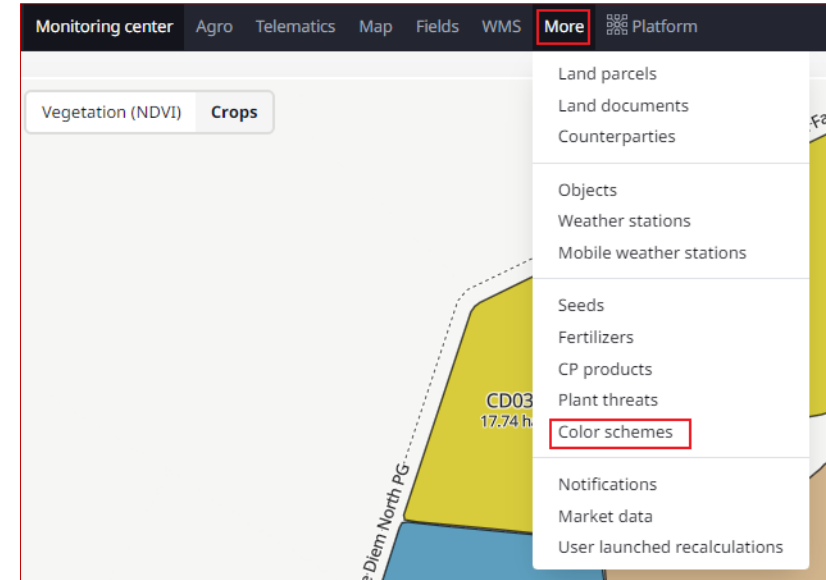
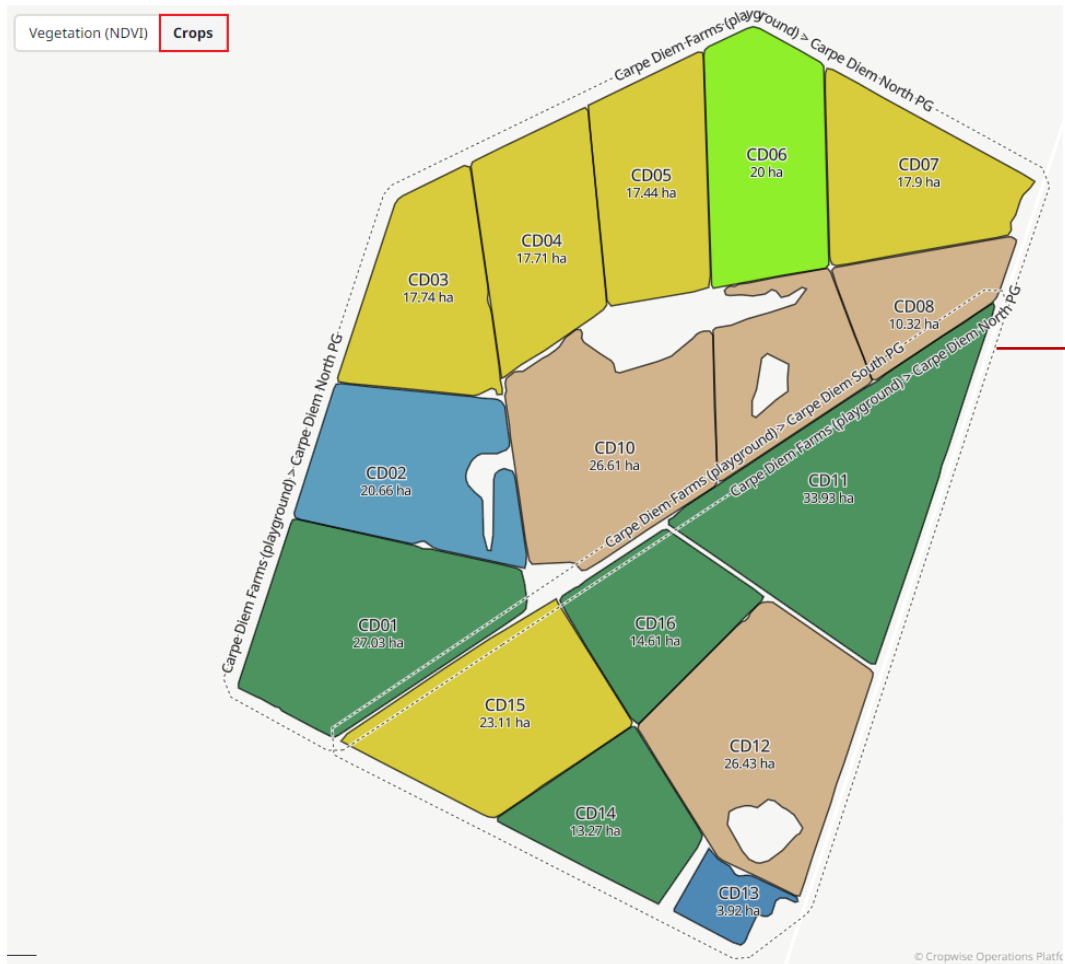
Search **Farms**

- All groups
 - Carpe Diem Farms
 - Carpe Diem North
 - Carpe Diem Potato
 - Carpe Diem South

Navigate between farms and seasons:

Apply

Alteration of crop colour scheme:



How to add new farms:

The screenshot shows the 'Few groups' dashboard with a settings menu open. The settings menu is highlighted with a red box and numbered '1.'. The menu items are: USER MANAGEMENT (1.), Users, Roles, Activity, Actions statistics, Pageviews stats, CATALOGS, Field groups (2.), Crops, Work types, Alert types, Map layers, Personal identifier, TELEMATICS, Avatars, Machine groups, GPS Loggers, and SYNGENTA SOUTH AFRICA Profile.

Crop	Tillable area, ha	Estimated yield, t/ha	Estimated production
Spring Wheat	88.84	2.99	26
Fallow	76.90	0	2.
Canola	58.25	1.83	10
Spring Rapeseed-Lucerne	35.63	1.70	6
Alfalfa	20.66	0	
Spring Oat	20.00	0	
Pea	3.92	2.24	

News

- 09:35 [South Africa's food security at risk, farmers warn](#)
- 09:35 [South Africa's food security at risk, farmers warn](#)
- 09:01 [Tanzania: Tanzania Plans Livestock Mass Vaccination](#)
- Nov 15 [Tobias Doyer appointed CEO of Grain SA](#)
- Nov 15 [Tobias Doyer appointed CEO of](#)

Market data

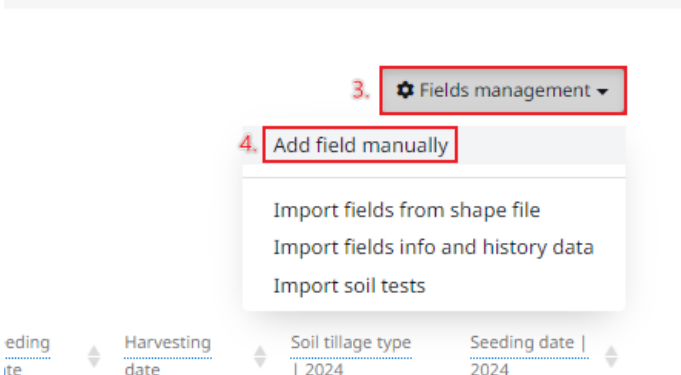
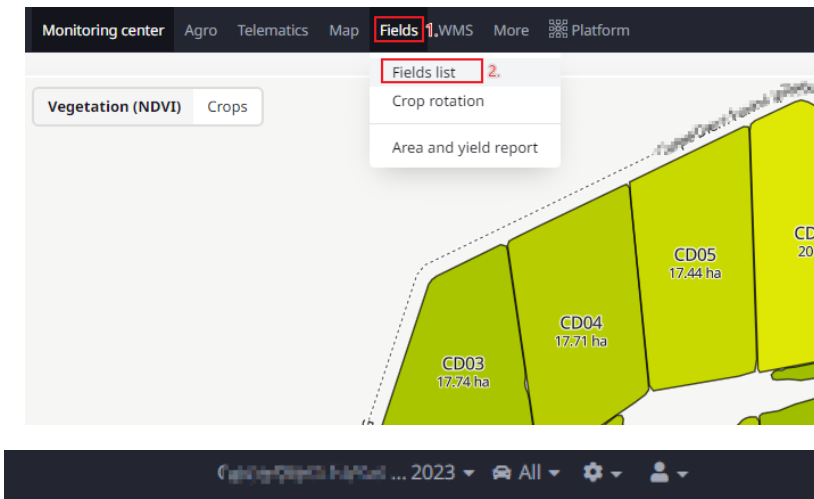
	Futures	Corn
Flax	464.38	0.00
Oats	134.41	-0.22
Soybean Meal	469.05	-0.03
Soybean Oil	1 162.28	-0.62
Soybeans	508.90	-0.04
Sugar #11	598.56	-0.18

The screenshot shows the 'New field group' form. The form fields are numbered 5 through 7:

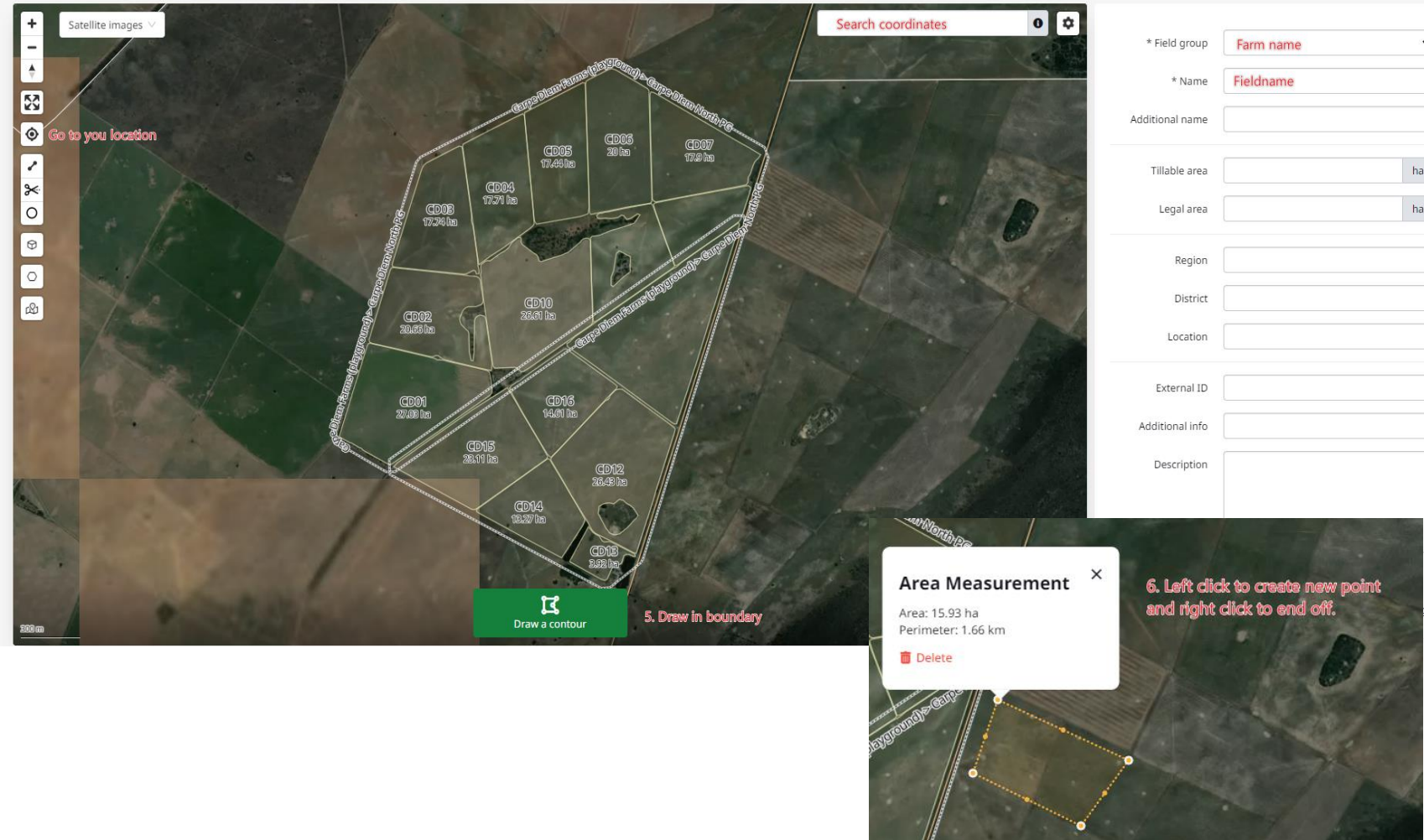
5. * Name: Farm name
6. Catalog: Choose folder / group to which the new farm belongs
7. Create field group

Additional fields include Region, District, Location, and a Hide checkbox with the text: "Hide the field group if its fields have been added to the archive, deleted, or moved to another group".

How to draw a new field:



Add field



How to change an existing field

To adjust the borders of a field or add parts to a field, select the pencil icon on the field info page.

Platform | Field groups 4 | 2024 | All | Settings | User

Monitoring | Machinery tasks | Field records | Images | Histogram

CD11
Carpe Diem Farms (playground) / Carpe Diem South PG
33.93 ha.

Dashboard | Soil | Agrooperations status | Agro operations | Scouting tasks | Scout reports | Notes | Alerts | Field history | Crop rotation | Area & shapes | Unloaded images

Field info

Name	CD11
Crop	—
Variety	—
Yield	— t/ha
Harvested	— t
Yield density	— kg/m ³
Soil tillage type	—
Irrigation type	—
Productivity zone	—
Seeding date	—
Harvesting date	—
Area	
Tillable	33.93 ha.
Legal	33.93 ha.
Mappable	33.93 ha.

NDVI update on February 02
0.26

Growing Degree Days, °C
— starting sowing (±5*) 592° starting year (±5*)
— starting sowing (±10*) 407° starting year (±10*)

Weather now
19° ☀️
3 m/s Clear

16:00 ☀️ 24° @ 6 m/s
20:00 ☀️ 20° @ 4 m/s
00:00 ☀️ 18° @ 2 m/s
04:00 ☀️ 16° @ 1 m/s

Satellite images February 1, 2024

Satellite images | Search by city or coordinates...

Area Measurement
Area: 33.93 ha
Perimeter: 2.74 km
Delete

To divide the field into parts
To draw in circle

Click on the field to change it. Move the points to change the outlines.

Add one more part | Use this to add parts or to start from beginning.

Edit field | Changes history | Delete

* Field group: Carpe Diem South PG | Field shape from January 01, 2000 00:00

* Name: CD11 | **Change or update area and field shape** 2.

Additional name: | Region: | District: | Location: | Moisture zone: | External ID: | Additional info: |

Edit field shape record | Delete

* Start time: 2000-01-01 00:00

* Tillable area: 33.93105 ha

Legal area: 33.93105 ha

Legal perimeter: km

Land quality assessment: | Land parcels: Detect | Add land parcel

Additional info: | External ID: | **Update field shape record** 3.

Field page:

 <https://youtu.be/CVTNoNBTT8Y?si=weJtbUtIAdgjFLF>

Field page:



Field page for CD11 (Carpe Diem South PG). The page includes navigation tabs (Monitoring, Machinery tasks, Field records, Images, Histogram) and a sidebar menu. A red box highlights the navigation tabs, and another red box highlights the sidebar menu.

Field Info:

Name	CD11
Crop	—
Variety	—
Yield	— t/ha
Harvested	— t
Yield density	— kg/m ³
Soil tillage type	—
Irrigation type	—
Productivity zone	—
Seeding date	—
Harvesting date	—
Area	33.93 ha.
Tillable	33.93 ha.
Legal	33.93 ha.
Mappable	33.93 ha.

NDVI update on February 24: 0.24

Growing Degree Days, °C: 1029° (starting sowing (>+5°)), 699° (starting year (>+10°))

Weather now: 16° (1 m/s, Mostly clear). Forecast: 15:00 (22° @ 6 m/s), 19:00 (20° @ 5 m/s), 23:00 (19° @ 4 m/s), 03:00 (18° @ 1 m/s).

Vegetation: Chart showing NDVI values from Jan to Dec. Legend: Field (green).

Temperature: Chart showing Soil surface (yellow) and Air (blue) temperatures from Jan to Dec. Legend: #245805 Me...

Precipitation: Chart showing Daily (blue) and Accumulated (grey) precipitation from Jan to Dec. Legend: #245805 Me... -28 mm.

Soil moisture: Chart showing soil moisture levels from Jan to Dec. Legend: 0-70 mm (yellow), 70-280 mm (blue), 280-1000 mm (grey), Satellite data (grey).

Field information sheet, Field page:

CD11
Carpe Diem Farms (playground) / Carpe Diem South PG
Spring Wheat, 33.93 ha.

Monitoring | Machinery tasks | Field records | Images | Histogram

Field info

Name: CD11
Crop: Spring Wheat
Variety: —
Yield: — t/ha
Harvested: — t
Yield density: — kg/m³
Soil tillage type: —
Irrigation type: —
Productivity zone: —
Seeding date: —
Harvesting date: —

Area: 33.93 ha.
Tillable: 33.93 ha.
Legal: 33.93 ha.
Mappable: 33.93 ha.

NDVI
0.30

Growing Degree Days, °C
4144° starting year (>=5°)
2340° starting year (>=10°)

Weather now
16° ☀️
15:00: 22° @ 6 m/s
19:00: 20° @ 5 m/s
23:00: 19° @ 4 m/s
03:00: 18° @ 1 m/s
☁️ 1 m/s
Mostly clear

Vegetation
Field (green line), Average (grey line)

Temperature
Soil surface (yellow dots), Air (blue line)

Precipitation
Daily (blue bars), Accumulated (grey line)

Soil moisture
0-70 mm (yellow line), 70-280 mm (blue line), 280-1000 mm (grey line)

Season Season 2023/2024 (2024)

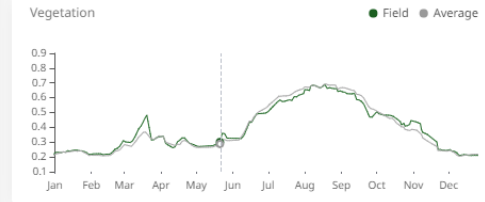
Field group 3

Choose the catalogs or field groups with which you will work

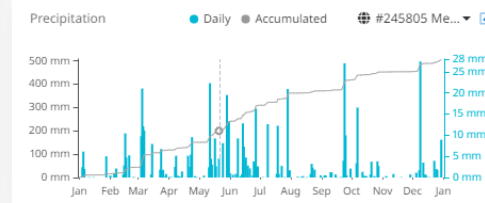
Search

Click on Navigator to change season (year).

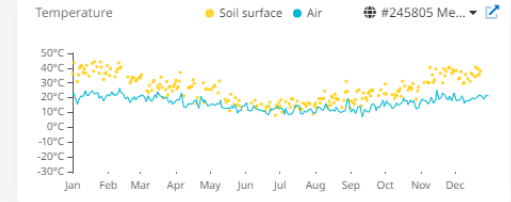
1. Vegetation index of field and the average of the farm.



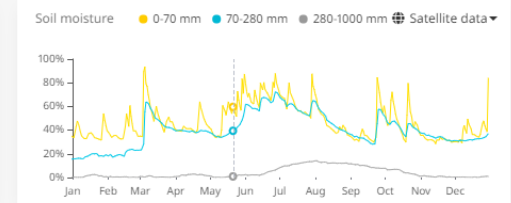
3. Rainfall data from meteoblue. Can also add own weather station.



2. Soil- and air temperature.



4. Soil moisture for the top 7cm, 7-28cm and 28-100cm. Good indication of the way the rainfall impacts the soil moisture.



5. Custom fields info can be added / changed by clicking on the pencil icon.

Custom fields

Crop, Root stock variety	—
Crop, Shoot stock variety	—
Crop, Year established	—
Expected harvest date	—
Field Lat Lon	-34.31858, 20.83957
Irrigation type	—
Soil type	—
Spacing, Plants per block	—
Spacing, Plants per hectare	—
Spacing, between plants (m)	—
Spacing, between rows (m)	—
Trellis system	—

<https://www.youtube.com/watch?v=CVTNoNBTT8Y>

Field page: Insert information per field

To fill in any field information, click on the pencil and type in the information

Monitoring center Agro Telematics Map Fields WMS More

Monitoring Machinery tasks Field records

CD11
Carpe Diem Farms (playground) / Carpe Diem South PG
33.93 ha.

Dashboard
Soil
Agrooperations status
Agro operations
Scouting tasks
Scout reports
Notes
Alerts
Field history
Crop rotation
Area & shapes
Unloaded images

Field info

Name	CD11
Crop	—
Variety	—
Yield	— t/ha
Harvested	— t
Yield density	— kg/m ³
Soil tillage type	—
Irrigation type	—
Productivity zone	—
Seeding date	—
Harvesting date	—
Area	
Tillable	33.93 ha.
Legal	33.93 ha.
Mappable	33.93 ha.

To fill in additional information ('Custom fields'), press the pencil at the top left of field page. Scroll down where the additional fields will appear.

Monitoring center Agro Telematics Map Fields WMS More Platform

October 30, 2023
Uploaded at October 30, 2023 16:43 by user Corni Coetzee (Syngenta).

CD11
Carpe Diem Farms (playground) / Carpe Diem South PG
33.93 ha.

Dashboard
Soil
Agrooperations status
Agro operations
Scouting tasks
Scout reports
Notes
Alerts
Field history

Custom fields

Crop, Root stock variety	—
Crop, Shoot stock variety	—
Crop, Year established	—
Expected harvest date	—
Field Lat Lon	-34.31858, 20.83957
Irrigation type	—
Soil type	—
Spacing, Plants per block	—
Spacing, Plants per hectare	—
Spacing, between plants (m)	—
Spacing, between rows (m)	—
Trellis system	—

Update field

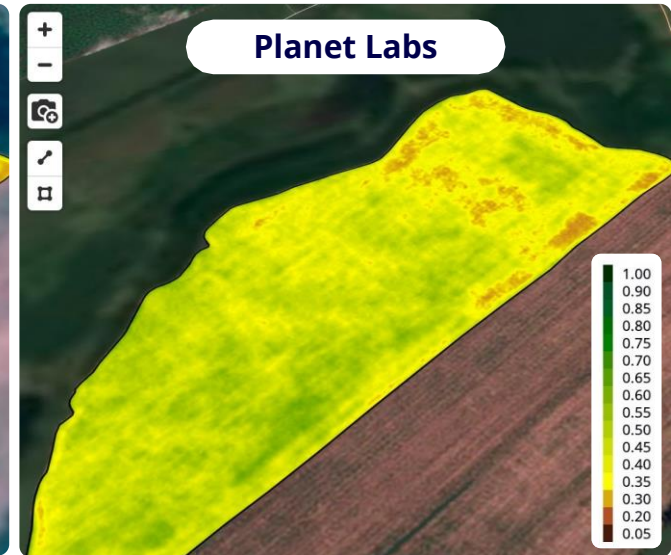
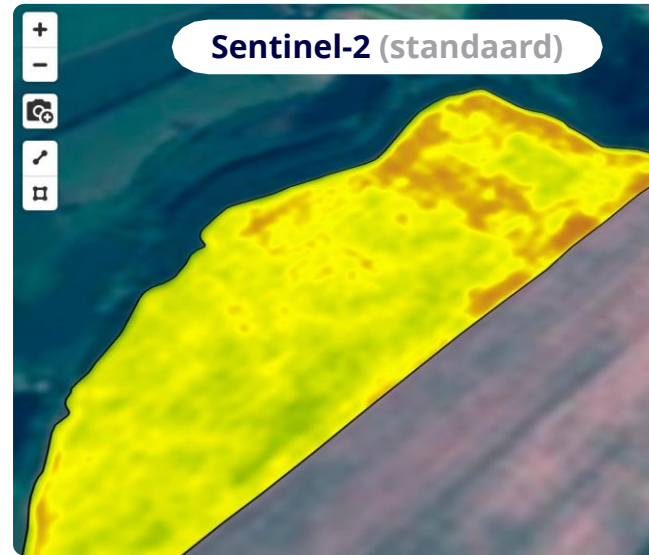
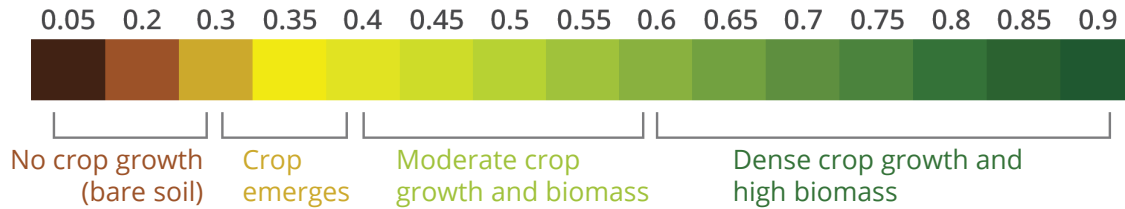
Satellite images for the whole farm:

 <https://www.youtube.com/watch?v=yVIVoGBcry0>

Satellite imagery and vegetation index (NDVI)

What is the normalised difference vegetation index (NDVI)?

The normalized difference vegetation index is a standard measurement for plant growth and biomass expressed on a scale from 0 to 1.



Available satellite images:

Cropwise Operations offers as standard the Sentinel-2 satellite images with a 10m resolution and 5 day interval.

Additionally, users can subscribe to Planet Labs, which has a 3m resolution at a daily interval. Planet Labs has several advantages for growers who value precise and timely data.



Satelliet
SENTINEL-2



Resolusie
10 m per 1 pixel



Frekwensie
Elke 5 dae

Satelliet
PLANET LABS

Resolusie
3 m per 1 pixel

Frekwensie
Daagliks



Daily images ensure access to timely, cloudless data



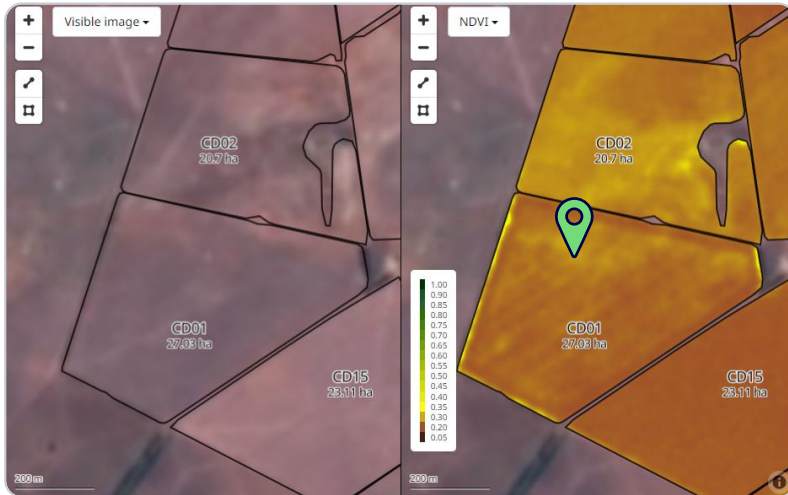
10x higher resolution allows earlier and more accurate identification of anomalies



Precise VRA maps are more accurate and ensure target-specific applications

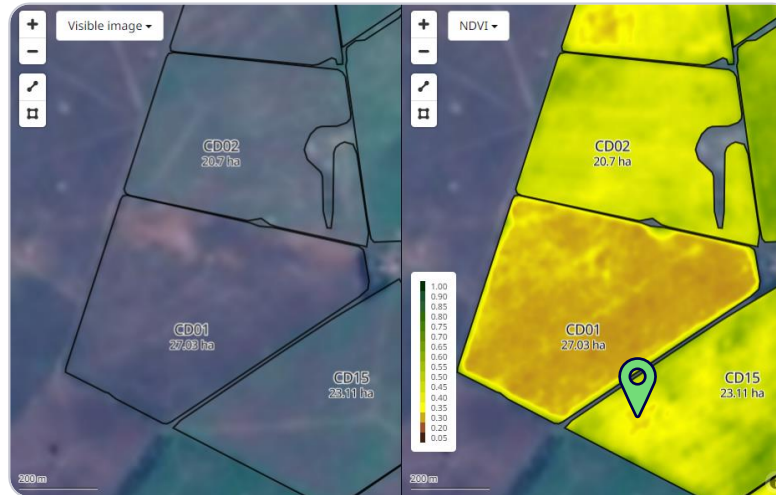
Using satellite images

After harvest/ Before planting



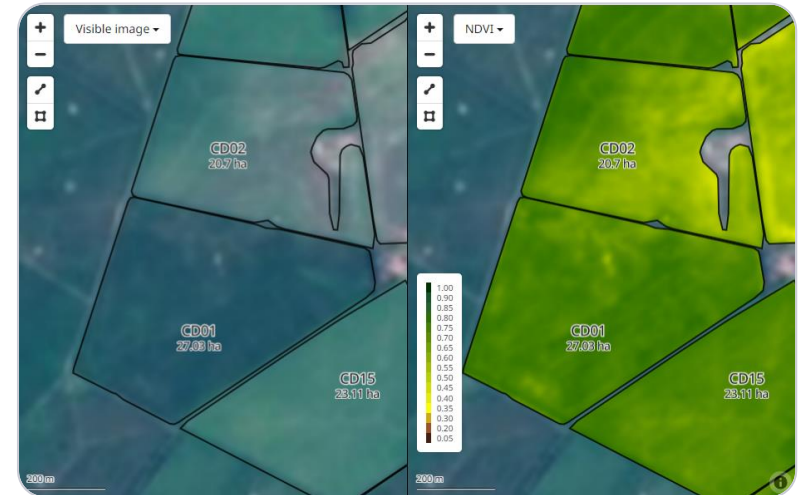
- Assess the presence of weeds and volunteer crop.
- Evaluate the effectiveness of herbicide application.
- Create variable rate application maps for herbicide applications, e.g., stronger doses for areas with higher weed pressure.

After planting / With emergence



- Evaluate emergence.
- Identify deviations.
- Prioritize visiting points.

During the season

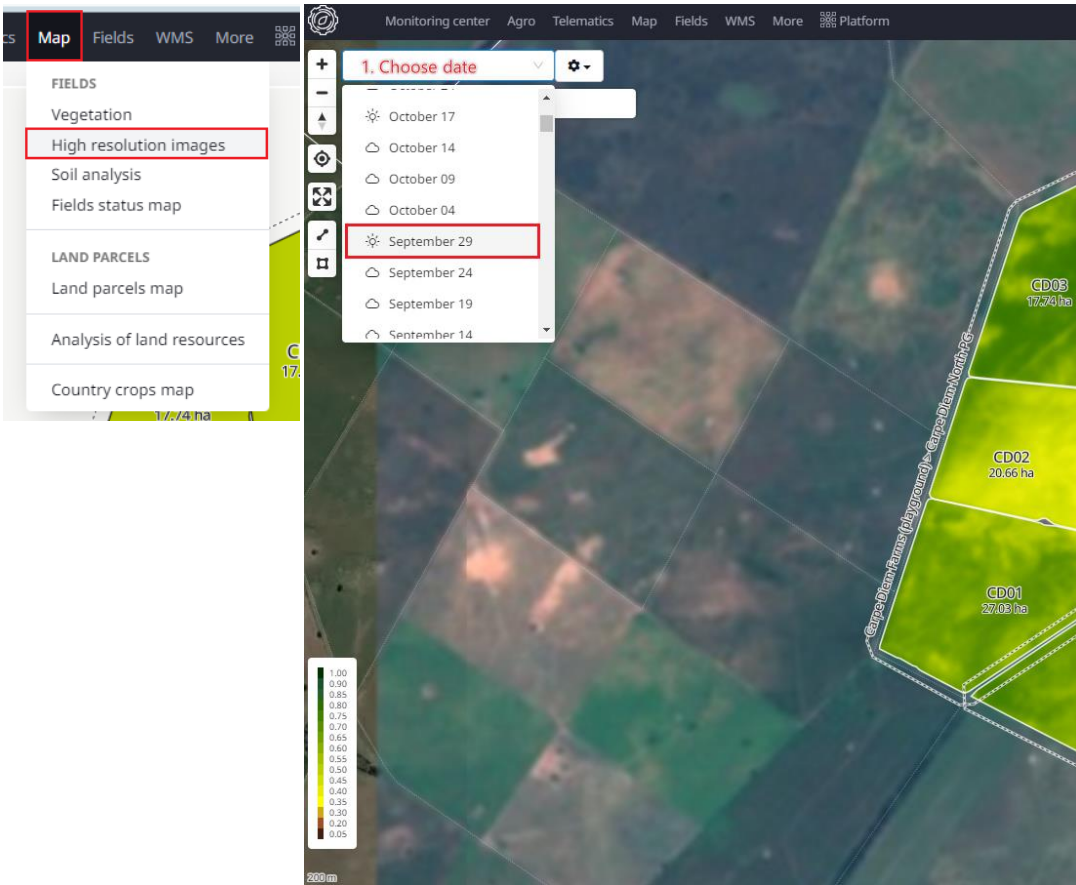


- Evaluate variation between and within fields
- Identify deviations.
- Prioritize points to visit.
- Identify areas for leaf samples.
- Create variable rate application maps for fertilization.
- Ripening and harvest readiness.

Satellite images for the whole farm - 'High resolution images'

Option 1:

Satellite images can be viewed for the farm as a whole (slide 19-20), or per field (slide 22) in different ways.



Satellite images for the whole farm – ‘Scouting map’

Option 2:

The screenshot displays the Cropwise Operations platform interface for August 30, 2023. The main map shows a farm layout with fields labeled CD01 through CD16. A 'Visible Image' dropdown is highlighted with a red box, and a 'NDVI' dropdown is also highlighted. A 'New scouting task' panel on the right shows a grid of satellite images for various dates, with a 'Vegetation image (NDVI)' and 'Relief map' also visible. A callout box for field CD11 includes an 'Open field' link and a 'Scouting task' link. A timeline at the bottom shows satellite images from 05.08.23 to 17.10.23, with the 30.08.23 image highlighted by a red box. A scale bar indicates 300m.

Monitoring center | Agro | Telematics | Map | Fields | WMS | More | Platform

Carpe Die... 2023 | All | Settings | User

August 30, 2023

All crops

1. Choose 1st image

2. Choose 2nd image

3. Choose image without cloud coverage

Monitoring center | **Agro** | Telematics | Map | Fields | WMS

- Work planning
- Agro operations
- Yield Forecast
- Positive yield matrix
- Negative yield matrix
- SCOUTING
 - Scouting map**
 - Scouting tasks
 - Scouting reports
 - Agro recommendations
 - Photos upload

Vegetation (NDVI)

CD01 CD02 CD03 CD04 CD05 CD06 CD07 CD08 CD09 CD10 CD11 CD12 CD13 CD14 CD15 CD16

1.00 0.90 0.85 0.80 0.75 0.70 0.65 0.60 0.55 0.50 0.45 0.40 0.35 0.30 0.20 0.05

300m

300m

© Cropwise Operations Platform | © MapTiler | © OpenStreetMap contributors

New scouting task

Visible image

Vegetation image (NDVI)

Relief map

Vegetation image (NDVI, in contrast colors)

Click on a field to view the selected field or select "Scouting task" to open satellite imagery for the selected field and identify points in the field to be scouted.

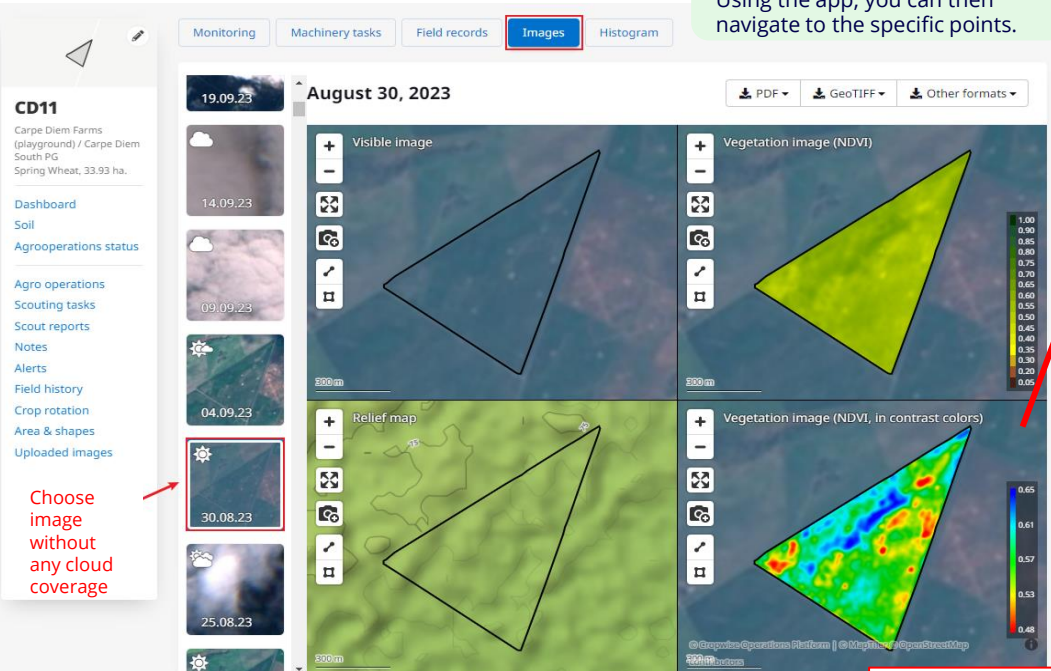
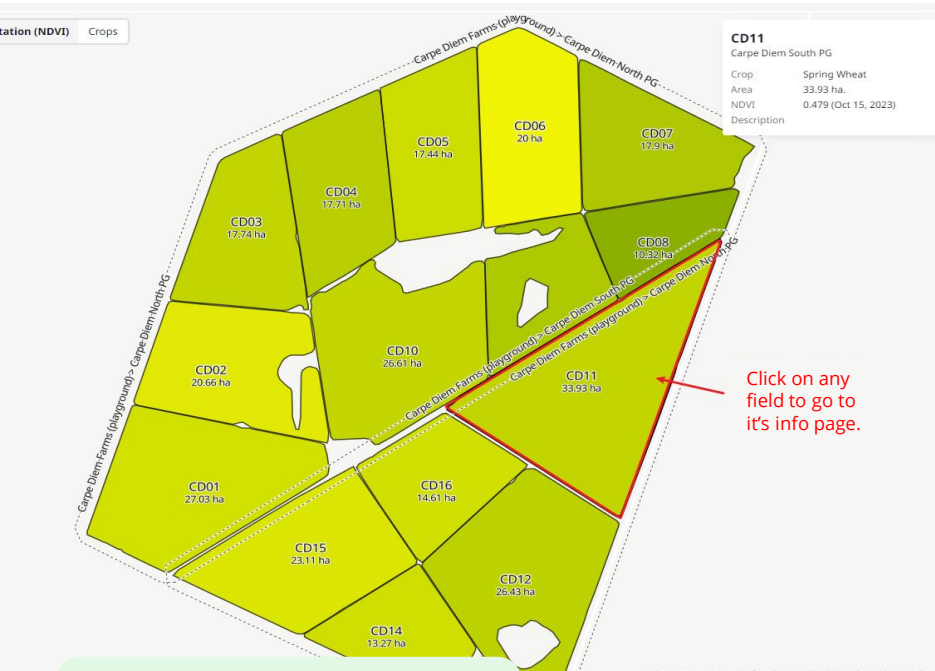
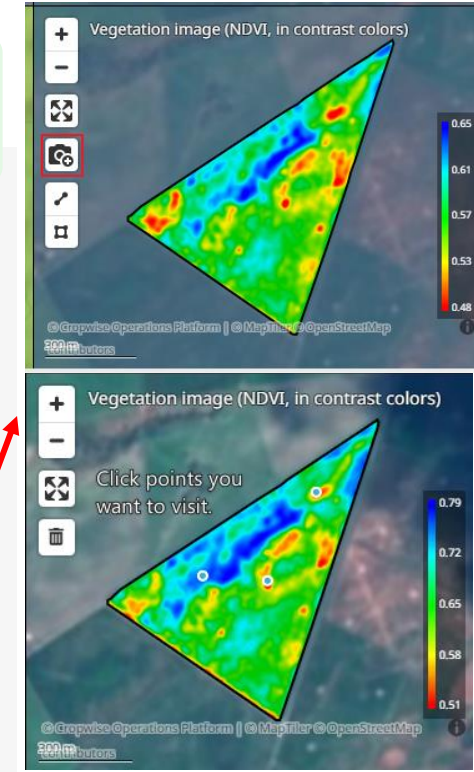
Satellite images for a single field:

 <https://www.youtube.com/watch?v=TGpTRdxT4XE>

Satellite images for a single field- 'Field page'

Option 3:

Monitoring / scouting points can be created from the images page. Using the app, you can then navigate to the specific points.



From the home page, you can click on any field to go to that field's information page. The name of the block/field can also be selected on any page in the platform

Status Planned
 Done
 Canceled

Duration

Season

Responsible

Field scout report template

Description

External ID

Add task

<https://www.youtube.com/watch?v=yNVnlqW58qo>

<https://www.youtube.com/watch?v=TGpTRdxT4XE>

Productivity maps: group satellite images

 <https://www.youtube.com/watch?v=-laakYON1dI>

Field information sheet, Field page: Agro operation – Productivity maps

Productivity maps groups different satellite images of vegetation of fields for different days, months, years and overlays these images on each other

The screenshot shows the 'New productivity image' interface. At the top, there are tabs for 'Operations', 'Recommendations', 'Navigation lines', 'Variable rate applications', 'As applied maps', and 'Yield maps'. The 'Productivity maps' tab is selected. On the left, a sidebar lists various field information categories, with 'Agro operations' highlighted. The main area features a 'Name' input field containing 'Productivity map Oct 24' and a 'Save' button. Below this is a large satellite image of a field with a triangular productivity map overlay. A scale bar at the bottom left indicates 300 m and 1000 ft. A green callout box at the bottom left of the screenshot says 'Under the fields information page'.

A grid of 12 productivity maps for different dates: August 25, 2020; August 10, 2020; August 1, 2019; July 22, 2019; October 5, 2018; September 30, 2018; August 31, 2017; August 26, 2017; October 10, 2016; and August 21, 2016. Each map includes a color scale legend. A red box highlights the map for August 31, 2017, with the text 'Remove images with cloud coverage' below it. A white box with a red border at the bottom right contains the text 'Add more images.....'.

Variable Rate Application (VRA) map for a single field:

 <https://youtu.be/NMSKL2JHmZQ>

Field information sheet: Variable rate application map per field

- Field page > Agro operation > Variable rate applications

The screenshot shows the 'VRA Builder' interface in the 'Initial Setup' step. The top navigation bar includes 'Operations', 'Recommendations', 'Navigation lines', 'Variable rate applications' (highlighted), 'As applied maps', and 'Yield maps'. A sidebar on the left lists various field management options, with 'Agro operations' highlighted. The main form contains the following fields:

- 1. Name: Application Mar 07
- 2. Task type: Seeding
- Work date: March 7, 2024
- Crop: (empty)
- Variety: (empty)
- 3. Units: kg/ha
- 4. VRA Model: Average

A 'Next' button is visible at the bottom right of the form.

The screenshot shows the 'VRA Builder' interface in the 'Source Map' step. The top navigation bar shows 'Initial Setup', 'Source Map' (active), and 'VRA Map'. A dropdown menu for 'Data source' is open, showing options: Saved VRA task, Productivity Map, Yield map, Vegetation, Soil Sampling Task, Soil Texture Map, Soil Test, and UAV images. The 'Vegetation' option is selected. A 'Next' button is at the bottom right.

The screenshot shows the 'VRA Builder' interface in the 'VRA Map' step. The top navigation bar shows 'Initial Setup', 'Source Map', and 'VRA Map' (active). A satellite map shows a field with a color-coded variable rate application map. A text overlay on the map says 'Use tool to add zones manually'. To the right of the map are several configuration options:

- Grid size: 10 m
- In the zone with low value prescribe: most least
- Average rate: 0.01 kg/ha
- Differentiation percentage: 20 %
- Auto zones: 5

Below these are 'Application levels' with a table:

Zone	Total	Area	kg/ha
Zone 1	0.07 kg	6.578 ha	0.01
Zone 2	0.10 kg	9.831 ha	0.01
Zone 3	0.07 kg	6.904 ha	0.01
Zone 4	0.06 kg	5.854 ha	0.01
Zone 5	0.05 kg	4.765 ha	0.01
Custom zone 1	0.00 kg	0.00 ha	0

A red box highlights the '0.01' value for Zone 5. Below the table is a red-bordered box containing the text 'Can also change the amount manually' and a '+ Add custom zone' button. At the bottom right, the total is 'Total: 0.35 kg' and a 'Save' button is highlighted with a red box.

Can also be created for a group of fields (next slide)

Variable Rate Application (VRA) map for various group of fields:

 <https://www.youtube.com/watch?v=Yo7tU5iRzmg>

Create VRA maps for farm as a whole

Agro Telematics Map Fields WMS More Platform

- 1. Work planning
- Agro operations
- Yield Forecast
- Positive yield matrix
- Negative yield matrix
- SCOUTING
- Scouting map
- Scouting tasks
- Scouting reports
- Agro recommendations
- Photos upload
- REPORTS
- Work report
- Vegetation reports
- NDVI change
- NDVI variability change
- Notes report
- Agro operations report
- Agro application report
- Harvest report
- Alerts report
- 2. Variable Rate Application tasks report
- Soil samples tasks report
- Detecting weedy fields
- Field selection for SDHI fungicides
- Reglone recommendation
- Corn Hybrid Harvesting Forecast

Variable Rate Application tasks

Search... (min 2 characters) 3. VRA multi-wizard Filter Download all Columns

<input type="checkbox"/>	Map	Field	Variable Rate Application task	Task type	Data source	Who created	Created at	Status	Actions
<input type="checkbox"/>		CD11	Application Dec 04	Fertilizing	Vegetation	Corni Coetzee (Syngenta)	12/4/2023 9:38:31 AM	Active	
<input type="checkbox"/>		CD01	Application Oct 20	Fertilizing	Vegetation	Jason Coetzee (Syngenta)	10/20/2023 9:36:10 AM	Active	

VRA multi-wizard

1 Fields 2 Initial Setup 3 Source 4 Vra Setup

Search... (min 2 characters) Selected: 3 from 200

Field	Field group	Crop	Variety
<input type="checkbox"/> CD11	Carpe Diem South PG		
<input type="checkbox"/> CD16	Carpe Diem South PG		
<input checked="" type="checkbox"/> CD15	Carpe Diem South PG		
<input checked="" type="checkbox"/> CD14	Carpe Diem South PG		
<input checked="" type="checkbox"/> CD13	Carpe Diem South PG		
<input type="checkbox"/> CD12	Carpe Diem South PG		
<input type="checkbox"/> CD07	Carpe Diem North PG	Alfalfa	
<input type="checkbox"/> CD04	Carpe Diem North PG		
<input type="checkbox"/> CD01	Carpe Diem North PG	Spring Barley	
<input type="checkbox"/> CD05	Carpe Diem North PG		
<input type="checkbox"/> CD06	Carpe Diem North PG		
<input type="checkbox"/> CD03	Carpe Diem North PG		
<input type="checkbox"/> CD09	Carpe Diem North PG		
<input type="checkbox"/> CD08	Carpe Diem North PG		

4. Select fields

Next 5. 1 > 50 / page

Create VRA maps for farm as a whole (continue)

VRA multi-wizard

Progress: 1 Fields | **2 Initial Setup** | 3 Source | 4 Vra Setup

• Name: Application Mar 07

6. • Task type: Seeding

• Work date: March 7, 2024

Crop:

Variety:

7. • Units: kg/ha

• VRA Model: Average

Please note that changing the form values affects the settings of all fields in the table below. If necessary, each line of the table can be edited separately or after setting the general settings.

Field	Name	Task type	VRA Model	Crop	Variety	Units	1000 Grain weight	Work date
CD13	Application Mar 07	Seeding	Average					March 7, 2024
CD14	Application Mar 07	Seeding	Average					March 7, 2024
CD15	Application Mar 07	Seeding	Average					March 7, 2024

Back Next 8.

VRA multi-wizard

Progress: 1 Fields | 2 Initial Setup | **3 Source** | 4 Vra Setup

Data source: Vegetation 8. Choose type of image for all fields

CD13
Data source: Vegetation 8. Or per field
Active image: Vegetation, February 6, 2024

CD14
Data source: Vegetation
Active image: Vegetation, February 11, 2024

CD15
Data source: Vegetation
Active image: Vegetation, January 25, 2024

9. Choose images to use

Back Next 10.

VRA multi-wizard

Progress: 1 Fields | 2 Initial Setup | 3 Source | **4 Vra Setup**

Hide settings

11. • Grid size: 3 m

12. • Average rate: 0.01 kg/ha

Differentiation percentage: 20 %

13. • Auto zones: 5

Please note that changing the form values affects the settings of all fields in the table below. If necessary, each line of the table can be edited separately or after setting the general settings.

Field	Grid size	Average rate	Auto zones	Differentiation percentage
CD13	3	0.01	5	20
CD14	4	0.01	5	20
CD15	8	0.01	5	20

Back Save 14.

Download of VRA maps

er **Agro** Telematics Map Fields WMS More Platform

1. Work planning
Agro operations

Yield Forecast
Positive yield matrix
Negative yield matrix

SCOUTING
Scouting map
Scouting tasks
Scouting reports
Agro recommendations
Photos upload

REPORTS
Work report
Vegetation reports
NDVI change
NDVI variability change
Notes report
Agro operations report
Agro application report
Harvest report
Alerts report

2. **Variable Rate Application tasks report**
Soil samples tasks report

Detecting weedy fields
Field selection for SDHI fungicides
Reglone recommendation
Corn Hybrid Harvesting Forecast

Variable Rate Application tasks

Search... (min 2 characters)

VRA multi-wizard Filter **Download all** Columns

3.

	Map	Field	Variable Rate Application task	Task type	Data source	Who created	Created at	Status	Actions
<input checked="" type="checkbox"/>		CD13	Application Mar 07	Seeding	Vegetation	Corni Coetzee (Syngenta)	3/7/2024 2:13:36 PM	Active	
<input checked="" type="checkbox"/>		CD14	Application Mar 07	Seeding	Vegetation	Corni Coetzee (Syngenta)	3/7/2024 2:13:36 PM	Active	
<input checked="" type="checkbox"/>		CD15	Application Mar 07	Seeding	Vegetation	Corni Coetzee (Syngenta)	3/7/2024 2:13:36 PM	Active	

4.

- ISOBUS Taskdata ISO 11783 (GRD type 1 - zone numbers)
- ISOBUS Taskdata ISO 11783 (GRD type 2 - value at point)
- KML file
- ESRI Shapefile with points
- ESRI Shapefile with grid
- ESRI Shapefile with polygons
- ESRI Shapefile with polygons (Trimble)
- ESRI Shapfile with polygons (AFS/CaseIH)
- ESRI Shapefile with polygons (John Deere)
- ESRI Shapefile with polygons (Amatron)
- ESRI Shapefile with polygons (Amazone)

Crop rotation records

Crop rotation per field:

- Field page > Crop rotation




CD11
Carpe Diem Farms
(playground) / Carpe Diem
South PG
Spring Wheat, 33.93 ha.

Dashboard
Soil
Agrooperations status

Agro operations
Scouting tasks
Scout reports
Notes
Alerts
Field history
Crop rotation
Area & shapes
Uploaded images
Planet subscriptions
Analytics
Timeline
Image lab
Yield estimation
Download

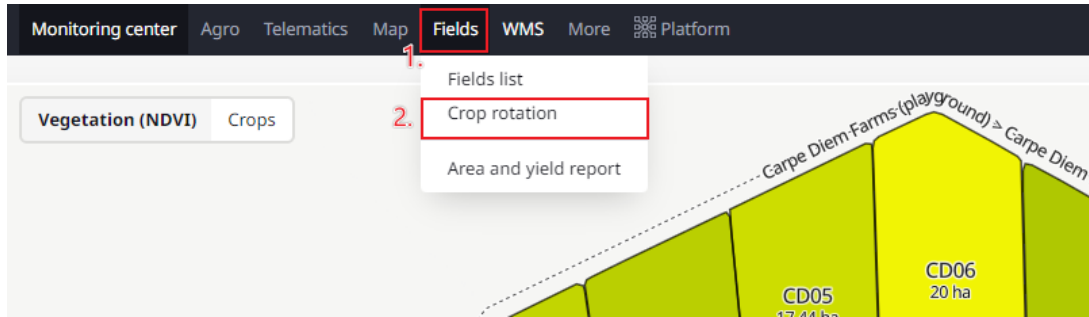
Crop rotation

[+ Add record](#)

Year	Crop	Variety	Yield, t/ha	Expected yield, t/ha	Harvested, t	Soil tillage type	Irrigation type	Productivity zone	Vegetation and precipitations
2025	—	—	—	—	—	—	—	—	
2024	—	—	—	—	—	—	—	—	
2023	Spring Wheat	—	—	—	—	—	—	—	
2022	Canola	—	1.31	—	—	—	—	—	
2021	Spring Wheat	— 							 
2020	—	—	—	—	—	—	—	—	
2019	—	—	—	—	—	—	—	—	
2018	—	—	—	—	—	—	—	—	
2017	—	—	—	—	—	—	—	—	
2016	—	—	—	—	—	—	—	—	
2015	—	—	—	—	—	—	—	—	
2014	—	—	—	—	—	—	—	—	
2013	—	—	—	—	—	—	—	—	
2012	—	—	—	—	—	—	—	—	

Change any crop rotation info quickly and easily

Crop rotation overall:



Crop rotation is allocated to the season (year) it was harvested

Winter grains (wheat, barley, oats, lupins, canola)

- Plant in MAR-JUN, Harvest in SEP-DES

Summer Crops (Maize/Corn, Soybeans, Sunflower)

- Plant in SEP-DES, Harvest in APR-JUL
- E.g., Crops planted in Nov-23 and harvested in Jun-24 are associated with the "2024" season (year)

Orchards and vineyards

- Allocated to date when the last fruits are harvested
- E.g., Grape harvest from Oct-23 to Jan-24 are all linked to the "2024" season (year)

Carpe Diem Farms (playground)

Search by field, crop or place... ?

Fields management ▼

Can export crop rotation info from here

📄 📄 PDF 📄 Excel 📄 Columns

Field group	Field	Tillable area, ha	Crop 2022	Crop 2023	Crop 2024	Crop 2025	Crop 2026
Carpe Diem North PG	CD10	26.61	Fallow	Fallow	—	—	—
Carpe Diem North PG	CD02	20.66	Spring Rapeseed-Lucerne	Alfalfa	Alfalfa	—	—
Carpe Diem North PG	CD08	10.32	Alfalfa	Fallow	—	—	—
Carpe Diem North PG	CD09	13.54	Alfalfa	Fallow	—	—	—
Carpe Diem North PG	CD03	17.74	Spring Wheat	Spring Rapeseed-Lucerne	—	—	—

Click on pencil icon to easily add / change

Feel free to ask the Cropwise team to update your crop rotation data. We can import your historical records using Excel.

Application records (Agro operations)

Agro operation – per land

- Field page > Agro operations

Can also be created for a group of fields (Next page)

Operations Recommendations Navigation lines Variable rate applications As applied maps Yield maps

Productivity maps

CD11
Carpe Diem Farms (playground) / Carpe Diem South PG
33.93 ha.

Dashboard
Soil
Agrooperations status

Agro operations

Agro operations

1. + Add

Search by work type or date...

Columns

Status Completed area, ha Season Planned Actual start time Completed time Work type

- 2024 year

Add agro operation

2. * Status

- Planned
- In progress
- Completed
- Canceled

Completed area: 33.93105 ha
Set 0 ha from machine tasks or planned area 33.93105 ha

Duration: 03/07/2024 12:00 AM — 03/07/2024 2:28 PM
Set time from selected machine tasks

Agro operation plan

Planned area: 33.93105 ha

3. * Duration (plan): 03/07/2024 — 03/07/2024

* Season: 2024 year

* Field shape: 33.93105 ha | From January 01, 2000

4. * Work type

- Establish & Uproot
- Field work
- Soil works
- Transport
- Application
- Other
- Service
- Harvesting

5. * Work subtype

- Fertigation
- Irrigation
- Other
- Over sowing
- Re-sowing
- Skouer en punt / Shoulder and point
- Sowing
- Spraying
- Spreading

Processing parameters

Planned water rate: 0.0 l/ha

Fact water rate: 0.0 l/ha

Application

Calc by:

Write off: 6. Choose warehouse

7. Add item +

#	Inventory	Planned rate	Fact rate	Planned amount	Fact amount	Dose rate notes	Target(s)

8. Add agro operation

C3. Tank volume (Lt or Kg)

D1. Tractor gear

D2. PTO RPM

D3. Forward speed (kmph)

D4. Speed, seconds per 100m

5. Sprayer pump pressure (bar)

D6. Fan speed

D7. Fan pitch

E1. Nozzle description

E2. Droplet size

E3. Nozzle angle (°)

F1. Weather conditions

F2. Temperature (°C)

F3. Humidity (%)

F4. Wind speed (kmph)

F5. Wind direction (NEWS)

Agro Operations – multiple fields

Processing parameters

Planned water rate l/ha

Fact water rate l/ha

Application

Calc by **Rate** Amount

Type	Name	Planned rate Planned amount	Fact rate Fact amount
CP product	Select CP product...	0	0
CP product		0	0
Fertilizer			
Seed			
Dose rate notes			

Target(s)

[Add more CPs/fertilizers/seeds](#)

Agro operation plan

Duration (plan)


* Season year

* Work type

- Establish & Uproot
- Field work
- Soil works
- Transport
- Application
- Other
- Service
- Harvesting

Fields

Can also select field by clicking on the map



Search fields by name, group, crop...

Filter groups concatenation logic: and or Can also select fields by crops

— crop: Alfalfa Not defined Spring Barley

— previous crop:

— productivity zone: Not specified


— moisture zone: Not specified

Fields selected: 2
Total area: 28.06 ha

[remove all fields](#)

Monitoring center **Agro** Telematics Map Fields WMS More

- Work planning
- Agro operations**
- Yield Forecast
- Positive yield matrix
- Negative yield matrix



Agro operations

12/07/2023 — 03/07/2024

Today Yesterday This week This month Last month This year

Notifications

No new notifications.

Planned and in work **1** Completed **3** Canceled **0** **All fields 16** **1.** [Excel](#)

Search by field, crop or place...

3. [Add operation to selected fields](#) Columns

	Field	Legal area, ha	Tillable area, ha	Crop	Variety	Soil tillage type	Vegetation
<input type="checkbox"/>	CD10	26.6	26.6				
<input checked="" type="checkbox"/>	CD08	10.3	10.3				
<input type="checkbox"/>	CD09	13.5	13.5				
<input checked="" type="checkbox"/>	CD03	17.7	17.7				

2. Choose fields

[+ Operation](#)

Export data

How to export data of fields:

Fields WMS More Platform

Monitoring center Agro Telematics Map Fields WMS More Platform

Carpe Diem... 2024 All

1. Make sure the correct groups are selected

Fields list
Crop rotation
Area and yield report

Carpe Diem Farms (playground) ^{304.22}

ha. Fields management

Search by field, crop or place...

Download... Columns

2. Ensure the correct columns are selected

3.

Field	Tillable area, ha	Crop	Crop 2023	Crop (Short name) 2023	Seeding date	Harvesting date	Soil tillage type 2025	Seeding date 2025
- - (13)								
CD03	17.74	Spring Rapeseed-Lucerne						
CD04	17.71	Canola						

4. File format

Export settings

For data of all fields

Fields list Fields map Vegetation data Weather data Plant threats data

Fields type: Only active, All

Columns: Selected, All

Rows: Found, All

File format: XLSX, PDF

Download

Export settings

For field boundaries

Fields list Fields map Vegetation data Weather data Plant threats data

Fields type: Only active, All

Columns: Selected, All

Rows: Found, All

Field shapes: Simplified shape, Original shape (may increase process time)

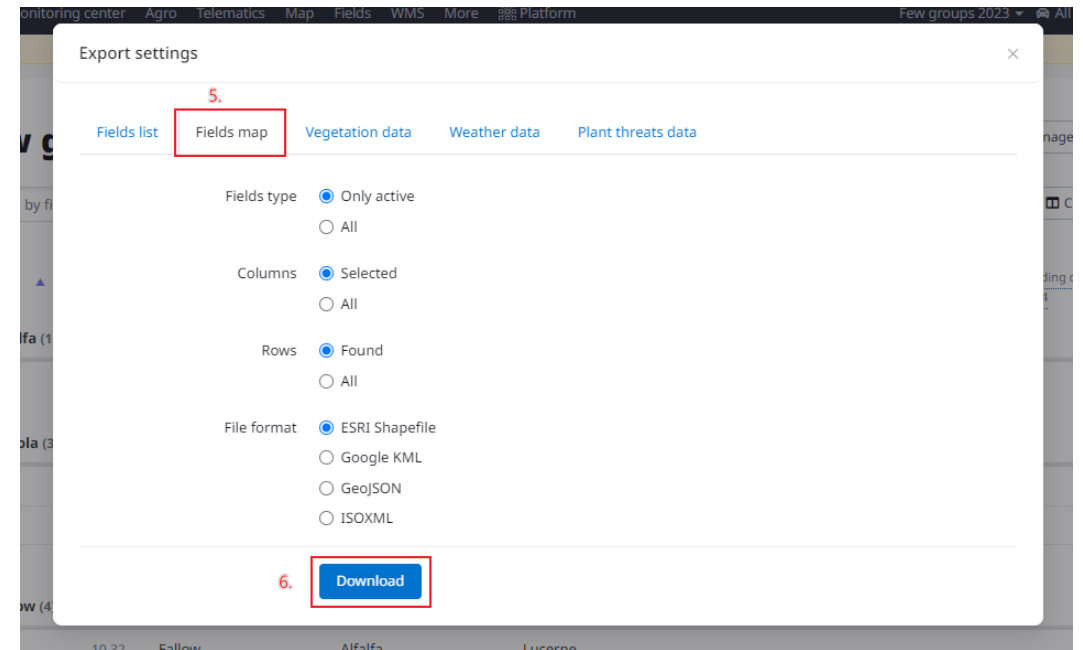
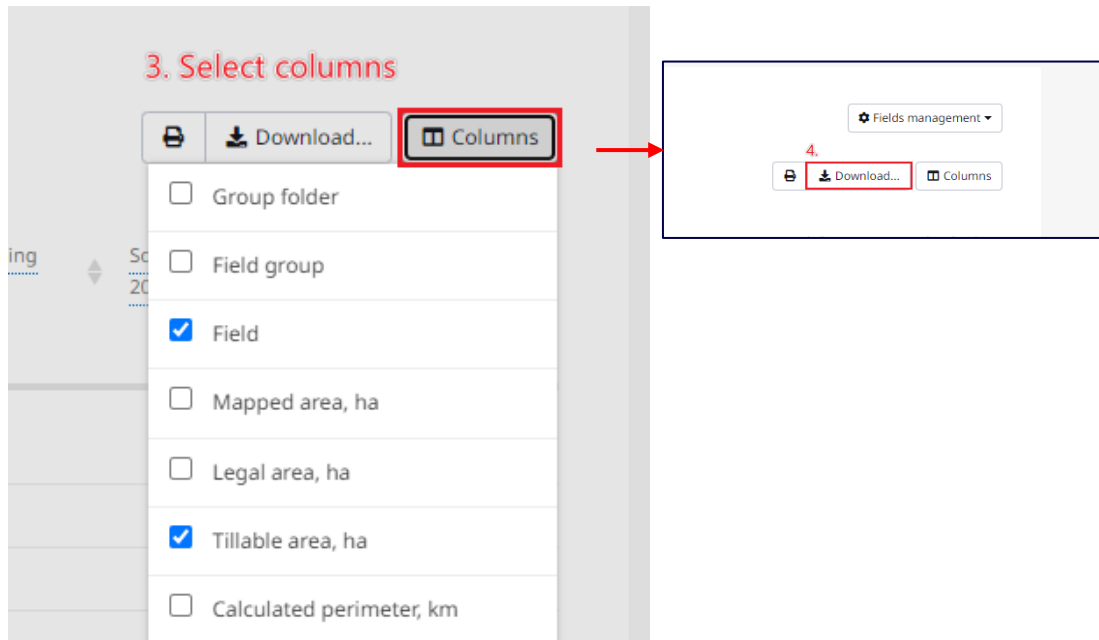
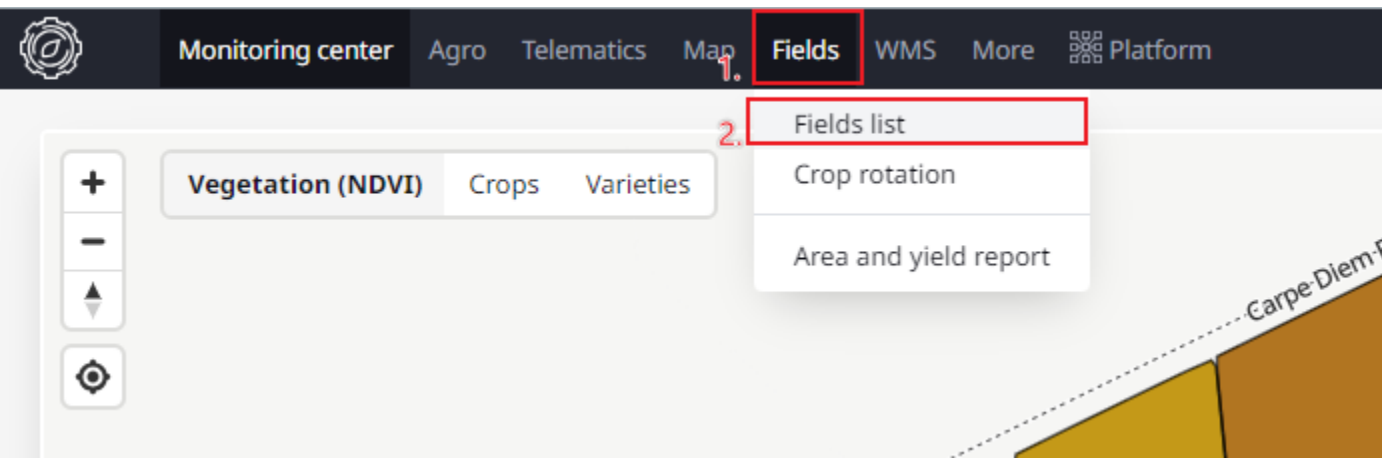
5. File format: ESRI Shapefile, Google KML, GeoJSON, ISOXML

Download

Download... Columns

- Group folder
- Field group
- Field
- Mapped area, ha
- Legal area, ha
- Tillable area, ha
- Calculated perimeter, km
- Legal perimeter, km
- Crop
- Crop (Short name)
- Variety
- Soil tillage type

How to download field boundaries:



How to download application records:

Monitoring center **1. Agro** Telematics Map Fields WMS More Platform

2. Work planning
Vegetation (NDVI) **Agro operations**
Yield Forecast
Positive yield matrix
Negative yield matrix

SCOUTING
Scouting map
Scouting tasks
Scouting reports

Carpe Diem Farms (playground) > Carpe Diem North PG

CD04 17.71 ha
CD05 17.44 ha
CD06 20 ha
CD07 17.9 ha

Map Fields WMS More Platform **3. Choose the correct year you need records from** Carpe Diem... 2024 All

4. Choose specific dates 12/07/2023 — 03/07/2024

Today Yesterday This week This month Last month This year

Planned and in work **1** Completed **3** Canceled **0** All fields **16**

5. Excel

Search by work type or date...

Agro operation Field Field group Planned area, ha Planned Status

– Application (1)

– Spraying (1)

Application ID	Field	Field group	Planned area, ha	Planned	Status
#139	CD10	Carpe Diem North PG	26.6	Jan 10	Planned

How to download monitoring data:

Monitoring center **Agro** Telematics Map Fields WMS More Platform

1. **Vegetation (NDVI)**

- Work planning
- Agro operations

2. **Scouting reports**

- Yield Forecast
- Positive yield matrix
- Negative yield matrix

SCOUTING

- Scouting map
- Scouting tasks

REPORTS

- Work report
- Vegetation reports
- NDVI change
- NDVI variability change
- Notes report
- Agro operations report
- Agro application report
- Harvest report
- Alerts report
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- Soil samples tasks report
- Detecting weedy fields
- Field selection for SDHI fungicides
- Reglone recommendation
- Corn Hybrid Harvesting Forecast

Monitoring center Agro Telematics Map Fields WMS More Platform

2023 season selected. You can switch to current season by link → 2024 year.

3. Choose year you need records from Carpe Diem 2023

4. Choose date 2023-07-01 → 2024-12-31

Today Yesterday This week This month Last month This year

Scout reports

All By users By catalogs

5. Select columns

Search scout reports by field name, growth stage

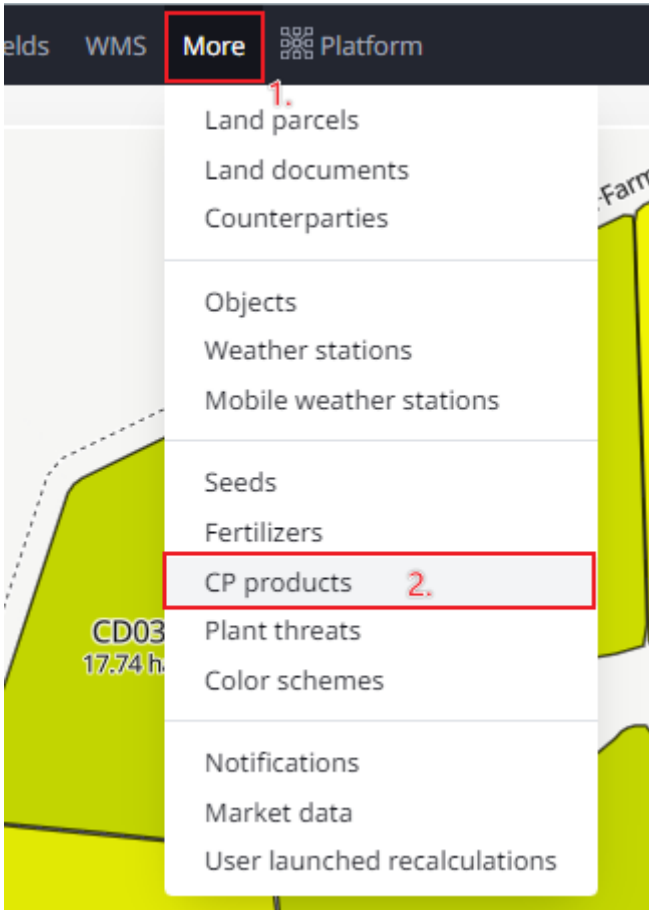
Scout report	Field scout report template	Made at	Field group	Field	Crop 2023	Additional Info	Report points description	Photos
#70	Scout Standard	March 4, 2024 3:26 PM	Carpe Diem South PG	CD11 33.93 ha				
#69		January 10, 2024 2:04 PM	Carpe Diem North PG	CD10 26.61 ha				
#63		November 16, 2023 3:53 PM	Carpe Diem South PG	CD11	Spring Wheat			

6. **Excel**

Growth stages

Adding crops and products

Import products from database



Crop protection products

1. [Import CP product](#) [+ Add CP product](#)

Search CP products by name...

Name Additional info Type Active substances list Registration holder Registration number

- Adjuvant (91)

Directory of CP products

2.

<input type="checkbox"/>	CP products	Import status	Registration number	Type	Units of measurement	Term of use
<input type="checkbox"/>			L10755	Herbicide	Liters	-
<input type="checkbox"/>	2.4-D 480		L9332	Herbicide	Liters	September 3
<input type="checkbox"/>	2.4-D 720		L9326	Herbicide	Liters	September 3
<input type="checkbox"/>	2.4-D 80%		L9331	Herbicide	Kilograms	September 3

3.

[Import CP product](#)

Import crops from database

Few groups 2023 ▾ All ▾ **1.**

- USER MANAGEMENT **1.**
 - Users
 - Roles
 - Activity
 - Actions statistics
 - Pageviews stats
- CATALOGS
 - Field groups
 - Seasons
 - Crops **2.****
 - Work types
 - Alert types
 - Map layers
 - Personal identifier
- TELEMATICS
 - Avatars
 - Machine groups
 - GPS Loggers
 - GPS Receivers
- SYNGENTA SOUTH AFRICA
 - Profile

Market data

Futures		
Corn		
Flax		
Oats		
Soybean Meal	362.55	0.10
Soybean Oil	1 090.85	1.56
Soybeans	456.73	-0.01

Crops ^{2024 year} **3.**

Import standard crop **+ Add crop**

Search crop by name...

Name	Short name	External ID	Number of fields	Percents of area, %	Tillable area, ha
1. Standard crops					
Alfalfa	Lucerne		4	0.51	77
Spring Barley			2	0.36	54
Potatoes			1	0.07	11

Standard crops

Standard crop	Import status	Crop type
<input checked="" type="checkbox"/> Spring Oat		Spring
<input type="checkbox"/> Winter Oat		Winter
<input type="checkbox"/> Spring Barley	Standard crop imported	Spring
<input type="checkbox"/> Winter Barley	Standard crop imported	Winter
<input type="checkbox"/> Buckwheat		Spring
<input type="checkbox"/> Cabbage		Spring
<input type="checkbox"/> Fallow		Spring
<input type="checkbox"/> Corn	Standard crop imported	Spring
<input type="checkbox"/> Onion		Spring
<input type="checkbox"/> Millet		Spring

4. Search

5. Import standard crop

If it is not among the standard crops, you can add it yourself

1. **Import standard crop** **+ Add crop**

Columns

New crop

2. * Name

Short name

Season type Winter Spring

Bind to the base crop

Bind work types to the crop

Bind CPP to the crop

Yield estimation for crop

Associate threats for crop

Hide

External ID

Additional info

Description

3. **Create crop**

Weekly yield estimates for cereals

Weekly yield estimates

- Agro Telematics Map Fields WMS
- Work planning
- Agro operations
- Yield Forecast
- Positive yield matrix
- Negative yield matrix

Monitoring center Agro Telematics Map Fields WMS More Platform Carpe Die... 2023 All

Yield Forecast

South Africa **RI**

Spring Wheat: —, t/ha
Canola: —, t/ha
Canola-Lucerne: —, t/ha

6 October
Reference date

CROPS	AREA, HA	YIELD, T/HA	YIELD Δ 2 WEEKS
Spring Wheat	89	2.35	-23.26%
Canola	58	1.79	-9.99%
Canola-Lucerne	36	1.90	+0.82%
Pea	4	1.73	-24.84%

Carpe Diem North
Carpe Diem South

500 m © Cropwise Operations Platform | © MapTiler © OpenStreetMap contributors

- Agro Telematics Map Fields WMS
- Work planning
- Agro operations
- Yield Forecast
- Positive yield matrix
- Negative yield matrix

Click on a crop to see trends for farms and fields

Monitoring center Agro Telematics Map Fields WMS More Platform Carpe Die... 2023 All

Yield Forecast

All crops / Spring Wheat

14 October

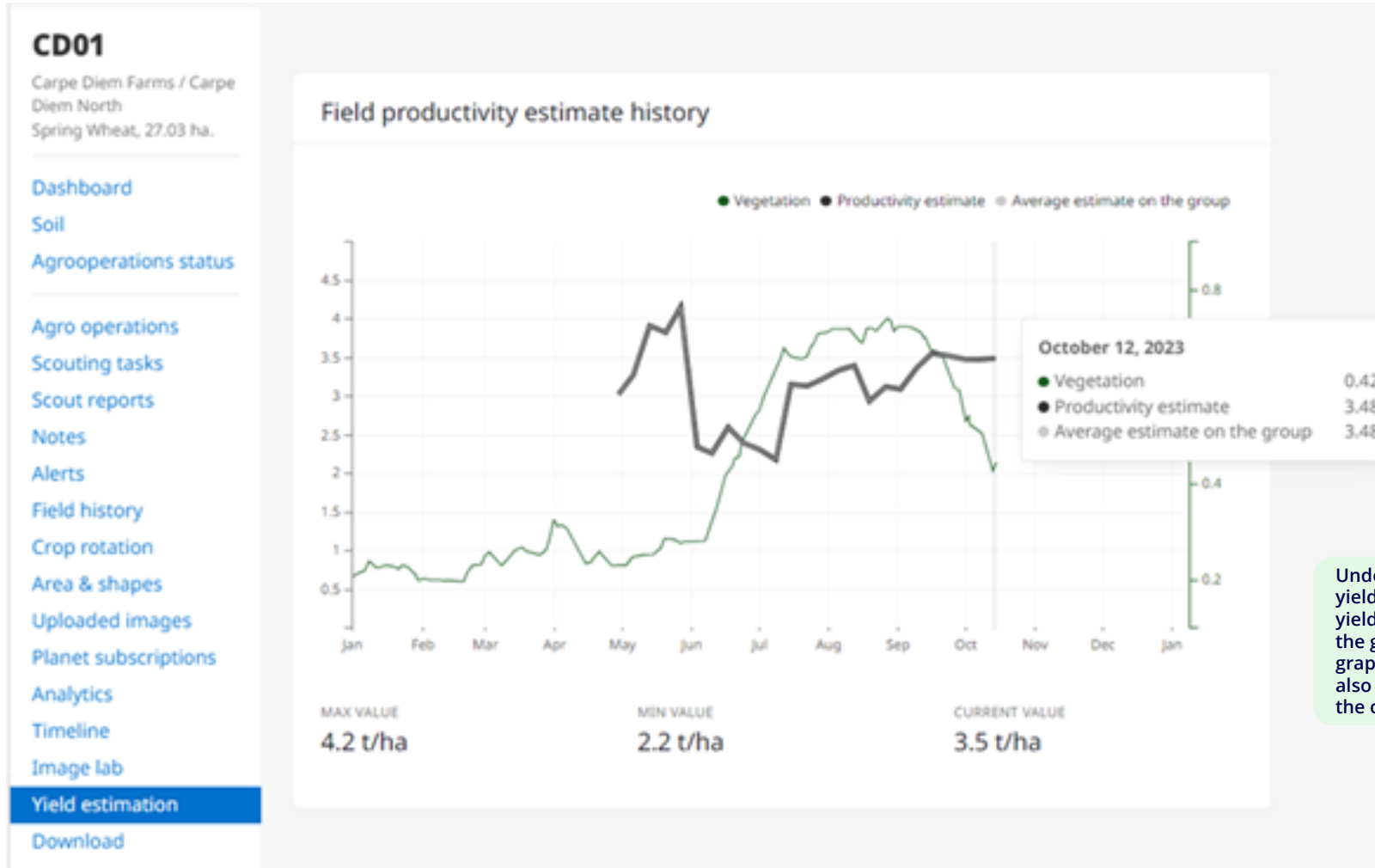
Carpe Diem North +29%
Carpe Diem South -10%

500 m © Cropwise Operations Platform | © MapTiler © OpenStreetMap contributors

FIELD GROUPS

FIELD GROUPS	AREA, HA	YIELD, T/HA	YIELD Δ 2 WEEKS
Carpe Diem South	62	2.46	-9.55%
Carpe Diem North	27	3.11	+28.87%

Weekly yield estimates: field specific



Target field versus peer group

	Field	Peer group
Predecessor	Alfalfa	On chart
Seeding date	—	24 Apr – 12 May
Harvesting date	—	15 Oct – 15 Oct
Yield(t/ha)	3.6	3.4 – 3.6
Accumulated precipitation	313.4 mm.	—
Average soil moisture	48.0 %	63.3 %
Maximum vegetation (NDVI)	0.74	0.78
Land quality assessment	—	—

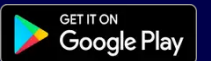
Under the field's information page, in the yield estimation section, the estimated yield over the course of the season against the growth of that field is shown on a graph. It is also then adjusted daily. You can also see how the estimate compares with the other fields.



Cropwise
Operations

How to use Cropwise Operations?

Cell phone application (Android)

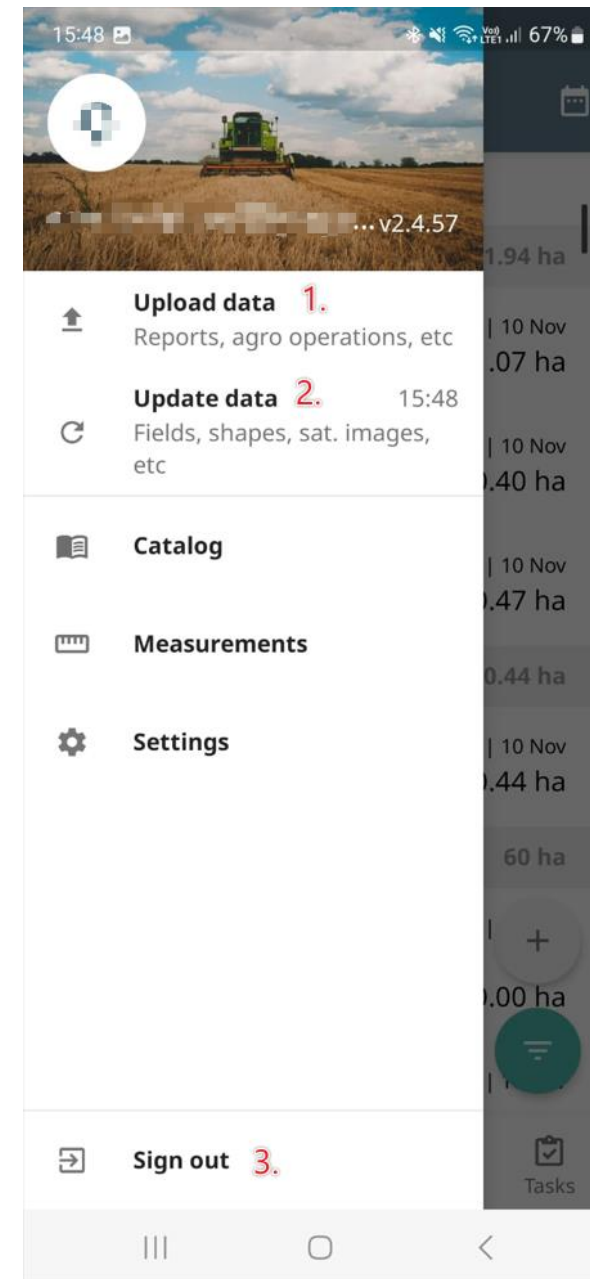
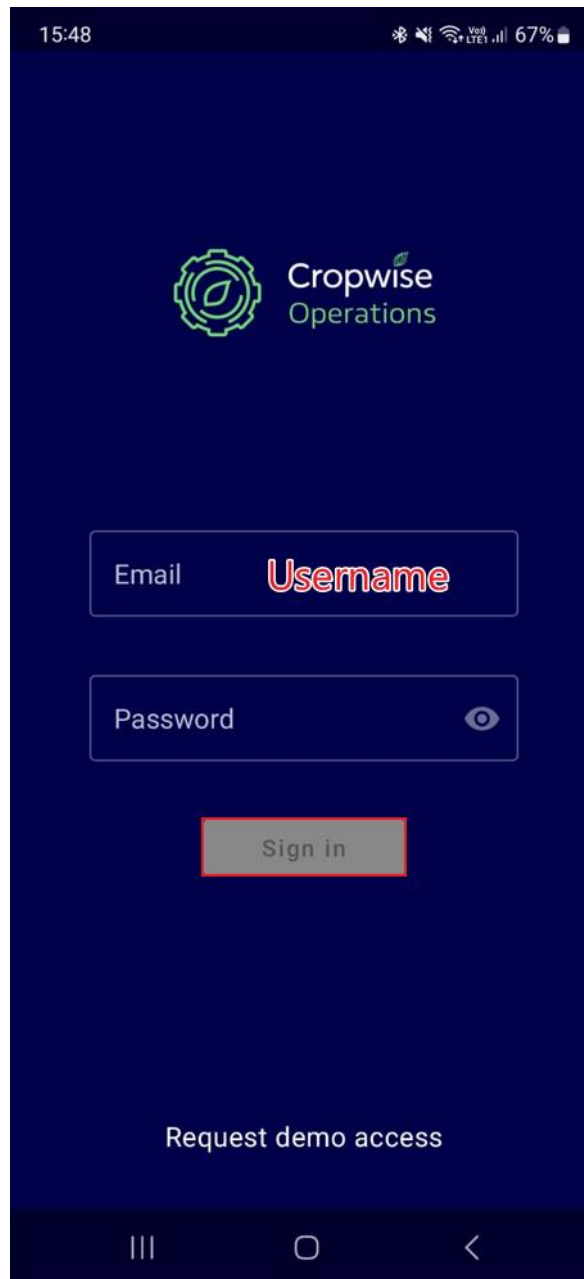


Mobile App for Android

Cell phone application overview and directions (Android)

 <https://www.youtube.com/watch?v=zqi8ci93NYg>

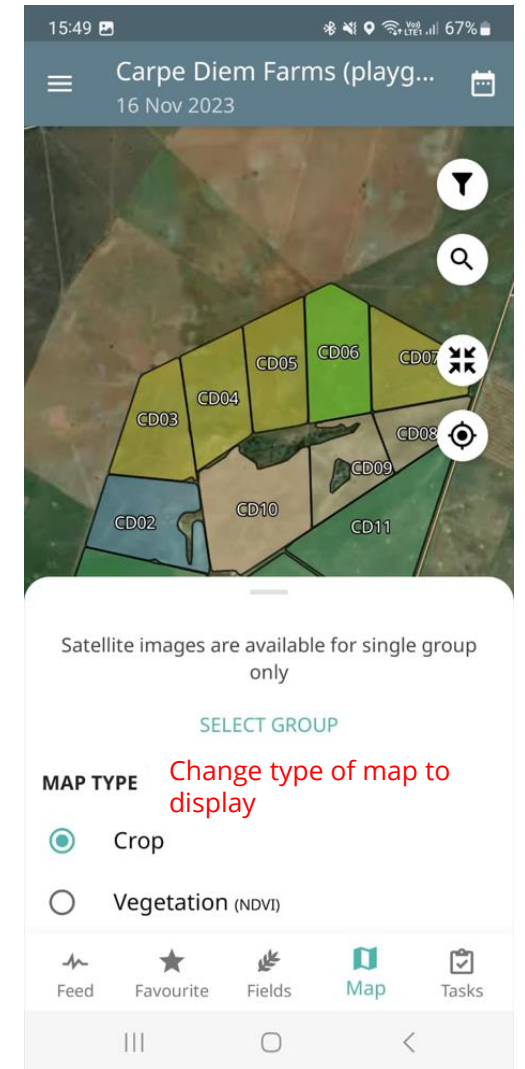
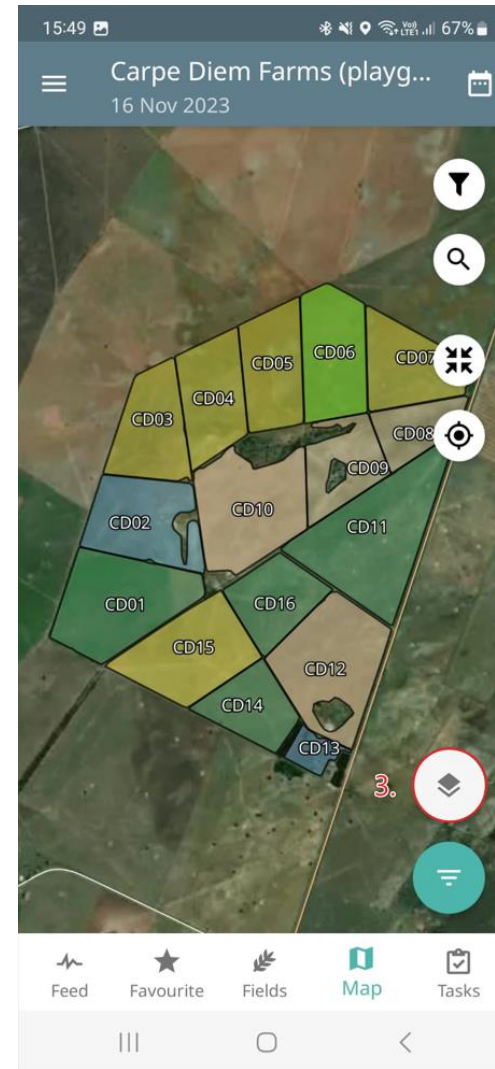
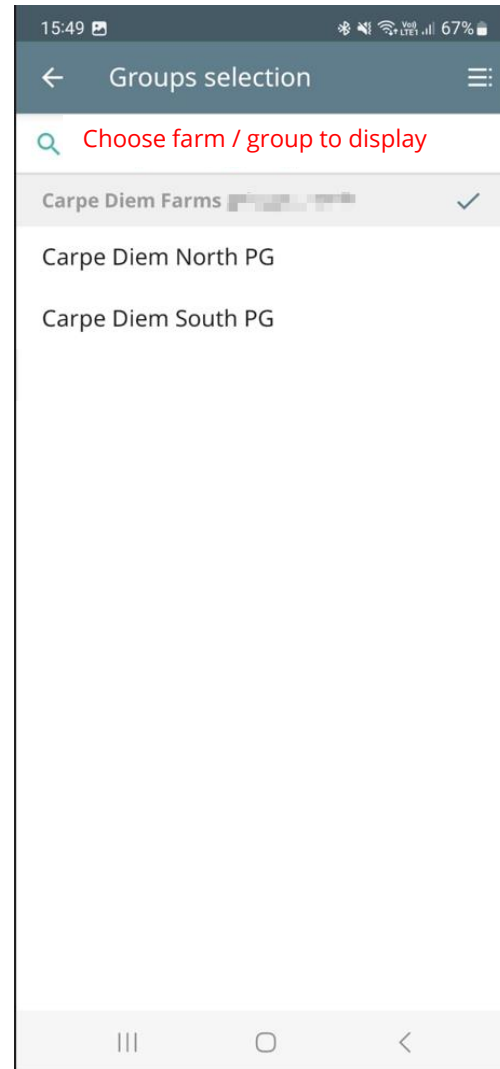
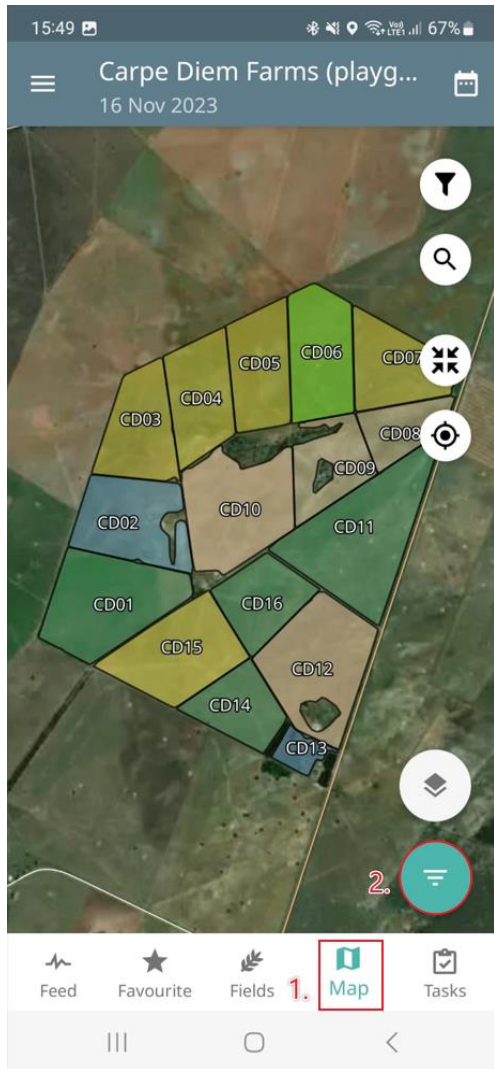
Sign in



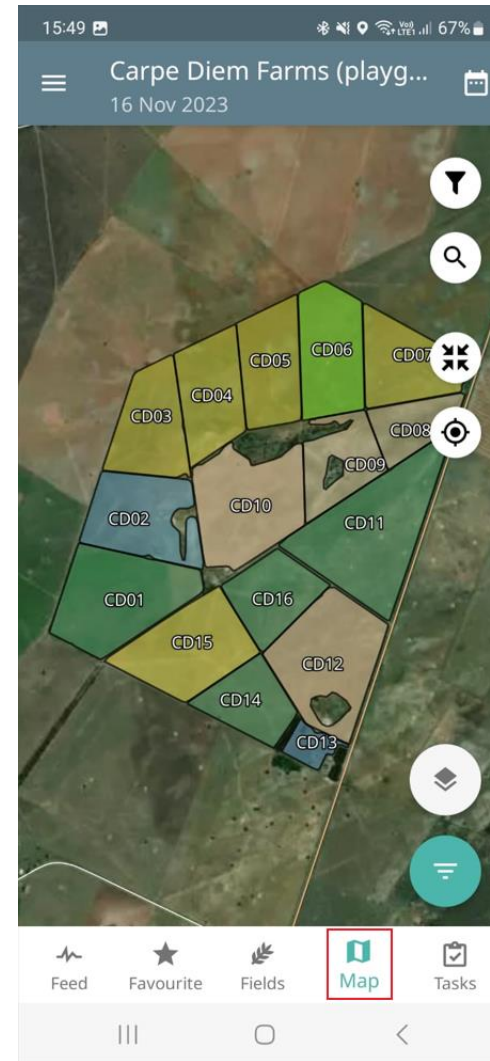
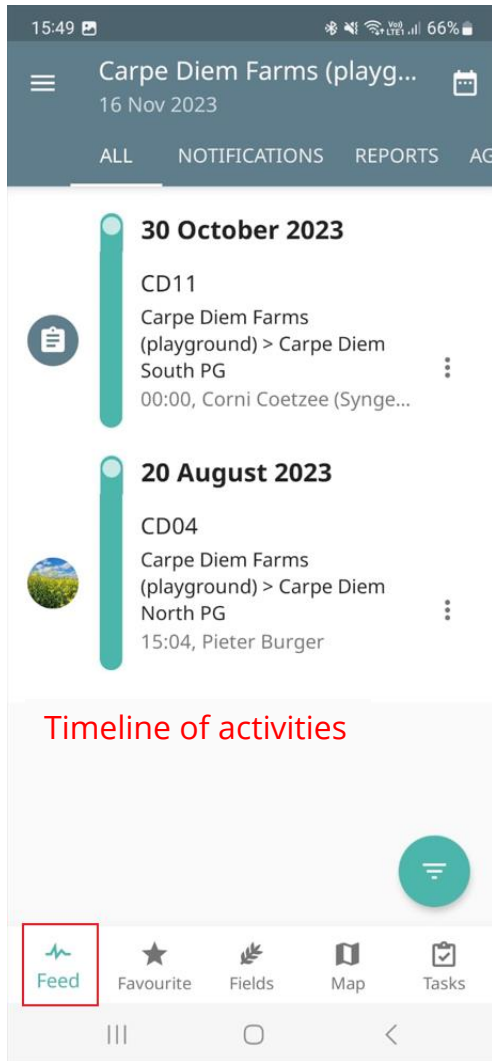
1. To send data captured on mobile to webpage
2. To send data from webpage to mobile application

3. To sign out

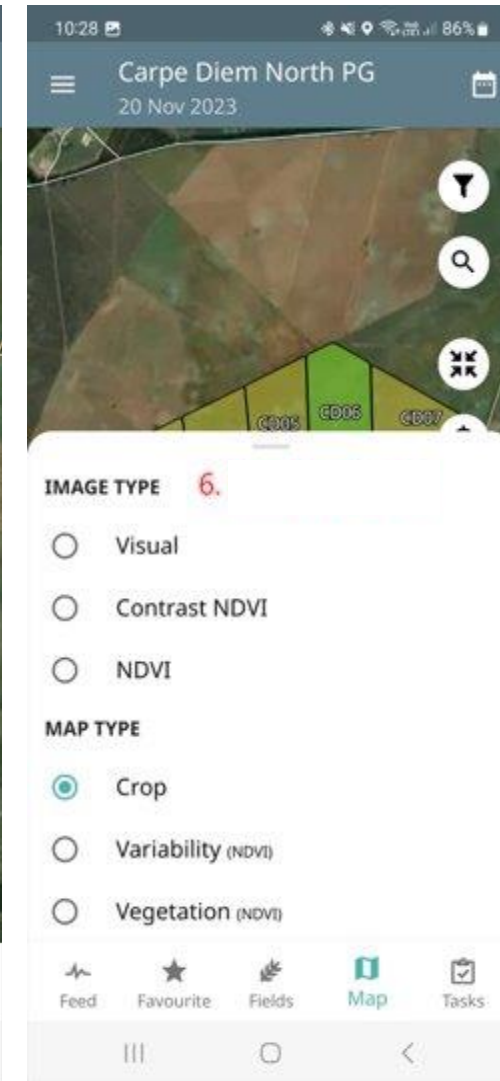
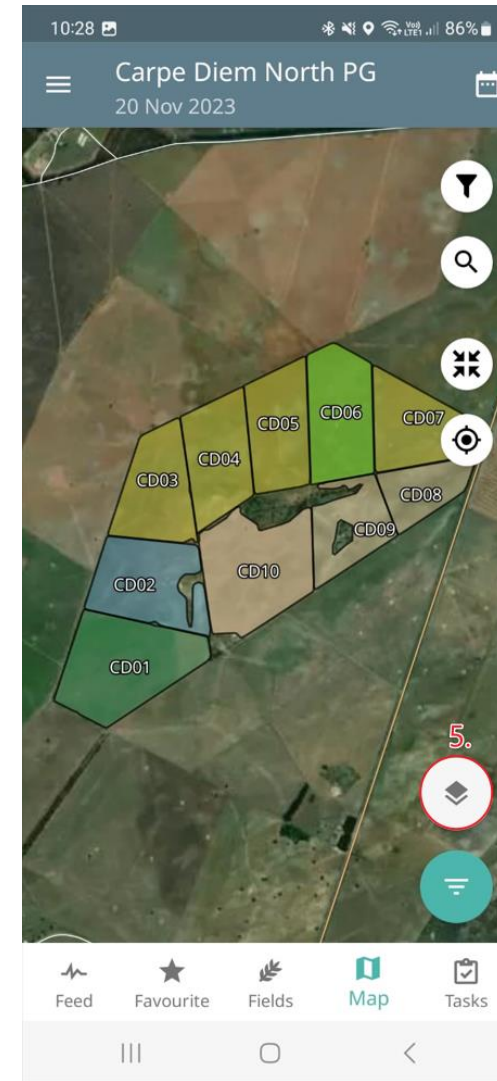
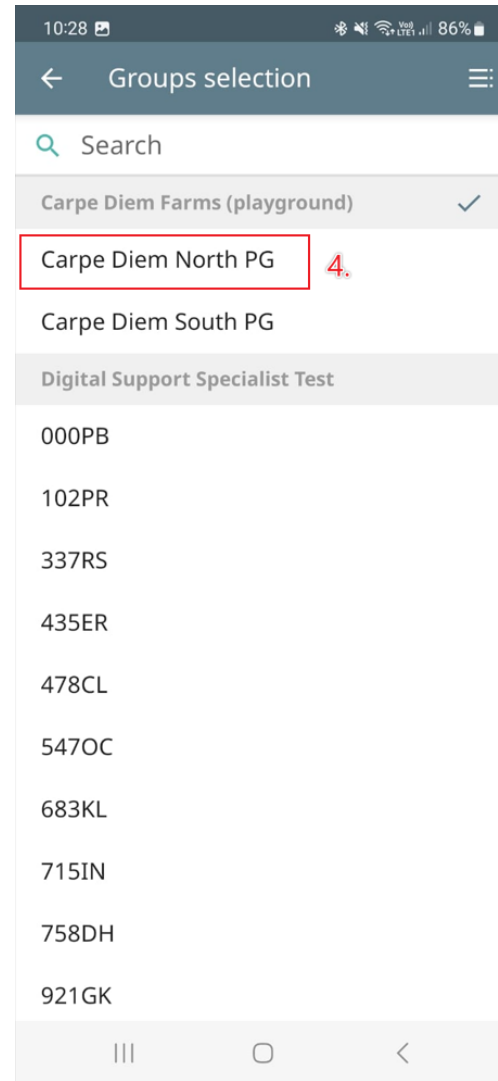
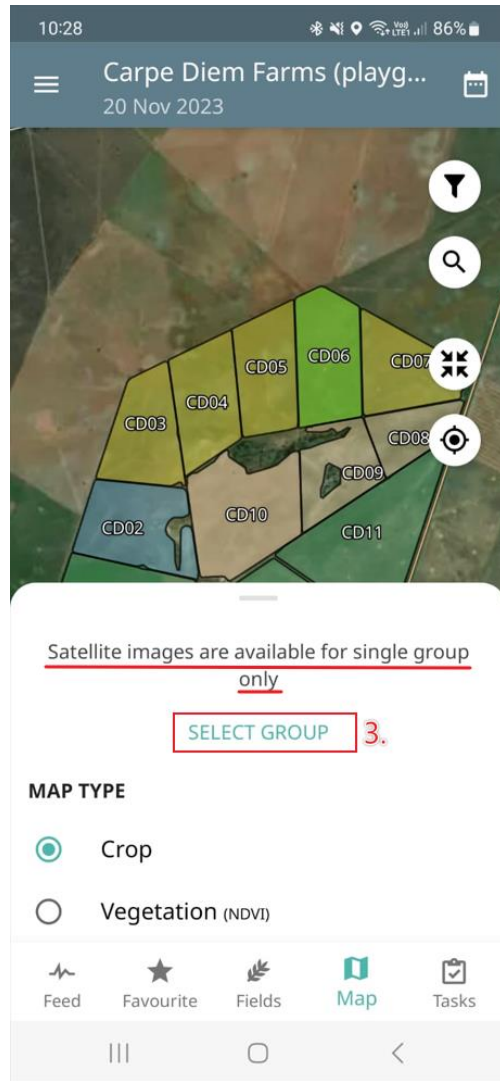
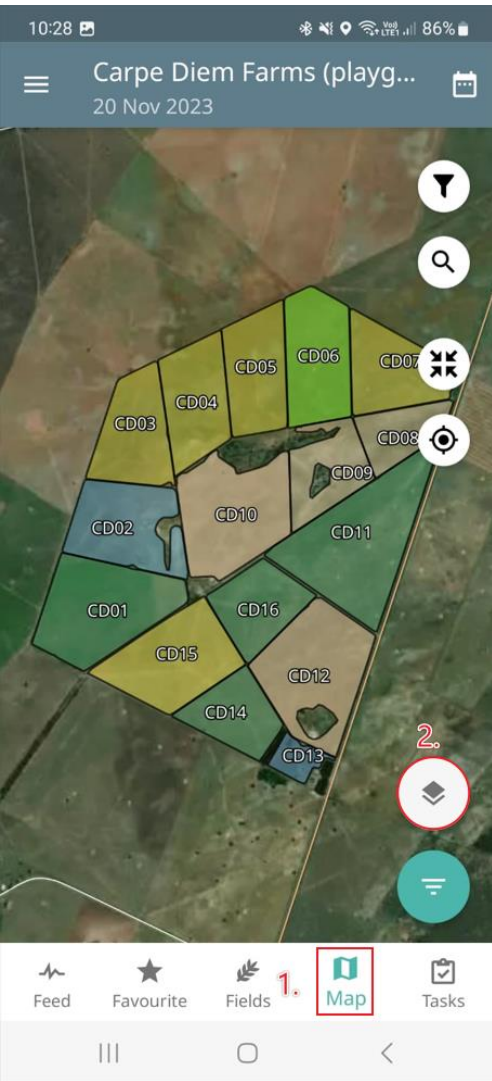
Navigation



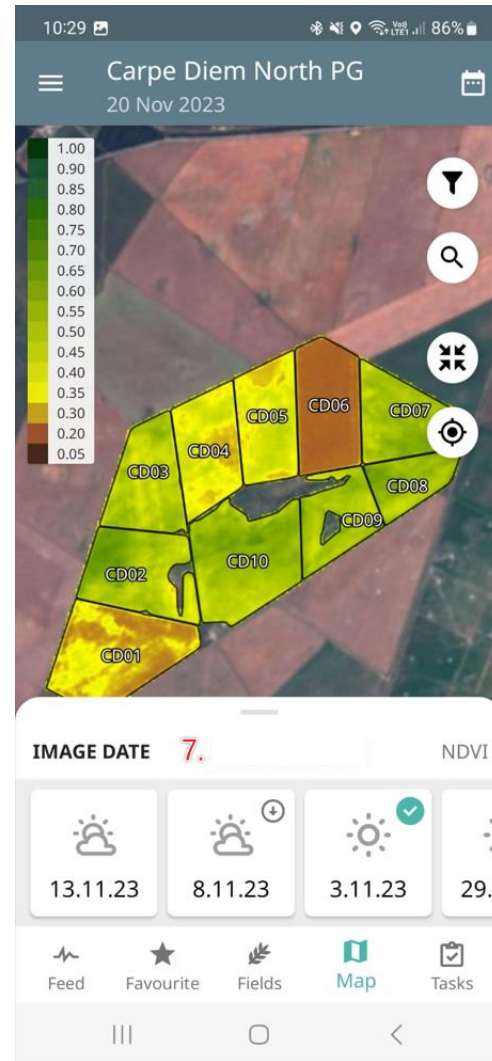
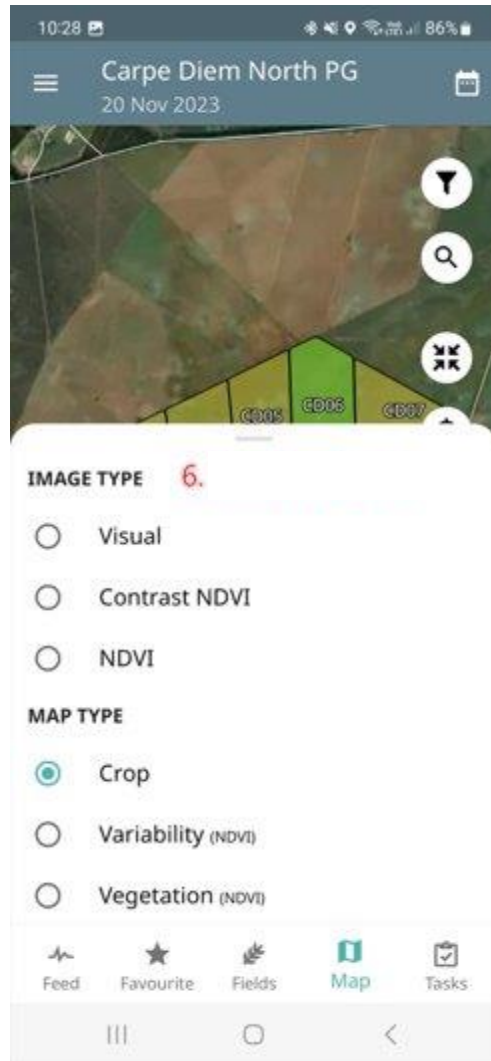
Navigation - bottom panel



Satellite imagery overall

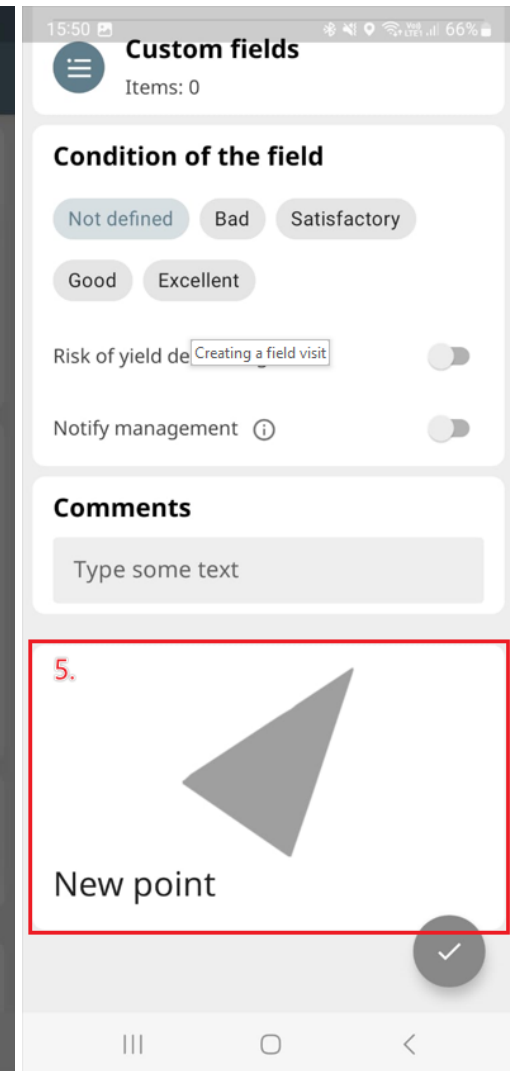
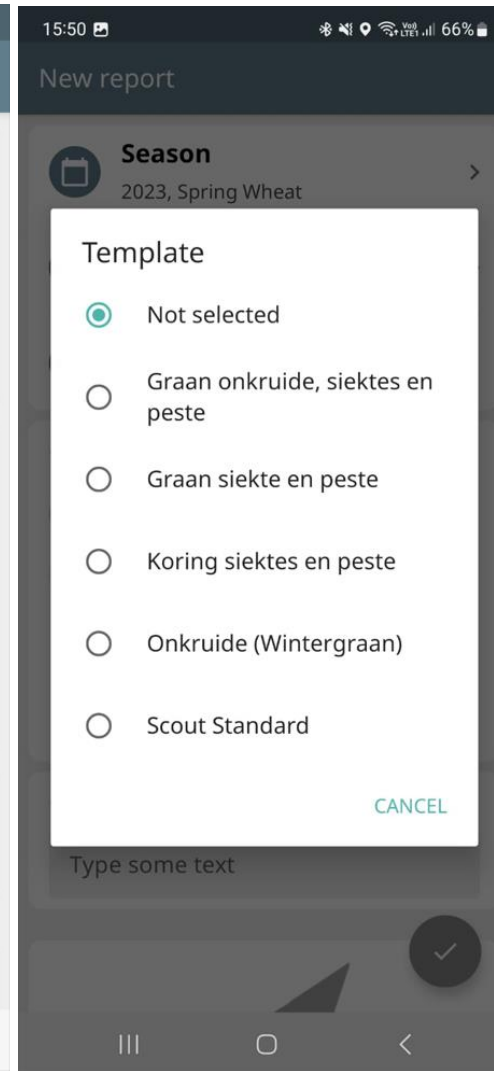
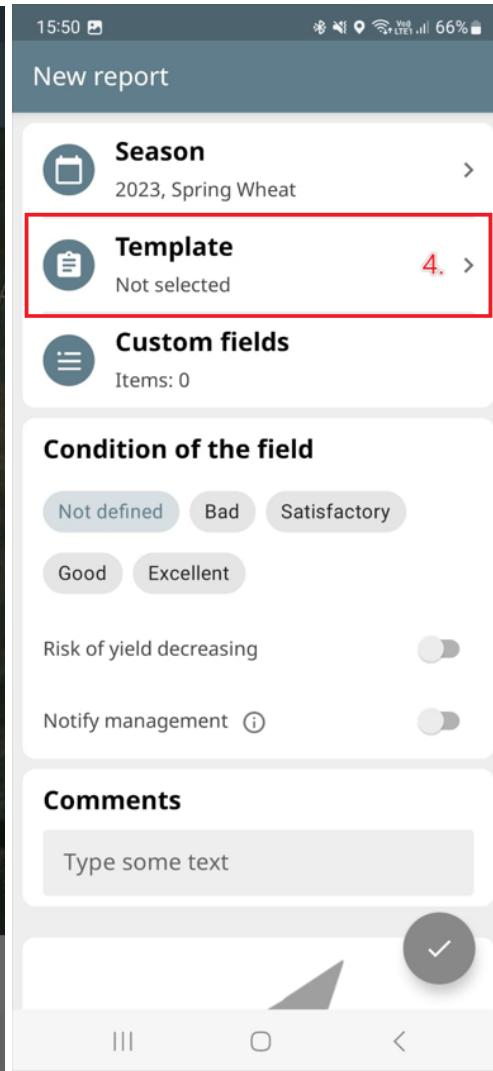
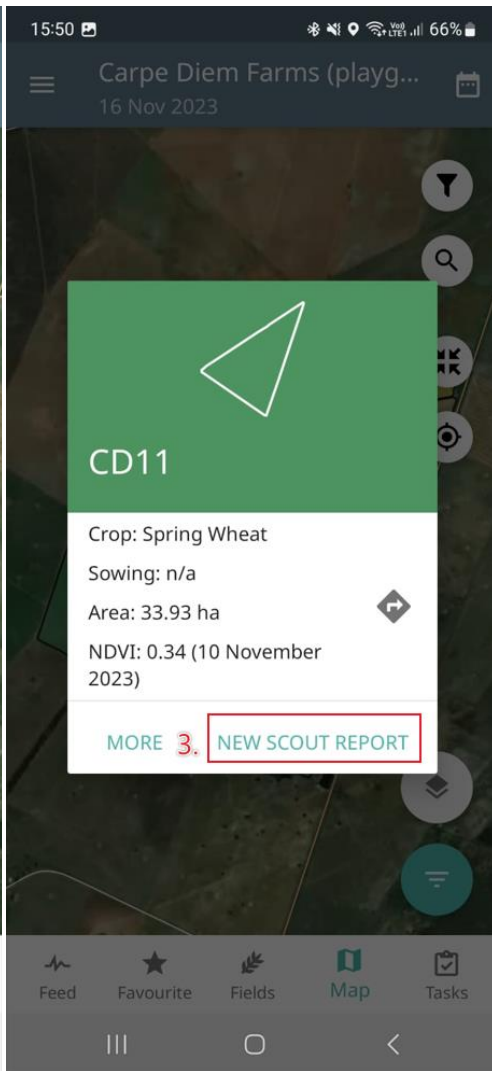
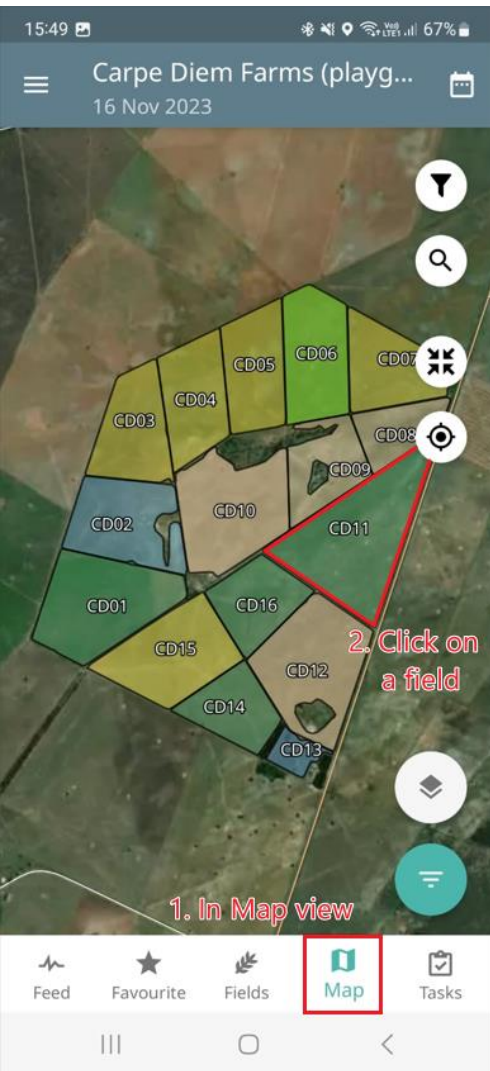


Satellite imagery overall (continue)

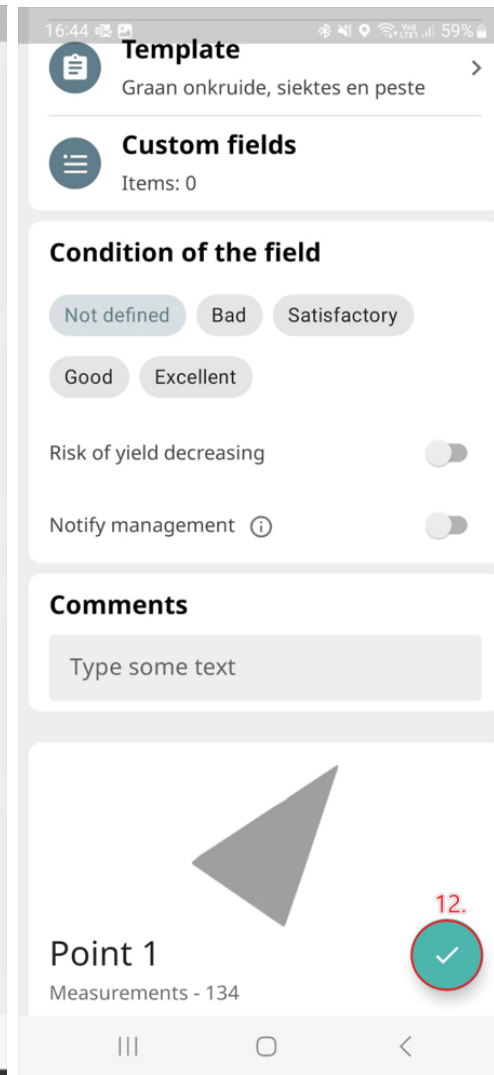
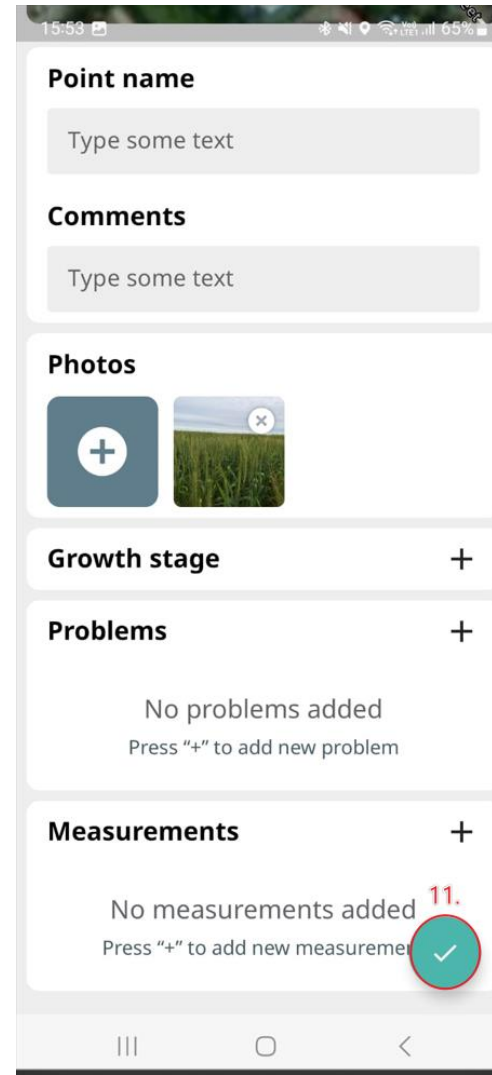
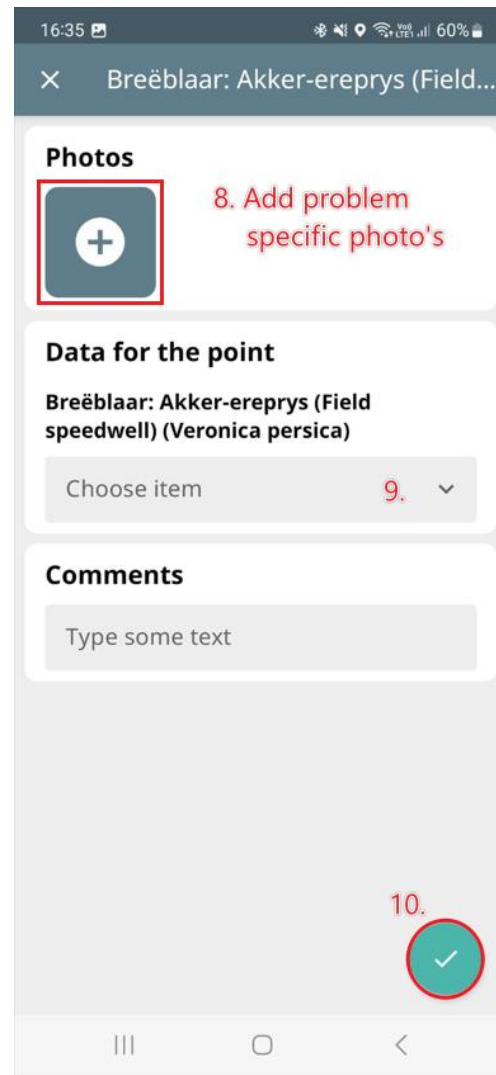
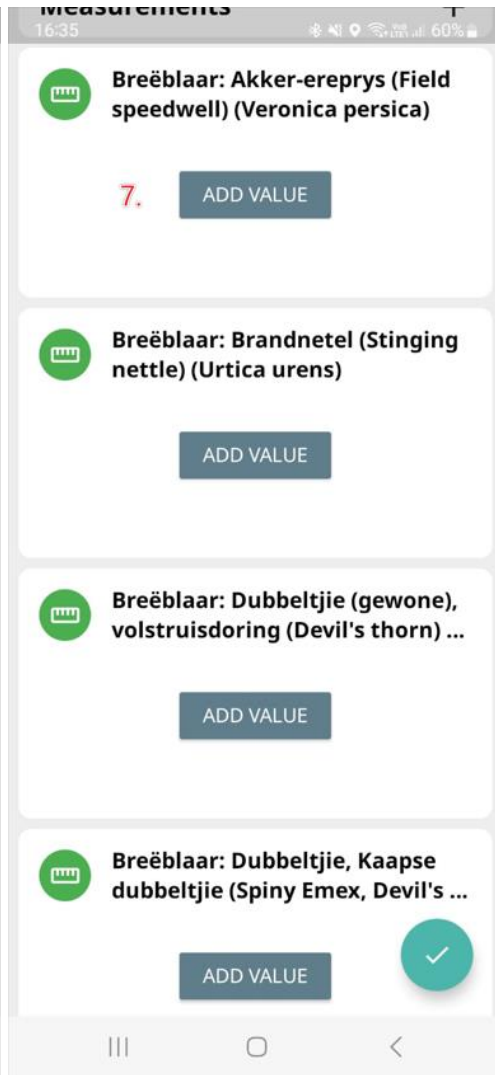
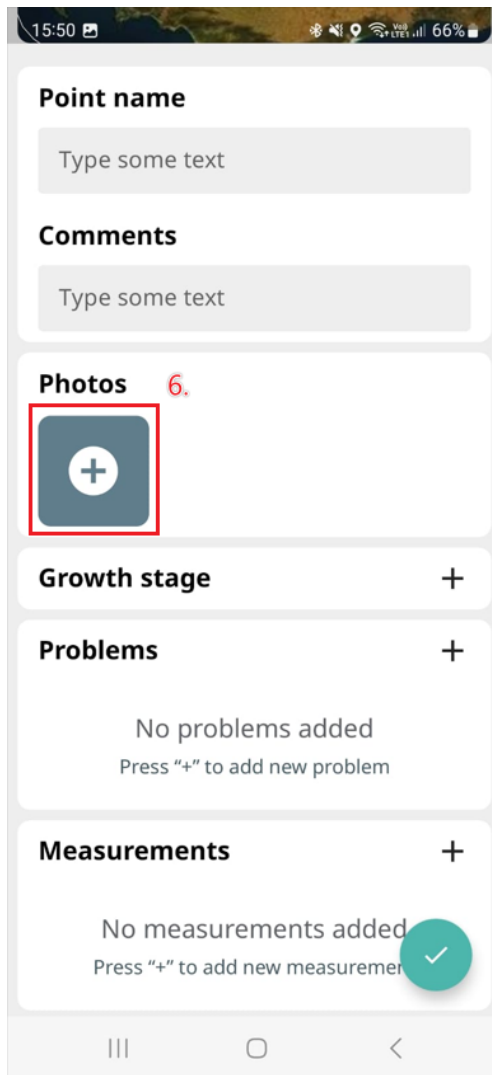


Creating a field visit

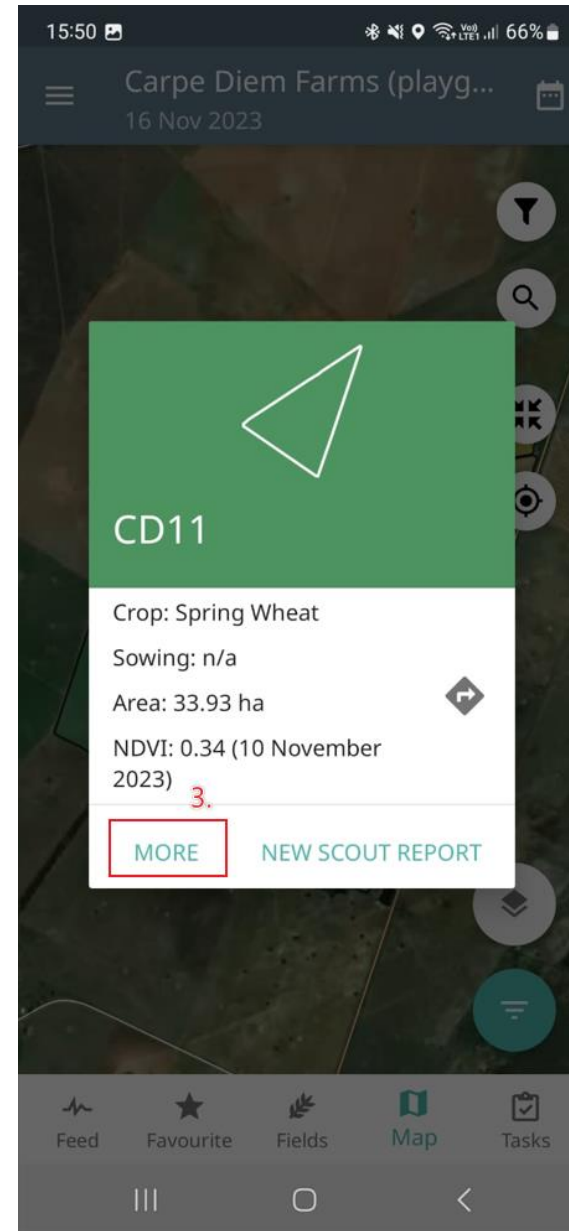
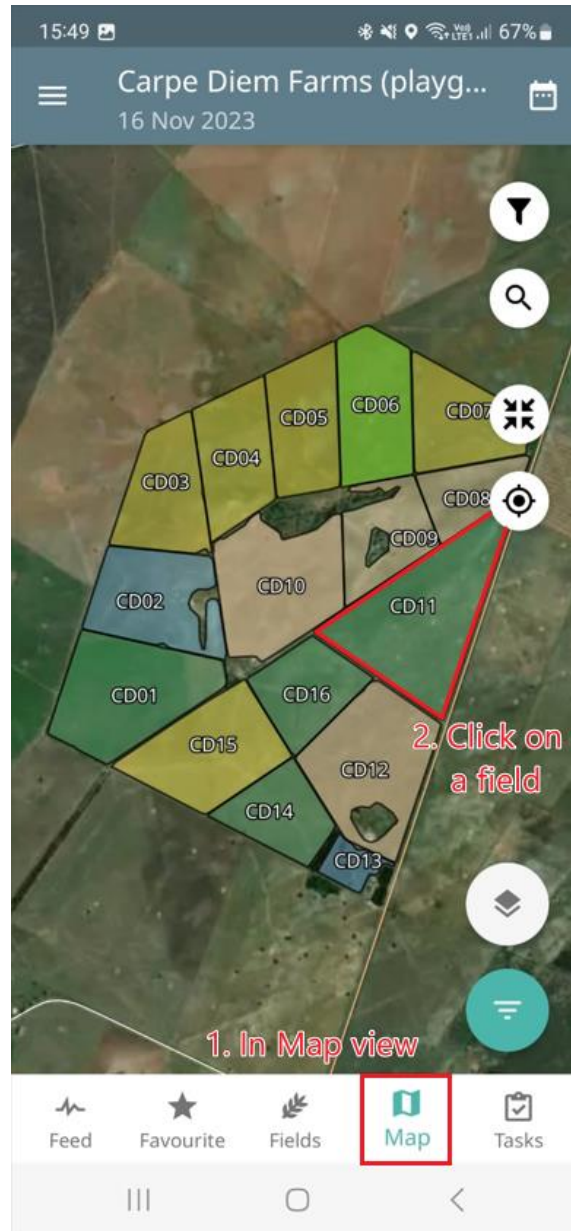
For any custom templates you can contact the Cropwise team.



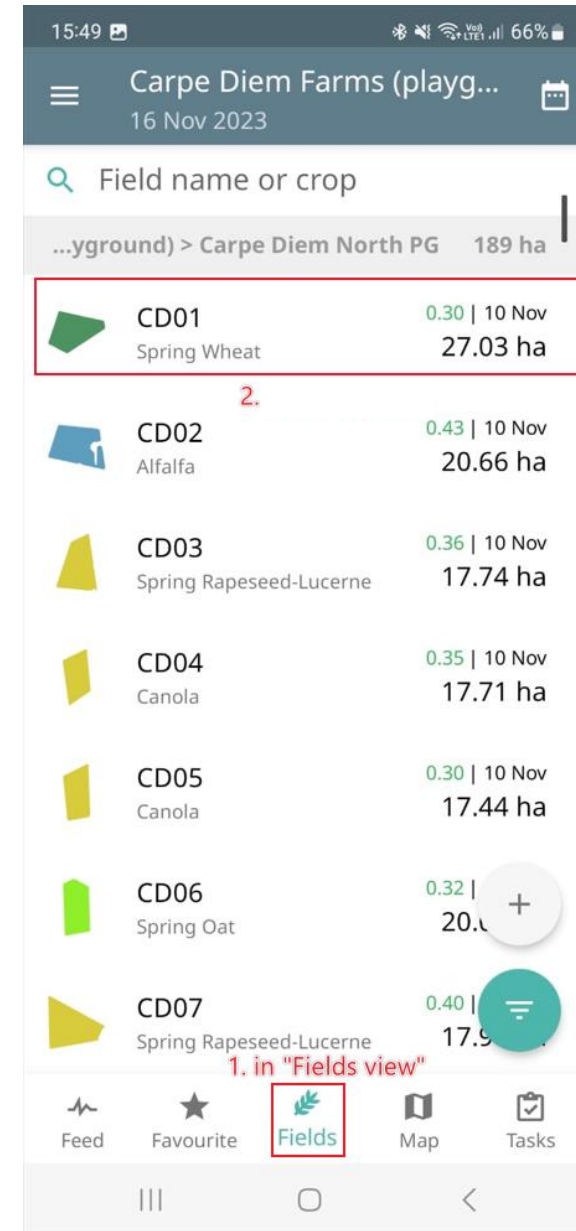
Creating a field visit (continue)



Field information



OR



Field information (continue)



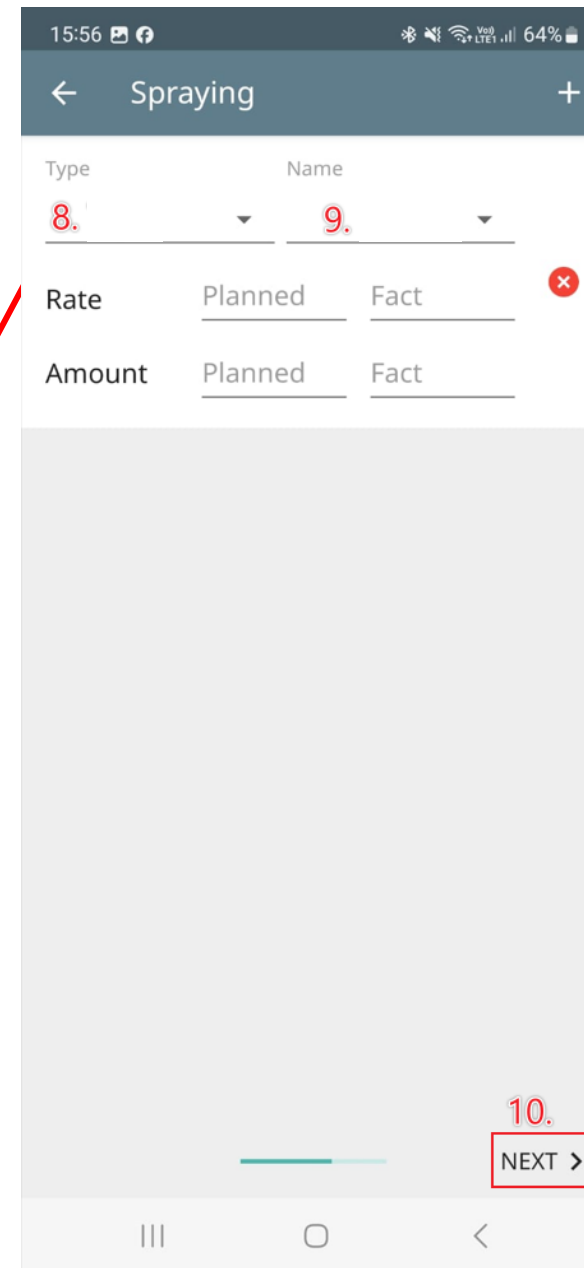
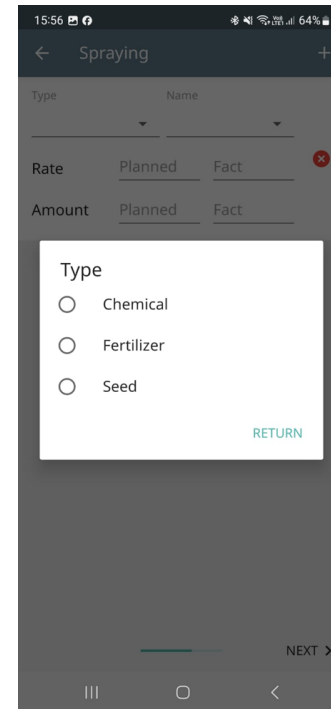
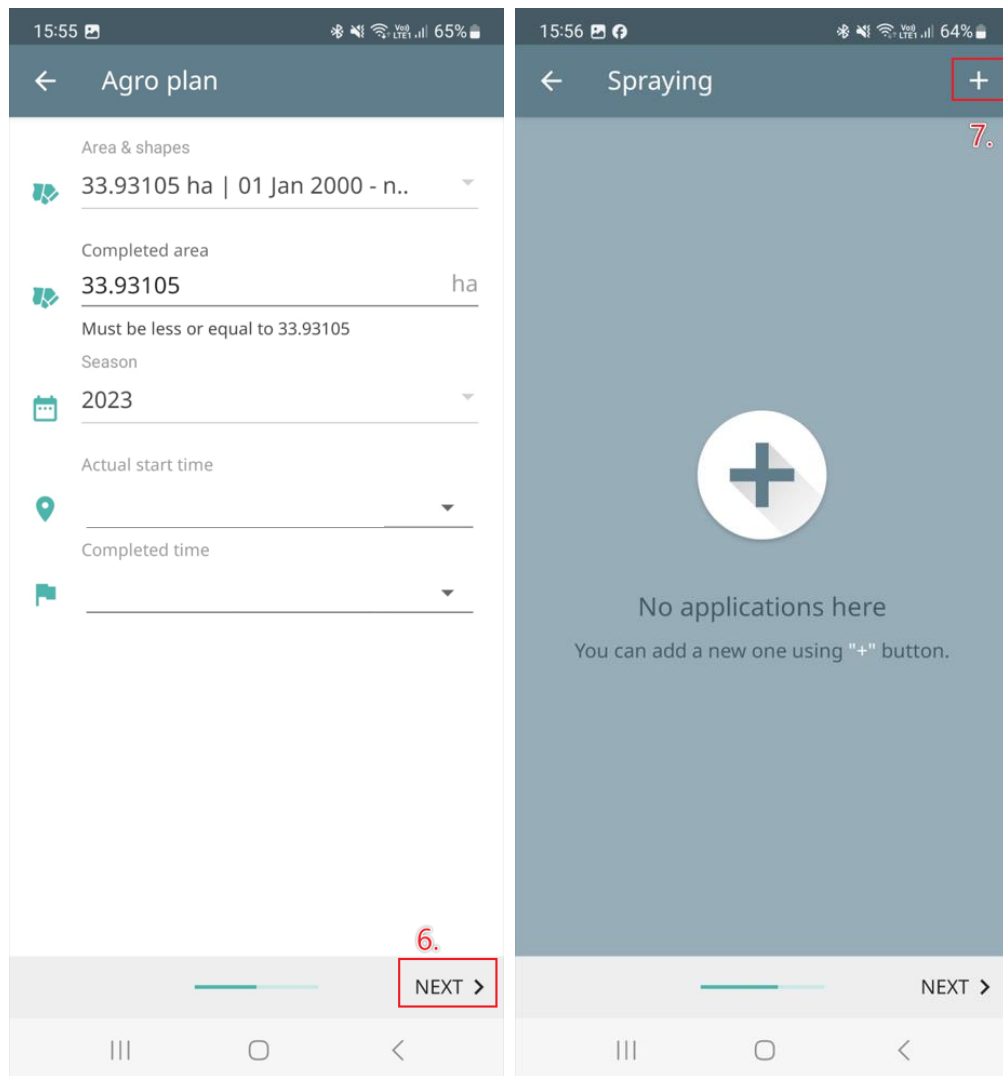
Application records

From fields page

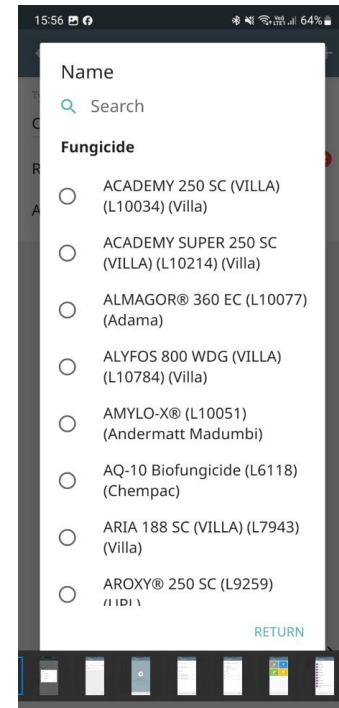
The image displays four sequential screenshots from a mobile application, illustrating the process of recording and managing agricultural operations. Each screenshot is taken at 15:55 and shows a 65% battery level.

- Field Details (CD11):** Shows field information for CD11 (33.9 ha, Spring Wheat) on 16 Nov 2023. It includes weather data (23°C, 10.8 km/h wind) and a bottom navigation bar with an 'Agro op...' icon circled in red and labeled '2.'. A red '1.' is placed near the precipitation data.
- Work type group selection:** A list of operation types including Harvesting, Soil works, Transport, Service, Other, Application (circled in red and labeled '3.'), Field work, and Establish & Uproot.
- Application selection:** A list of specific application types including Spraying (circled in red and labeled '4.'), Spreading, Sowing, Re-sowing, Over sowing, Other, Fertigation, Irrigation, and Skouer en punt / Shoulder and point.
- Status selection:** A grid of status options: Planned, In progress, Completed (circled in red and labeled '5.'), and Canceled.

Application records (continue)



Adding new products must be done on the web application



Application records (continue)

15:57 64%

← Spraying

Planned water rate l/ha

Fact water rate l/ha

11. **NEXT >**

15:57 64%

← Additional info

Operation number

Operation name

External ID

Additional info

Description

12. **NEXT >**

Custom items can be added by contacting the Cropwise team

15:57 64%

← Custom fields

A1. Recommended by (crop advisor)
 Choose item

A2. Recommendation reference
 Type some text

A3. Issued by (manager)
 Choose item

A4. Assignee: Spray Operator
 Choose item

A5. Assignee: Handler/mixer
 Choose items

A7. Crop growth stage
 Choose item

A8. Targets / Reason 13.

15:57 64%

ALL COMPLETED IN PROGRESS PL

✓ Application/Spraying
Spring Wheat
16 Nov 2023 - 16 Nov 2023
Completed 16 Nov 2023
Number of applications: 1

+

Info History Map Reports Agro op...

Satellite images per field

From fields page

The screenshots illustrate the user interface for viewing satellite images of a specific field (CD11) on a mobile application. The interface is divided into several sections:

- Field Information:** Displays the field name (CD11), area (33.9 ha), and crop type (Spring Wheat). It also shows sowing and harvesting dates (n/a).
- Weather:** Shows the current temperature (23°C) and wind speed (10.8 km/h) for Thursday, 16 Nov. A forecast for the next few days is also visible.
- Scout Reports:** A section for viewing reports, with options to 'ADD NEW' or 'SEE ALL'. It shows reports for Nov 16 and Oct 30.
- Precipitation:** A bar chart showing precipitation in mm, with a total of 451 mm for the period shown.
- Map View:** A satellite image of the field CD11, with a red circle (2) highlighting a specific area of interest.
- Image Selection:** A menu for selecting the image type (3) and map type (4). The image type options are Visual, Contrast NDVI, and NDVI. The map type options are Default, Variability (NDVI), and Vegetation (NDVI).
- Image Date:** A menu for selecting the image date (4), showing a list of dates: 13.11.23, 3.11.23, 29.10.23, and 24.11.23.

Add a field on the app (Google Android)



☰ All groups
02 Jan 2024

🔍 Field name or crop

Carpe Diem Farms > Carpe Diem North 189 ha

CD01	Spring Barley	0.22 28 Dec	27.03 ha
CD02	Alfalfa	0.29 28 Dec	20.66 ha
CD03	Not defined	0.27 28 Dec	17.74 ha
CD04	Not defined	0.28 28 Dec	17.71 ha
CD05	Not defined	0.24 28 Dec	17.44 ha
CD06	Not defined	0.24 28 Dec	20.57 ha
CD07	Alfalfa	0.37 28 Dec	17.91 ha
CD08		0.36 28 Dec	

🏠 📅 🗺️ 📋 2

Feed Favourite Fields Map Tasks

← New field ↶ ⋮

- Klik punte in op kaart
- Klik (+) om 'n punt volgens ⊕ posisie by te voeg
- Klik (✓) om land te skep

Perimeter: 3.375 km Area: 40.455 ha

← New field ↶

- Tik land se naam in

T Field name

- Kies plaas naam

🗺️ Field group ▾

📄 Description

✓



Cropwise
Operations

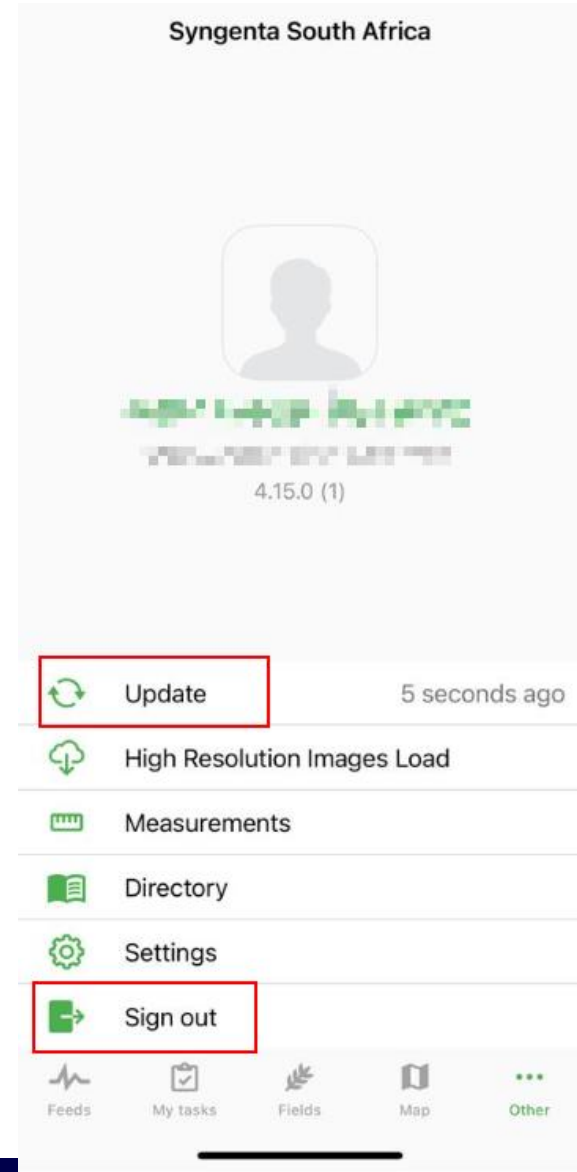
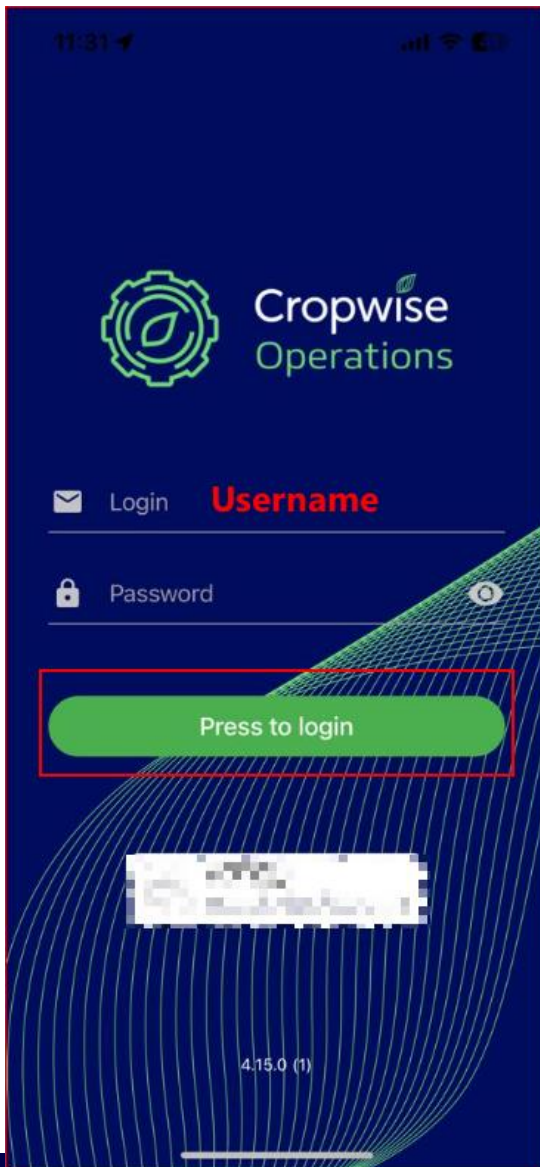
How to use Cropwise Operations?

Mobile application (Apple iOS)



Mobile App for iPhone and iPad

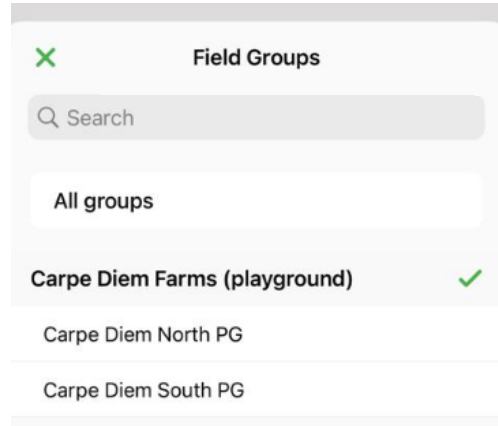
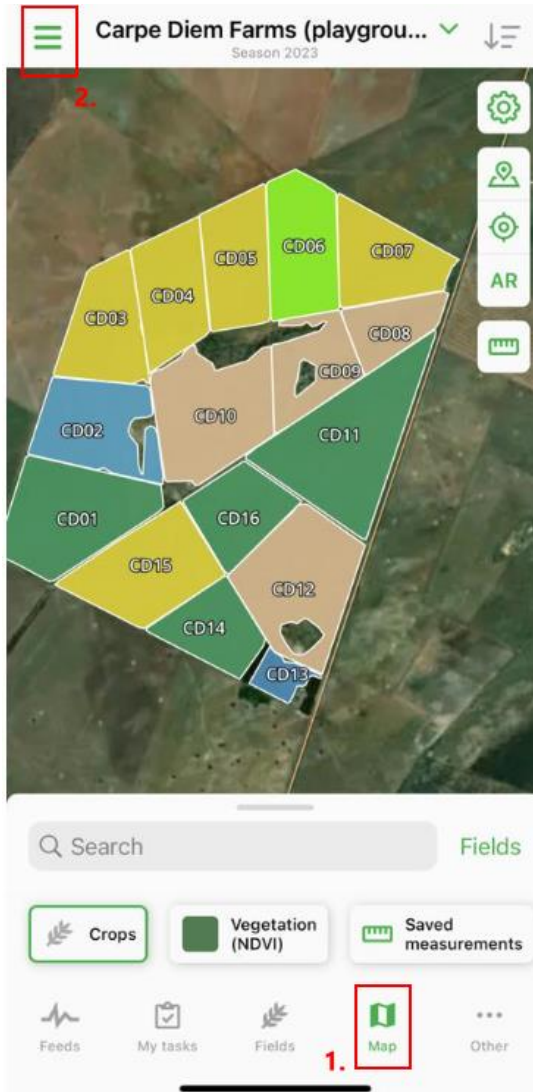
Sign in



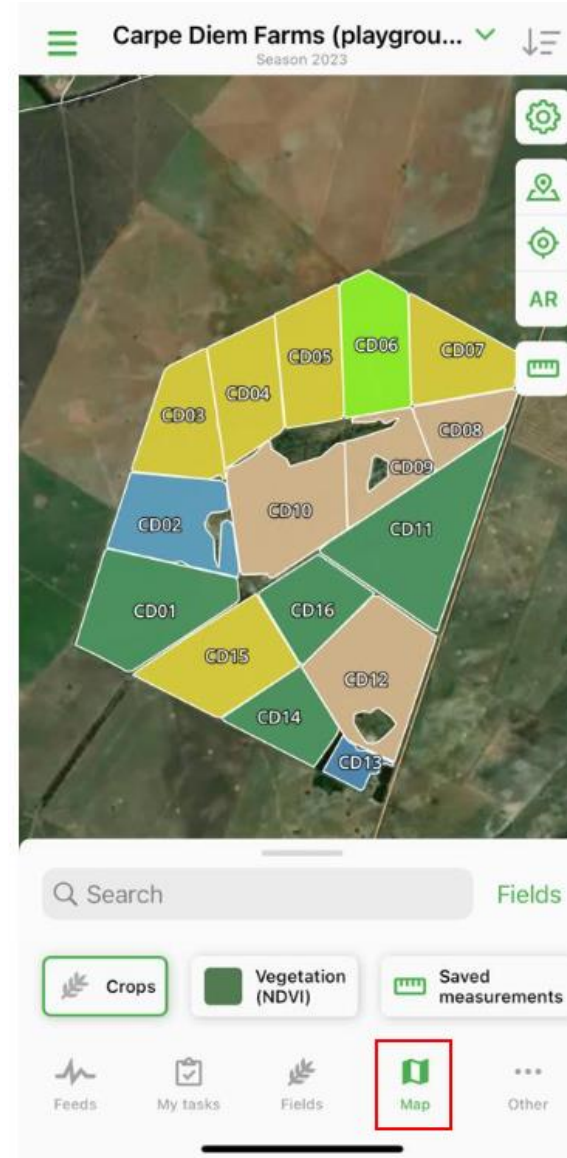
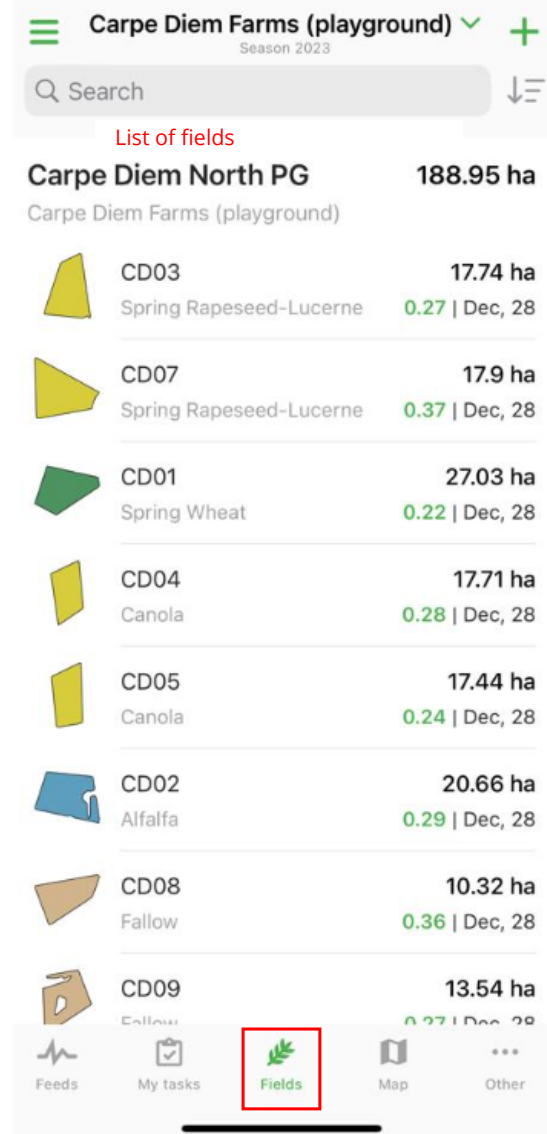
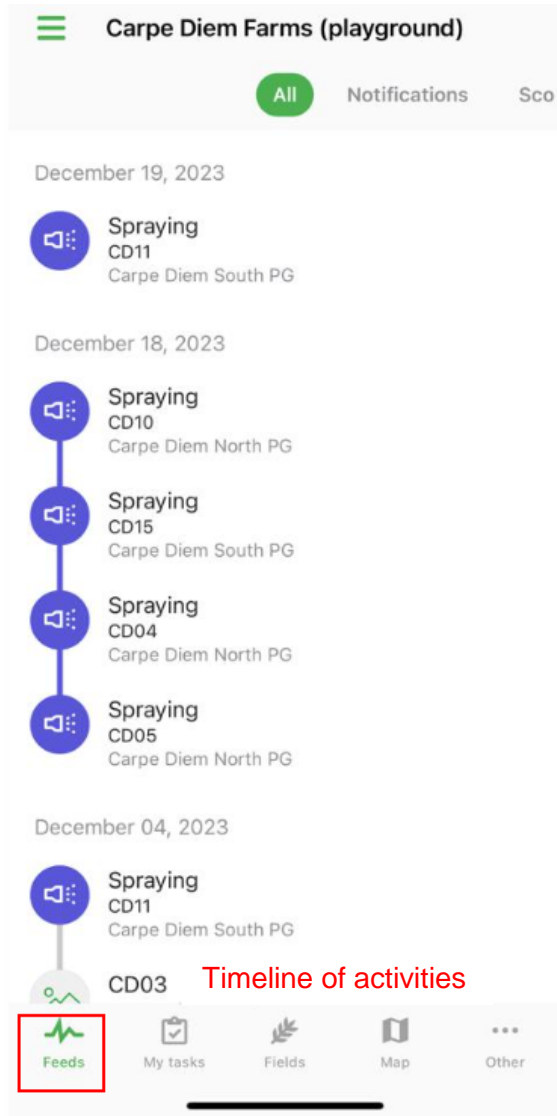
1. To send data captured on mobile to webpage
2. To send data from webpage to mobile application

3. To sign out

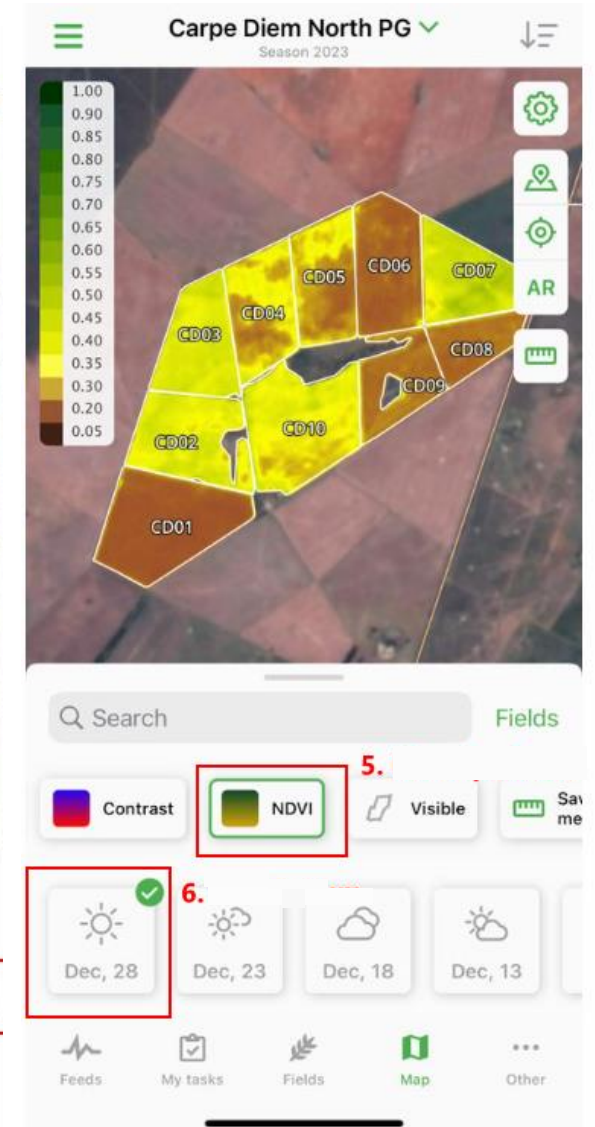
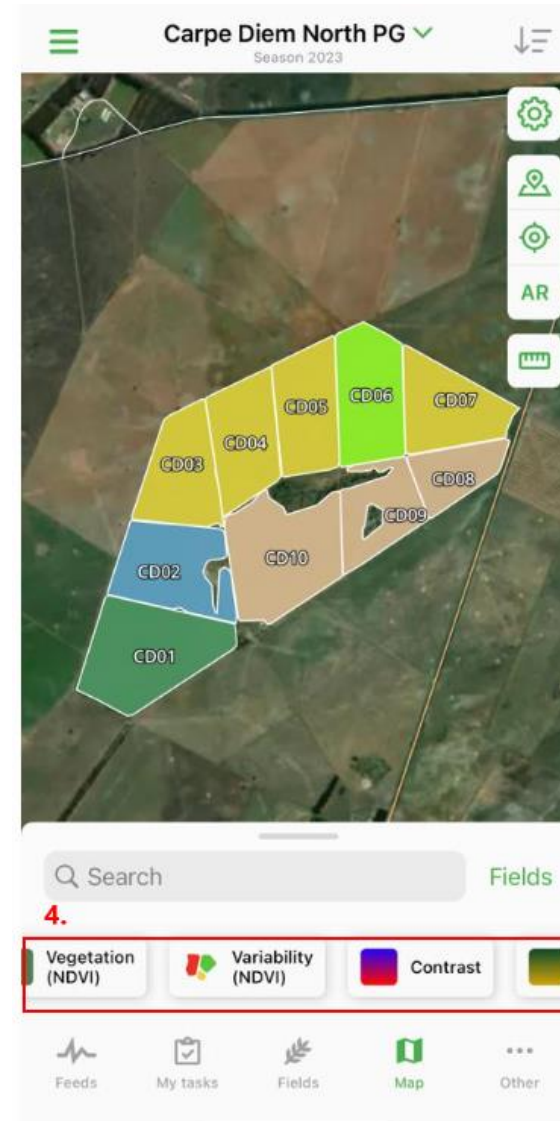
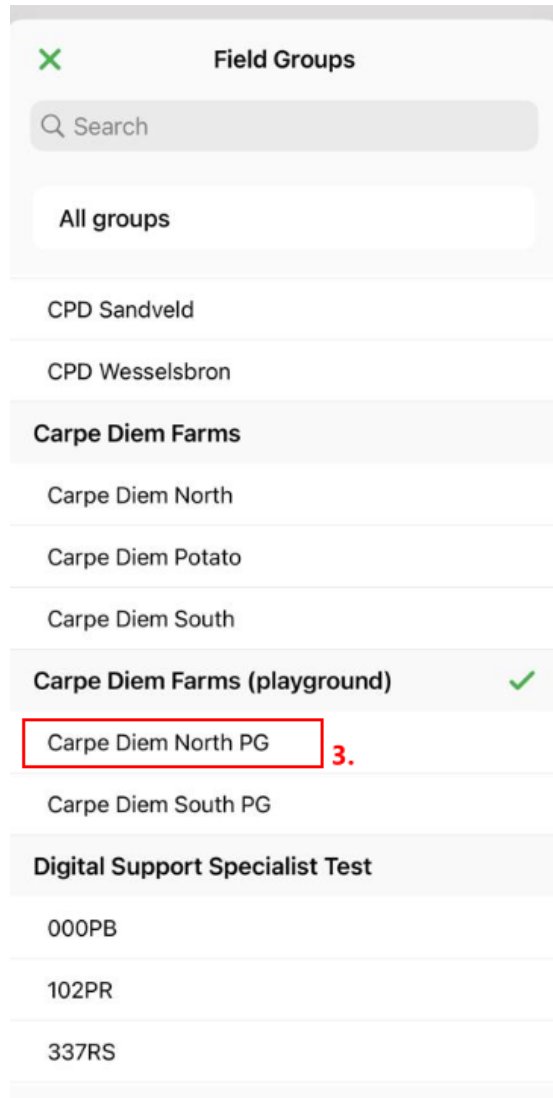
Navigation



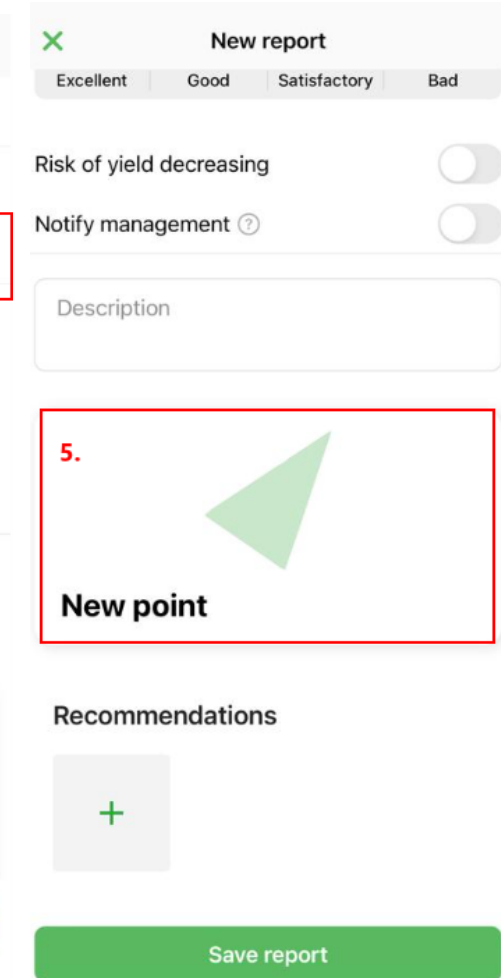
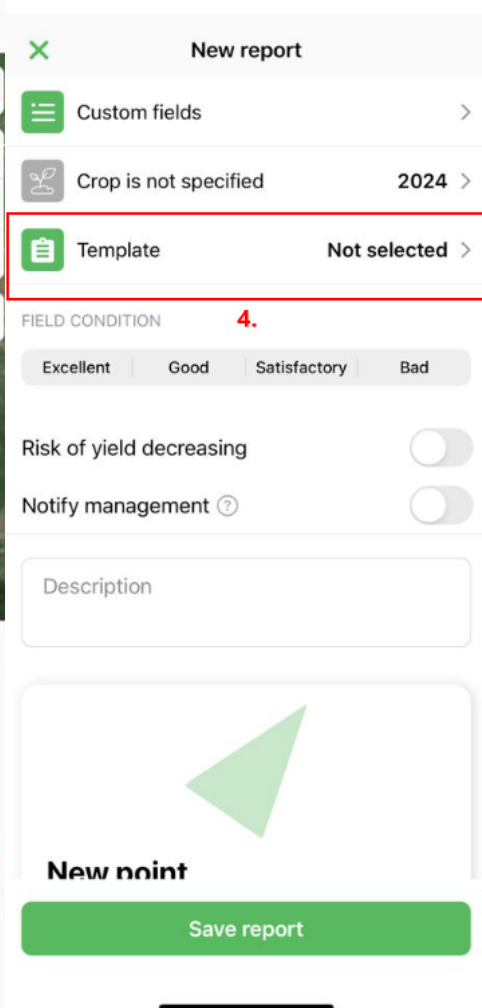
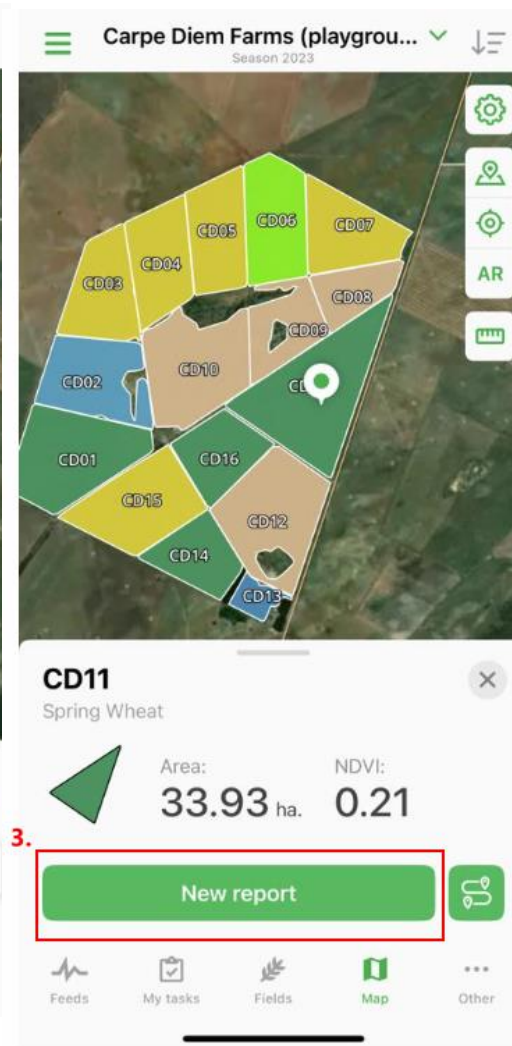
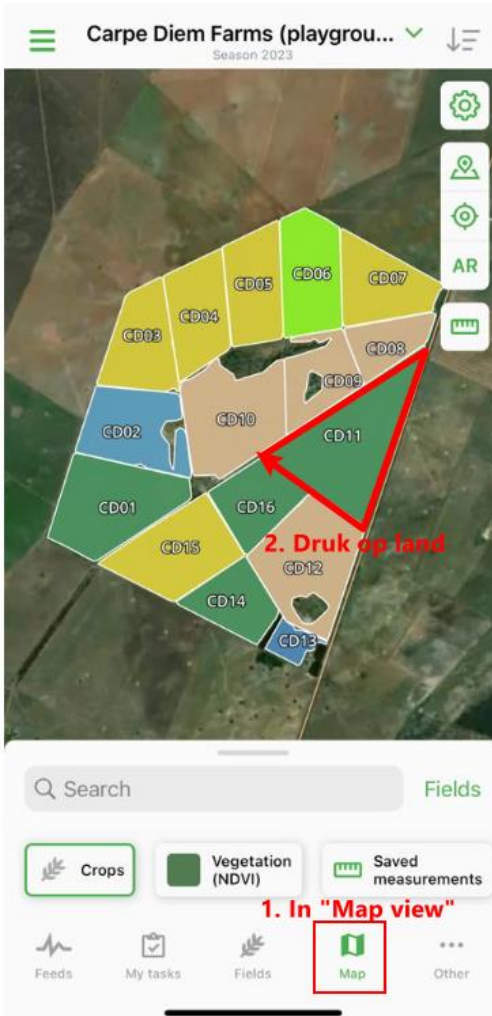
Navigation-Bottom panel



Satellite imagery as a whole

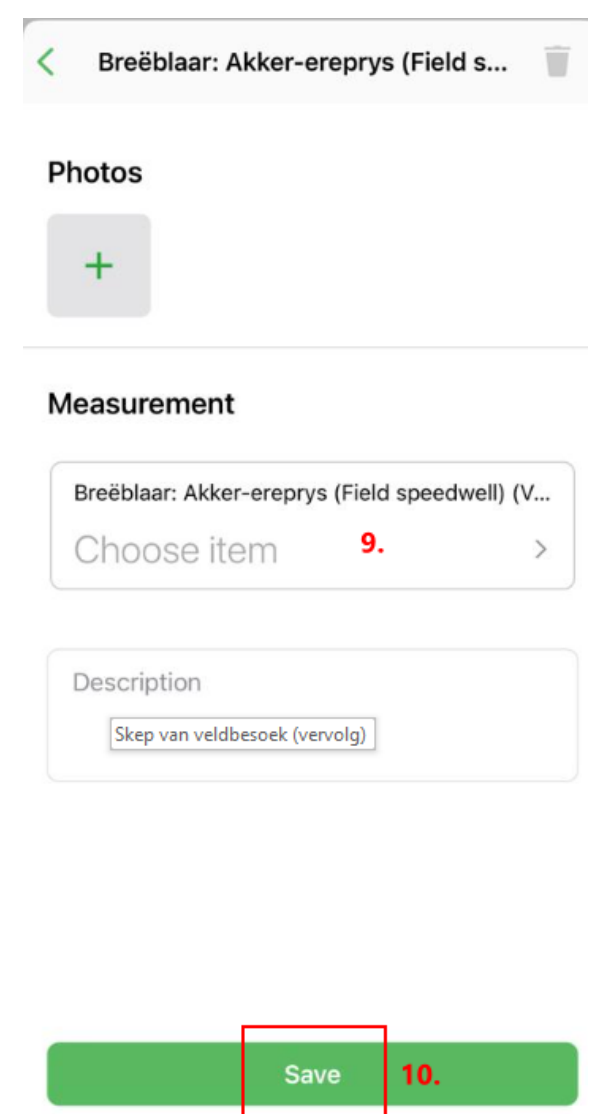
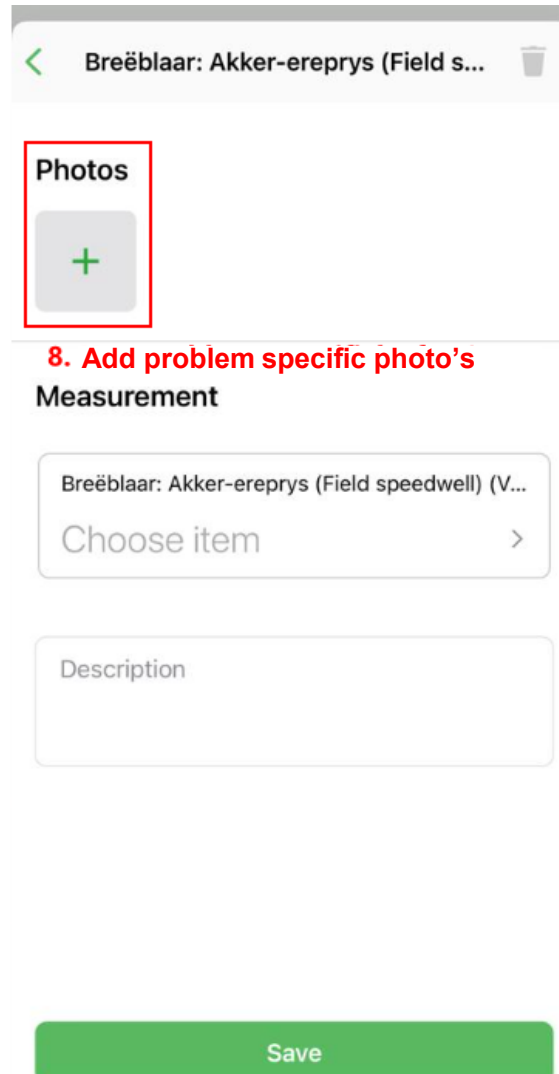
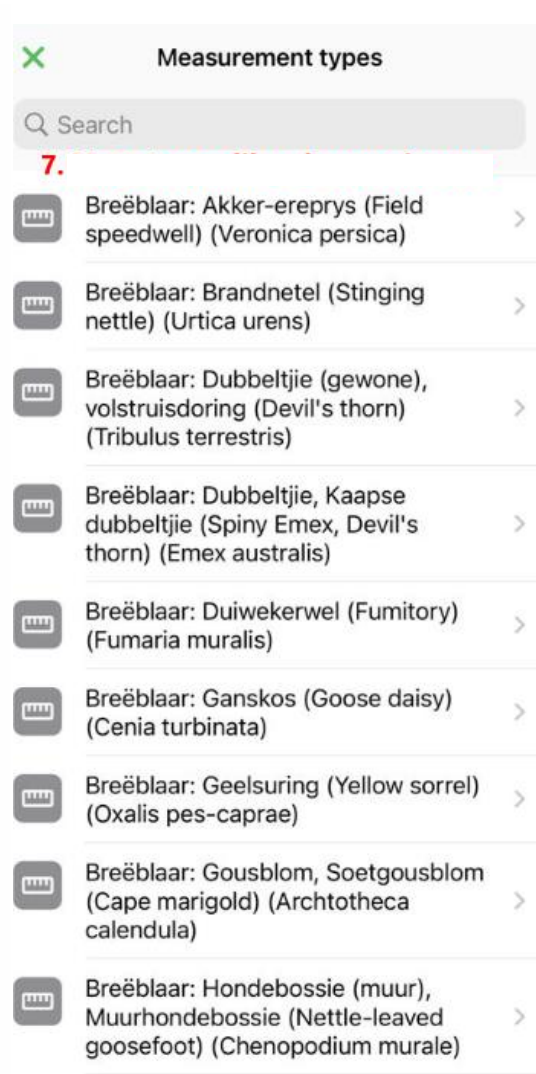
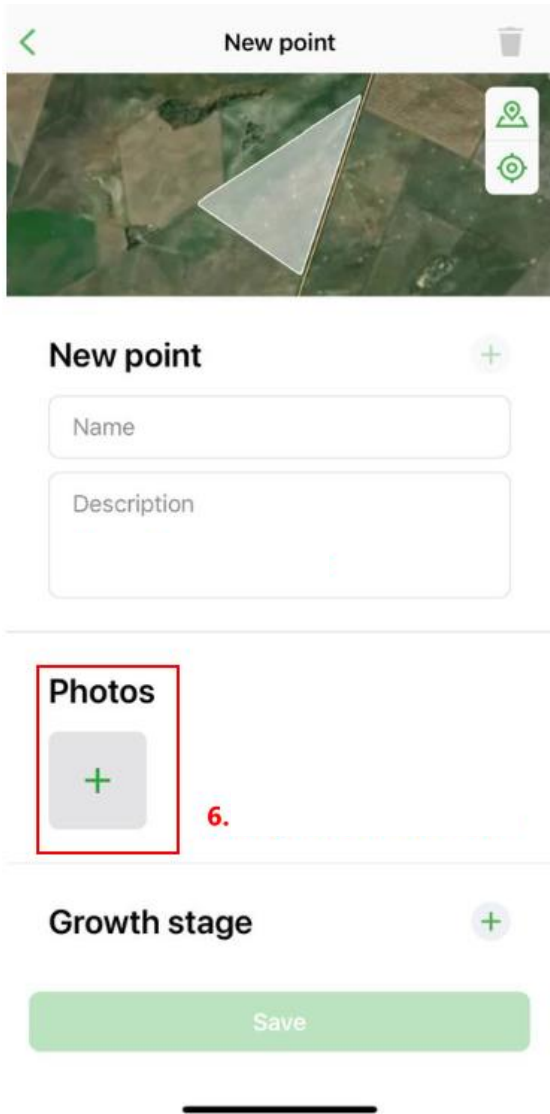


Creating a field visit (observation)

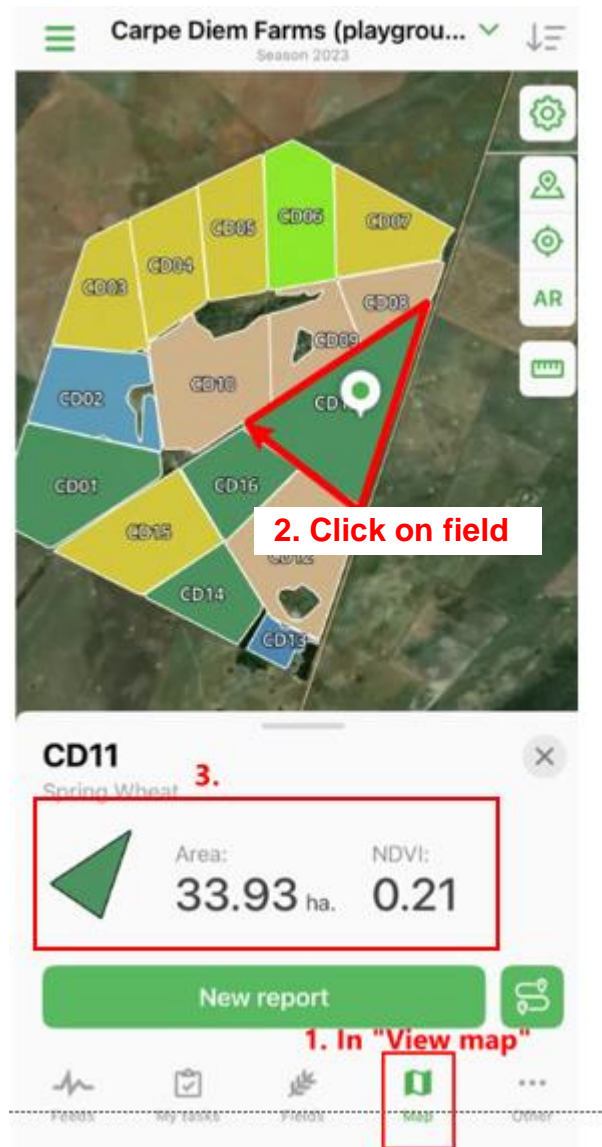


For any custom templates the Cropwise team can be contacted

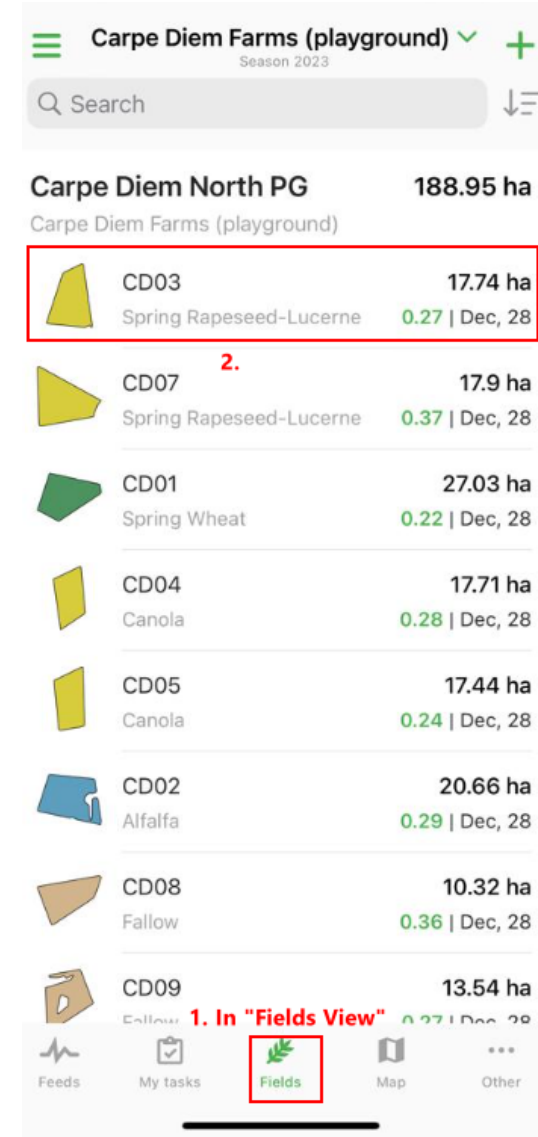
Creating a field visit (continue)



Field information




OR



Field information (continue)

11:38 📶 🔋 40

CD11 ▼ ☆
Data for December 31, 2023



Updated 30 seconds ago 🔄

Weather All

☁️ 26 °C, Tuesday 02 Jan
🌬️ 3 m/s 🌿 67%

☀️ 26 °C 12:00 ☀️ 27 °C 13:00 ☀️ 26 °C 14:00 ☀️ 26 °C 15:00

Scout Reports + All

📷 Nov 16, 2023 1 points 📷 Oct 30, 2023 1 points

☰ Custom fields 1 >

🌾 Spring Wheat 33.93 ha.
Sowing — Harvesting —

Precep., mm ←

11:38 📶 🔋 40

CD11 ▼ ☆
Data for December 31, 2023

Precep., mm ▼

— — —
7 days 30 days From 1 Jan

Soil moisture, %

84 37 1
0-70 mm 70-280 mm 280-1000 mm

Productivity, ton... Carpe Diem South PG
Actual Estimation

— — 3.2
— — 2.7 2.7

Vegetation index All

0.21 0.22
Average by group

GDD ▼ 10 °C

— —

Agro Operations + All

11:38 📶 🔋 40

CD11 ▼ ☆
Data for December 31, 2023

0.21 All
Average by group

GDD ▼ 10 °C

— —

Agro Operations + All

Dec 19, 2023 Dec 04, 2023 Nov 16, 2023

🗣️ Application Spraying 🗣️ Application Spraying 🗣️ Application Spraying

History All

2022 2021
🌾 Canola 🌾 Spring Wheat

Tasks All

🕒 30 October, 2023 🕒 ⚠️ 30 October, 2023

Application records

CD11 ▼ ☆
Data for December 31, 2023 0.21 0.22
Average by group

GDD ✓ 10 °C

1. + All

Agro Operations

Dec 19, 2023 Dec 04, 2023 Nov 16, 2023

Application Spraying Application Spraying Application Spraying

History All

2022 2021

Canola Spring Wheat

Tasks All

30 October, 2023 30 October, 2023

Work type group

2. Application Harvesting

Soil Transport

Service Other

Field work Establish & Uproot

Work types

3. Spraying

Spreading

Sowing

Re-sowing

Over-sowing

Other

Fertigation

Irrigation

Skouer en punt / Shoulder and point

Status

Planned In progress

4. ✓ Completed ✗ Canceled

Application records (continue)

Agro operations plan

Completed area*
33.93 ha
Must be less or equal to 33.93 ha

Season
2024

Start time
12:00 AM, January 2

Completed time
11:40 AM, January 3

5. Next

Adds

No records of application

6. Add

Add

Type 7.

CP product

Fertilizer

Seeds

8. CP product

Name

Save

- APHIDEW (L9187) (Nutrico)
- AQUA CORRECT (L9547) (Nutrico)
- AQUABUFF (L5451) (Villa)
- AQUABUFF PLUS (L9210) (Villa)
- AQUATIC BUF (L8836) (Nutrico)
- AQUATIC GLIFO (L9052) (Nutrico)
- AQUATIC GLIFOFUL (L8837) (Nutrico)
- AQUATIC PH (L8839) (Nutrico)

Application records (continue)


Add

Type 9.


CP product

Fertilizer


Seeds

 CP product


CLASS ACT NG (L10477)... >

 Planned rate

2 l/ha

 Planned amount

67.8621 l

 Fact rate

2 l/ha

Save

Adds

CP product: 10.

CLASS ACT NG (L10477) (Villa)

Planned rate:	Planned amount:
2 l/ha	67.8621 l
Fact rate:	Fact amount:
2 l/ha	67.8621 l

Next

Custom items can be added by contacting the Cropwise team

Additional info

Operation number

Operation name




Additional info

Description

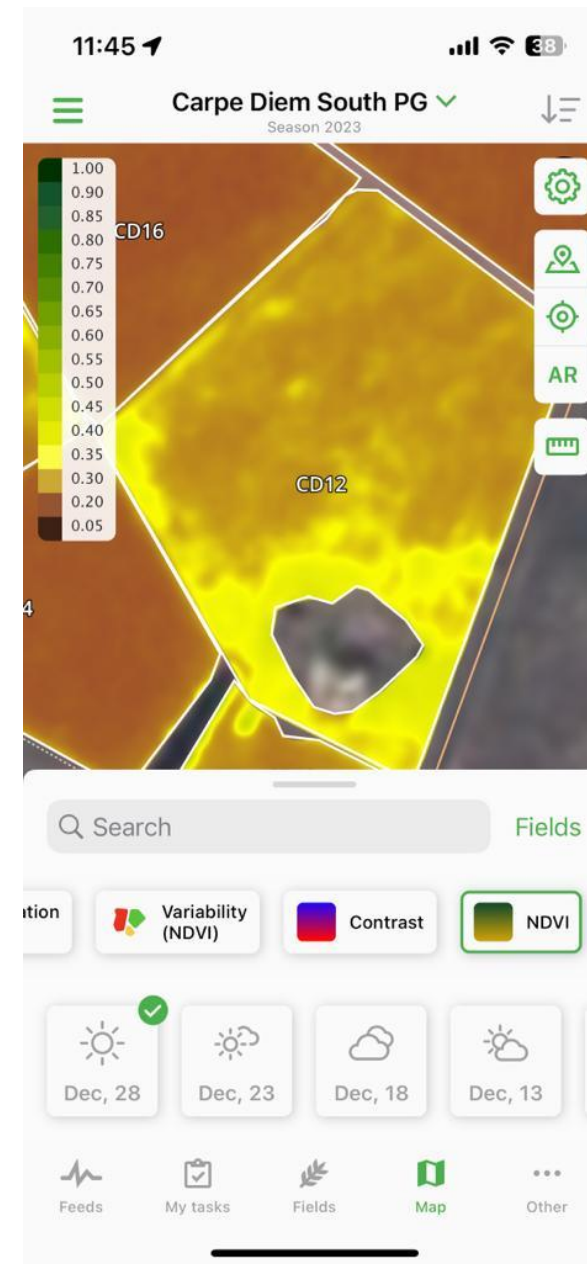
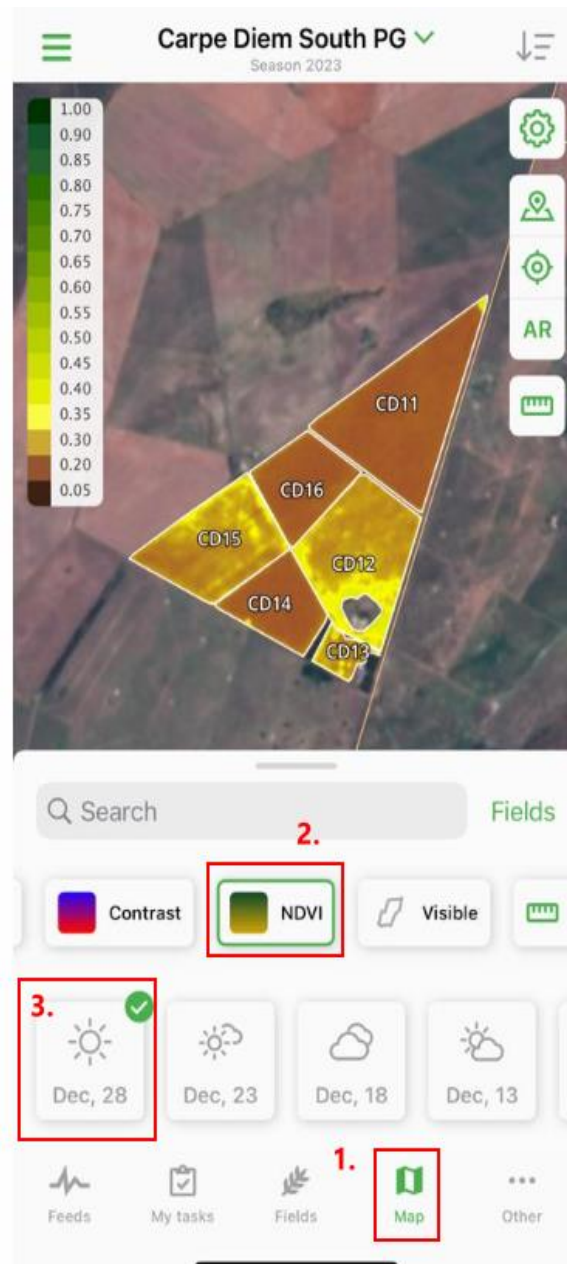
11. Custom fields

A1. Recommended by (crop advisor)

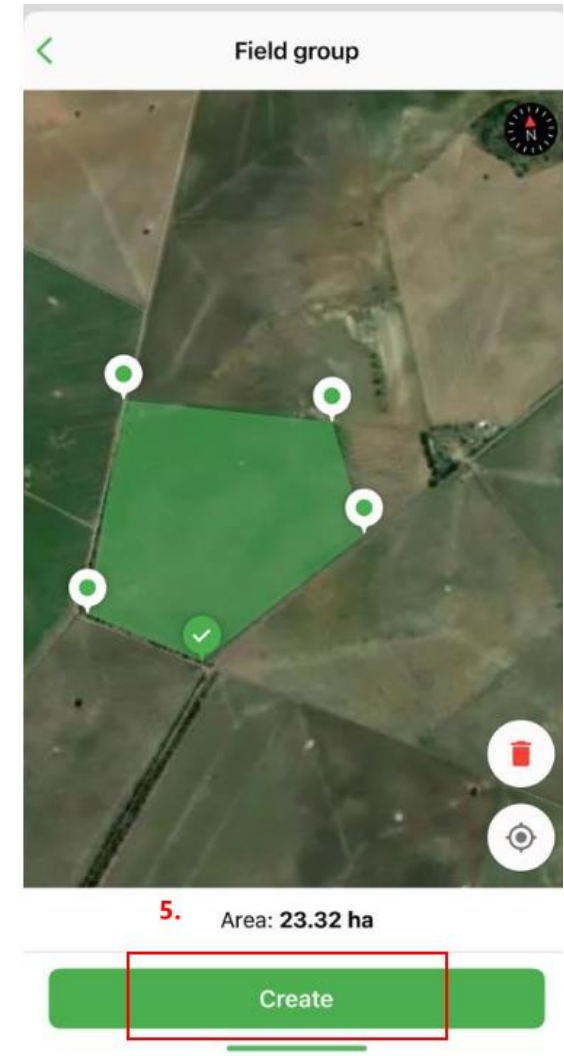
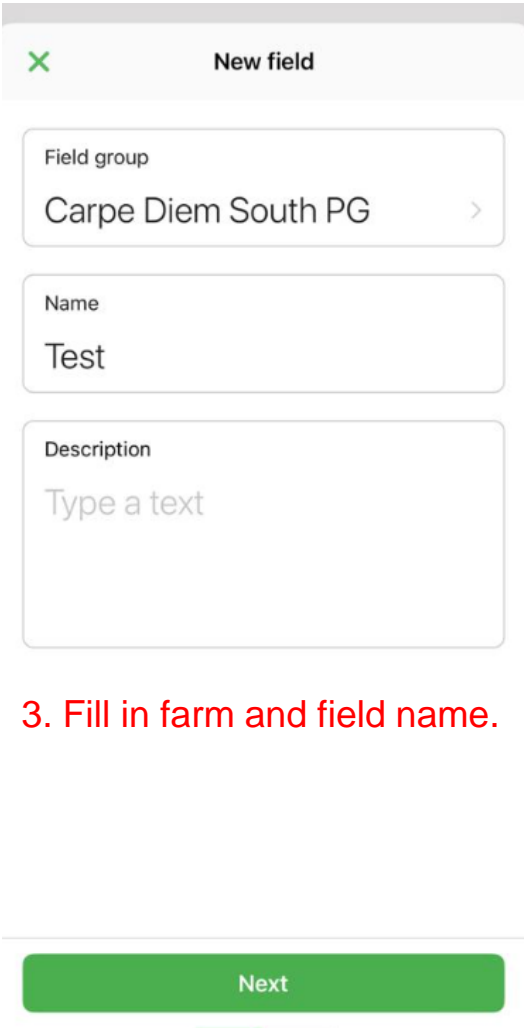
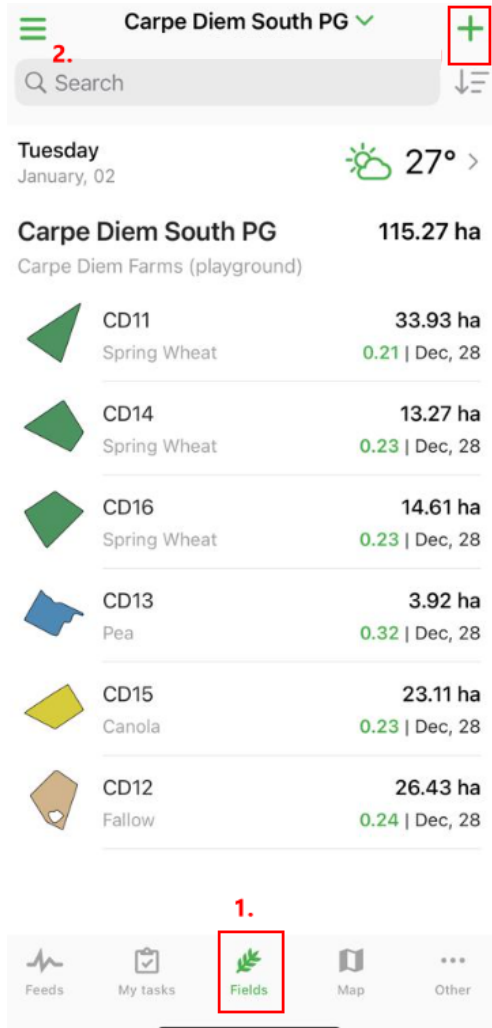
Finish

- Agro Operations**
- All Planned In progress
- Search
-  **Spraying Application**
Jan 02, 2024 — Jan 02, 2024
Area: 33.9 ha.
 -  **Spraying Application**
Dec 19, 2023 — Dec 19, 2023
Area: 33.9 ha.
 -  **Spraying Application**
Dec 04, 2023 — Dec 04, 2023
Area: 33.9 ha.
 -  **Spraying Application**
Nov 16, 2023 — Nov 16, 2023
Area: 33.9 ha.

Satellite images per field



Add a field on the App (Apple iOS)





Cropwise
Operations

How to use Cropwise Operations?

Other functionalities



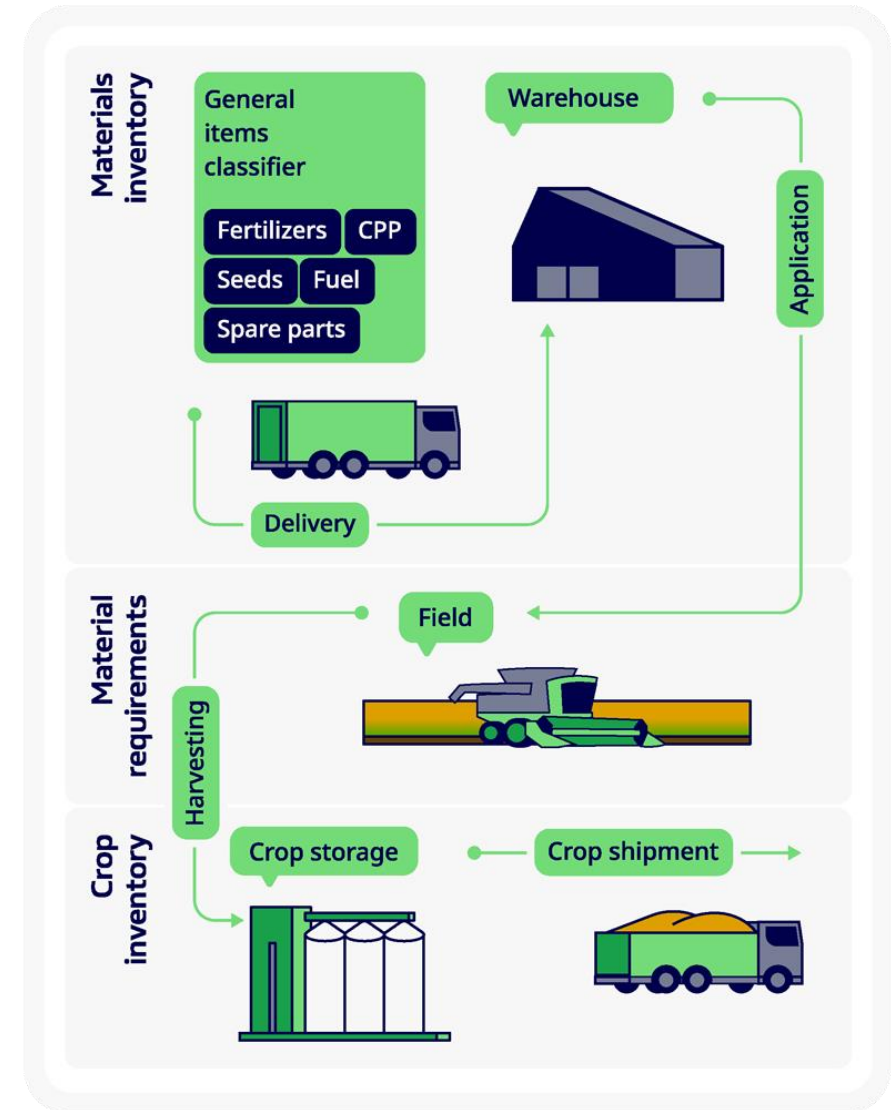
Mobile App for iPhone and iPad

Warehouse and Stock Management (WMS)

The feature enables growers to streamline their farm's inventory items, monitor and regulate inventory movement, and conveniently control stock levels from a centralized location.

- create a single directory of inventory items on the farm
(CP products, fertilizers, seeds, spare parts, fuel, crops, etc.),
- record purchase, relocation, and write-off operations,
(includes costing per item and field)
- plan seasonal inventory items requirement,
- monitor actual inventory stock,
- track all the materials issued to agronomists, drivers, and other personnel

Ask our Digital Support Specialists for more information about this feature.





Cropwise
Operations

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Reach out to our digital support specialists for online or on-farm assistance

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