T7 Auto Command™ PLM Intelligence™

T7 Operator Quick Reference Guide

T H WHITE
AGRICULTURE

Introduction

This guide is designed to serve as a useful companion inside the cab of the new T7 Auto Command™ with PLM Intelligence™, helping the operator to quickly & clearly understand the main tractor functions and their operation. The main functions and buttons are summarised and their operation explained with the aid of symbols and images. For a more detailed explanation please refer to the operator's manual.

Introduction

This document is designed as a useful guide for operators to understand the setup and operation of tractors equipped with PLM Intelligence, with specific focus on auto-guidance features and ISOBUS. Telematics and fleet management features available through the MyPLM®Connect portal are also explained.

For a more detailed explanation of these features, please refer to the Software Operating Guide in the monitor or contact your dealer.


12:31
Engine Speed
0 RPM
System Speed
0.00 km/h
ESM 1
ESM 2
Work Lights
Instrument Camera
OFF
Trip Fuel Used
0.0 L
Set Temperature
P
R27
0.00 km/h
F3 50.0
F2 35.0
F1 7.70

1. CommandGrip™ Multifunction Handle

Shuttle shift

Engages forward travel.
Press and hold for anti-jack knife braking.

N Shifts the transmission into neutral when held for 3s.

Engages reverse travel.

Autoguidance engage

AUTO Engages automatic steering if all the conditions for engagement are met. Also applies for automatic steering over ISOBUS. To disengage automatic steering turn the steering wheel.

Thumbwheel

Adjusts the maximum setting of current target speed.

Speed range selector

Selects the next higher target speed: F1 > F2 > F3.

Select the next lower target speed: F3 > F2 > F1.

Cruise control

Engages cruise mode.
The tractor will accelerate to the selected target speed.

Configurable button

7 Activates the function assigned by the operator.

2nd function button

Hitch fast raise/lower

Raises rear hitch to upper limit. Raises the front hitch with 2nd function button depressed.

Lowers the rear hitch to working depth.
Keep depressed for fast drop mode. Lowers the front hitch with 2nd function button depressed.

Stop

Stops rear and front hitch movement, disengages the rear and front Power Take-Off (PTO), stops ISOBUS automation and flow to the remote valves.

Remote valve

LH – Starts an extend timer or extend flow.

LH – Starts a retract timer or retract flow.
Commands float with the 2nd function button pressed.

RH – Starts an extend timer or extend flow.

RH – Starts a retract timer or retract flow.
Commands float with the 2nd function button depressed.

Headland step

Advances to the next step in current headland turn sequence if a headland turn sequence is active.

Toggles between ESM1 and ESM2 if no headland turn sequence is active.

2. Throttle keypad pad - Power Take-Off (PTO) controls and panel

Aggressiveness

Changes how aggressively the engine and transmission respond. Press to advance one level through the four settings. Low, two lights for Medium, three lights for High and the two outer most lights for Custom.

Configurable buttons

Activates the function assigned by an operator.

Engine Speed Manangement (ESM) 1

Momentary press to engage speed memory 1.
Press and hold for 3s. to store current RPM as ESM1.

Engine Speed Management (ESM) 2

Momentary press to engage speed memory 2.
Press and hold for 3s. to store current RPM as ESM2.

Rear PTO

Engages the rear PTO. Remains in the forward engaged position until moved rearward.

Front PTO

Engages the front PTO. Remains in the forward engaged position until moved rearward.

PTO intent

Allows the rear PTO to remain running when the operator leaves the operator's seat. The PTO must be running before the button is depressed.
The LED indicates the current state: Steadily lit when on, no light when off.

PTO brake

Disengages the PTO brake function momentarily for the front and the rear PTO. The PTO brake re-engages when the button is released. The LED indicates the current state: steadily lit when on, no light when off.

PTO settings screen

Displays the PTO settings screen.

Auto PTO

With the rear/front PTO running, engages automatic PTO operation:

- PTO engages when the rear hitch is lowered below a selected height using the hitch fast raise/lower button.
- PTO disengages when the rear hitch is raised above a selected height using the hitch fast raise/lower button.
- The LED indicates the status: Steadily lit when on, flashing when in stand-by, no light when off.

3. Center control panel

TerraLock™

Enables automatic TerraLock™ differential lock operation where engagement is determined by brake application, ground speed, and the steering engagement zone. The LED on the button and icon on the cluster indicate its current state: Steadily lit when on, flashing when in stand-by, no light when off.

Manually engages/disengages front and rear TerraLock™. The LED on the button and icon on the cluster indicate its current state: Steadily lit when on, flashing when in stand-by, no light when off.

Four Wheel Drive (4WD)

Manually engages/disengages 4WD. The LED on the button and icon on the cluster indicate its current state: Steadily lit when on, flashing when in stand-by, no light when off.

Enables automatic 4WD operation where engagement is determined by ground speed and the steering engagement zone. The LED on the button and icon on the cluster indicate its current state: Steadily lit when on, flashing when in stand-by, no light when off.

Press and hold either 4WD button to display the screen for selecting the engagement zone.

Work lamps and beacon

Turns work lamps assigned to memory 1 on/off. Press and hold the icon to access the tractor lighting screen.

Turns work lamps assigned to memory 2 on/off. Press and hold the icon to access the tractor lighting screen.

Turns the beacon lamps on/off.

Headland Turn Sequence (HTS II)

Single press starts recording of a headland turn sequence.

Single press toggles auto playback of a headland sequence on/off. Double press toggles manual playback of a sequence on/off.

Configurable buttons

Press to activate the function assigned by an operator.

Pressing an unassigned button displays the button configuration screen.

Quick access buttons

Accesses the engine settings screen on the display.

Accesses the transmission settings screen on the display.

Accesses the rear and front remote valve settings screen on the display.

Accesses the rear and front hitch settings screen on the display.

4. Primary navigation panel

1 The Rotary Encoder thumbwheel:

- cycles through the run screens
- scrolls within the screen
- increases/decreases the setting of a slider control
- selects a tractor control system for changing
- acts as an Enter button when pressed and interacts with the back button

Backbutton

Setup

Displays the setup screens for pairing and assigning functions to user configurable tractor controls.

The encoder dial:

- navigates to the settings screens for:

- remote valves,
- engine,
- auto PTO,
- phone/media,
- lighting,
- three-point hitch,
- climate control,

- selects a setting for updating
- changes the setting.

If the tractor encoder dial is not shown:

- home displays the dial with its default selection
- back displays the dial with its last selection
- enter displays the dial with last adjusted control .

If the tractor encoder dial is shown:

- home displays the dial with its default selection
- back displays the previous screen
- enter selects the next available screen If the dial focus is on an individual control
- home saves the change and returns to the dial default selection
- back saves the change and displays the previous screen
- enter saves the changes and exits the dial.

5. Remote levers - Hitch controls - Mouse

Remote valve levers are lettered and color-coded. They can be assigned to any of the front or rear remote valves.

Neutral

The lever returns to the center, neutral position when released, except when in float.

Extend/Retract

Move the lever rearward/forward to provide proportional flow to extend/retract the cylinder. Flow stops when the lever is released. When a timer is active and a lever is moved to either the extend or retract detent, flow continues until the timer expires or the lever is moved out of neutral.

Float

Moving the lever fully forward engages the float detent position. The lever remains in float until moved. To prevent accidental engagement, slide the tab downward to lock the lever.

Front/rear hitch, if applicable

Selects which hitch is active. A green LED next to the icon indicates its active status. The rear hitch is active at key on by default.

Press and hold the front hitch shift button for 5s to latch control to the front hitch. The front hitch remains active until the rear hitch is selected or key off.

Hitch position/draft adjust

Rotating the thumbwheel forward lowers the hitch or increases the working draft load.
Rotating the thumbwheel rearwards raises the hitch or decreases the working draft load.
Pressing down and rolling the encoder provides positional control and moves the linkage until released.

NOTE: If draft control is off, the thumbwheel adjusts hitch position; if on, the thumbwheel adjusts draft load.

Hitch fast raise/lower

Raises the hitch to the upper limit (out of work height) at the current raise rate setting. Pressing while the linkage is moving will pause the lift.

Lowers the hitch to the lower limit or requested draft load or a set point at the current drop rate setting.

Hitch setting save/recall

Toggles the saved position or draft load setting on/off.

Press and hold for 3s to store the current set point/ current draft load.

Position / fast

Position Control:

No LED illuminated indicates that the wheel controls Position control.

Draft Control

Press once to turn Draft mode on. The LED will either flash if out of work or be steady if in work. The mouse wheel now controls Draft load.

Draft Control with Auto Maximum Depth

Pressing the control for 5 seconds enables Draft mode with the addition of an Auto Maximum Depth (AMD) lower limit. The second LED will illuminate.

6. Hitch controls - Right - hand key pad

Front/rear hitch, if applicable

Selects which hitch is active. Green LED indicates active hitch. Selected hitch remains active until other hitch is selected or key off. Rear hitch is active at key on.

To adjust hitch settings:

- Rotating away from the seat increases the setting value.
- Rotating towards the seat decreases the setting value.

One click changes values by 1 increment, pressing down and rolling changes values by 5 increments

Hitch upper limit - Adjusts the out-of-work height for the hitch. Range is 50-100%.

Hitch lower limit - Adjusts the maximum depth to which an implement can be lowered. Range is 0-99%.

Adjusts the lower limit threshold if AMD is active

Hitch raise rate - Adjusts the speed at which the hitch raises. Range is 0-100%.

Hitch drop rate - Adjusts the speed at which the hitch drops when lowering. Range is 0-100%.

Sensitivity - Adjusts how quickly the systems respond to draft load and wheel slip changes. Range is 0-100%.

Configurable buttons

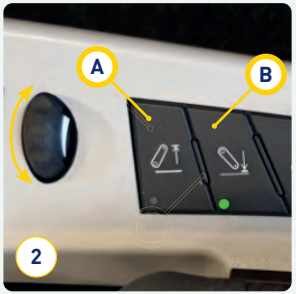
3 4 5 6 Press to activate the function assigned by an operator. An unassigned button displays the button configuration screen.

Adjustment Paddles

Adjust the fore/aft and vertical position of the armrest.

7. Using Position Control

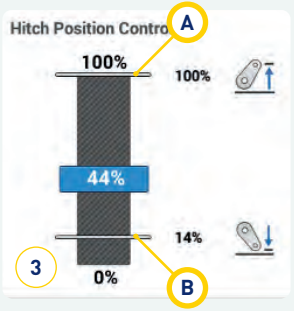
No LED should be illuminated



Select and adjust upper limit (A) and maximum depth lower limit (B)

- 1 click = 1% change
- Press down 1 click = 5% change

Limits are illustrated on the screen, (B) is the working depth



Raise/Lower switch will move the linkage between (A) and (B)

Adjusting linkage while in work

Raise or Lower the maximum depth setting (B)

or

Use the mouse encoder

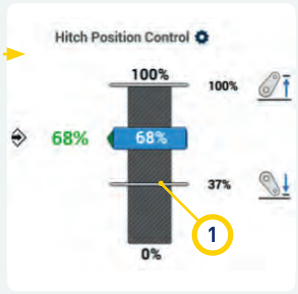
- Roll for small adjustments
- Press/hold and roll for larger changes. Clicking by 1 or 2 dictates speed of movement

Pressing fast lower returns to the set maximum depth

8. Using Position Control with a Stored Setting

For a new setting, set the required working position using the mouse encoder

Press store button for 3 seconds to add a new setting. Or momentary press to recall a previous value.



Value and green bar added to display at current linkage position if a new setting.

1 Maximum depth is now an independent setting, not the working depth.

Adjusting linkage while in work with store value

Adjust using the mouse encoder

- Roll for small adjustments
- Press/hold and roll for larger changes. Clicking by 1 or 2 dictates speed of movement

Linkage no longer at set value

LED will flash

Methods to return to set value:

- Raise / Lower cycle
- Momentarily operate Fast dig
- Press fast lower (if linkage above green bar)

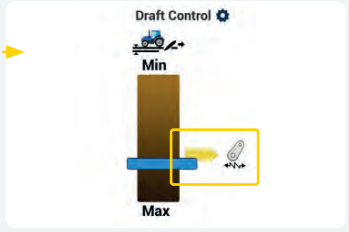
9. Using Draft Control

Set implement depth while in position mode, then momentary press to turn draft on. LED illuminates

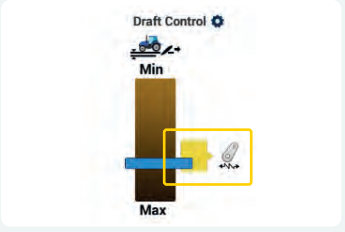
Draft display shows draft load active with blue bar

Make any draft load changes by rolling the encoder

Adjust sensitivity – how far the load is allowed to vary



Most sensitive narrow yellow operating band



Least sensitive wide yellow operating band

Overriding draft control, to carry the implement if required

Raise the maximum depth setting, then lower again to regain draft sensing

or

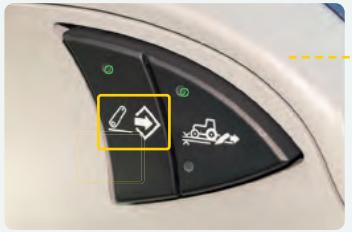
Use the mouse encoder

- Press/hold and roll.
- Clicking by 1 or 2 dictates speed of movement

Methods to return to draft:

- Raise/Lower cycle
- Press fast lower
- Momentarily operate fast dig

10. Using Draft Control with a Stored Setting



Green bar added to display at current draft load, if a new setting

Press store button for 3 seconds for new setting, or momentary press to recall a previous value

Draft load can still be manually adjusted from the stored value

If manually adjusted the store LED will flash showing not at stored value

Methods to return to stored value:

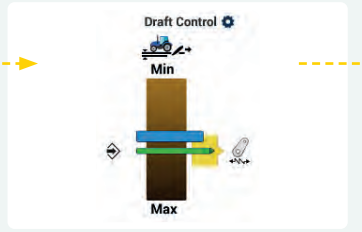
- Raise/Lower cycle
- Press fast lower
- Momentarily operate Fast dig

Raise the maximum depth setting, then lower again to regain draft sensing

or

Overriding draft control, to carry the implement if required

Use the mouse encoder
- Press/hold and roll
- Clicking by 1 or 2 dictates speed of movement



Display will show load not at stored value

Methods to return to draft:
- Raise/Lower cycle
- Press fast lower
- Momentarily operate fast dig

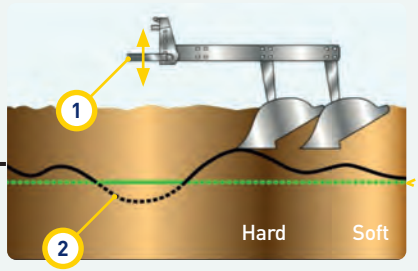
11. Using Draft Control with Maximum Depth Setting

Manual Depth Setting

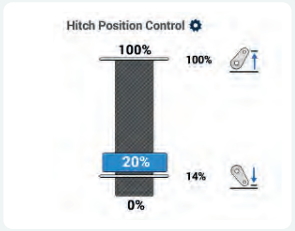
1 The linkage is automatically raised and lowered as the soil varies, aiming to maintain the target draft load on the tractor's sensing pins.

2 In this soft soil area, the plough would be lowered to keep the same load as in the hard soil. To avoid this the max depth limit is used, green line.

Set the target draft load as normal, represented by the black line



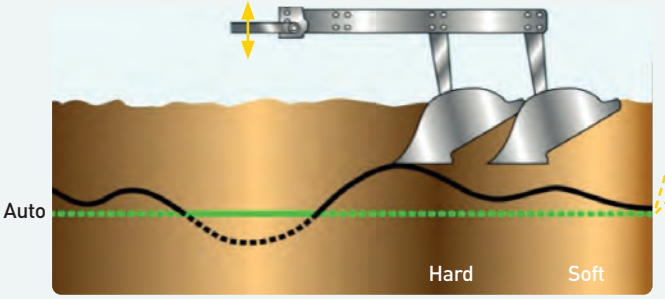
Using the display as a guide, adjust the maximum depth limit to restrict the implement's travel in the soft soil



Max depth is adjusted just below the actual linkage position, blue bar

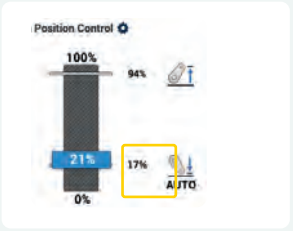
Automatic Depth Setting

Press draft mode switch for 3 seconds to enable the draft with AMD



Maximum depth is automatically added

Max depth is automatically inserted 4% below the average working depth
Auto displayed on screen



The default - 4% can be tuned from -1% to -10% by rotating the encoder with maximum depth selected

If draft load is adjusted the lower limit is suspended to allow the changes. AMD repositions and reenables once depth has stabilised

12. Media and climate control keypad

- Answers or ends the current call. Press and hold to display smart phone setup screen.
- Toggles through audio sources. Press and hold to display media player screen.
- Mutes audio.
- Decreases media volume.
- Increases media volume.
- Returns to previous selection. Press and hold for backward sampling.
- Advances to next selection. Press and hold for forward sampling.
- Decreases cab temperature set point by one degree.
- Increases cab temperature set point by one degree.
- Decreases cab blower speed by one percent.
- Increases cab blower speed by one percent.
- MAX Turns MAX defrost on or off. Press and hold to display HVAC setting screen.
- Cycles through the air distribution modes.


MAX

13. Joystick (optional)

Joystick

The joystick controls depend on the joystick configuration and on how many front/rear remote valves are available. Using the 2nd function button **(1)** and the rocker switch **(2)** up to 6 remotes can be controlled:

- a remote on the y-axis,
- a remote on the x-axis,
- a remote on the y-axis with the 2nd function button,
- a remote on the x-axis with the 2nd function button,
- a remote with the front rocker switch,
- a remote with the front rocker switch and 2nd function button.

NOTE: Pressing the 2nd function button and moving the joystick out of neutral engages the second function.
The second function remains active until the joystick is returned to neutral.

The joystick returns to the center, neutral position when released, except when it is in float position.

Extend (Raise)

Moving the joystick rearward provides proportional flow to extend the cylinder. Flow is proportional to movement and the flow setting for the valve. Flow stops when the joystick is released.

When a timer is active, flow continues until the timer expires or the joystick is moved out of neutral.

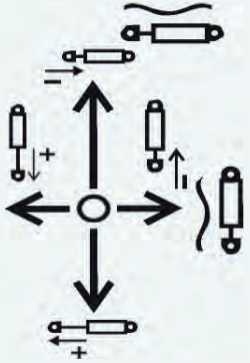
Retract (Lower)

Moving the joystick forward provides proportional flow to retract the cylinder. Flow is proportional to movement and the flow setting for the valve. Flow stops when the joystick is released.

When a timer is active, flow continues until the timer expires or the joystick is moved out of neutral.

Float

Engages the float detent position. The lever remains in float position until moved.



NOTE: Float has to be enabled first on the Remote valve screen.
NOTE: The shuttle shift and range selector buttons on the joystick work the same as those on the Multifunction Handle. The joystick offers two additional user configurable buttons.

14. Main lighting control - Windshield wiper and washer controls

Off

Head lamps, signature lamps, tail lamps and position lamps turn off. Work lamps are enabled, but turn off.

Position lights

Position lamps and tail lamps are on.
Head lamps are off. Work lamps are enabled.

Road lights

Head lamps, tail lamps and position lamps are on.
High or low beam are active. Work lamps are enabled.

Auto lights

Twilight sensor senses low ambient light and turns on headlamps, tail lamps and position lamps. Work lamps remain on if on.

Stalk position – turn indicators

Turn indicators are self cancelling but can be cancelled at any time by pushing the stalk in the direction of turn.

Outer ring - front wiper/washer

Front wiper off.

Front wiper intermittent operation. Inner ring on stalk selects delay between swipes.

Selects front wiper low speed.

Selects front wiper high speed.

Inner ring - intermittent wiper

Five variable delay settings are available. Front and rear wipers share the same setting.

Stalk position - rear wiper/washer

Rear wiper off.

Rear wiper intermittent operation. Inner ring on stalk selects delay between swipes.

Rear wiper on.

Not used.

NOTE: The rear wiper automatically engages when the front wiper is on at any speed and when the tractor shuttles from forward to reverse.

15. Switch panel

The wake up switch toggles the automatic battery isolator function on/off. The top of the wake up switch prevents the battery from being reconnected automatically. The bottom of the wake up switch allows the battery to be reconnected automatically.

The top of the switch toggles the defrosters for the power mirrors on or off. The bottom of the switch toggles the defrosters for the power mirrors and the rear window on or off. (where fitted).

Mirror tilt controls. The three-position L-R control selects the left-hand or right-hand upper mirror for adjusting. Center position: off The lower control adjusts the vertical and/or horizontal tilt of the selected upper mirror.

Mirror extend/retract controls. The three-position L-R control selects the left-hand or right-hand upper mirror for adjusting. Center position: off.
The lower control retracts or extends the mirror assembly.

The top of the switch toggles the flashing amber warning lamps on or off.

The top of the switch enables the tractor functions control from an ISOBUS implement.

The bottom of the switch disables implement actions (if the ISB is supported).

The top of the switch unlocks the hitch and remote valve controls.

The middle position unlocks the remote valve controls, but not the hitch controls.

The bottom of the switch to lock the hitch and remote valve controls.

The top of the switch pairs an installed wireless camera.

The top of the switch engages field mode:

- enables all autoguidance functions,
- enables all advanced steering systems.
- The bottom of the switch enagages road mode:
- disables all autoguidance functions,
- disables all advanced steering systems (for driving on public roads).

The trailer brake release switch is used to determine whether the tractor park brake and trailer brakes can hold the tractor/trailer stationary as equipped.
Refer to the Operator's Manual for the test procedure.

INTELLIVIEW™ 12 OVERVIEW

Navigating Display

1 Tool Bar
2 Run Screen
3 Notifications
4 Run Screen Selection bar
5 Lower Left Hand Area
6 Upper Left Hand Area

The GNSS top bar icon displays position accuracy status

The connectivity top bar icon displays the current signal strength of the Wi-Fi and cellular connection

The Application Manager allows access to individual applications on the display

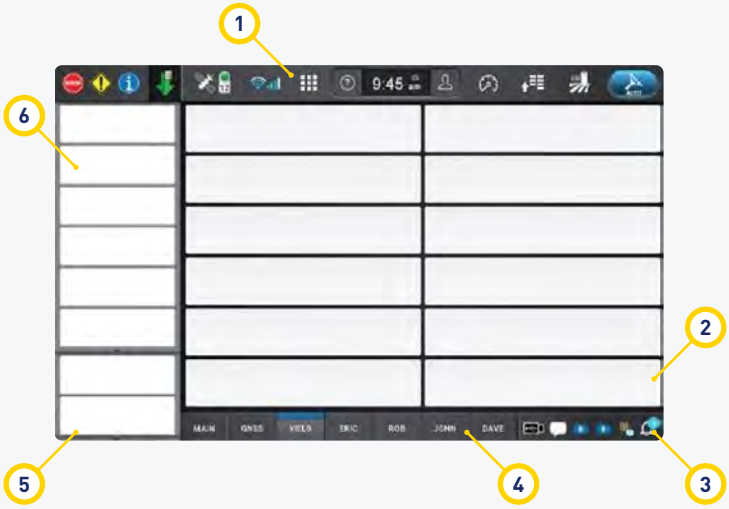
The operating status screen displays input and output values for sensors on the machines

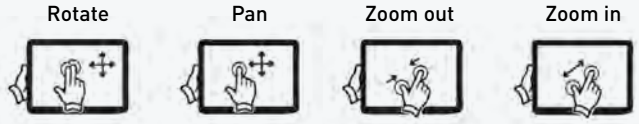
The “Menu” screen provides setup and diagnostics for your vehicle, implement, guidance, ISOBUS, connectivity and work conditions

The “Operations” screen allows you view field information, as well as select your vehicle and work condition

Access manuals and videos on your display

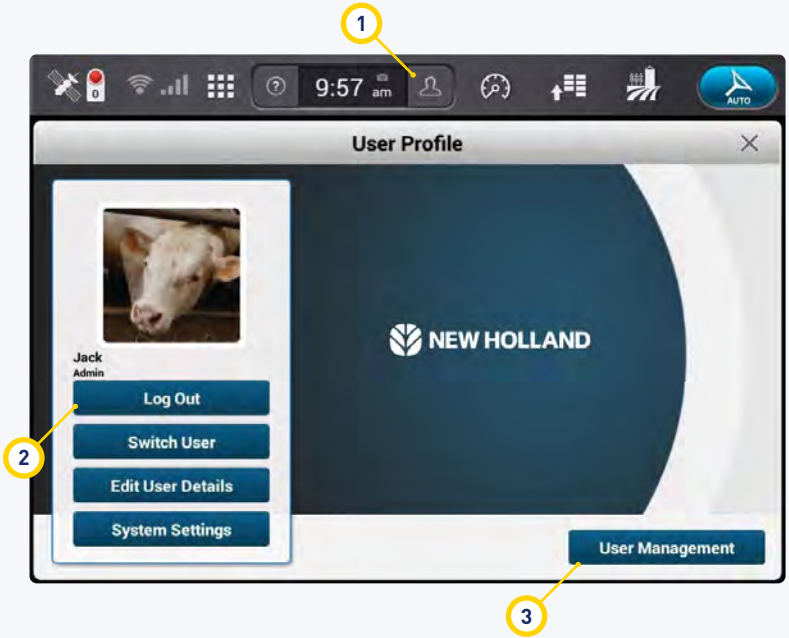
Create or modify user profile





Operator Selection

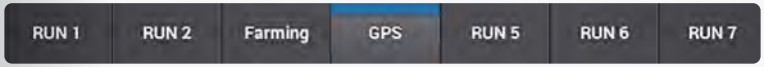
1. Change operator through profile selection
2. Similar to Windows user login
3. Select user management to add new operator

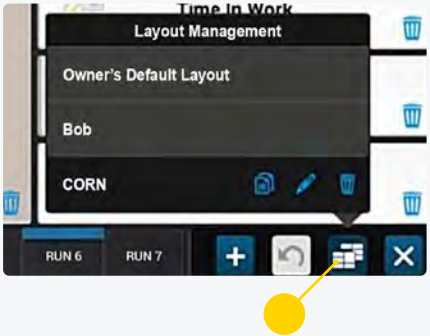


Change units

Edit Layout

Long-press a run screen button. A dialog appears asking if you wish to enter layout editing. You can also edit the name of the Tab within here.





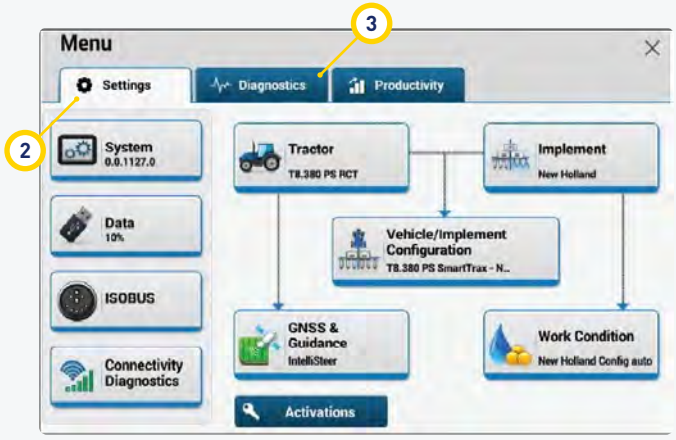
Press the Copy button to clone another operators layout

To edit the layout name press the edit button

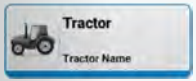
Delete will erase a layout

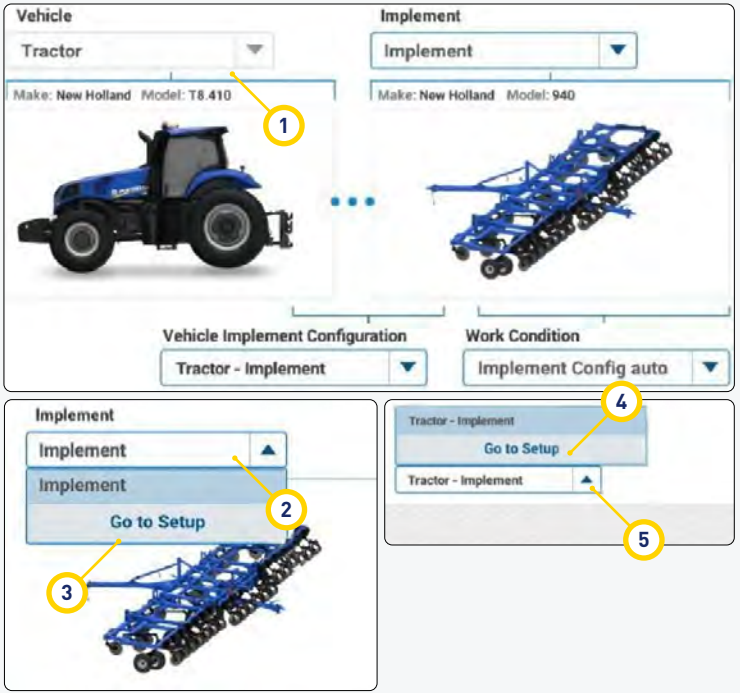
Toolbox

1. Toolbox
2. The ‘Settings’ tab on the Menu provides access to machine, guidance, and implement setup information
3. Additionally, data management and onboard diagnostics are available



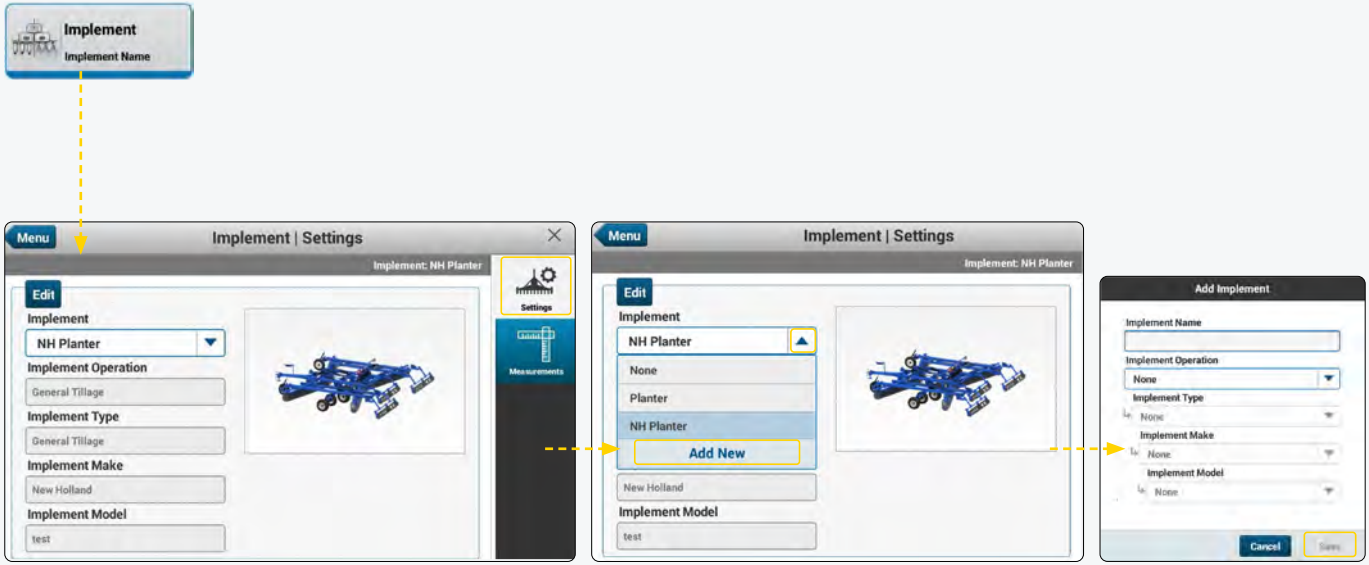
Vehicle setup



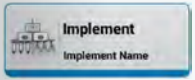


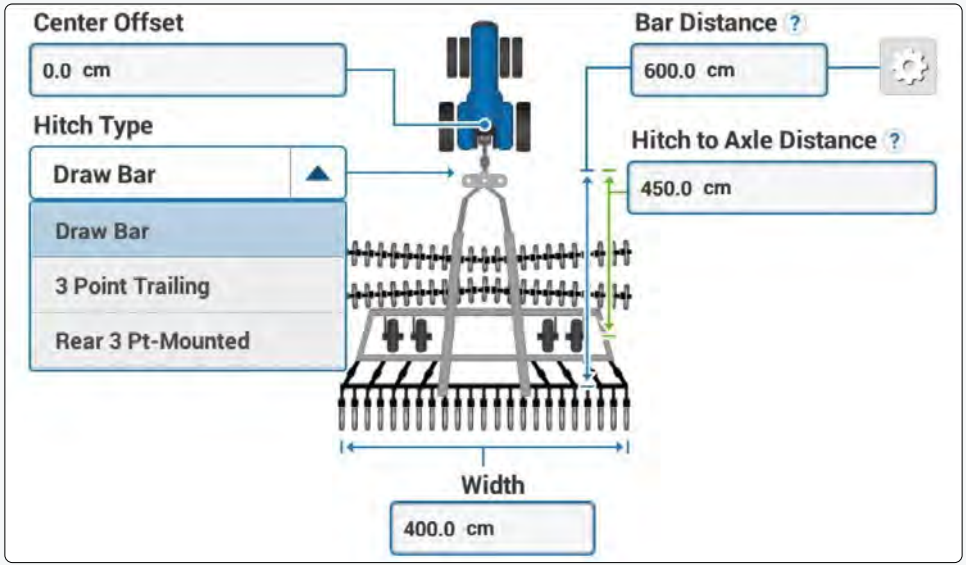
1 Vehicle Info Read only
2 Select Implement
3 Go to Implement setup
4 Machine Configuration
5 Machine Implement selection

Implement Setup



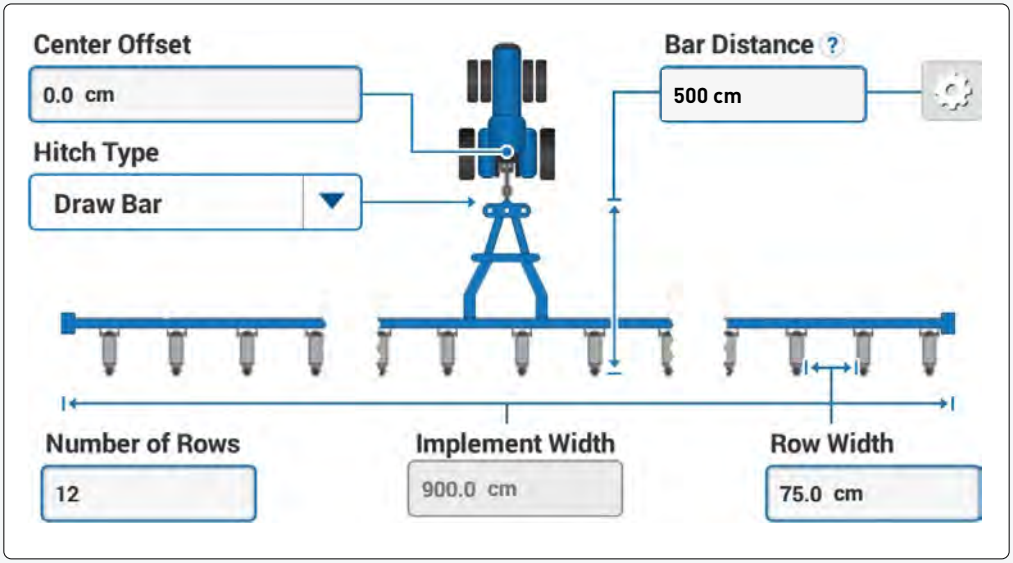
Implement Setup Example - Seeder





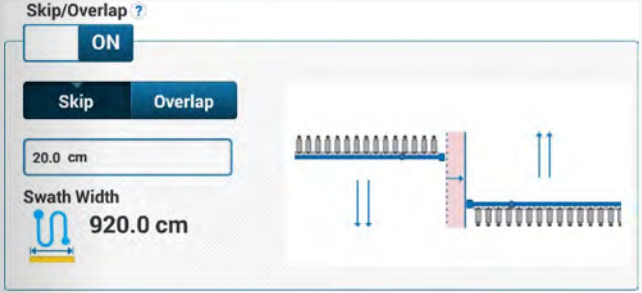
NOTE: Depending upon the implement type and the specific distance setting you are configuring, additional screens may appear. Also, the implement may load some of the configurations automatically.

Implement Setup Example - Planter



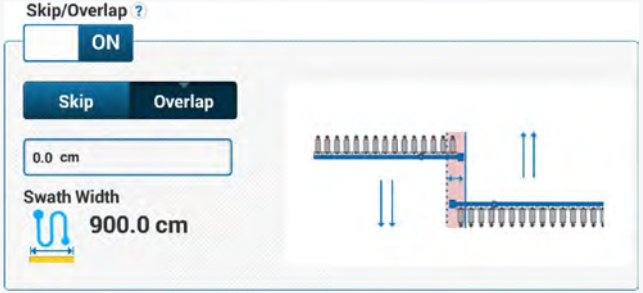
Implement Setup – Skip/Overlap

Configure a Skip



Press the "Skip" button to configure a gap between rows.

Configure Overlap

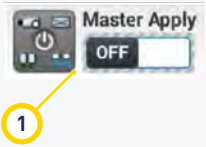


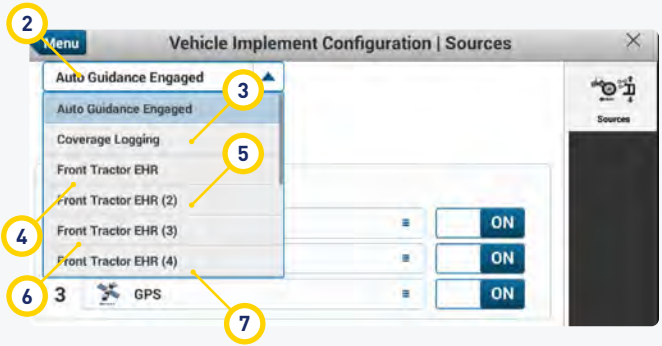
Press the "Overlap" button to configure overlap between rows.

The swath width is read-only and is based upon the implement width and the skip/overlap value. The swath width is calculated as the implement width plus the skip, or the implement width minus the overlap.

Vehicle/Implement Configuration

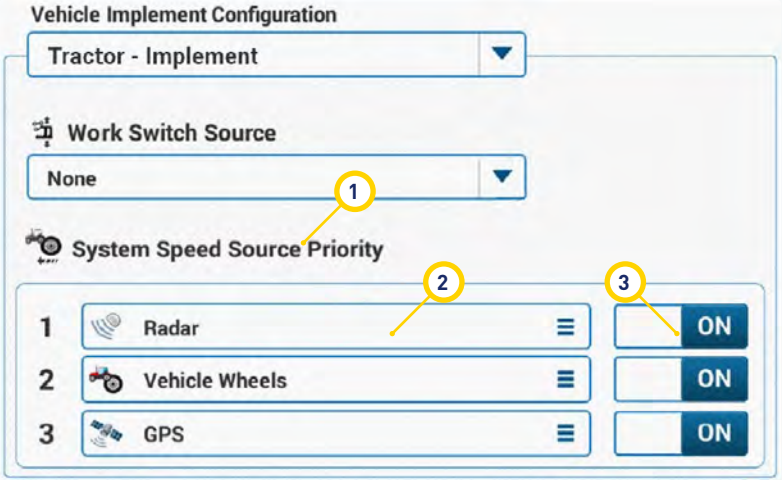
Work Control (Coverage logging)





1. Master Apply – Work will begin when you turn on the "Master Apply" window from a run screen. The master apply switch is only available if there is an ISOBUS controller detected
2. Auto Guidance Engage switch – Work will begin when you engage guidance
3. Coverage Logging switch – Work will begin when you turn on the coverage logging window from a run screen
4. Front/rear tractor Electro-Hydraulic Remote (EHR) valves – Work will begin when you actuate the selected hydraulic remote on the tractor
5. Implement lift switch – Work will begin when the implement is in the lowered position. Front/rear hitch – Work will begin when the front hitch, the rear hitch, or both the front and the rear hitch is lowered, depending on the selection
6. Front/rear PTO – Work will begin when the front PTO, the rear PTO, or both the front and the rear PTO is engaged, depending on the selection
7. 3-Pin power port – Work will begin when the power port that can be controlled by a configurable button is powered

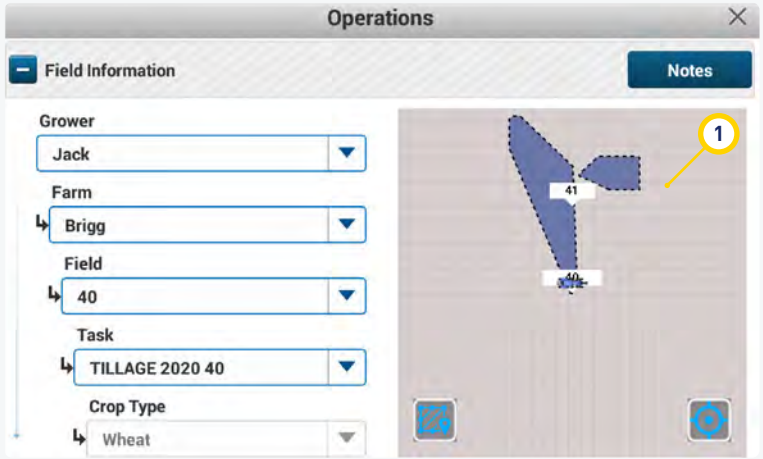
Vehicle/Implement configuration



1. Speed Source Priority is the speed that is displayed in the ground speed window
2. Source priority can be changed by holding and dragging selection
3. Selection can be turned on/off therefore enabling the next priority source

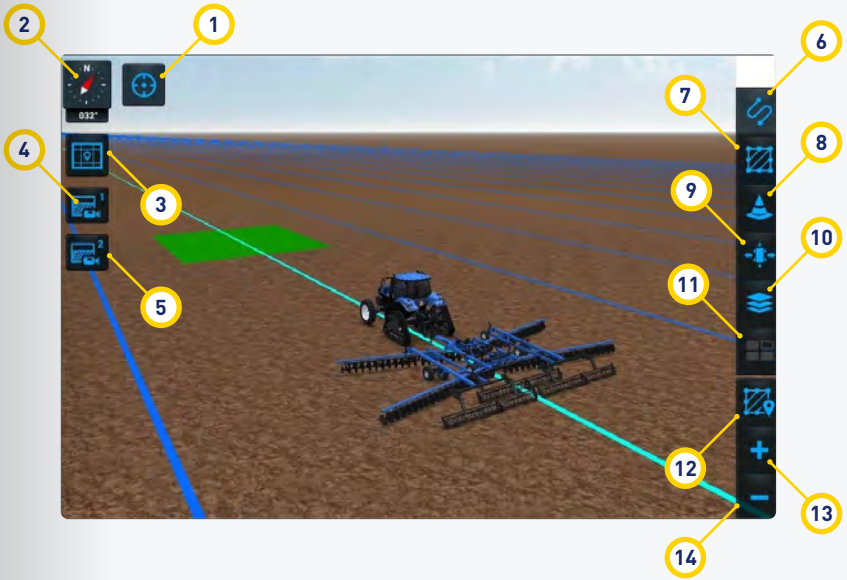
GFF Selection

The “Grower,” “Farm,” “Field,” “Task,” and “Crop Type” windows are the basic building blocks of the telematics and mapping functions.



1. Map can be viewed on right hand side showing field selected
2. Select Grower
3. Edit Grower
4. Add New Grower

Run Screen

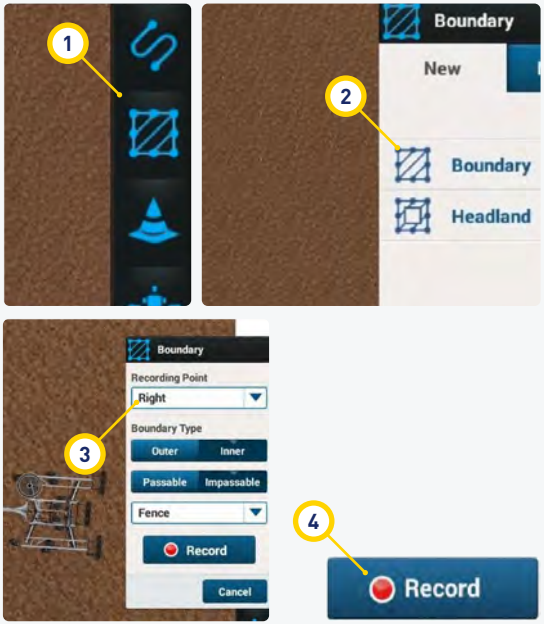


1 Centre Vehicle on screen
2 Current Vehicle Heading
3 Toggle overhead and rear view
4 Pre-set View 1
5 Pre-set View 2
6 Record, select, and manage guidance swaths
7 Record and manage boundaries
8 Record and manage landmarks
9 Autoguidance adjustments
10 View and select available coverage layers
11 View available widgets
12 Zoom to view entire field boundary
13 Zoom in
14 Zoom out

OPERATION

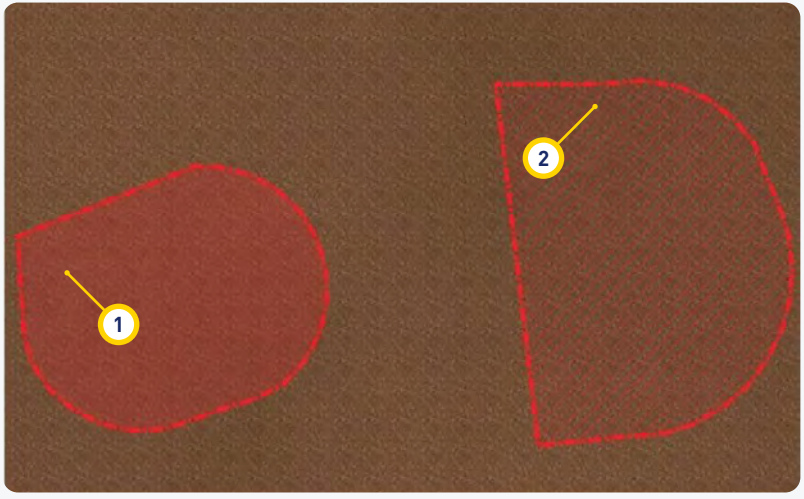
Boundary Creation

1. On the right hand side, press the Boundary's icon
2. Select the 'New' tab and Boundary
3. You can choose between outer and inner boundaries and also choose whether an inner boundary is passable or impassible. Choose the applicable boundary type. Under "Recording Point" open the drop-down menu. Select whether the recording will be defined by the left end of the implement, the right end of the implement, or the middle of the vehicle. A recording point appears in the map on the selected point of the implement or vehicle
4. Drive to the starting point in the field and press record

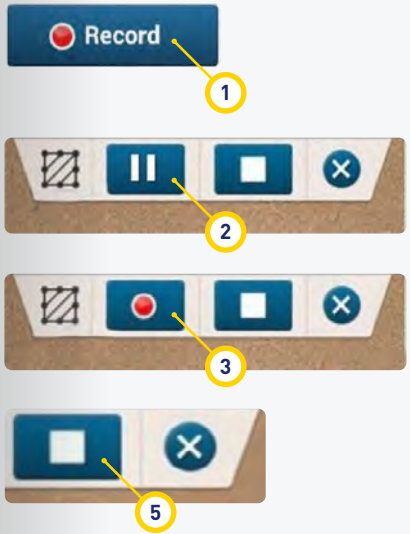


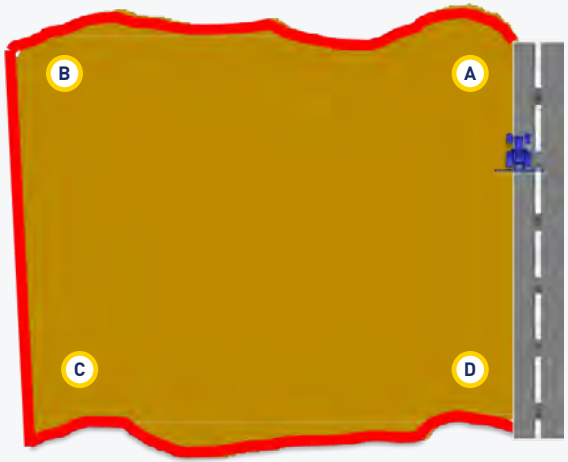
Boundary Creation

1. When you create a **passable inner boundary,** the interior of the inner boundary fills with solid, transparent red
2. When you create an **impassable inner boundary,** the interior of the inner boundary fills in with cross-hatched, transparent red lines



Creating a boundary

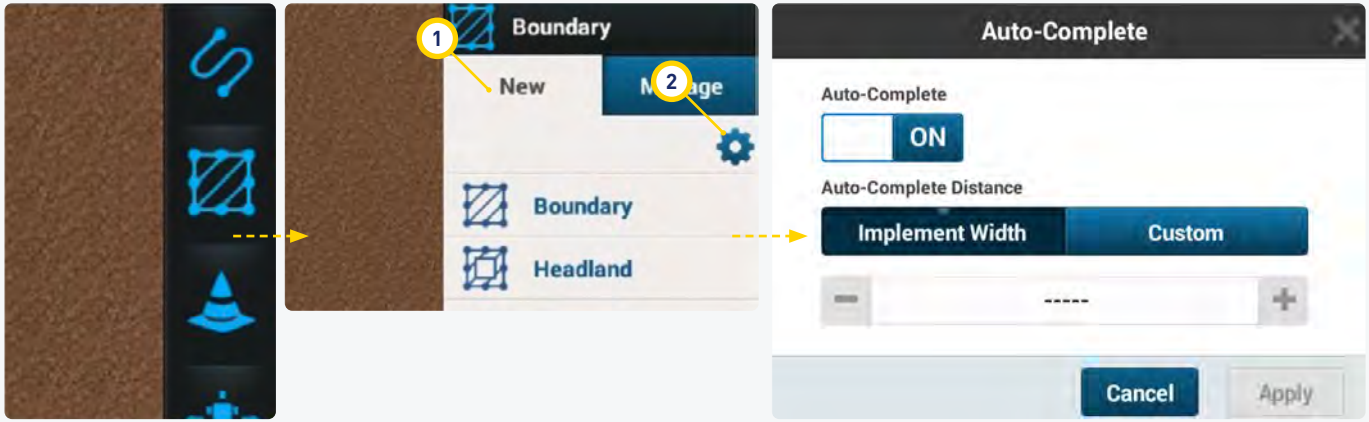




1. Start recording of headland at corner **A**
2. Pause in **B** corner and drive to **C** corner
3. Reverse into corner **C** and press record again
4. Record headland
5. Stop the recording in corner **D** (closing of the field)

Boundary Auto-Complete settings

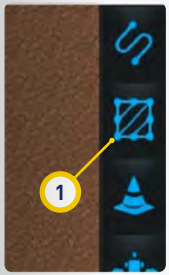
The auto-complete configuration establishes the distance between a pause point in the boundary and a resuming point in which the system extends the recorded boundary between the two points. The auto-complete function also extends the final recording point in the boundary to the starting point of the boundary.

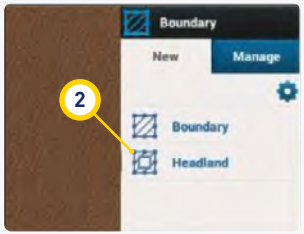


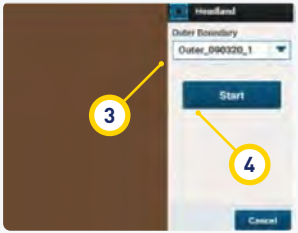
1 New Boundary

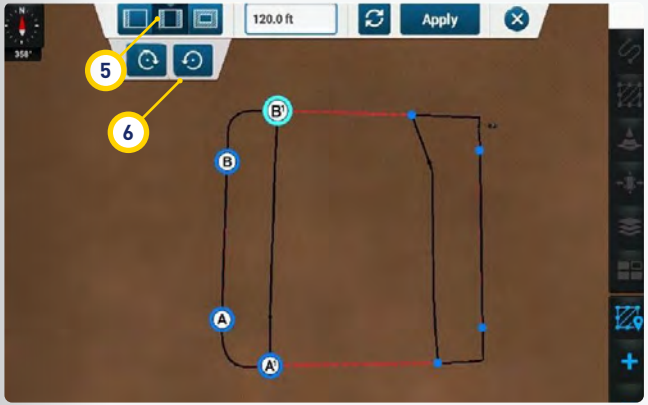
2 Auto-Complete settings

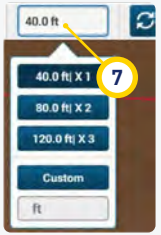
Headland Creation









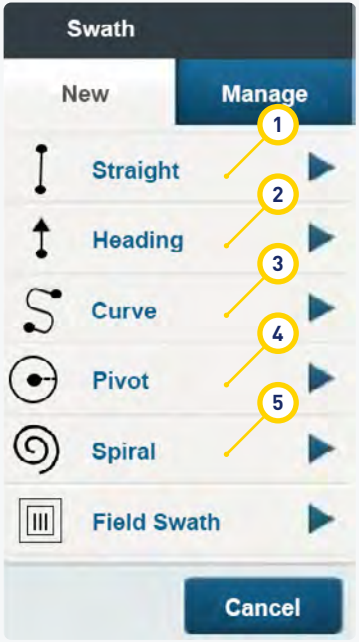


1. Select Boundary Icon
2. Select headland
3. Select the Boundary on which you would like to create Headland...
4. ... and click start
5. Apply Headland to Single, Double or All.
   Double selected in example
6. Move selected points around Headland
7. Set width of Headland

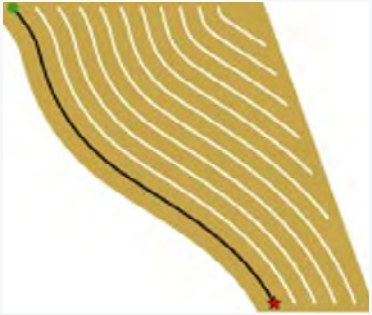
Swath Creation

1
2

5

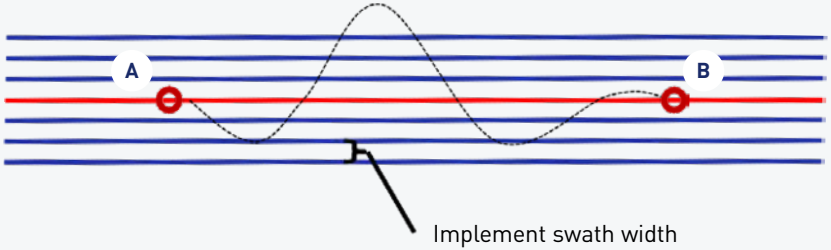


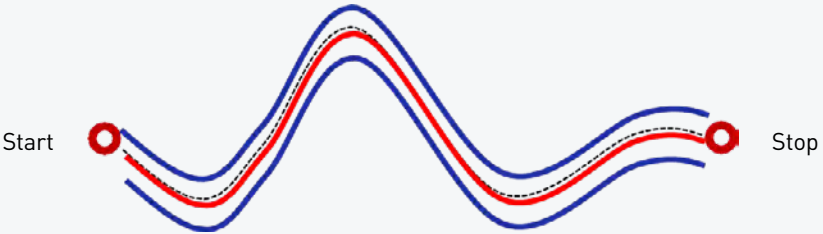
3



4

Swath Creation – A, B & Curve



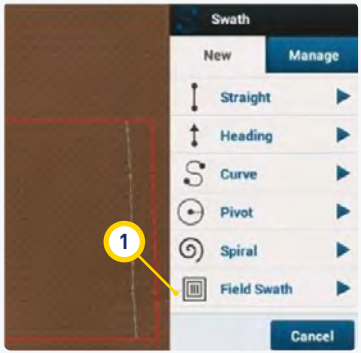


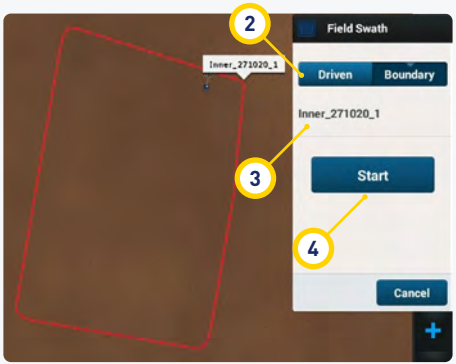
Heading

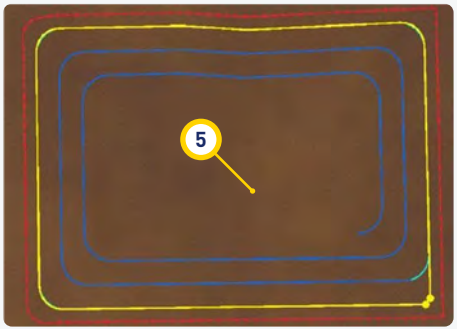
1 Click anywhere on compass to set Heading

Create Field from Boundary or driven mode

1. Select Field Swath
2. Select whether to draw from Boundary or drive manually
3. Select the boundary to draw from
4. Press start
5. A Field swath will then be drawn (Sets to Closed as default)



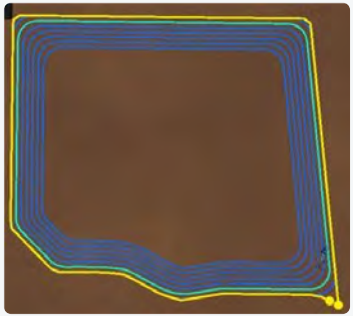


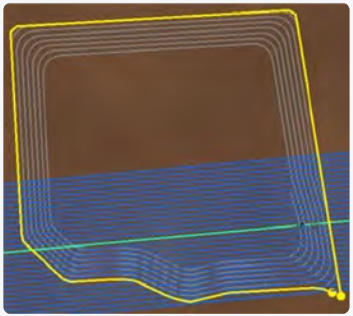


Field Swath Modes

Closed Headland

In “Closed” mode, the transition from one swath to another must be driven manually by the user.



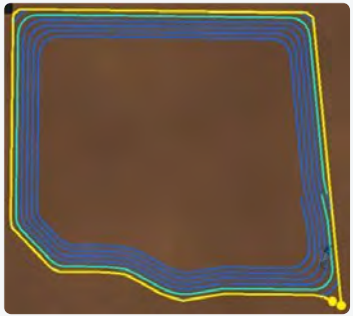


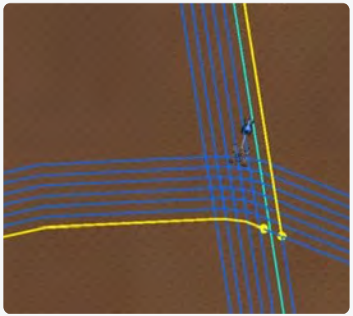
Infill

This section allows the operator to draw AB lines or curves to work the inside of the field.

Spiral Headland

Transition from one swath to another is automatic. Swath is spirals into the middle.



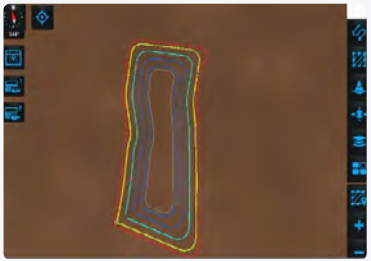


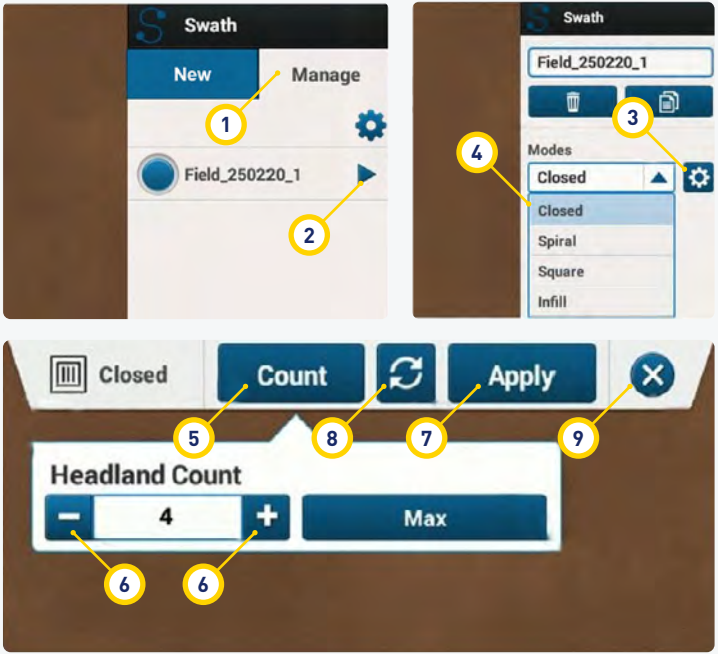
Square Headland

Guidance lines can be adapted to the users preference in the editing tool.

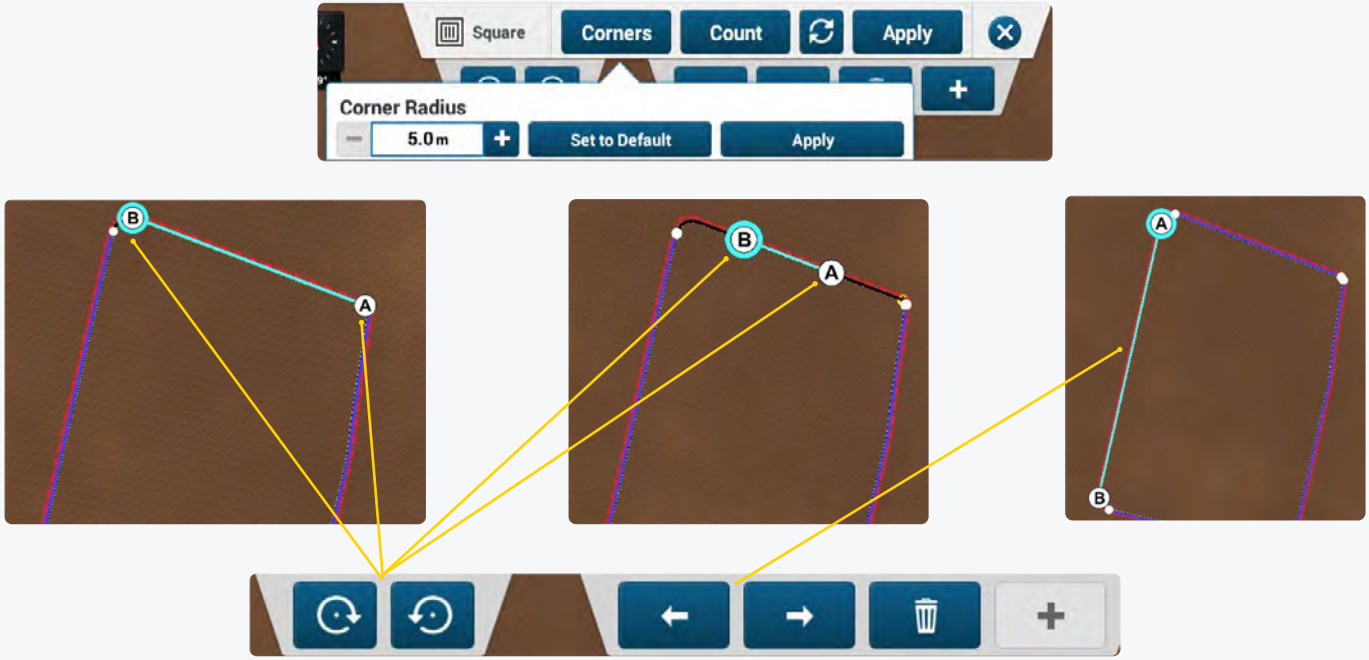
Edit Field Boundary

1. Select Manage Tab to edit Field swath
2. Select correct field
3. Choose which Mode you would like to use
4. Select Closed to bring up the options for Headland Count
5. Click the Count tab to open the Headland Count menu
6. The + - can then be used to edit the amount of Headland swaths
7. Apply
8. Reset
9. Close

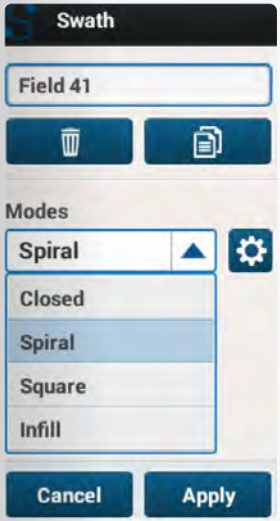




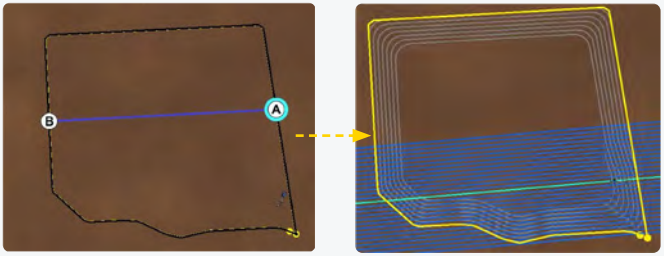
Creating Square Headlands



Field Swath Infill

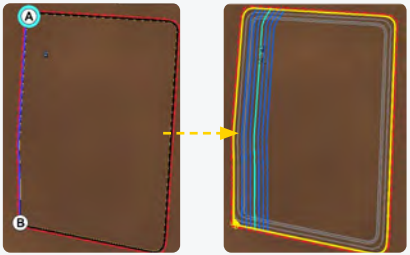


"Straight" – Use a straight swath to build infill swaths.



"Previously recorded" – Use a previously-recorded swath to build infill swaths.

"Curved" – Use a curved swath to build infill swaths.

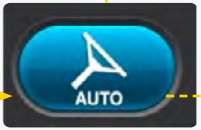


Autoguidance engagement

If all the conditions for engagement are not met then the Autoguidance engage button on screen with be grey.

Press Engage button and accept Safety information.

Guidance can be engaged via Display or via MFH.

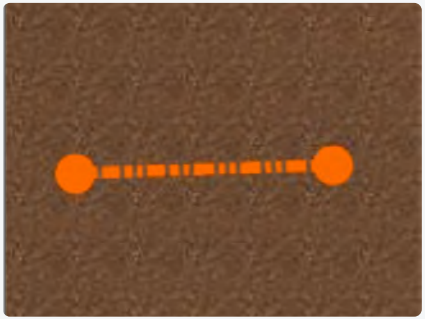


Blue means the Autoguidance is ready to be engaged.
Press to engage.

Symbol will become green when Autoguidance is engaged.

Land Mark Types

Point

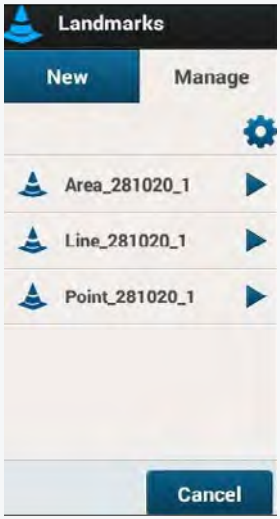


Line

Area

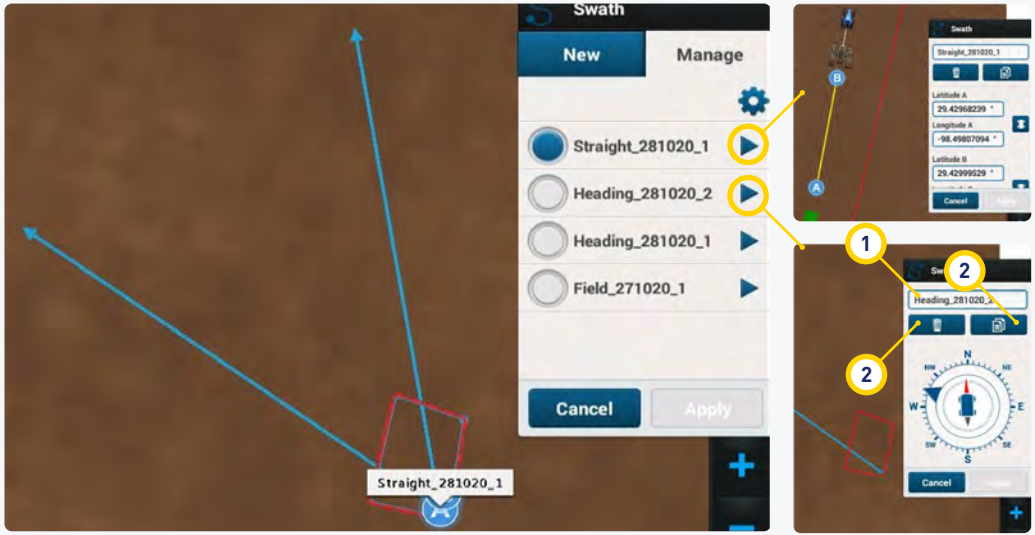
Landmarks

With the help of the Landmarks, you can mark danger zones.
E.g.: Trees or manhole covers. This will give you a warning alarm at a set radius.



SWATH MANAGEMENT

Selecting/Editing Swaths



Swaths can be changed in the Swath Manage tool.

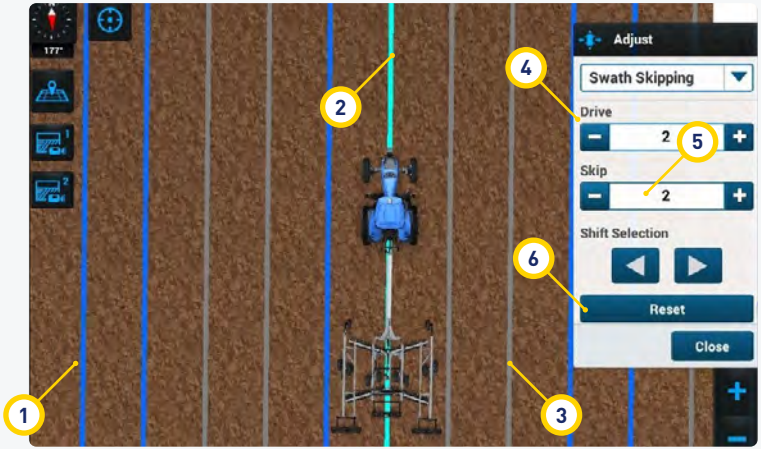
Swaths can also be edited in this function. An AB Swath can be edited by changing the Longitude and Latitude of both points.

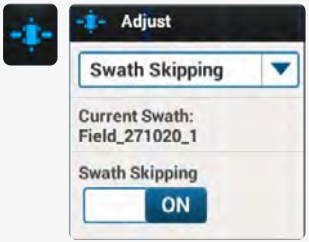
1. Rename Swath
2. Click trash to delete swath or copy to clone swath

The heading can also be changed by pressing a point on the compass.

Swath skipping

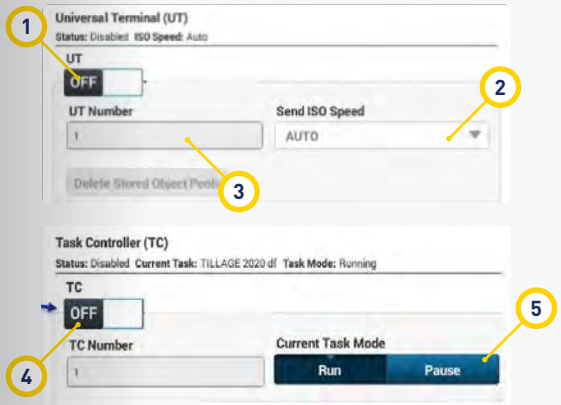
1. Dark Blue lines show the 'Drive' swaths. The Guidance will engage on these lines
2. Turquoise lines show the nearest swath for the machine to engage on
3. Grey lines show the 'Skip' swaths. The Guidance will not engage on these lines
4. The "Drive" counter defines the number of adjacent swaths driven between skipped swaths
5. The "Skip" counter defines the number of adjacent swaths skipped between driven swaths
6. Press arrows to shift line selection and reset to start again





ISOBUS

Universal Terminal



Task Controller

The task controller (TC) software is integrated into the precision farming applications. Activation of Task Controller functions at the most granular level is split between 3 activations:

- TC Basic
- TC Section Control (16 Sections per product)
- TC Geo (Variable Rate – 2 Product)

Note: These 3 activations are part of the Advanced PF&G activation bundle which comes standard equipment on New Holland Genesis T8 & T9 with PLM Intelligence.

1 Universal Terminal (previously Virtual Terminal) can be turned on in the Toolbox> ISOBUS section of the display

2 The "Send ISO Speed" window allows you to select the method used, if any, to send ground speed information to the ISOBUS implement over the ISOBUS

3 Use the "UT Number" field to establish whether more than one terminal is in use

4 Task controller must be turned on to do Section control or Variable rate

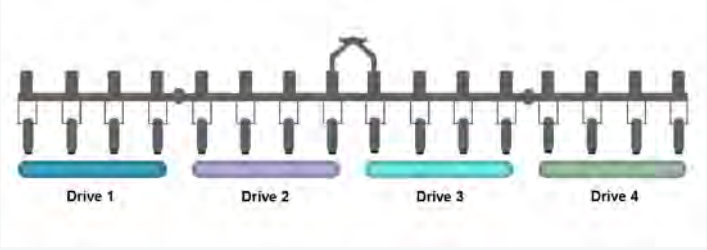
5 Start or pause the task

Operation

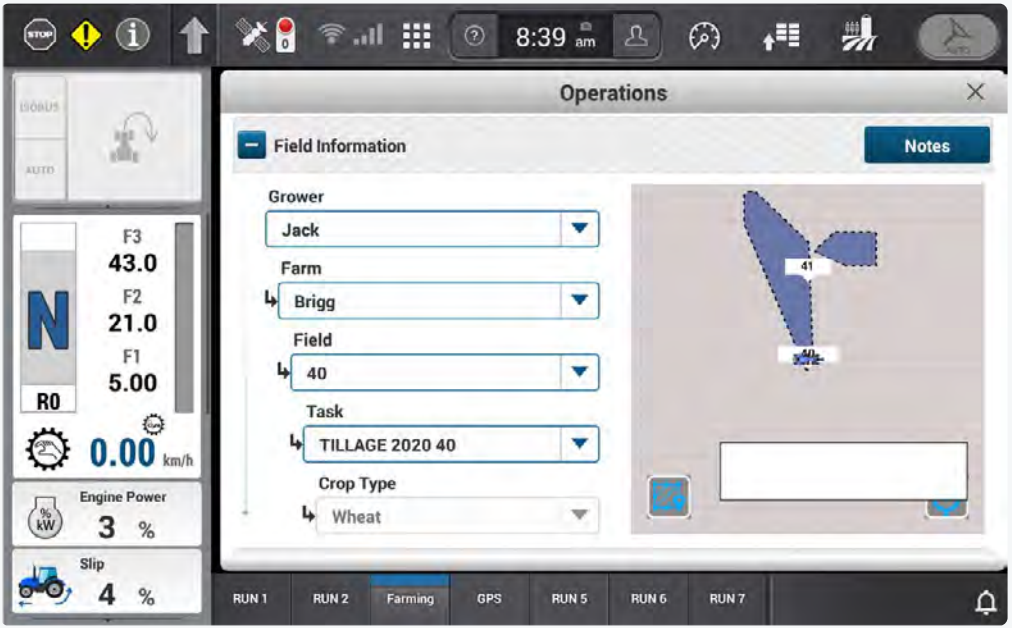
"**Controller**" – The controller represents a group of drives or sections that apply a single product across the entire width of the implement. Multiple controllers may apply the same product. The system supports up to six controllers per implement.

"**Drive**" – The drive represents a control device that can be assigned an application rate with a single product. Each controller can support multiple drives.

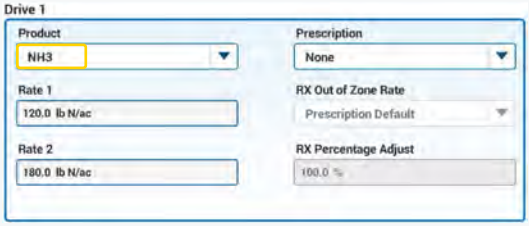
"**Section**" – The smallest incremental element that can turn product application on or off. The system turns sections on and off to control skips or overlaps with already-applied area or at the field boundary. The system supports up to 16 sections with the basic section control unlock, and up to 128 sections with the advanced section control unlock.



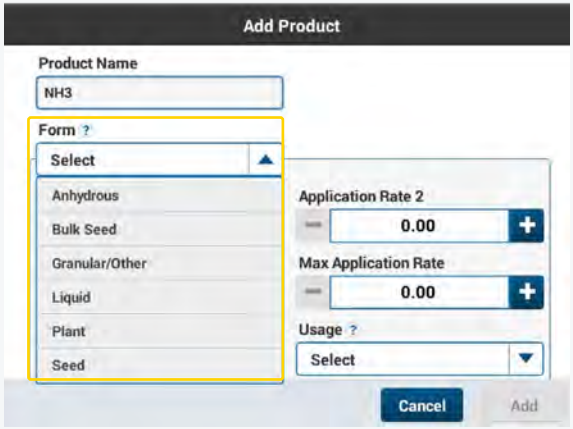
Operations tab



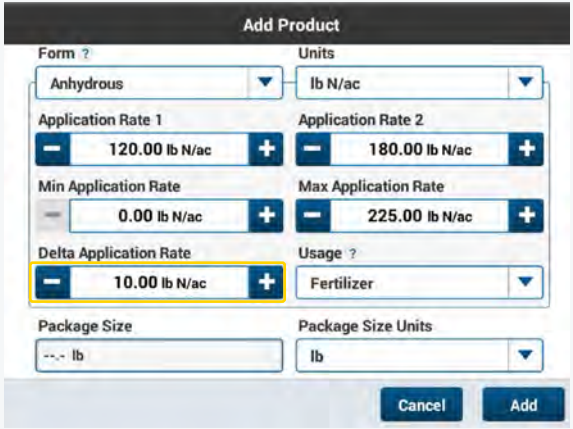
Product setup



Click add new Product.

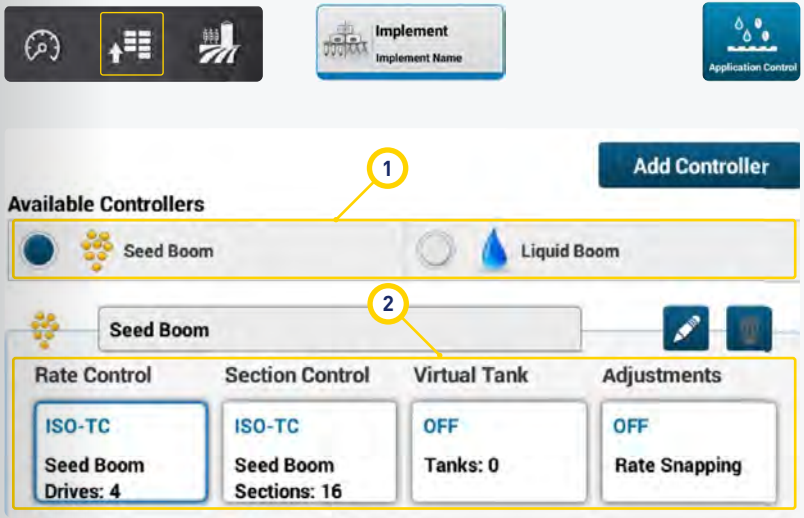


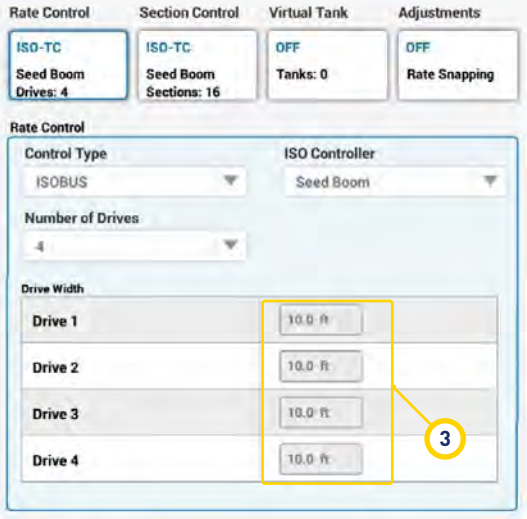
Needs to be same as application control selection.



Rate change increment.

Setup your application controllers





1 Select Controller

2 Controller details

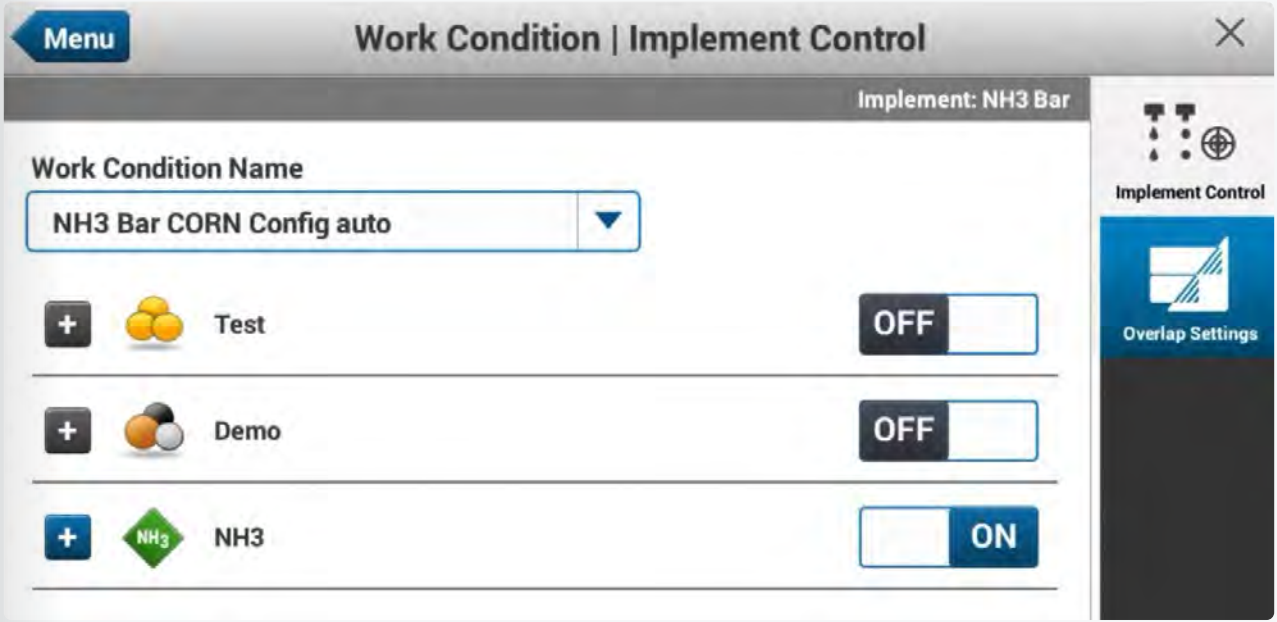
3 Distance between drive

Information should be sent from the implement to the display, meaning you shouldn't have to fill in the information here.

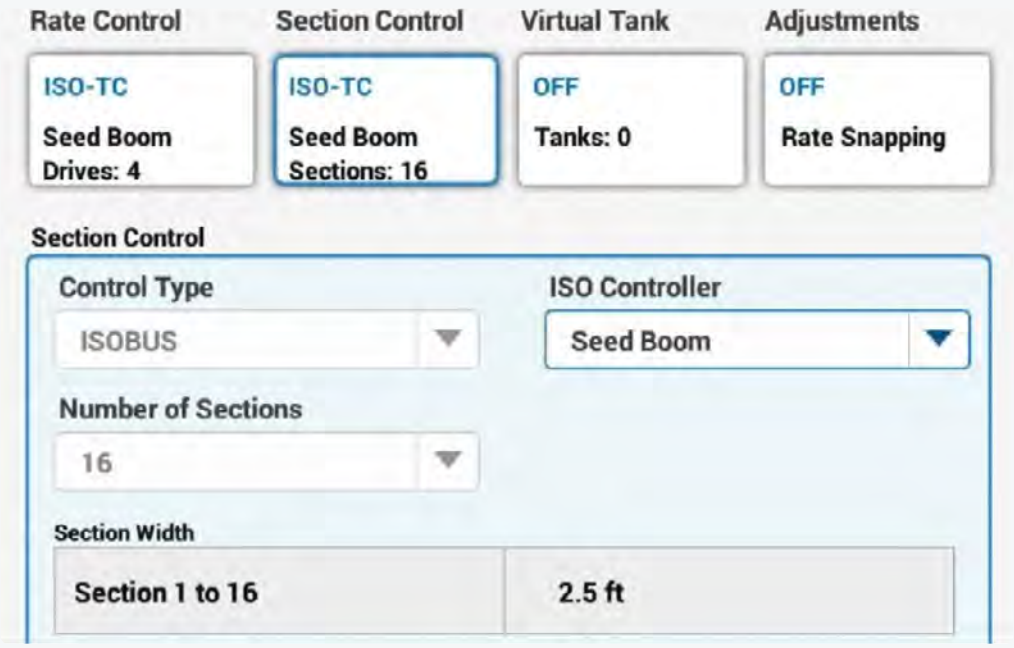
Controller settings

Controller type needs to be the same as the product type set up (shown on previous slide).

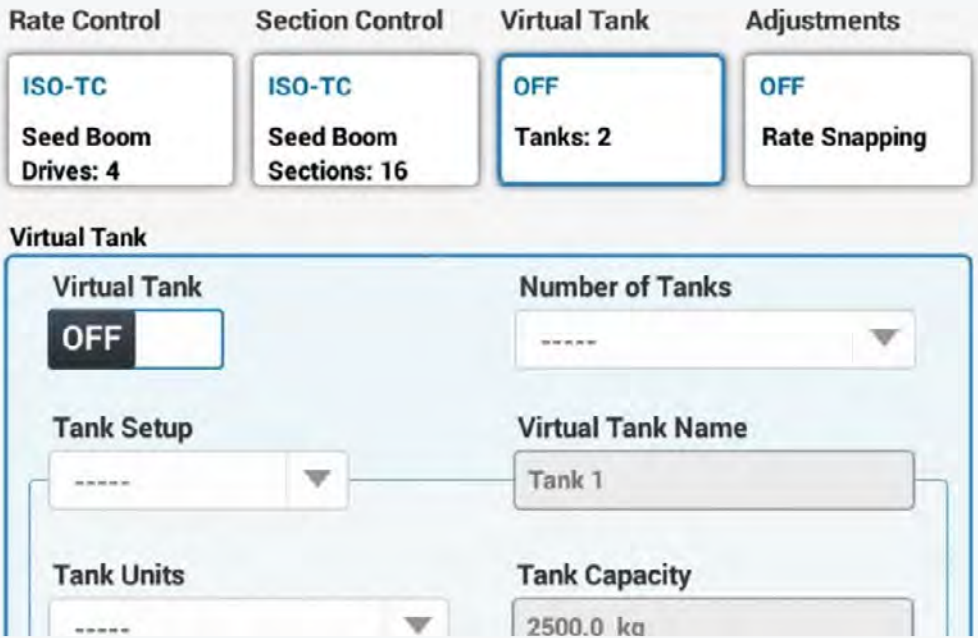
Work Condition Set up



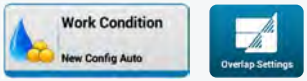
Section Control



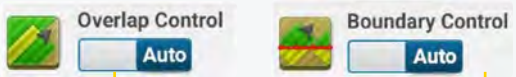
Virtual Tank



Overlap & Boundary control



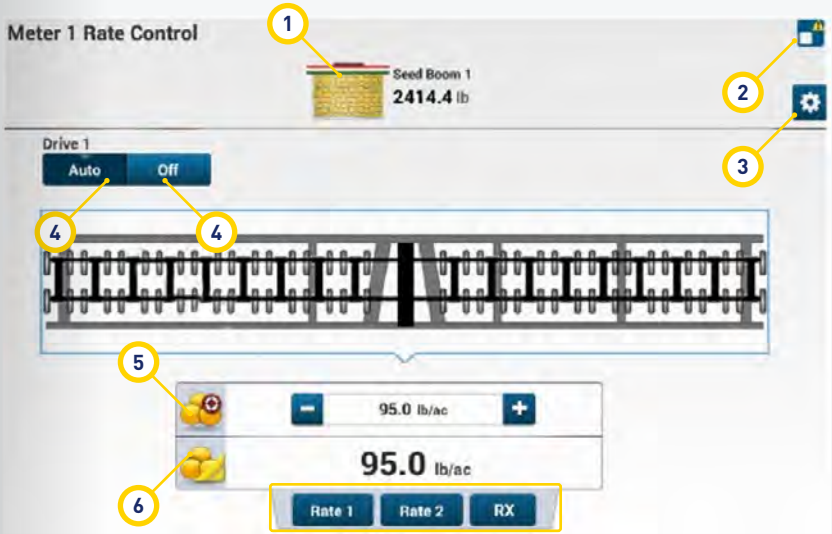
Can be set up on Run screens.



1. Section overlap percentage
2. Start Early distance (dependant on Inner headland)
3. Stop Later distance (dependant on Inner headland)
4. Boundary percentage

Rate Control

Rate control (2x6) on UDW.



1. Configured virtual tanks
2. Collapse menu
3. Tank Display Settings
4. When off you cannot adjust target rate
5. Target Rate
6. Actual Applied Rate

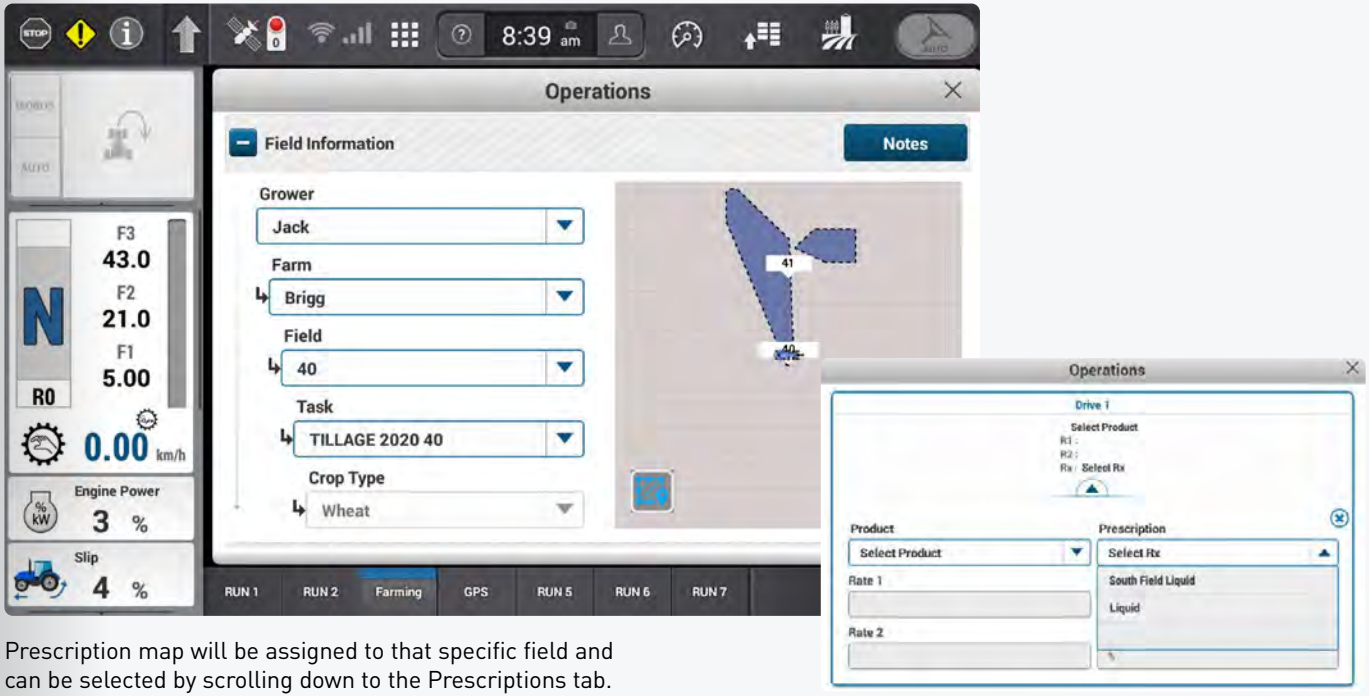
Rate 1 & 2 are pre defined rates. RX is using a prescription map to apply rate.

Importing VRA Maps

Import using the Data management screen.

The prescriptions are associated with the tasks built in the “Operations” screen. The associated prescriptions are automatically selected for valid controller types.

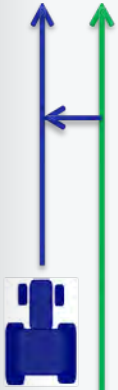
Using the VRA Map



Prescription map will be assigned to that specific field and can be selected by scrolling down to the Prescriptions tab.

ONLINE PERFORMANCE

Nudge vs Trim

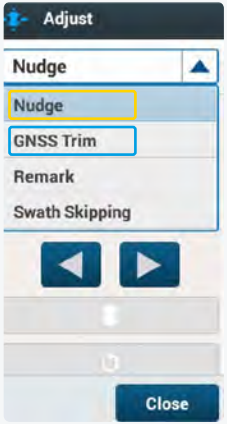


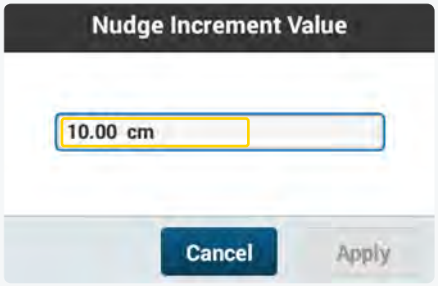
On lower accuracy signals (EGNOS) the line is 'Nudged' back to the tractor as we know that after a period of time the line will suffer from drift.

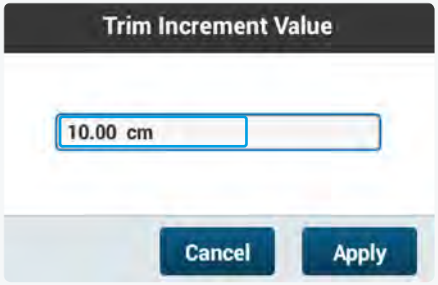
Trim is used only on vehicles with towed implements when implement setup or soil conditions pull the implement away from the desired line of travel.

‘Adjust’ toolbar

Use the adjust toolbar on the right hand side to enter the Nudge and Trim settings. The increment value can be access by selecting the Gear icon on the scale. Then shifting to the left or right using the arrows will nudge or trim the vehicle.

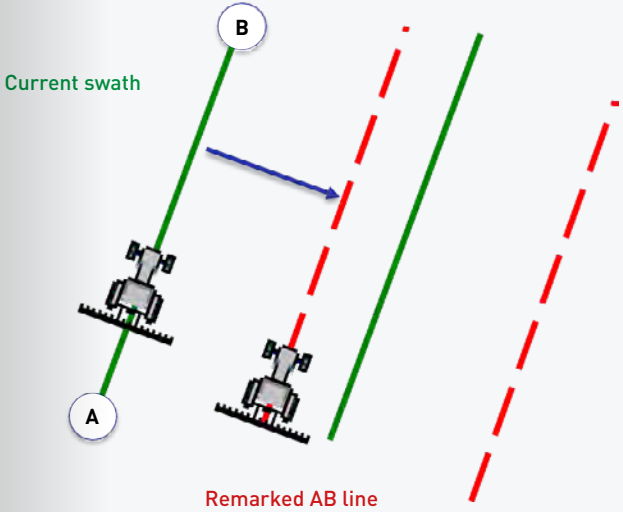


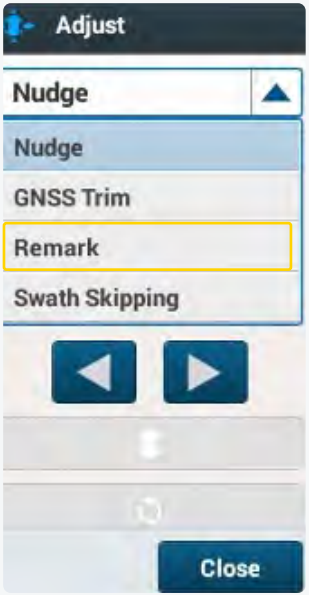


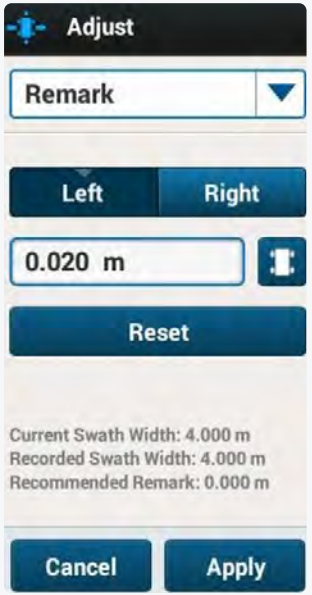


Remark Function

Remark can be used instead of Nudge to move the AB line. Could be used with low accuracy signals when drift has occurred after a period of time static. Remark will set Nudge to 0.







Aggressiveness

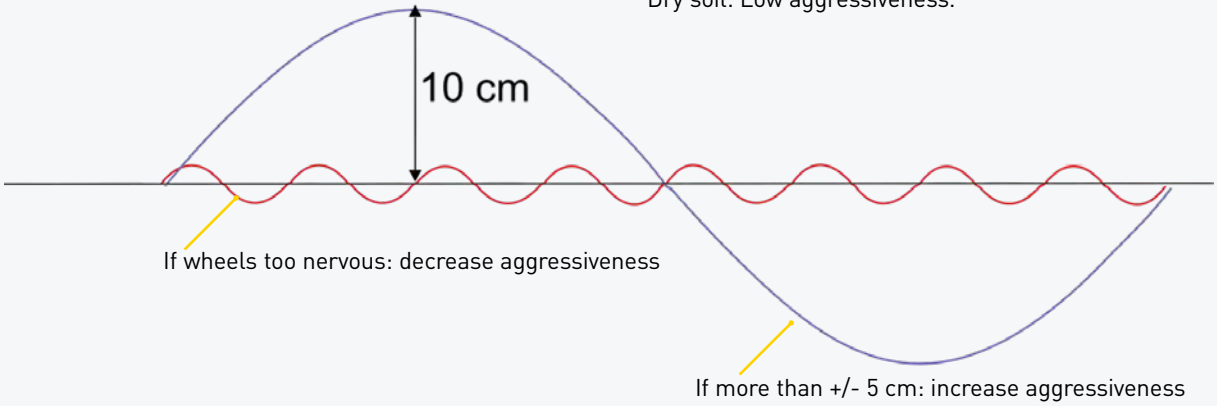
Aggressiveness:

Range from 50% to 150% with 100% as default value.

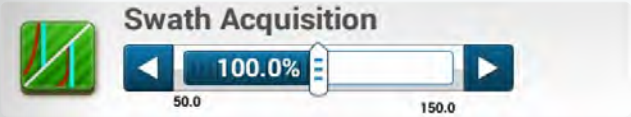
- The more aggressive the setting (higher value), the quicker the steering response.
- The less aggressive the setting (lower value), the slower the steering response but also the more smooth.

Wet soil: High aggressiveness.

Dry soil: Low aggressiveness.



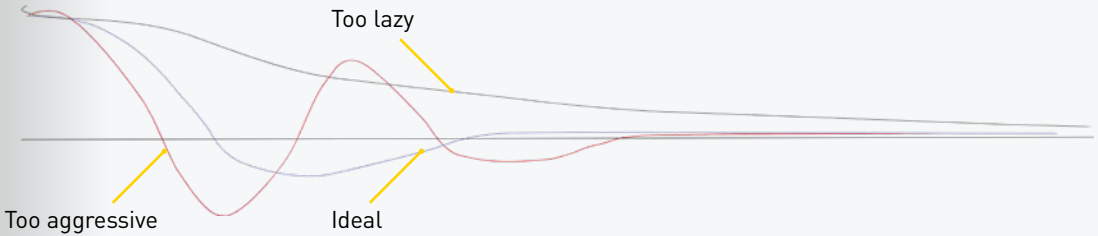
Standard Swath Acquisition



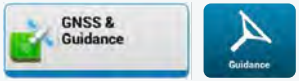
The swath acquisition setting controls how sharply the vehicle turns during to engage on a swath.

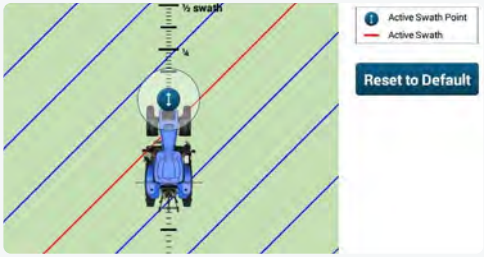
- The more aggressive the setting (higher value). The sharper the turns used to engage on the swath.
- The less aggressive the setting (lower value), the more gradual the turns used to engage on the swath.

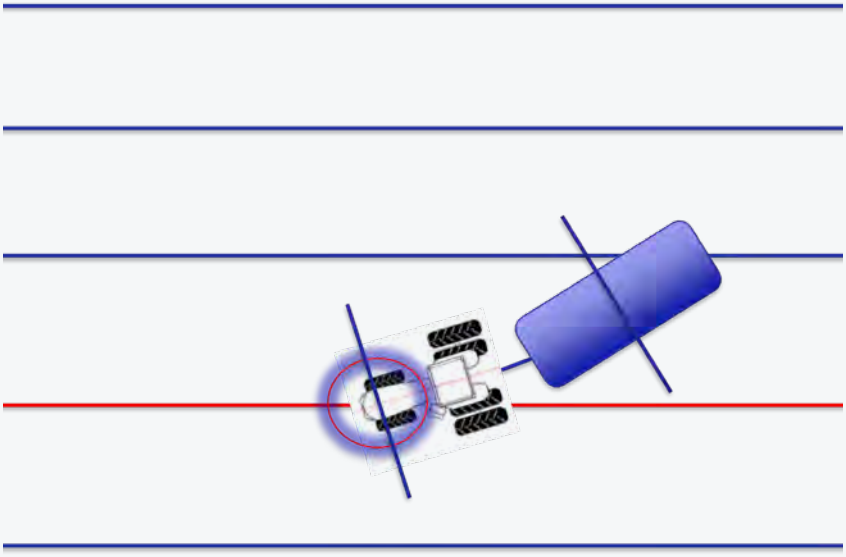
If the setting is too high, the vehicle may become unstable when turning, particularly at higher speeds. If the setting is too low, the vehicle may require a lengthy distance to engage on the swath.



Active Swath Point

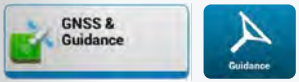




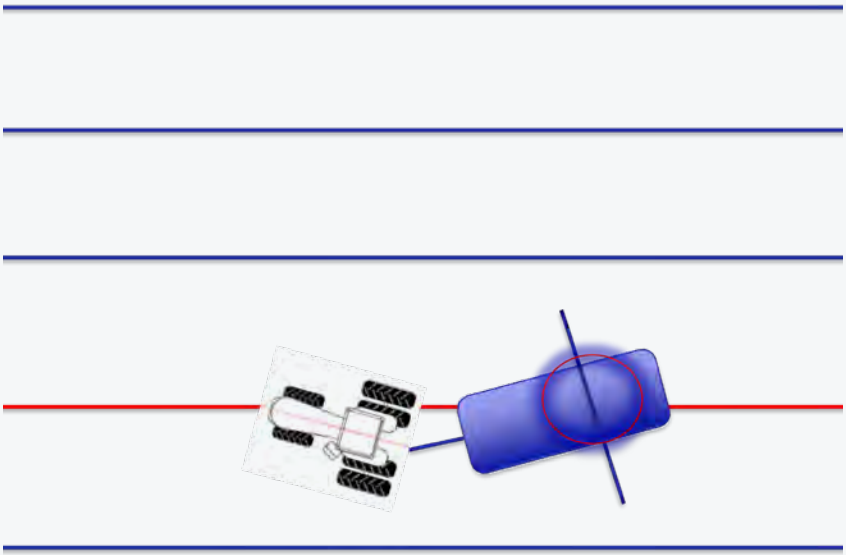


Active Swath Point set to front to allow Vehicle to come onto line faster.

Active Swath Point

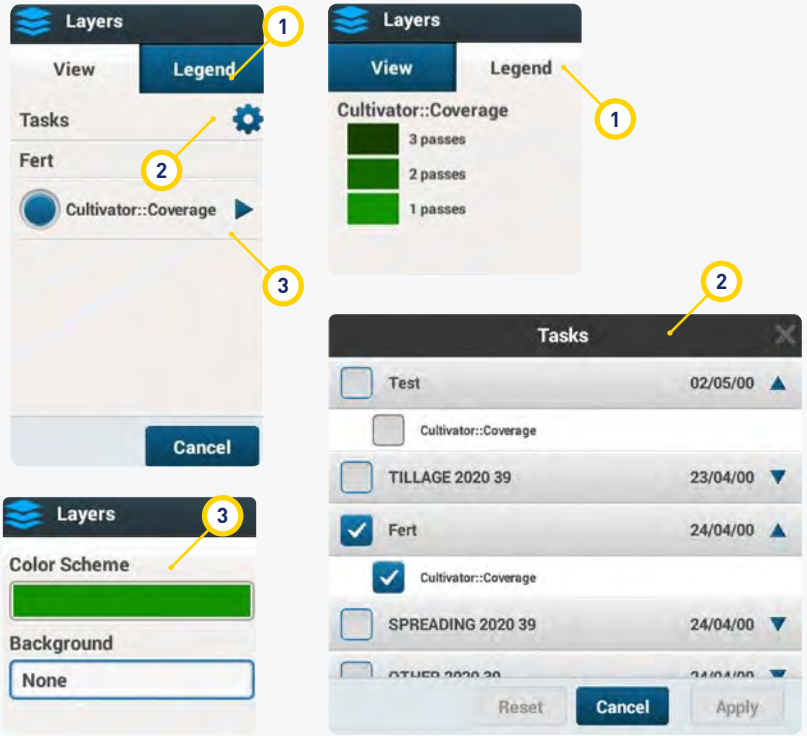


Active Swath Point set to rear to allow implement to come onto line faster.



WORK MAPS AND LAYERS

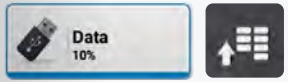
Changing layers

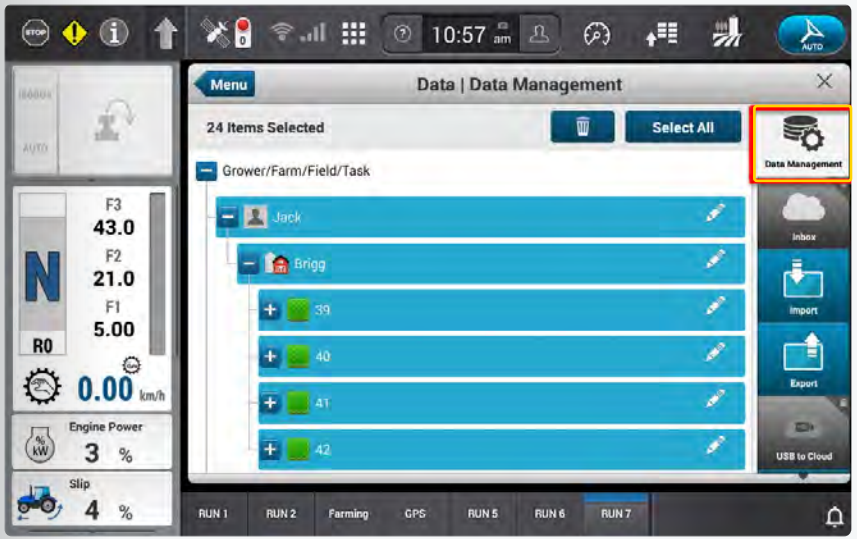


1. The legend is a key to the colours on the map. If a prescription is used as a layer then the key will show the prescription rates
2. By clicking the Gear button we can change the task quickly instead of having to access the GFF tab
3. The colour of the coverage can be changed to personal preference

DATA MANAGEMENT

Delete Screen

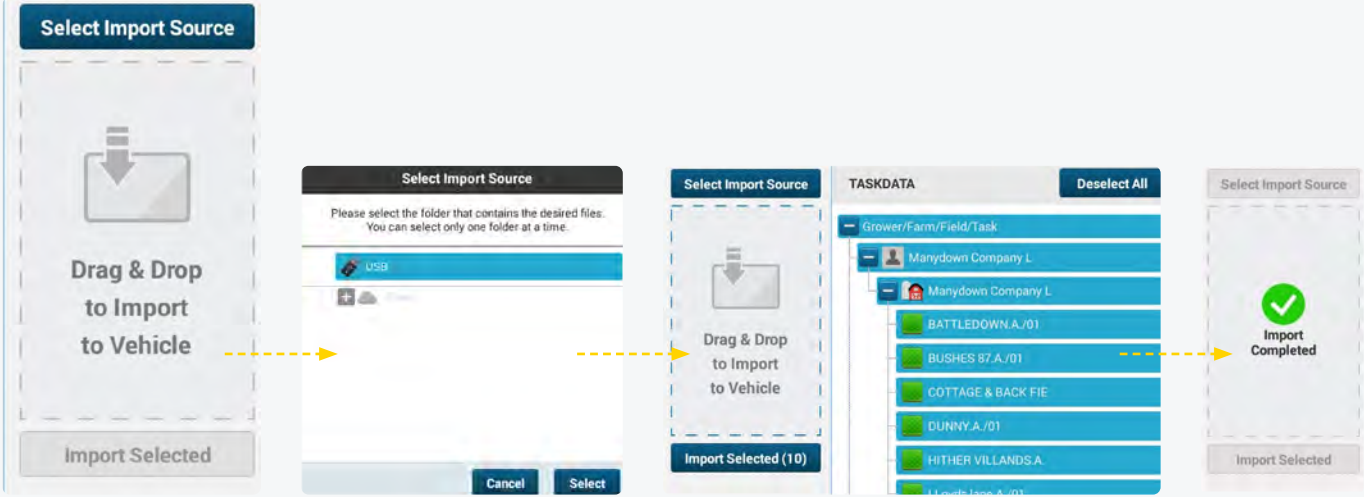




Growers, Farms and Fields can all be edited or deleted through the Data Management tab. Within each field you can delete Tasks, Swaths, Boundaries and Landmarks.

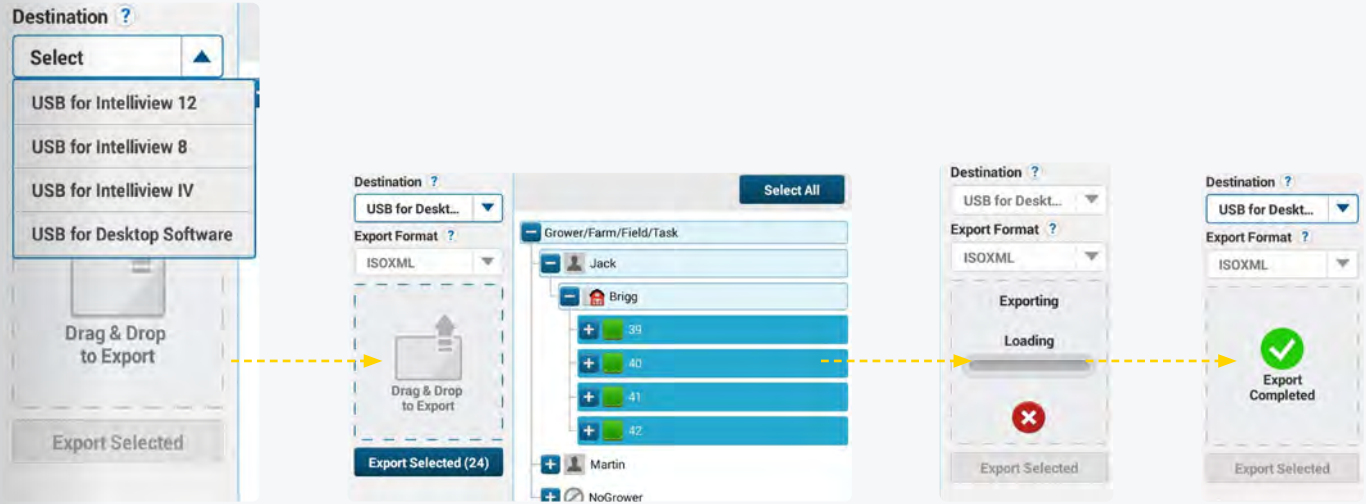
Import

In the Data Management Tab you can import files from either a memory device or over the air (Cloud based through Telematics). Select the appropriate source and files you would like to import. Then the information will be stored in the display.



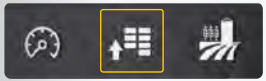
Export

Similar to the import process, select the correct format for the data to be exported as followed by the data you wish to export (Grower, Farm Field etc.). These can either be selected or dragged and dropped into side menu. Once export is complete a notification will be give.

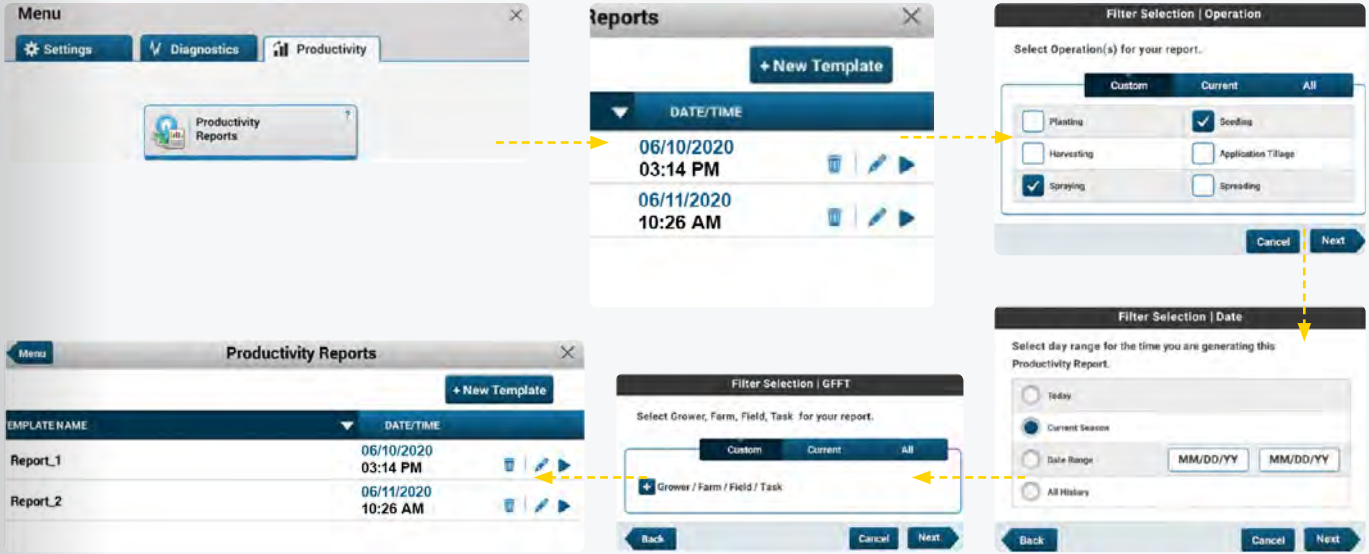


PRODUCTIVITY REPORT

Generate report



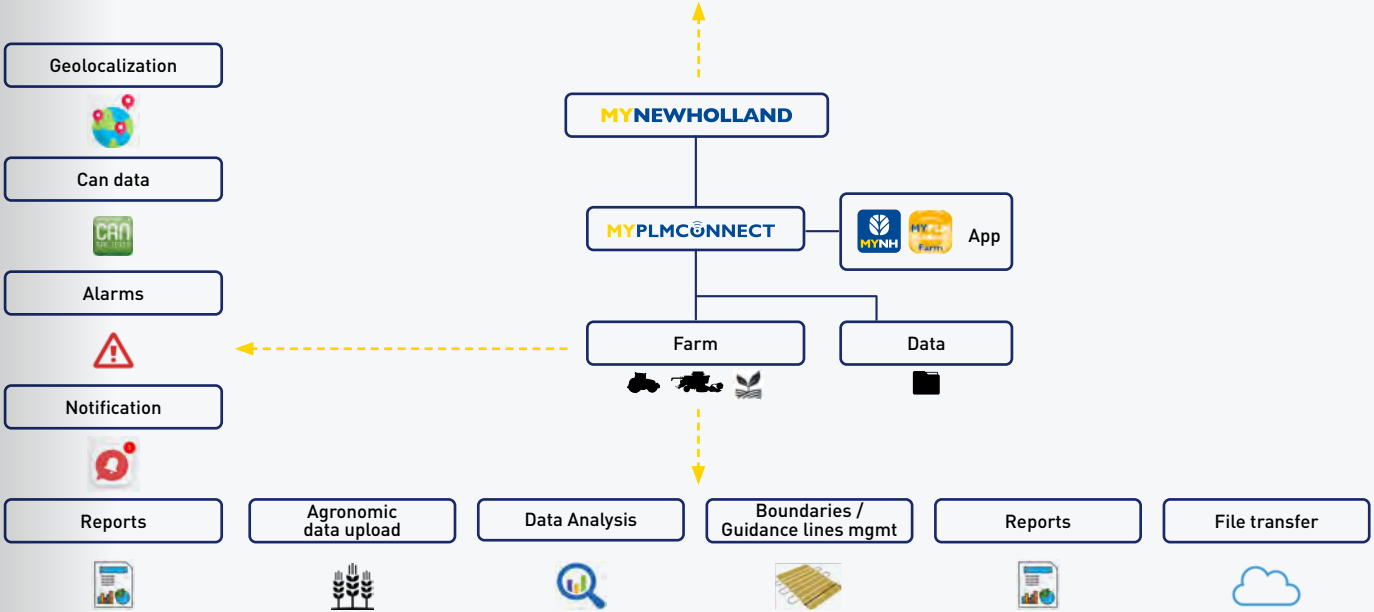
Productivity reports generated by the display give you the ability to evaluate the performance of your machines and your fields. Generating a productivity report allows you to see summary and totals calculations from the display for the given filters defined in your templates.




MYPLM®CONNECT

MyPLM®Connect

MyNewHolland™ is the gateway for New Holland customers supporting them in every aspect of their working days and problem solving. They can quickly and easily access extra information and service, whenever and wherever they want. www.mynewholland.com.

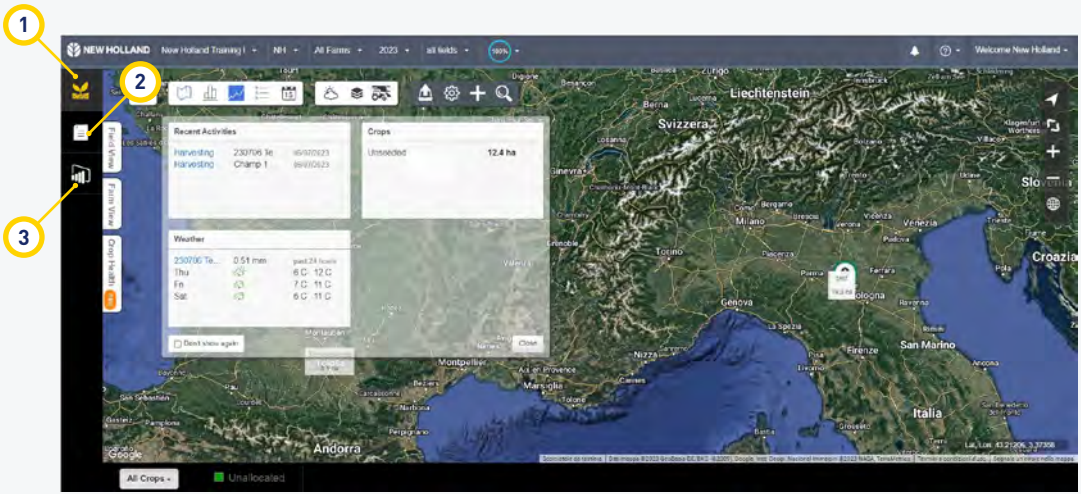



MYPLM®CONNECT

MyFarm

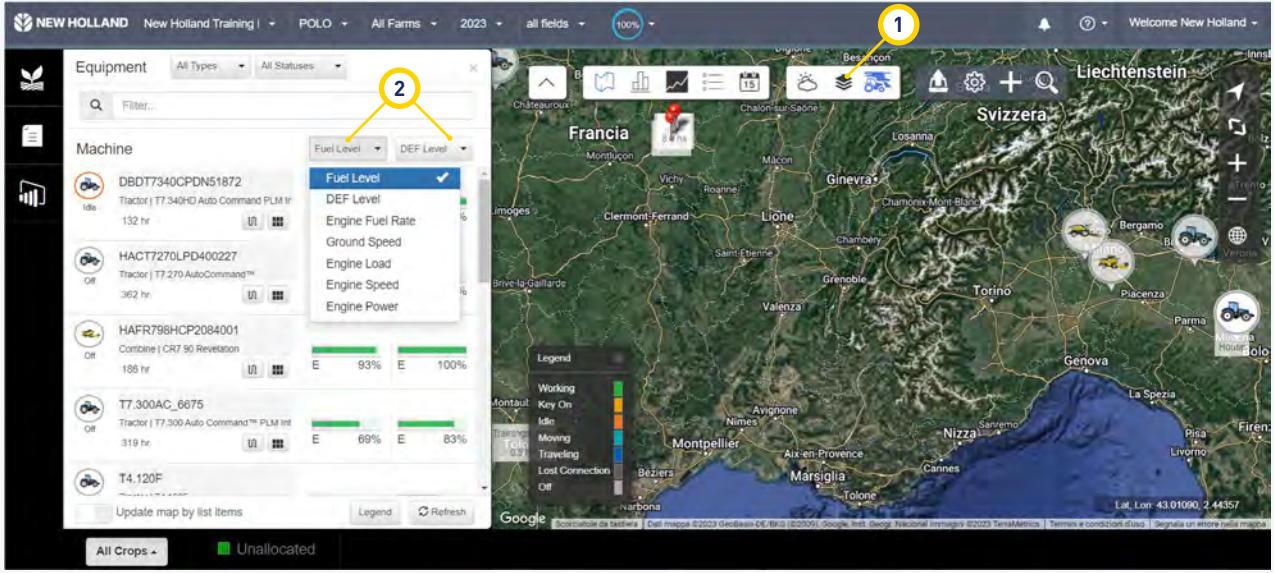
MyFarm is a tool based on data analysis and planning. It helps farmers combine a range of **Fleet/agronomic information** including geo position, machine parameters soil, weather, and crop data, and it provides **visualizations and analysis that facilitate farm management decisions.**

1. MyFarm
2. Farm Report
3. Insight / Fleet report



Machine List

By pressing the button 1, your machine list is displayed with the geolocation.

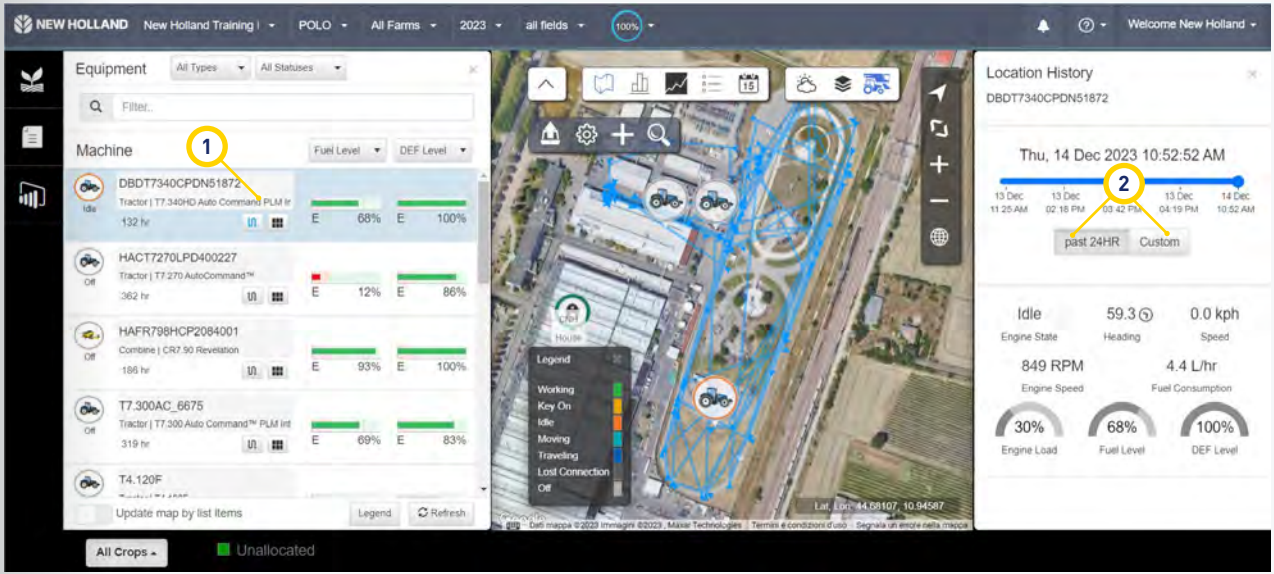


1 List view

2 Parameters selection

Location history

By pressing the button 1, the location history is displayed.

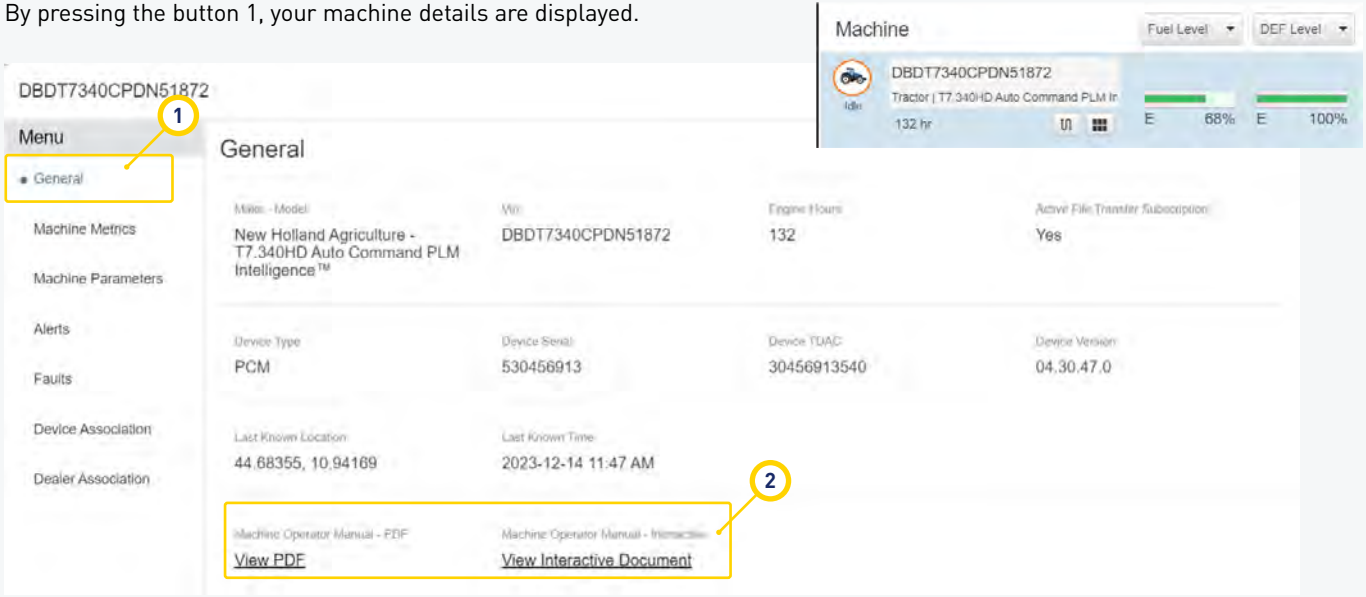


1 Location history menu

2 Last 24h of movement /custom period

Machine parameters

By pressing the button 1, your machine details are displayed.

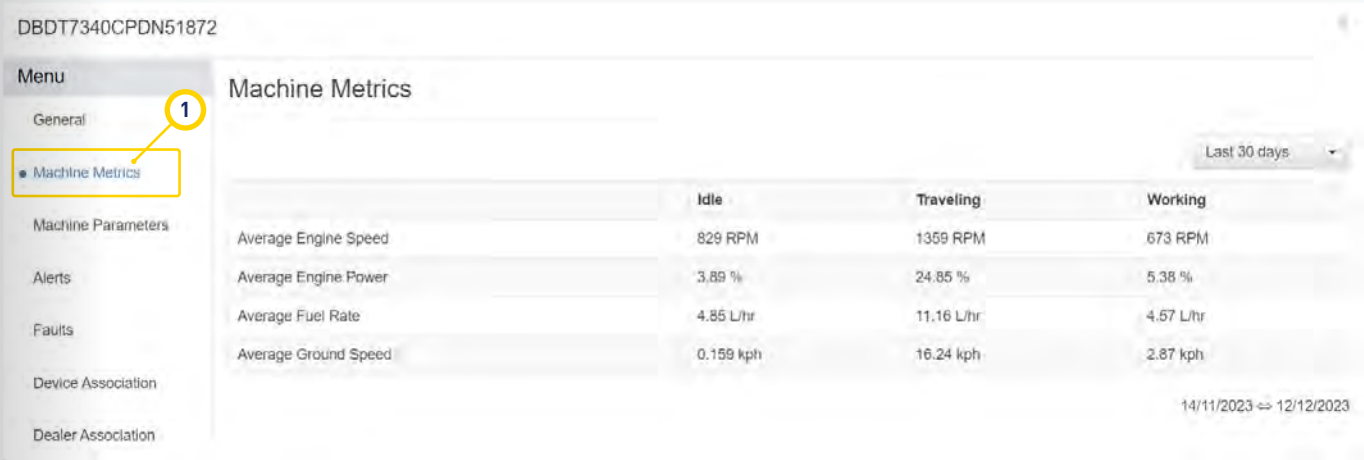


1 Details menu

2 Operator Manual

Machine parameters

By pressing the button 1,
your average main machine parameters are displayed.



1 Machine metrics

Machine Parameters

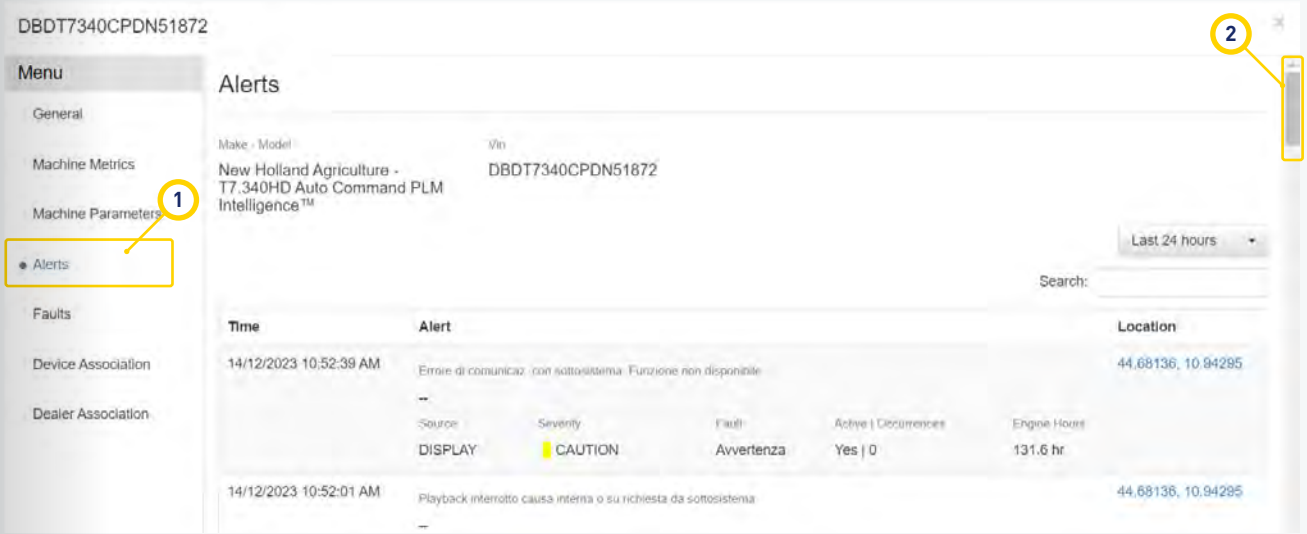
By pressing the button 1, your machine full list of parameters is displayed.

1 Machine parameters

2 Scroll to see all the parameters

Alerts

By pressing the button 1, your machine alerts are displayed.

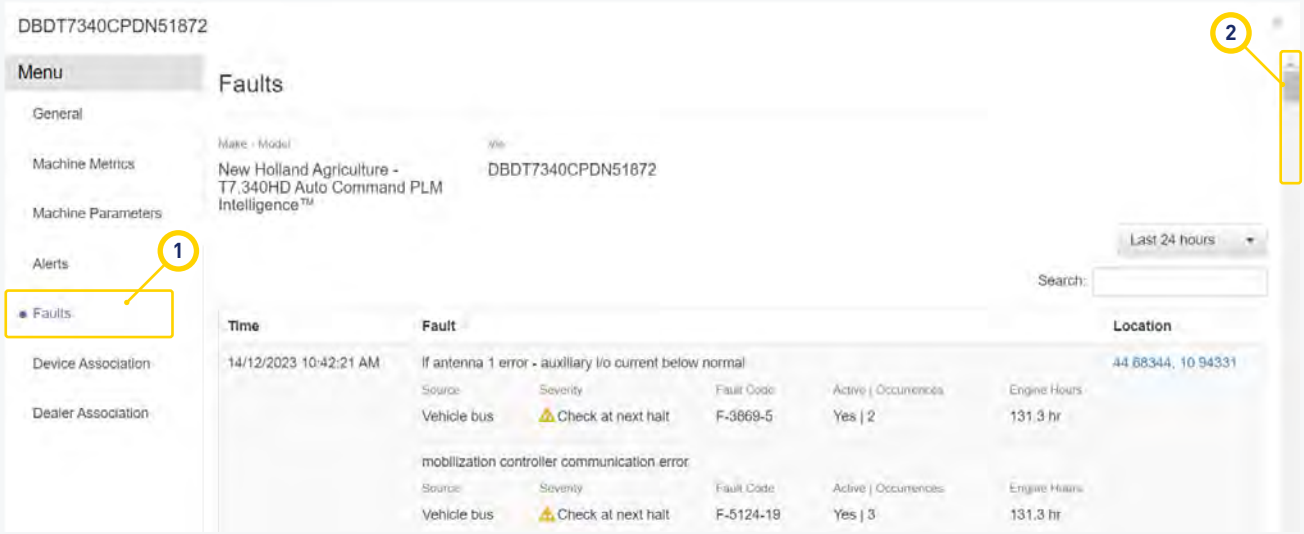


1 Alerts

2 Scroll to see all the parameters

Faults

By pressing the button 1, your machine faults are displayed.



1 Faults

2 Scroll to see all the alerts

Machine details

By pressing the button 1,
all the devices associated with your machine are displayed with s/n.

1 Device Association

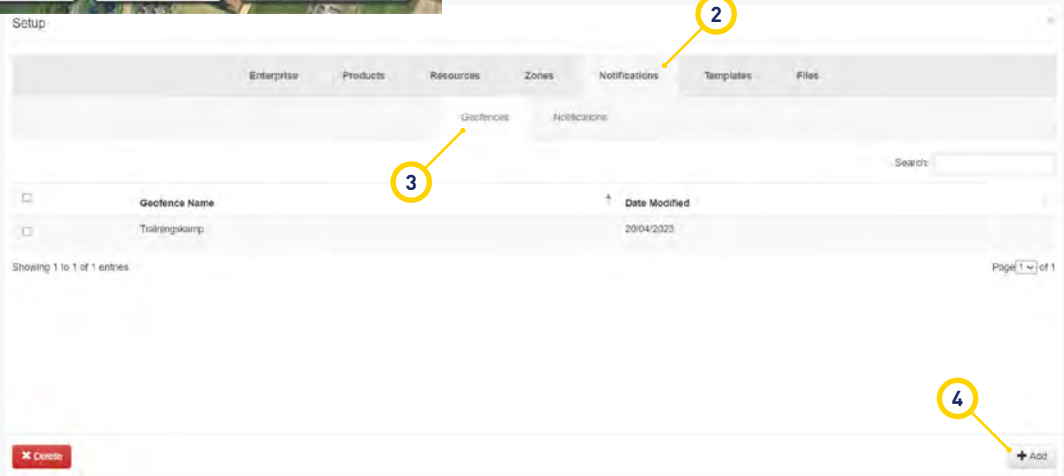
Dealer details

By pressing the button 1,
the info of your preferred dealer is displayed.

1 Dealer Association

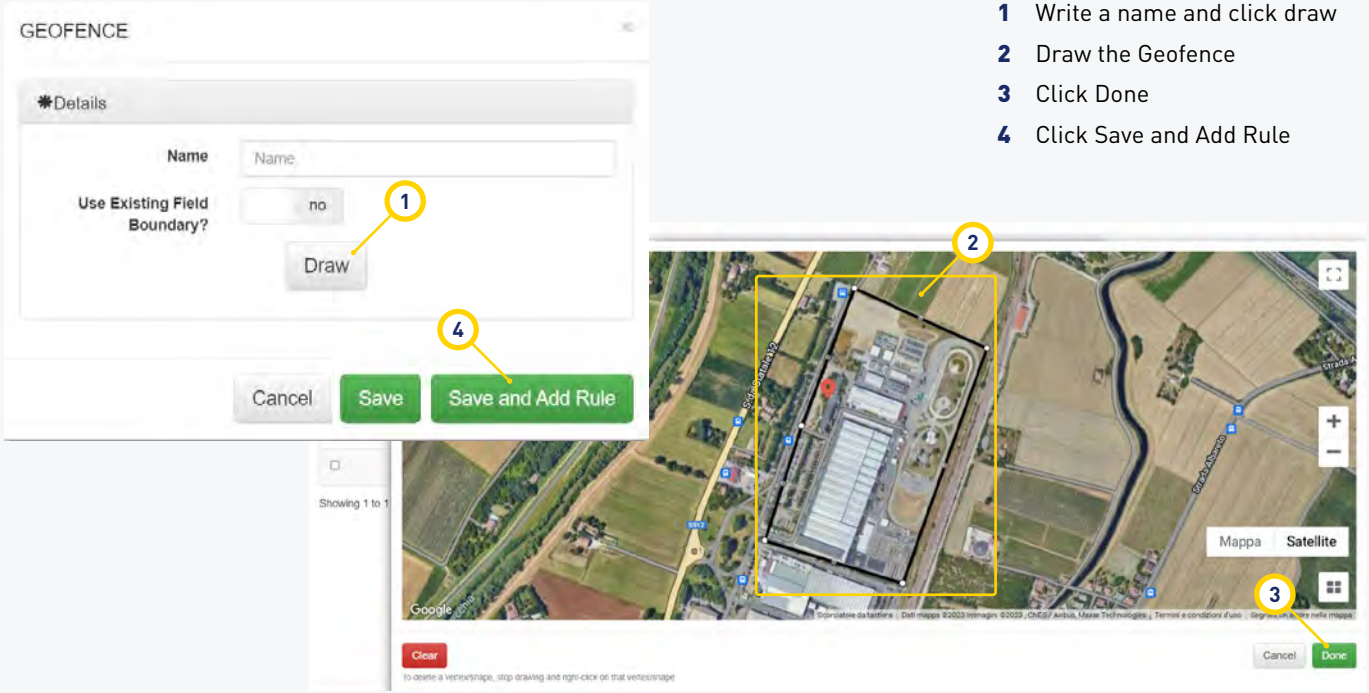
Geofences

Geofence is a boundary that triggers a notification every time a machine enters or leaves the boundary.



1 Press Setup
2 Press Notification
3 Press Geofences
4 Click Add

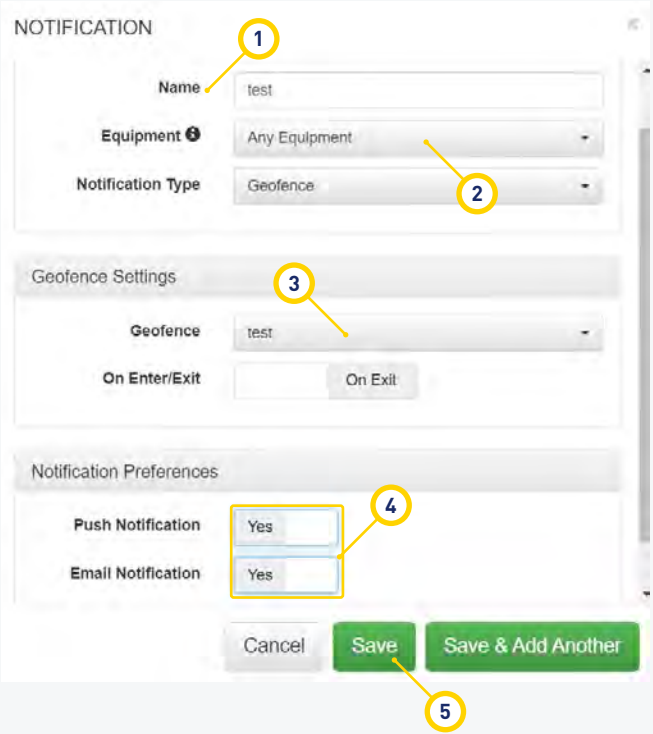
Geofences



1. Write a name and click draw
2. Draw the Geofence
3. Click Done
4. Click Save and Add Rule

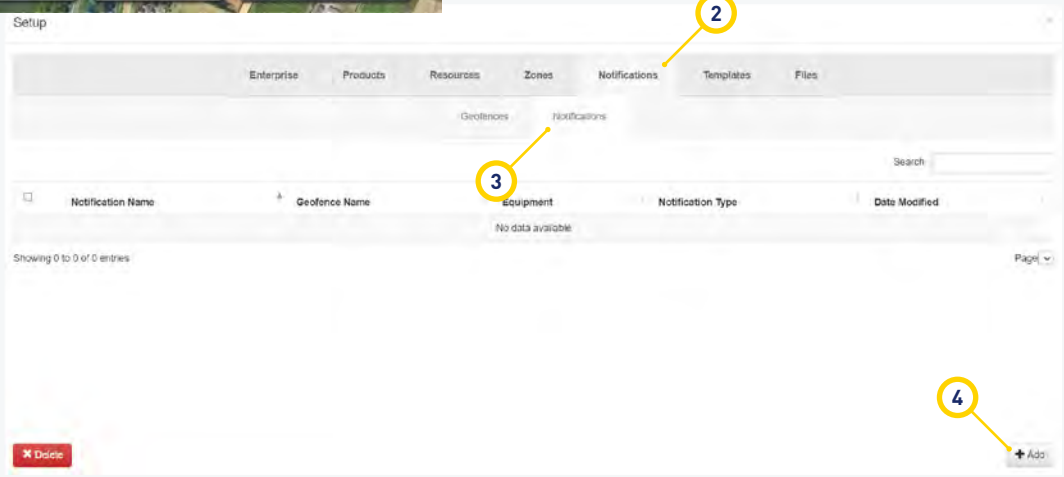
Geofences

1. Write a name
2. Select the machine/machines
3. Select the geofence that you created
4. Select the type of notification
5. Press save



Notification

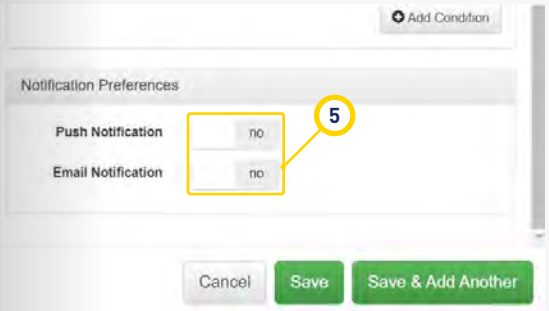
By pressing the button 1, the info of your preferred dealer is displayed.

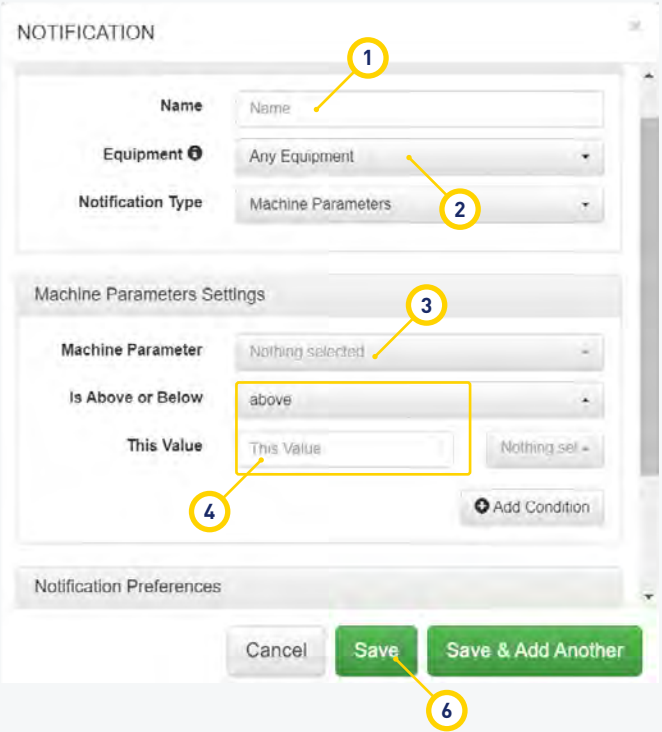


1 Press Setup
2 Press Notification
3 Press Notification
4 Click Add

Notification

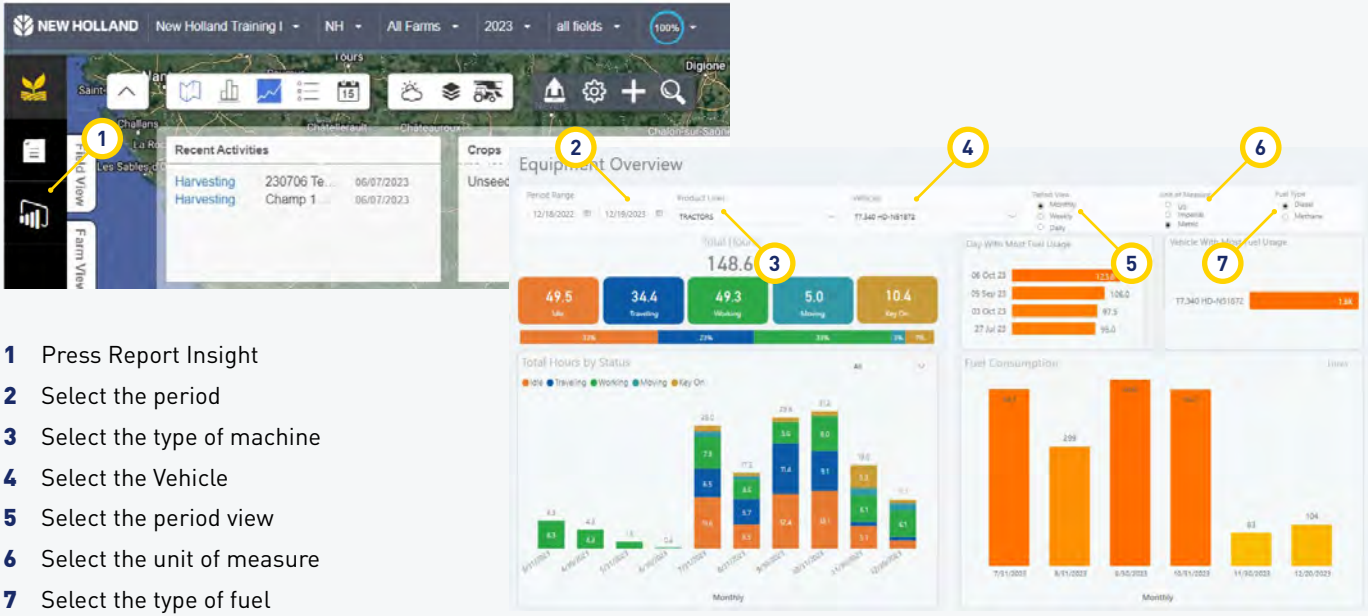
1. Write a name
2. Select the machine/machines
3. Select the machine parameter
4. Select the parameter and the rule
5. Select the type of notification that you want to receive
6. Press save





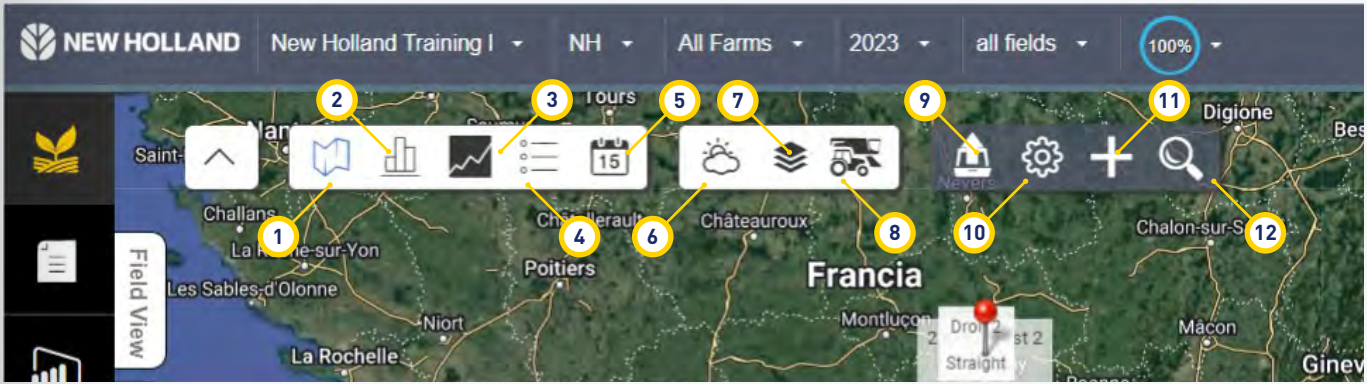
Insight

Report Insight is a new type to analyze and create reports for the fleet,
here is possible to see the engine hours and fuel consumption of all the machines.



1 Press Report Insight
2 Select the period
3 Select the type of machine
4 Select the Vehicle
5 Select the period view
6 Select the unit of measure
7 Select the type of fuel

Buttons

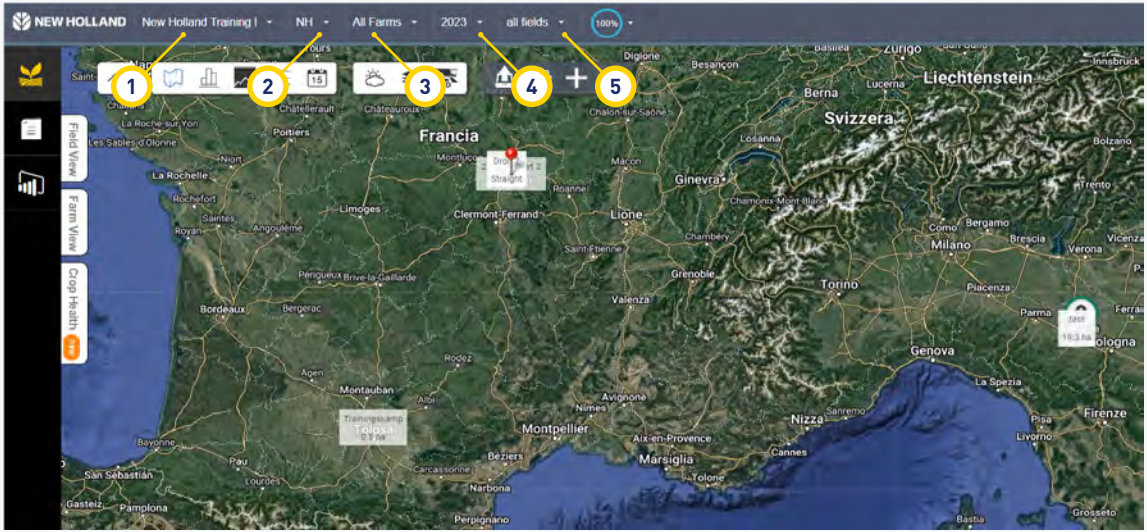


1	OVW	**7**	Layers
2	Charts	**8**	Equipment mode
3	Dashboard	**9**	Export
4	History	**10**	Setup
5	Calendar	**11**	Add
6	Weather	**12**	Search

GFF

Select

1. Account
2. Grower
3. Farm
4. Season
5. Field



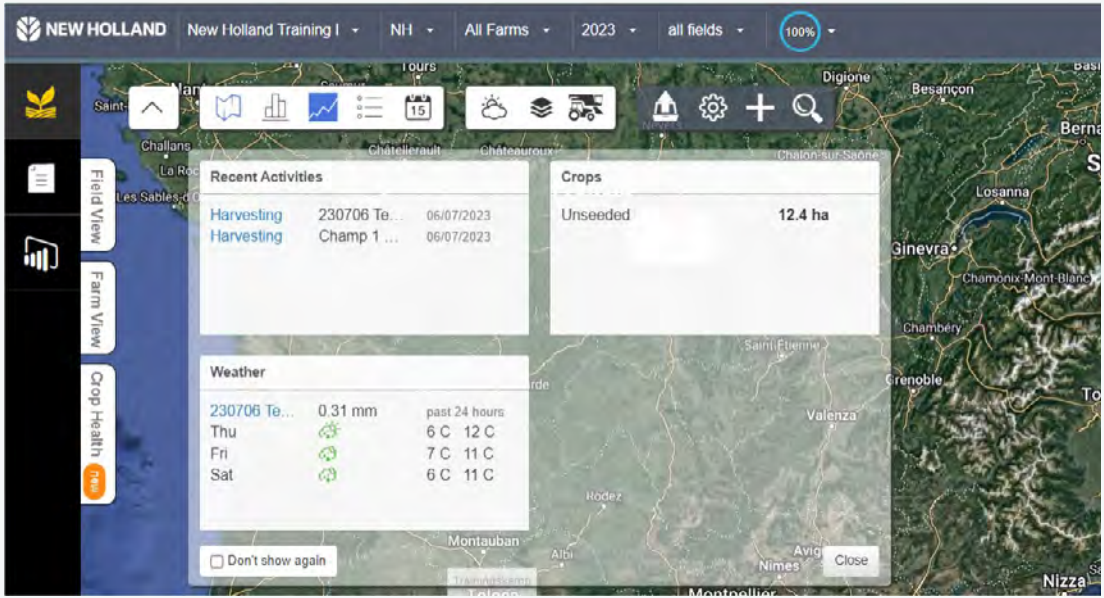
Quick status

Quick look on:

Weather

What has been done

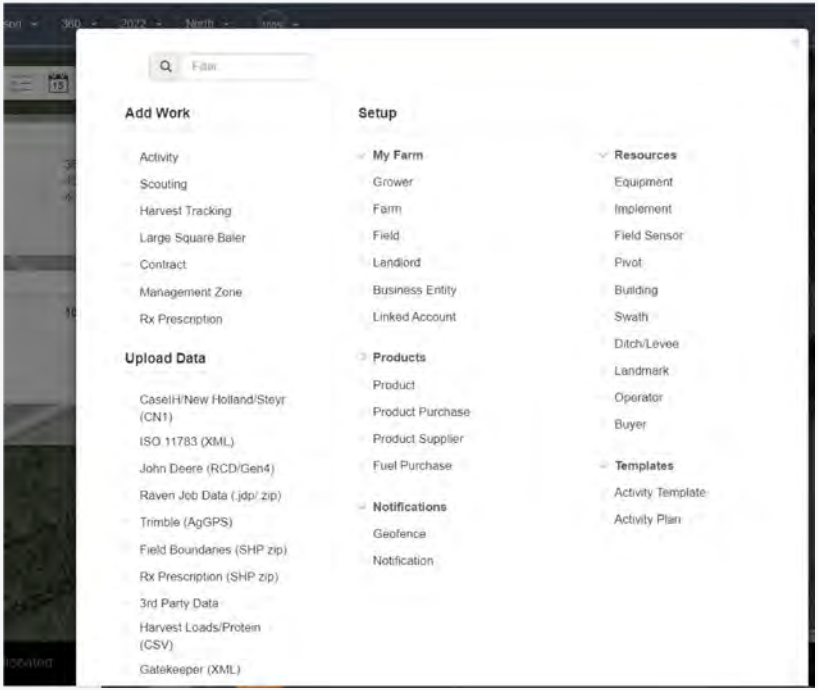
Crops to be planted.



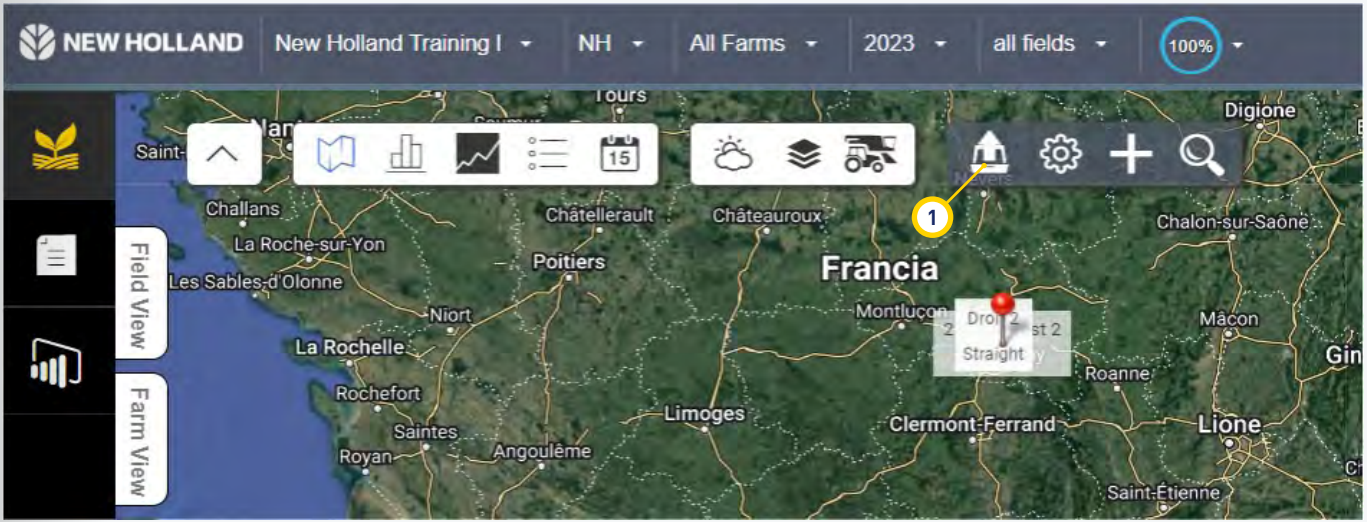
Add

Click on Add

- **RX Prescription**
- **G / F / F**
- **Swath**
- **Ditch/Levee/Landmark**
- **Upload Many Formats.**

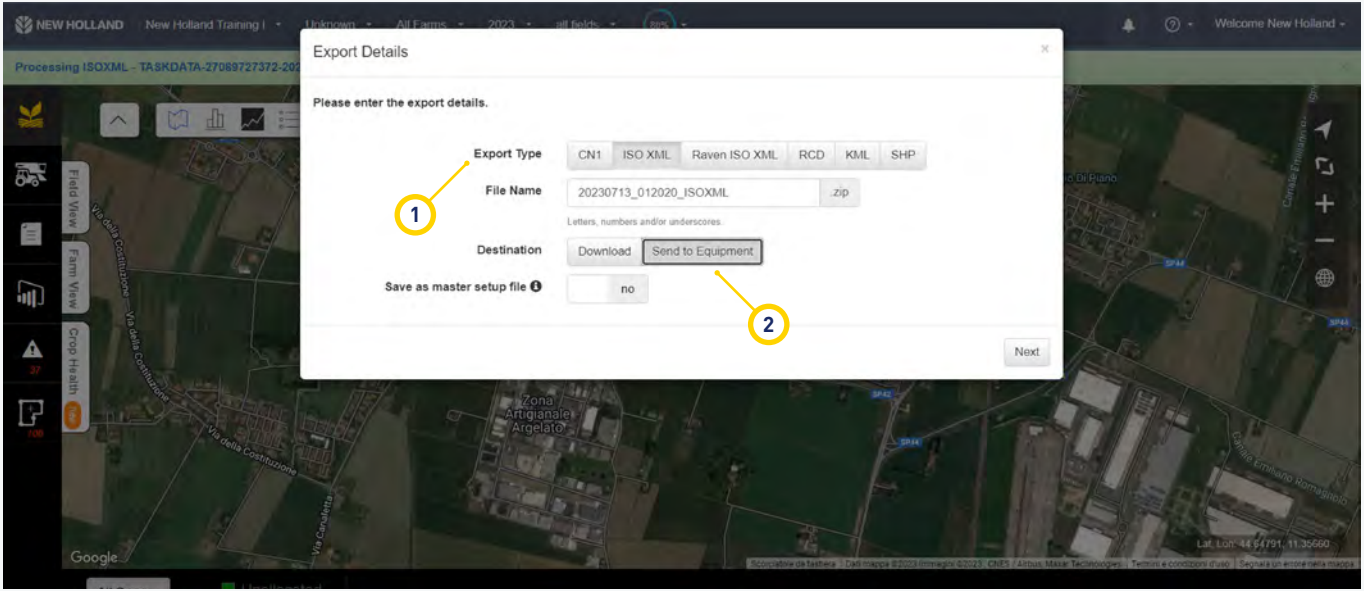


Send to Vehicles



1 Click on send icon to start the procedure

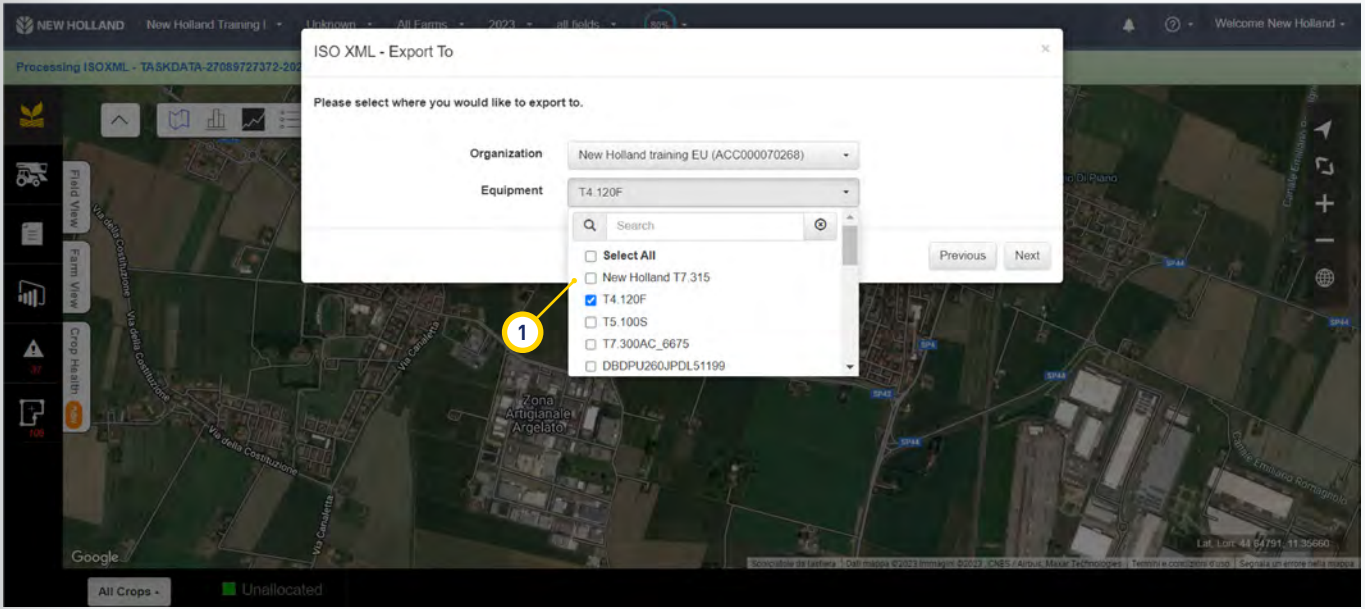
Send to Vehicles



1 Select the extension for the file that you want to send (for IV4 use. CN1 while for IV12 use. ISOXML)

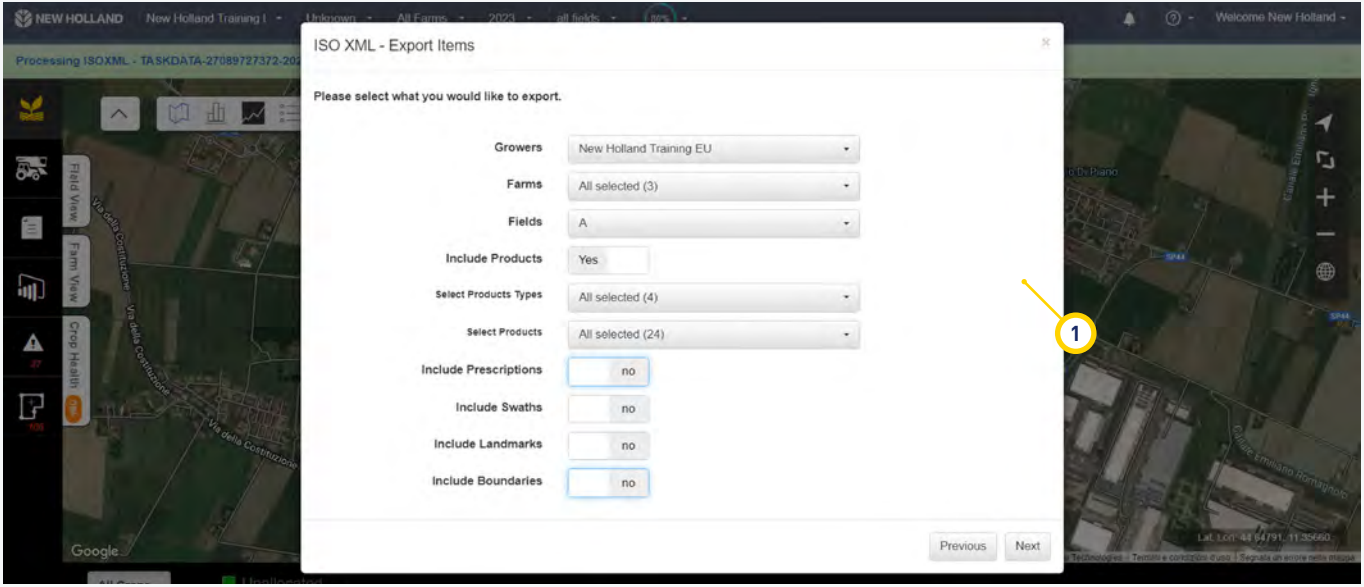
2 If you want to send directly to the machine click on send to equipment otherwise you can download the file and use a USB stick to load it in the monitor

Send to Vehicles



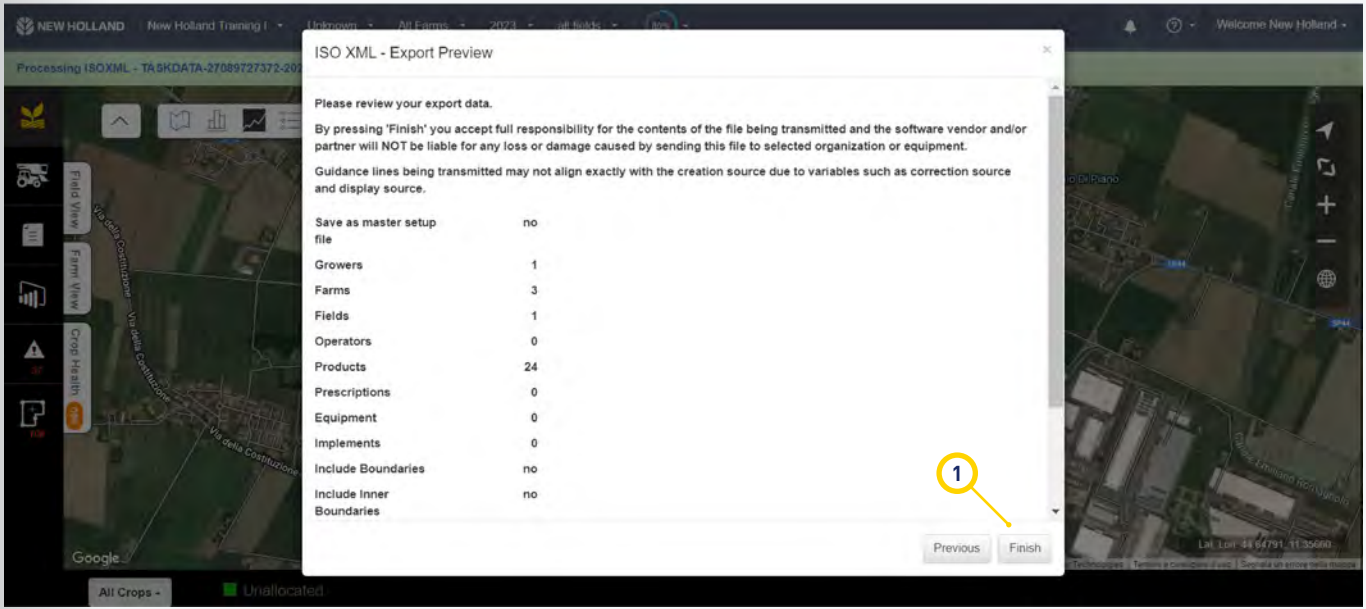
1 Select the vehicle that you want to send the file

Send to Vehicles



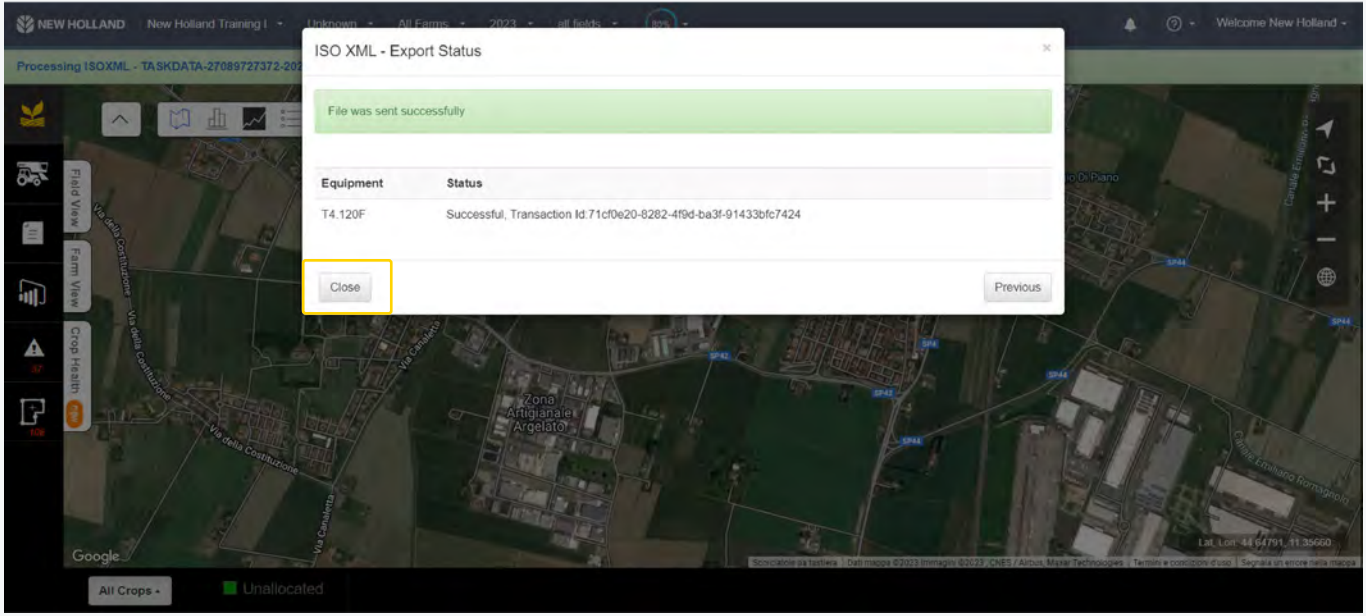
1 Select GFF to send and desired details

Send to Vehicles

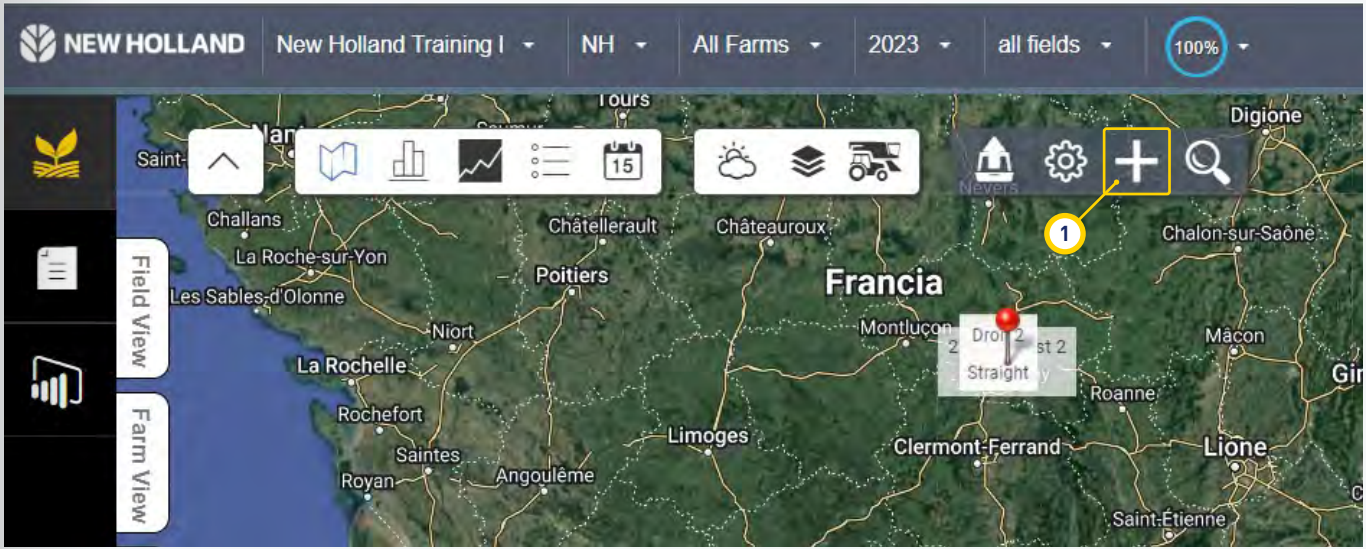


1 Click on Finish button

Send to Vehicles

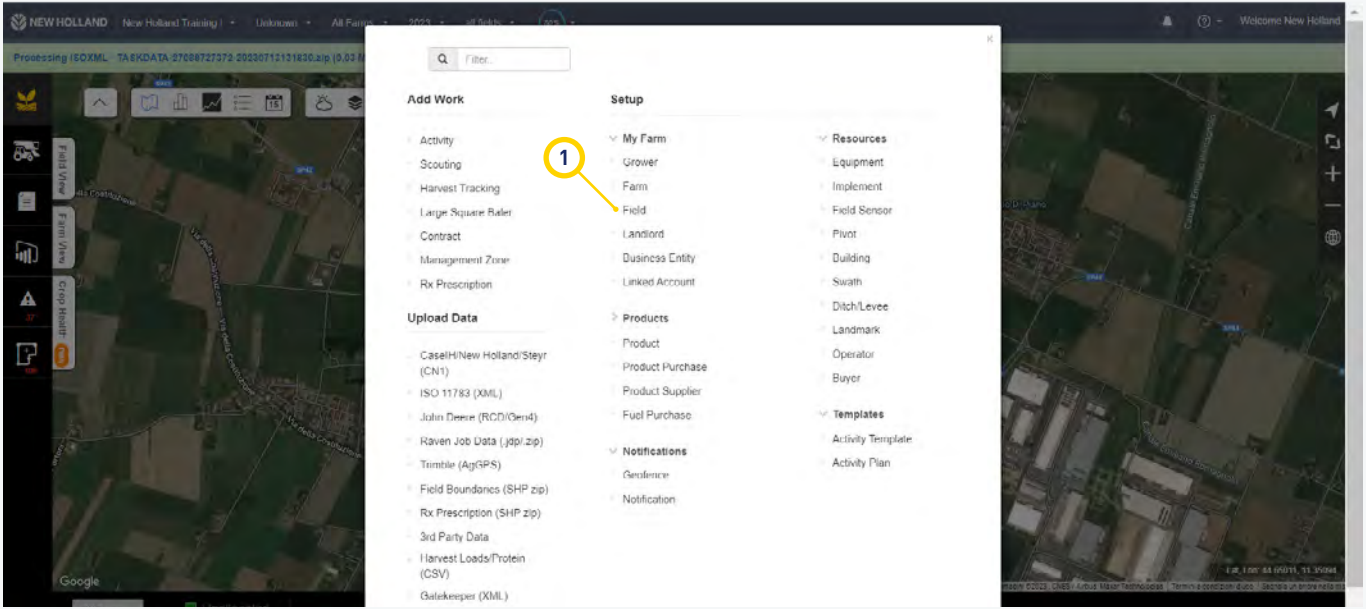


Create new field



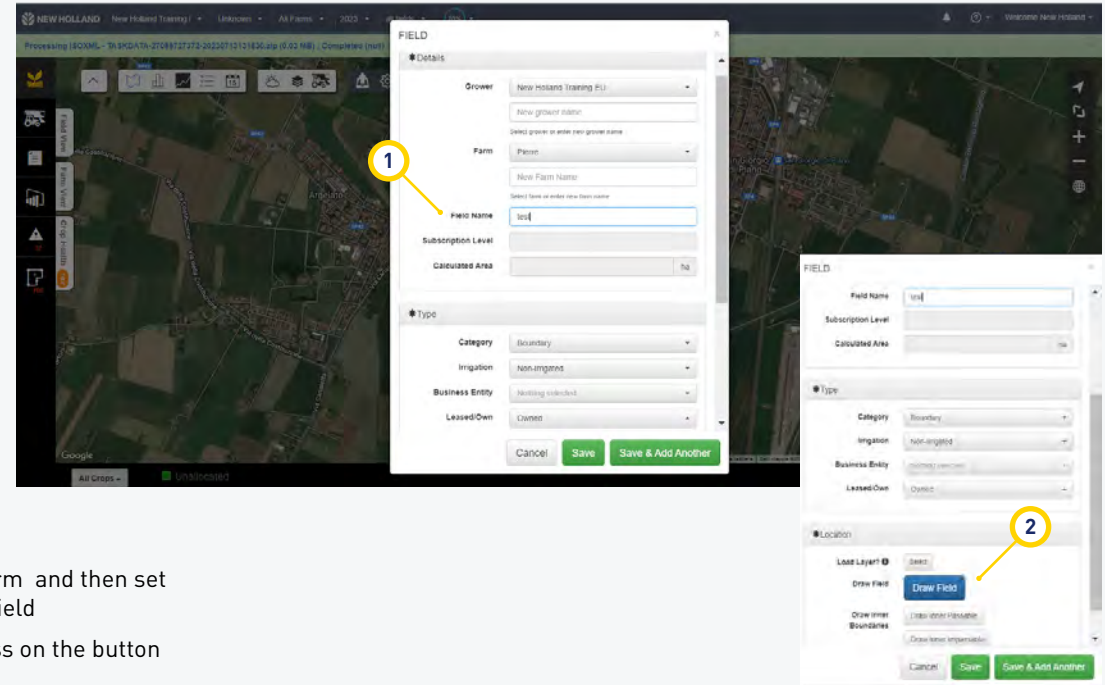
1 Click on Add button to start the procedure

Create new field



1 There are many things that you can create from this menu, by clicking on field you cans start the procedure to draw a new field boundary

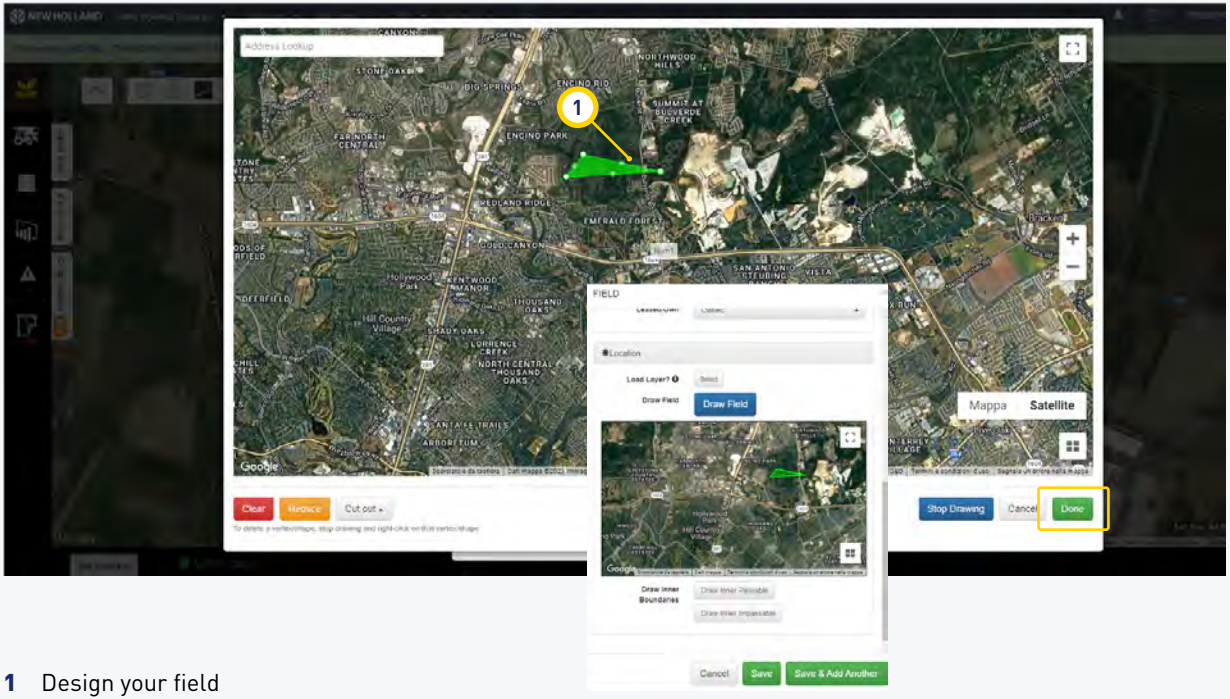
Create new field



1 Select the grower farm and then set a name for the new field

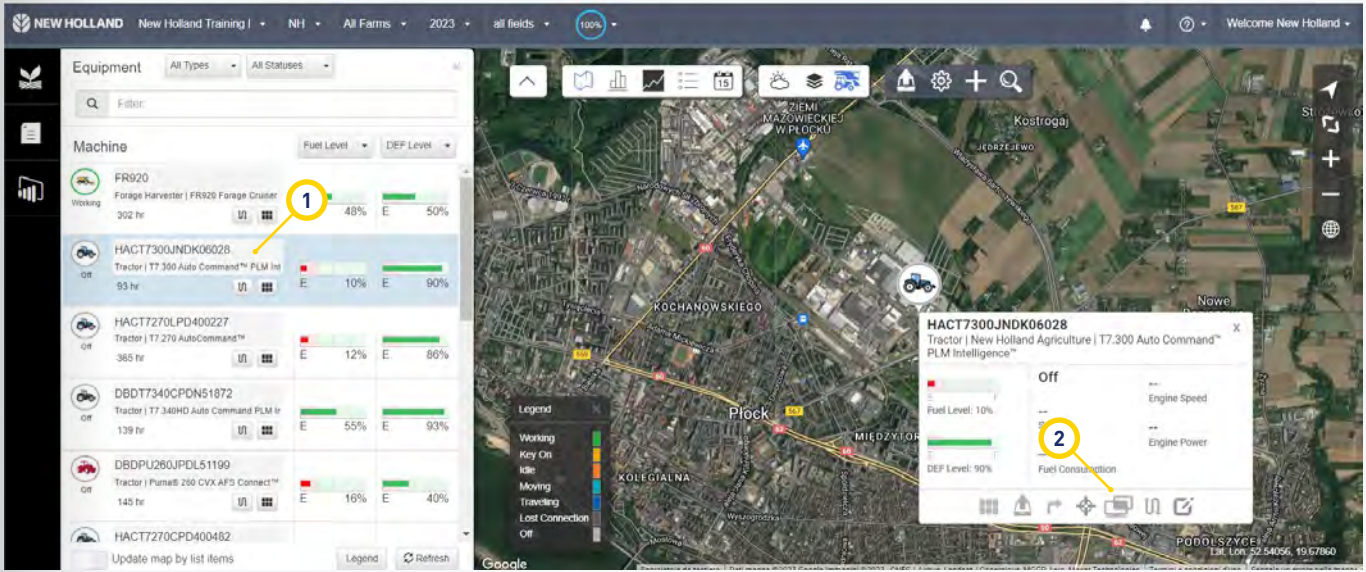
2 Scroll down and press on the button draw field

Create new field



1 Design your field

IntelliView connect



1 Click on the vehicle that you want to show

2 Click on the remote display button to start the procedure (Teamviewer must be installed on the PC) remote display view

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