

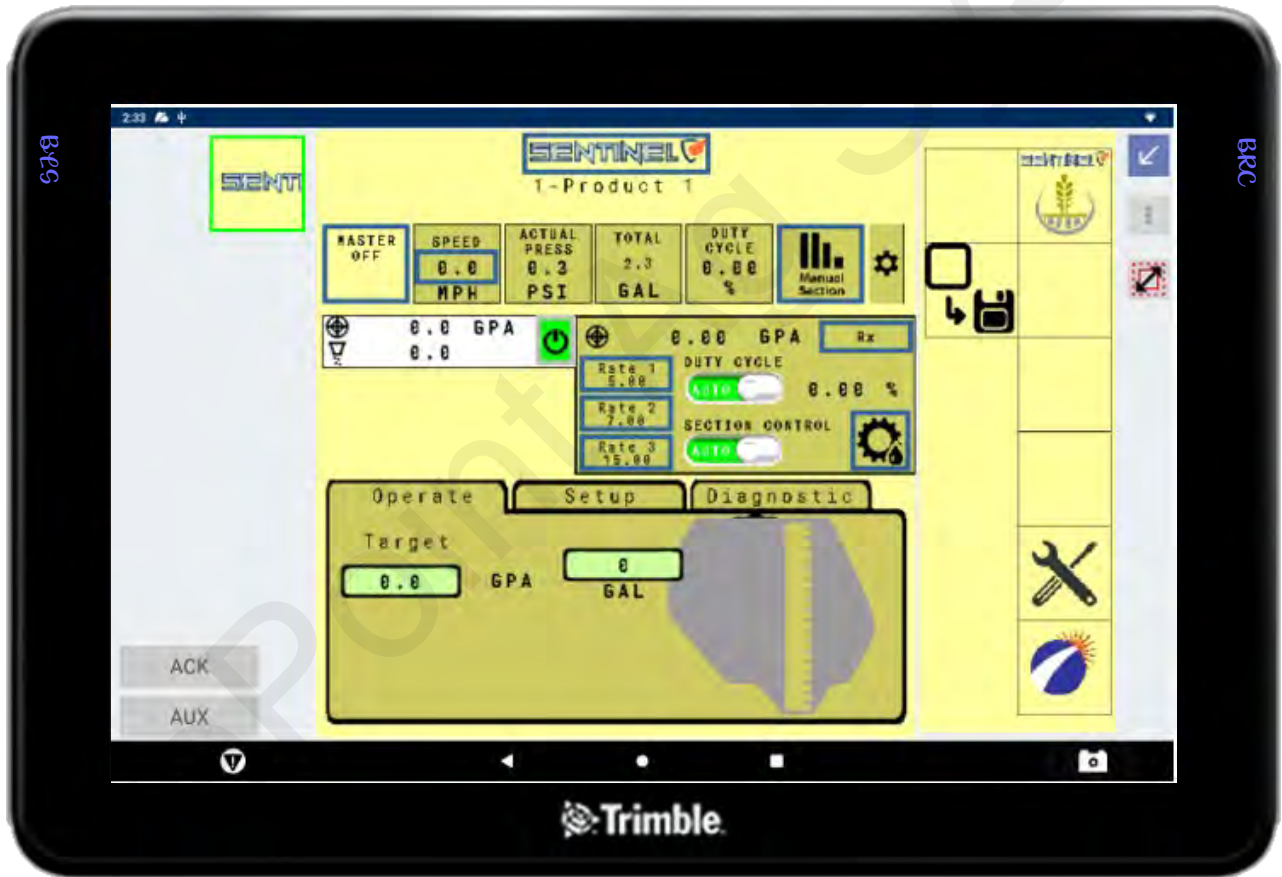
396-6563Y1

Trimble GFX 1060

ISOBUS Sentinel



SurePoint
Ag Systems



NOTICE

Operator should read this manual before operating the system.



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General Description

You have purchased a SurePoint Sentinel system for your equipment. This system will be controlled by the Sentinel ECU through your in-cab ISO display. In this manual we will be showing you step-by-step how to set up task control on your Trimble GFX 1060 display. This manual will show you how to set up SurePoint's Sentinel system.

A

Software &
Unlock Activation

B

Sentinel Setup

C

ISOBUS
Universal
Terminal

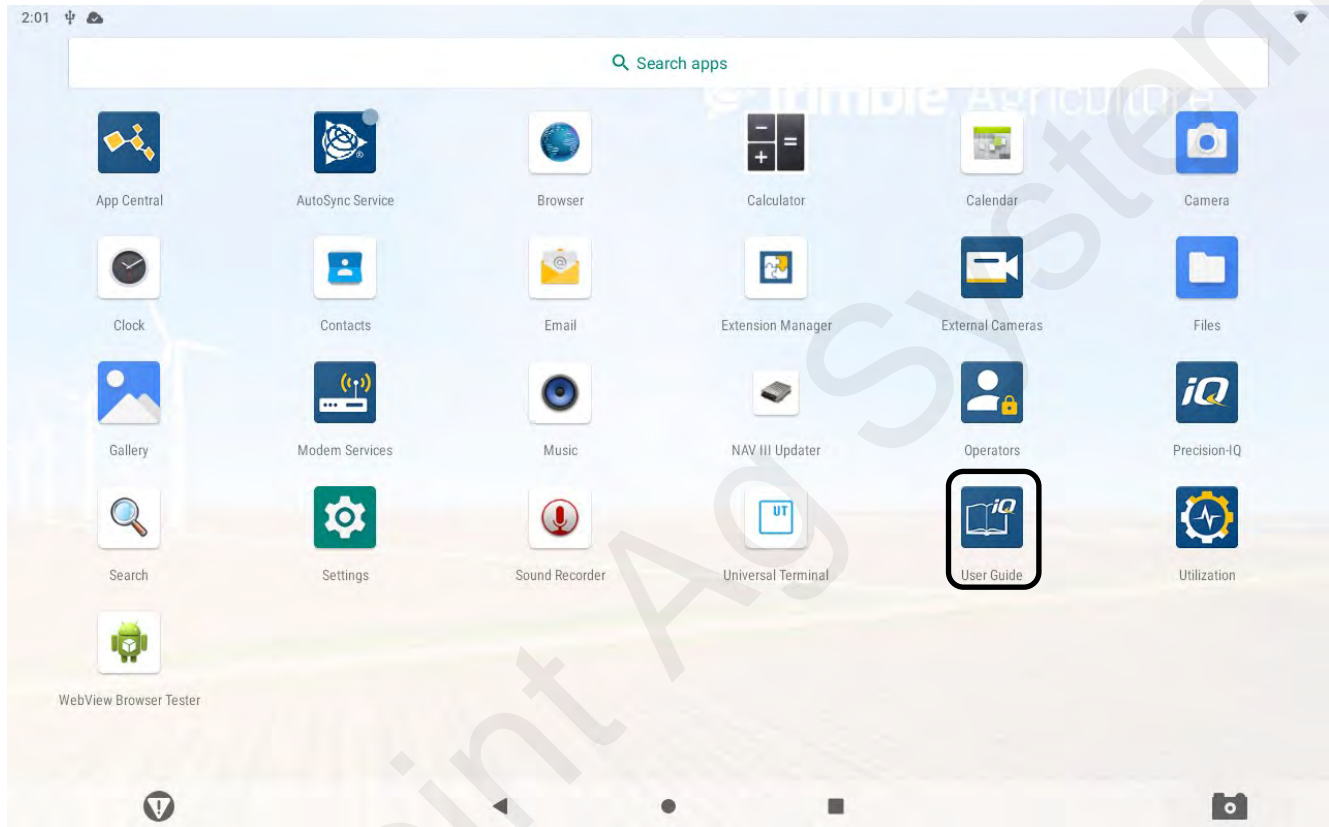
D

Implement
Setup

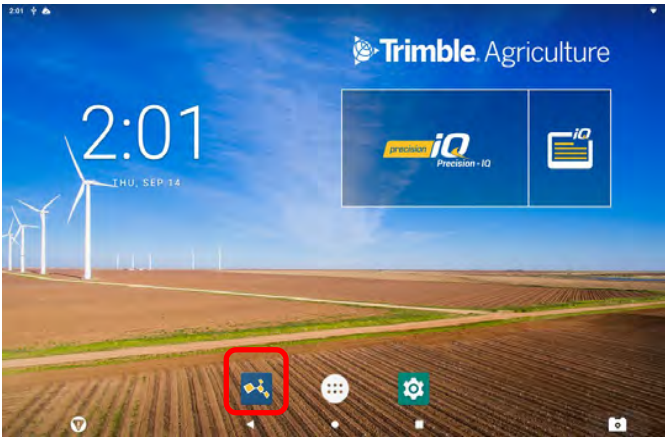
A

Software & Un-lock Activation

The GFX-1060 and GFX-1260 use the same software and setup is identical. TMX-2050 Displays are similar on setup but there are some differences. The Display User Guide can be viewed by selecting it from the display Apps screen.



Unlocks - Software



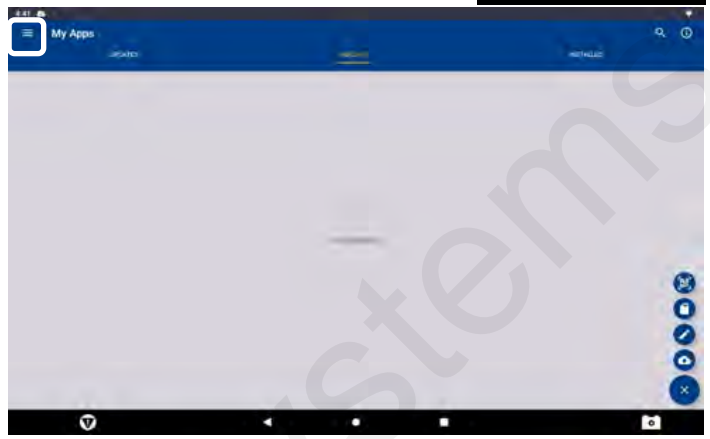
STEP 1

To identify the Unlocks installed on the display.



Press the Tab.

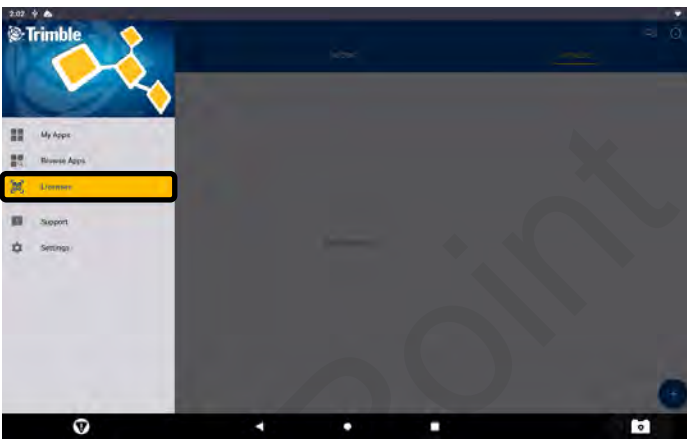
Unlocks - Software



STEP 2

Press the three lines to open the drop-down menu.

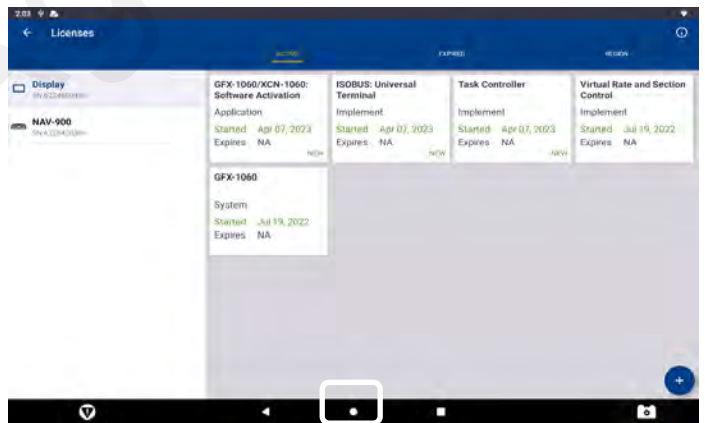
Unlocks - Software



STEP 3

Press the Tab.

Unlocks - Software



STEP 4

All installed Licenses and Unlocks will appear on this page. Licenses and Unlocks are to be purchased through your Trimble dealer. ISOBUS Universal Terminal, Task Controller, Virtual Rate and Section Control unlocks must be installed and activated for Sentinel ISOBUS and Task Control to function correctly.

Press the Tab at the bottom of the screen.

B

Sentinel Setup

See the [Sentinel Manual, 396-4035Y1](#), provided with your system for harness layouts, system setup, module addressing and more about operating the Sentinel Rate Control system.
https://support.surepointag.com/media/documents/396-4035Y1_-

Scan or click the QR Code to go to the Sentinel Instructional Videos Playlist on YouTube.



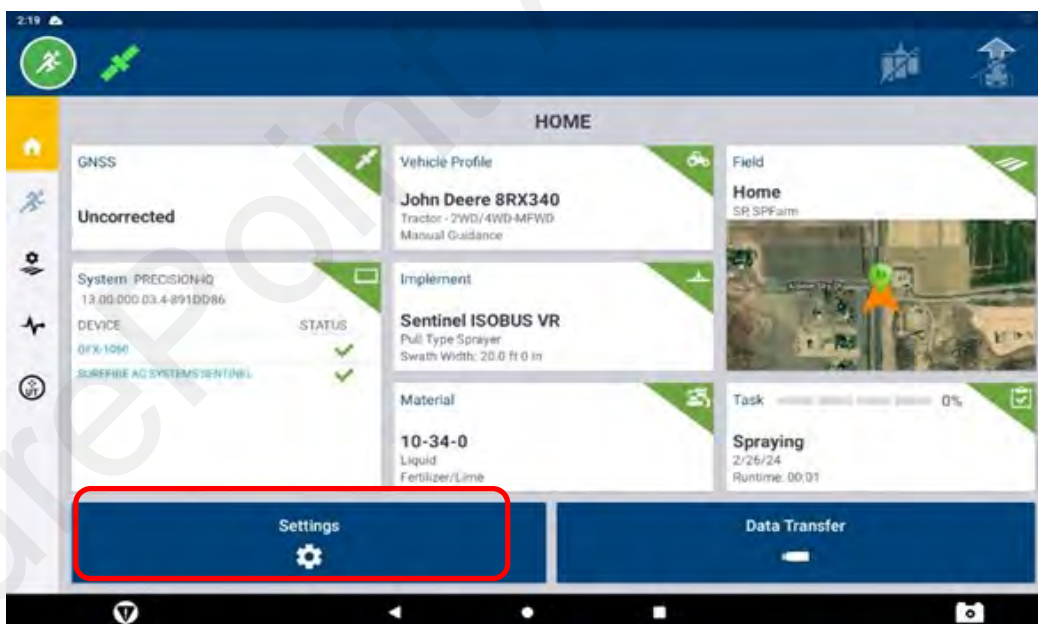
SurePoint Ag Systems





STEP 1

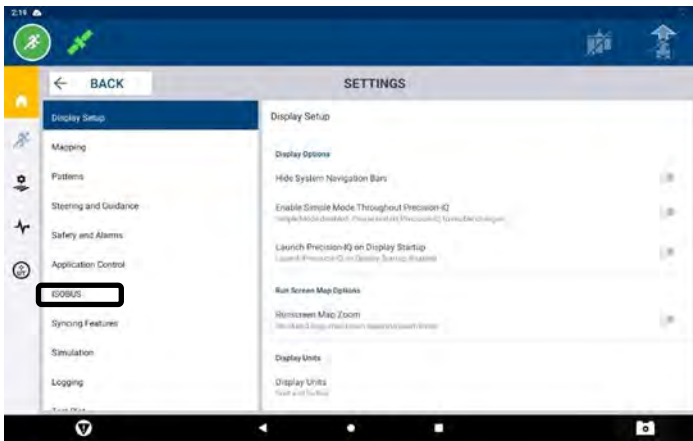
Press Precision iQ.



STEP 2

Press settings.

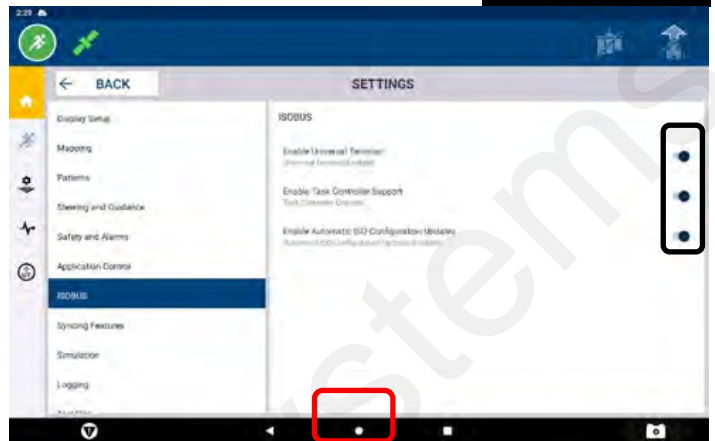
Unlocks - Software



STEP 3

Press the ISOBUS tab.

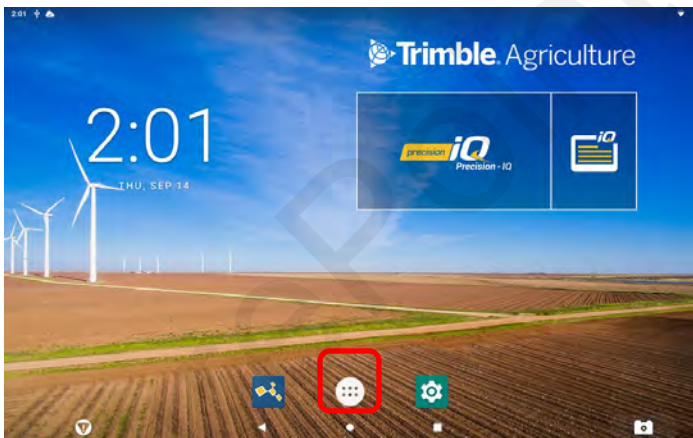
Unlocks - Software




STEP 4

Ensure all three sliders are turned on. Press the circle when you have completed this.

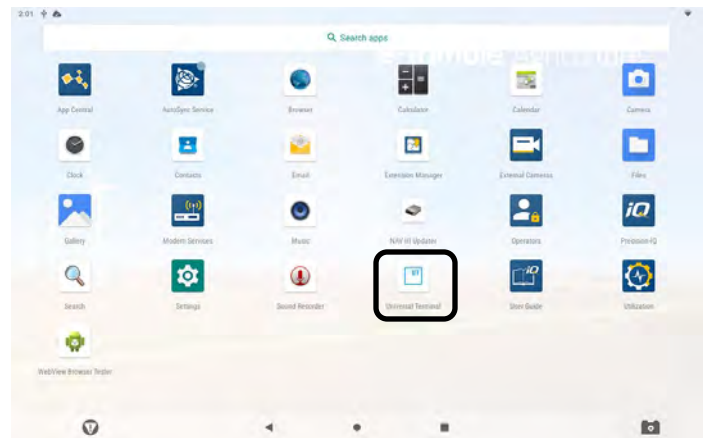
ISOBUS Universal Terminal



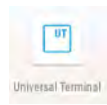
STEP 5

Press the  Tab at the bottom of the screen.

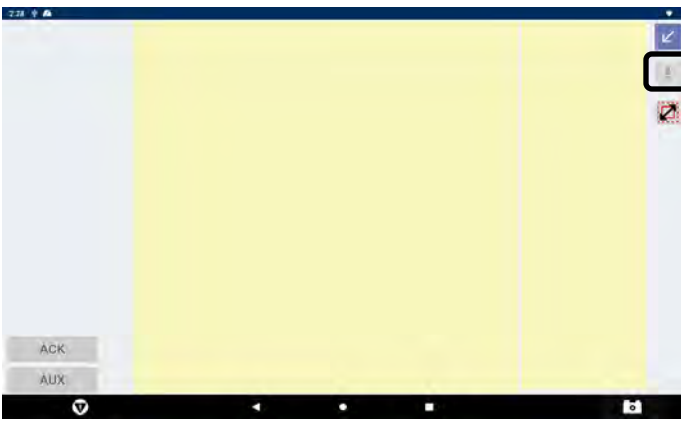
ISOBUS Universal Terminal



STEP 6


Press the  Tab.

ISOBUS Universal Terminal

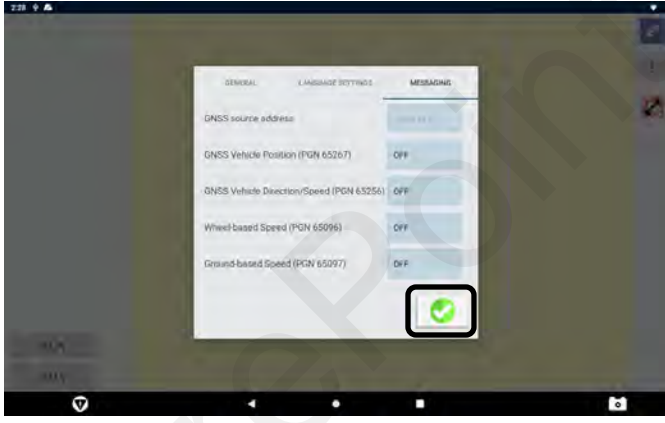


STEP 7

If no controllers appear on this screen, then either the ISOBUS Universal Terminal is not enabled or there is no communication between the Display and the Controller.

Press  Tab located at the top, right corner of display.

ISOBUS Universal Terminal



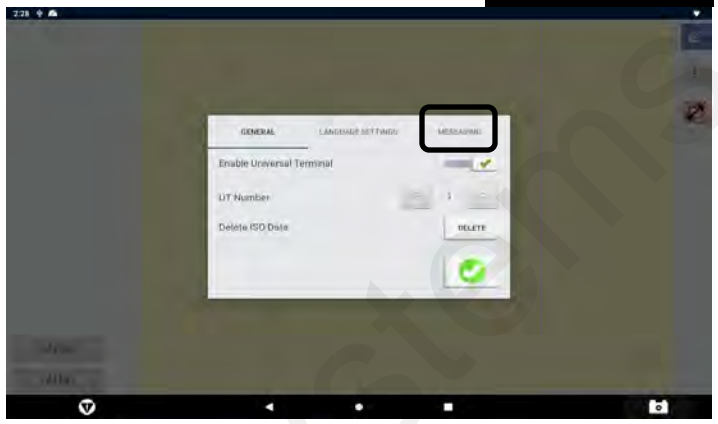
STEP 9

All Messaging needs to be active at 5 HZ to send ISO Speed and Location to the Sentinel ISOBUS Controller. Select each selections and set to 5 HZ.



Press  accept.

ISOBUS Universal Terminal



STEP 8

Enable Universal Terminal Slide bar should be check marked green.



Press  Tab.

ISOBUS Universal Terminal



STEP 10

If the ISOBUS controller is being loaded, the



will be displayed.

B

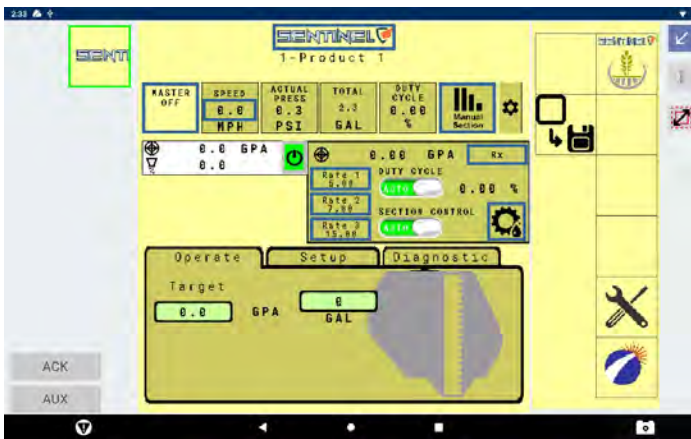
Sentinel Setup

See the [Sentinel Manual, 396-4035Y1](#), provided with your system for harness layouts, system setup, module addressing and more about operating the Sentinel Rate Control system.
https://support.surepointag.com/media/documents/396-4035Y1_-

Scan or click the QR Code to go to the Sentinel Instructional Videos Playlist on YouTube.



ISOBUS Universal Terminal



STEP 11

If previous settings have been completed correctly, the Sentinel controller will show up.

ISOBUS Universal Terminal



STEP 12


On this screen, **PROGRAM** the Sentinel setup for your operating system. This can be done manually or using the Setup Wizard. Ensure all information that is entered is correct. Use a tape measure for accurate Tractor and Implement measurements as this will affect Task Control and Display Implement setup processes.

ISOBUS Universal Terminal

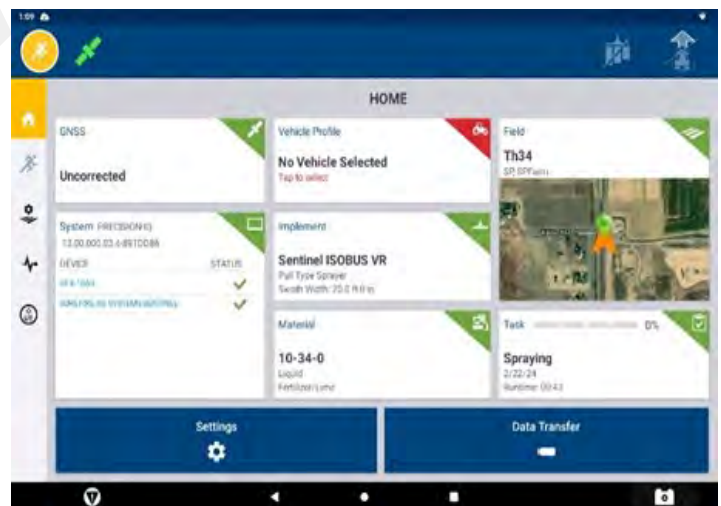


STEP 13

Refer to our **396-4035Y1** manual for complete Sentinel setup and operation. **Do not proceed until the Sentinel is programmed.** Once the Sentinel controller is configured

press the  Tab at the top left corner of the display.

Vehicle Profile



STEP 14

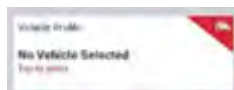
A vehicle profile needs to be set up if no vehicle is present. Check vehicle information per your requirements. **If your vehicle is already set up, proceed to STEP 25.**

Vehicle Profile

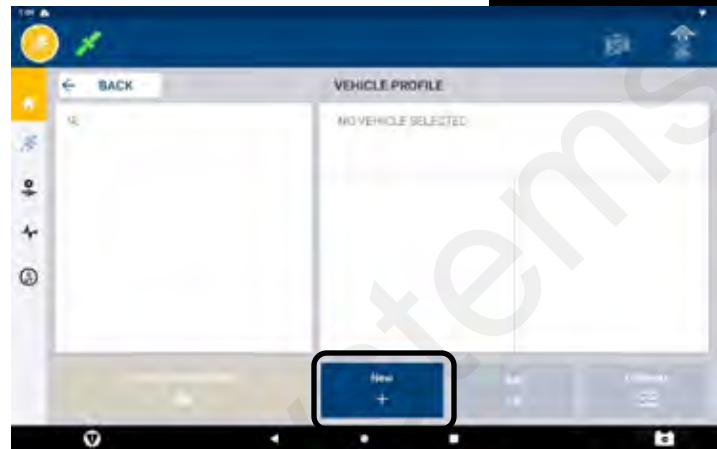


STEP 15

Press Vehicle Profile.



Vehicle Profile



STEP 16

Press New +.

Vehicle Profile



STEP 17

Select the vehicle to be set up.

Vehicle Profile



STEP 18

Press the forward arrow.

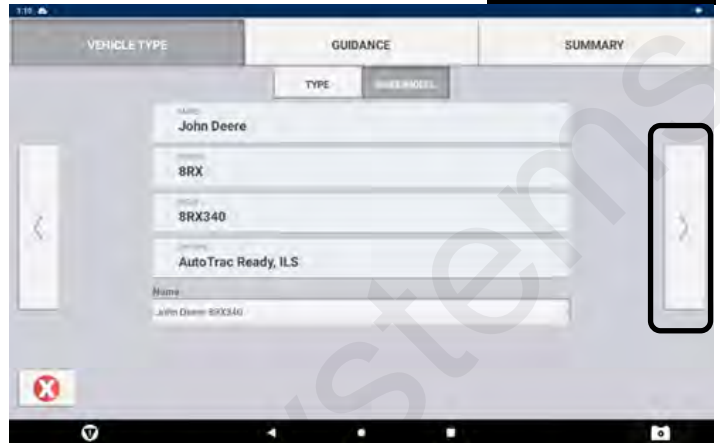
Vehicle Profile



STEP 19

Fill in all information according to your vehicle.

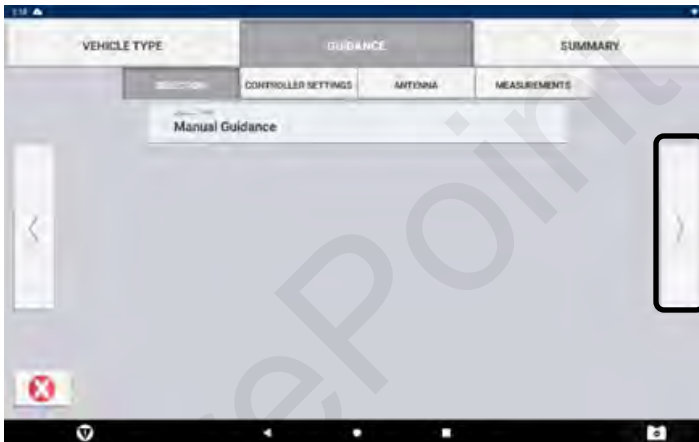
Vehicle Profile



STEP 20

After all information is entered, press the forward arrow.

Vehicle Profile




STEP 21

Fill in all information. Press the forward arrow to advance to the next section. Follow all directions. Use a tape measure to ensure accuracy. Press the forward arrow to continue.

Vehicle Profile



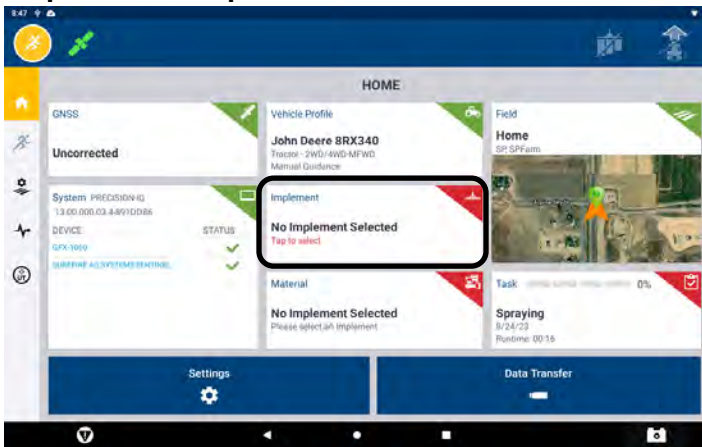
STEP 22

Ensure all of the information on this page is correctly corresponding to your tractor. Press the circle  to select that vehicle profile.

Press the BACK button to return to the main screen.

D Implement Setup

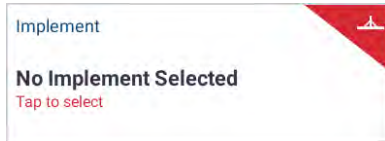
Implement setup



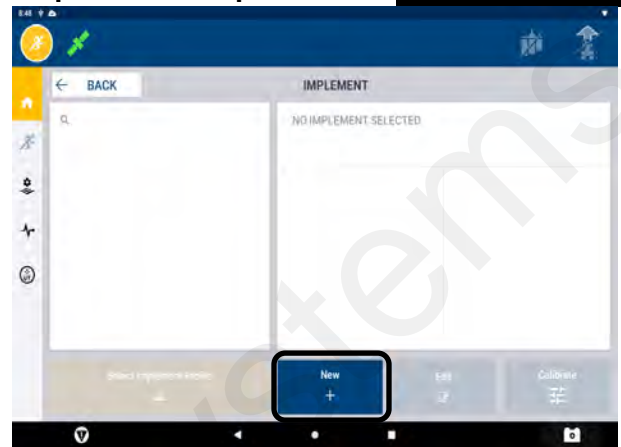
STEP 1

The Implement and ISOBUS (Sentinel) controller will need to be setup next.

Select Tab



Implement setup



STEP 2

A new Implement setup will be required.

Press  to begin.

Implement setup



STEP 3

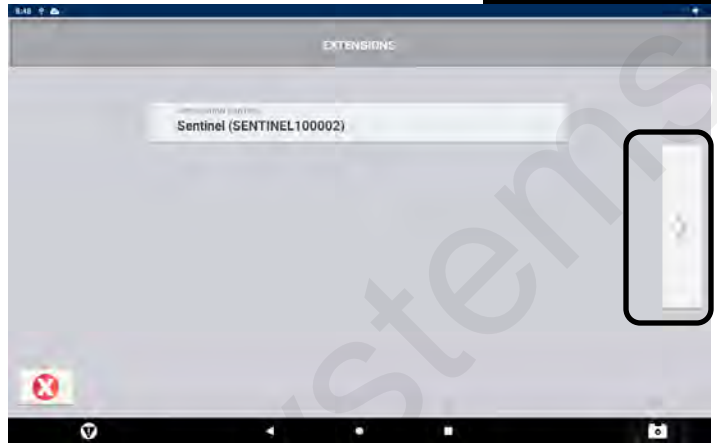
Application Control will need to be defined.




Press

Select Sentinel from the drop-down menu.

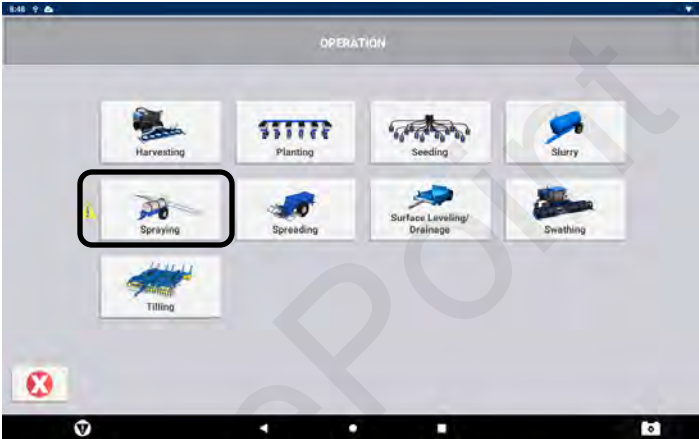
Implement setup



STEP 4

Select  to advance to the next screen.

Implement setup



STEP 5

For liquid applications, a Spraying system will need to be configured.



Select



Select  to advance to the next screen.

Implement setup



STEP 6

For most Liquid Applications using our Sentinel controller, a Pull Type Sprayer will be selected



Select  to advance to the next screen.

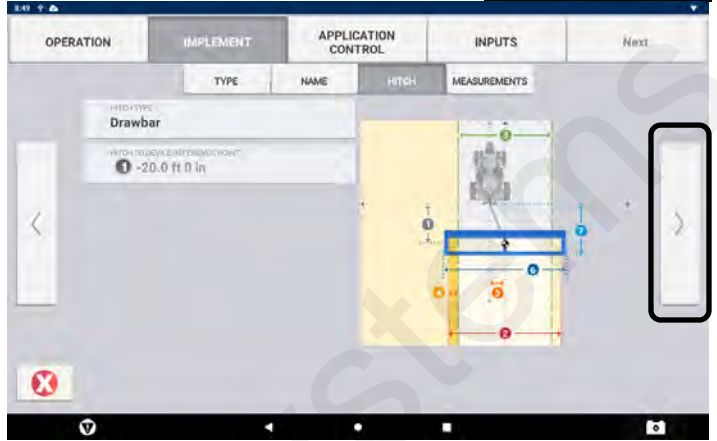
D Implement Setup

Implement setup



STEP 7

Implement setup



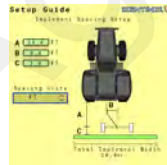
STEP 8

A tape measure will be required to enter the following information correctly. These measurements should coincide with the measurements entered when setting up the Sentinel controller previously done.

Choose the Hitch Type from the drop-down menu.



This measurement cannot be changed on this screen. This has been setup in the Sentinel controller and populated here.



Select > to advance to the next screen, Implement setup.


Implement setup



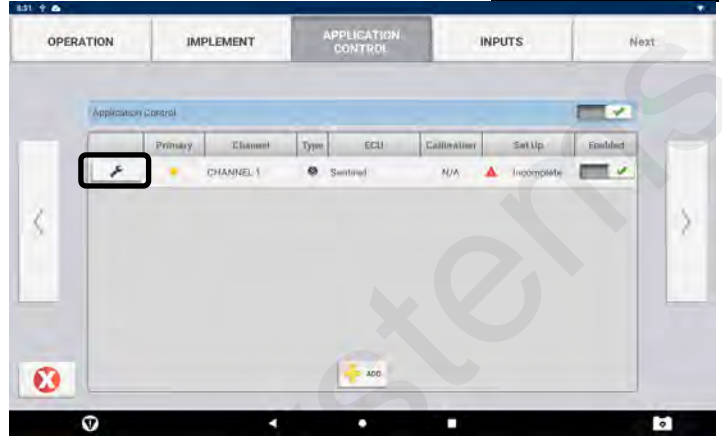
STEP 9

Implement setup.

Use a Tape Measure and fill in the blanks. These measurements are critical for Task Control operations.

Select  to advance to the next screen

Implement setup



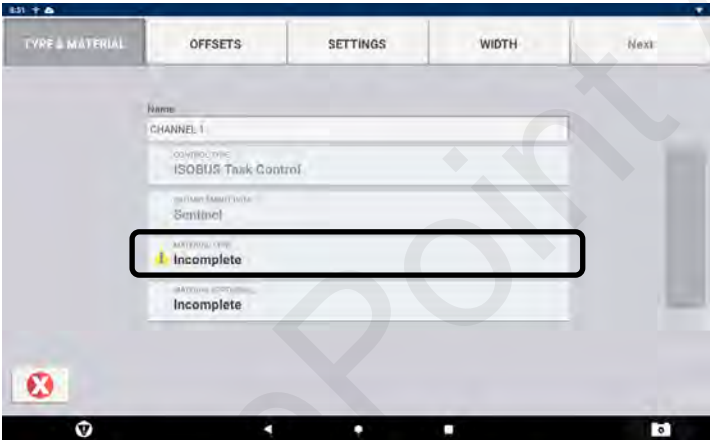
STEP 10

Application Control.

The Sentinel ISOBUS controller will now need to be configured correctly.

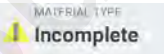
Press  .
Then Press  .

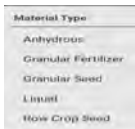
Implement setup



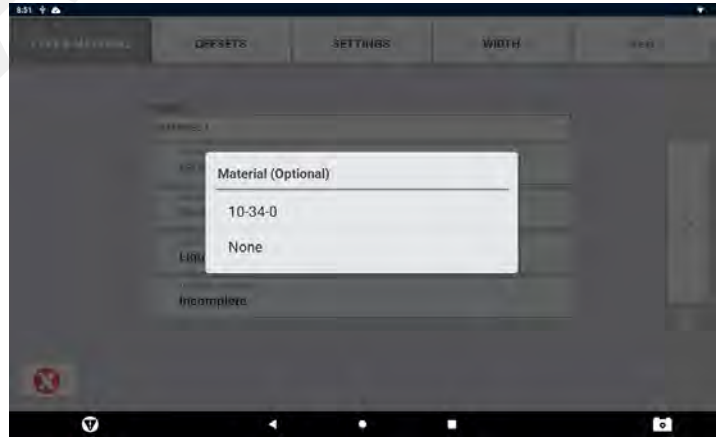
STEP 11

Control Type and ISO Implement Data is pre-populated and cannot be changed. Material Type and Material will need to be completed.

Press  .
Select the correct Material (Product) Type from the drop-down menu.

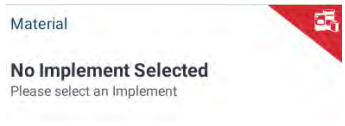


Implement setup



STEP 12


Material can be selected here if it has previously been setup. Material can be setup in the Home Screen Material setup Tab. This information will be used in Data Logging and Mapping functions.



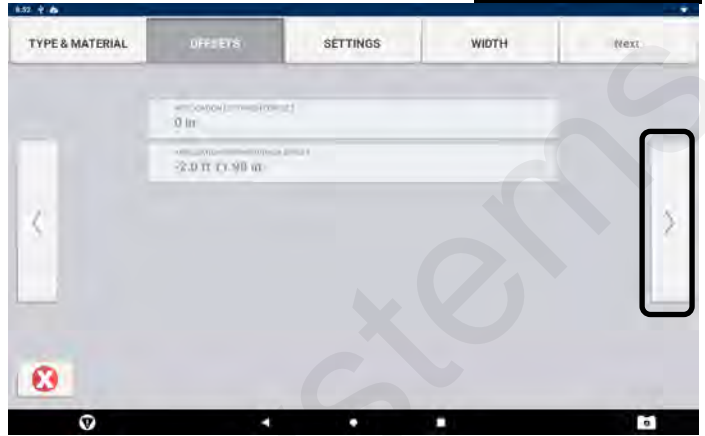
Implement setup



STEP 13


Select  to advance to the next screen.

Implement setup

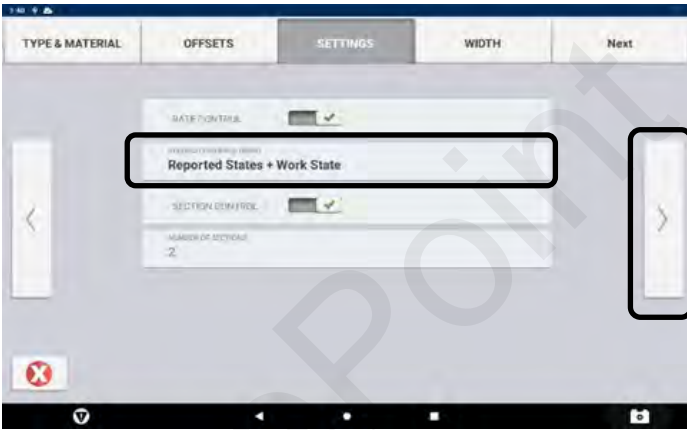


STEP 14

Application OFFSETS are pre-populated and cannot be changed here. These measurements were done in a previous screen.

Select  to advance to the next screen.

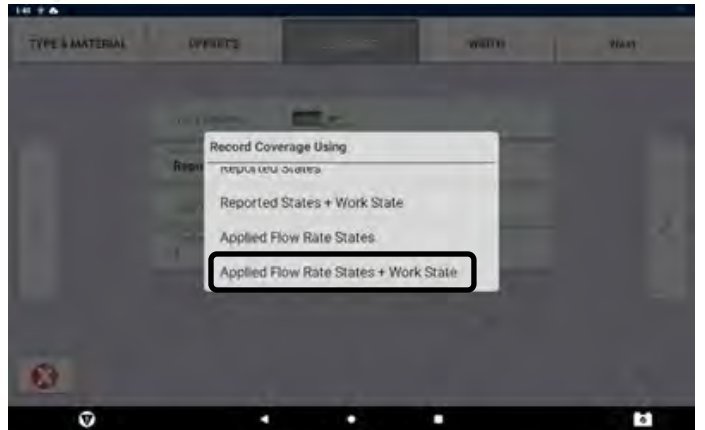
Implement setup



STEP 15

Press record coverage using.

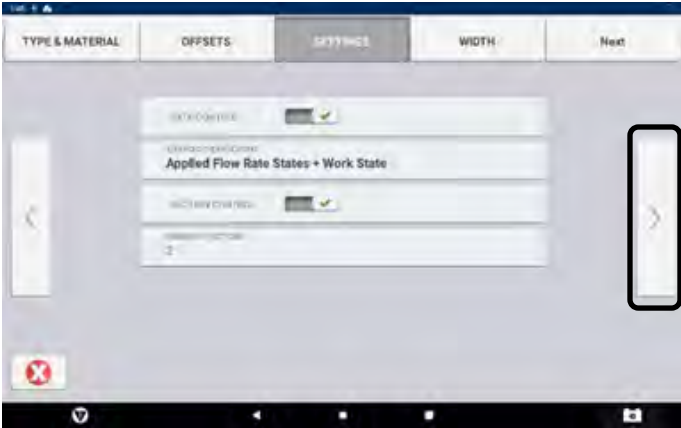
Implement setup



STEP 16

From the drop down menu, select Applied Flow Rate States + Work State.

Implement setup



STEP 17

Press the forward arrow to continue.

Implement setup

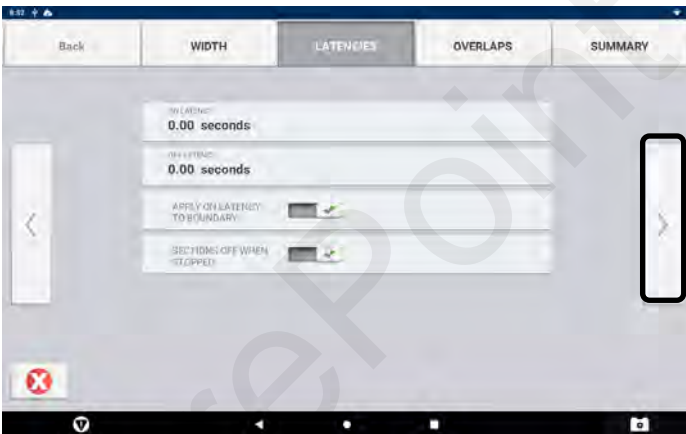


STEP 18

Sections are pre-populated and cannot be changed on this screen.

Select  to advance to the next screen.

Implement setup



STEP 19

LATENCIES are user defined. They may or may not be used. Refer to the Trimble Operations manual for complete details.

Select  to advance to the next screen.

Implement setup



STEP 20

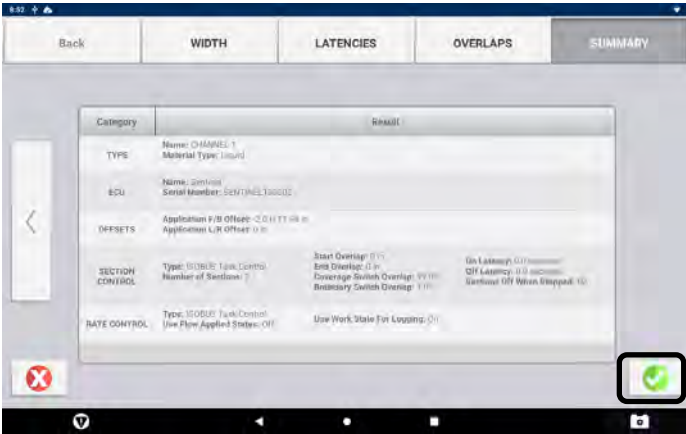
Overlap and Boundary settings are user defined. These settings can be setup and adjusted at a later time. Refer to the Trimble operations manual for complete details regarding setup and operations.

Select  to advance to the next screen.

D

Implement Setup

Implement setup

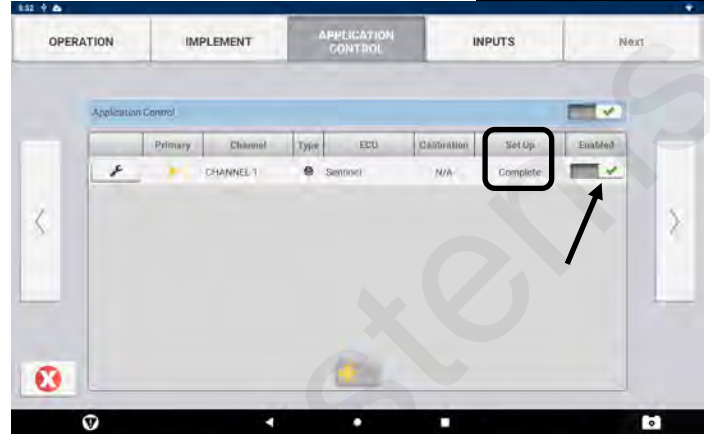


STEP 21

When implement setup is complete, the SUMMARY screen will show items that were entered. The back button can be used to edit any settings.



Press  to continue.


Implement setup



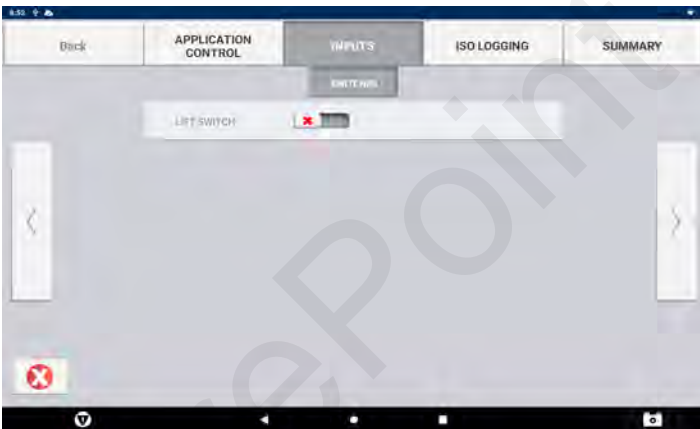
STEP 22

If the Sentinel controller is setup correctly, and is

complete  , use the slider to enable .


Select  to advance to the next screen.

Implement setup



STEP 23


For Sentinel operations, lift switches are not used here. Refer to the Trimble operations manual for complete instructions.


Select  to advance to the next screen, Implement setup.

Implement setup

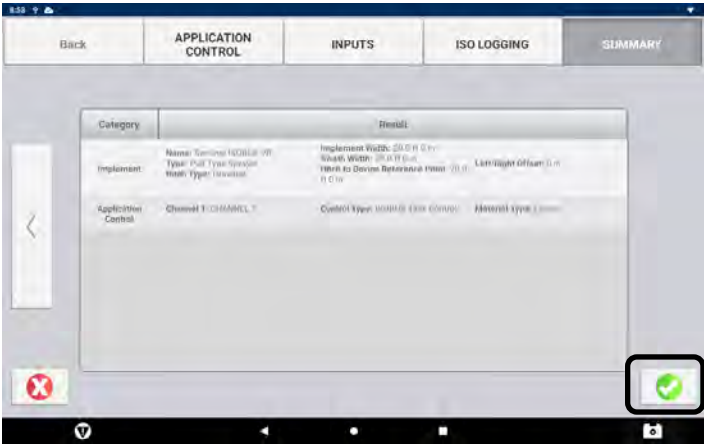


STEP 24

Use the slider bar  to enable ISO LOGGING for the Sentinel controller.

Select  to advance to the next screen.

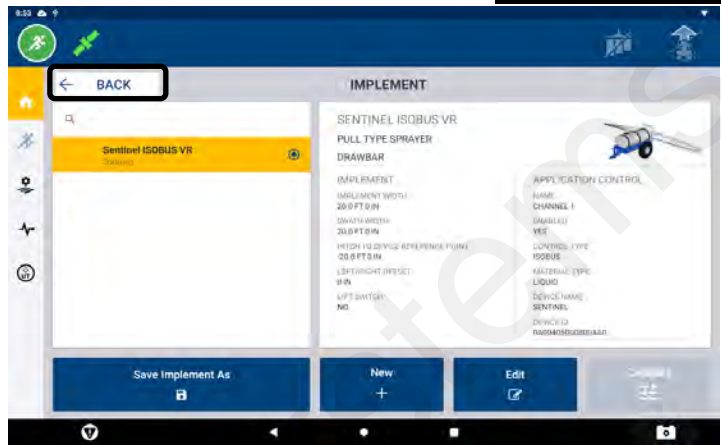
D Implement Setup



STEP 25

This is the completed SUMMARY screen.

Press the  to continue.



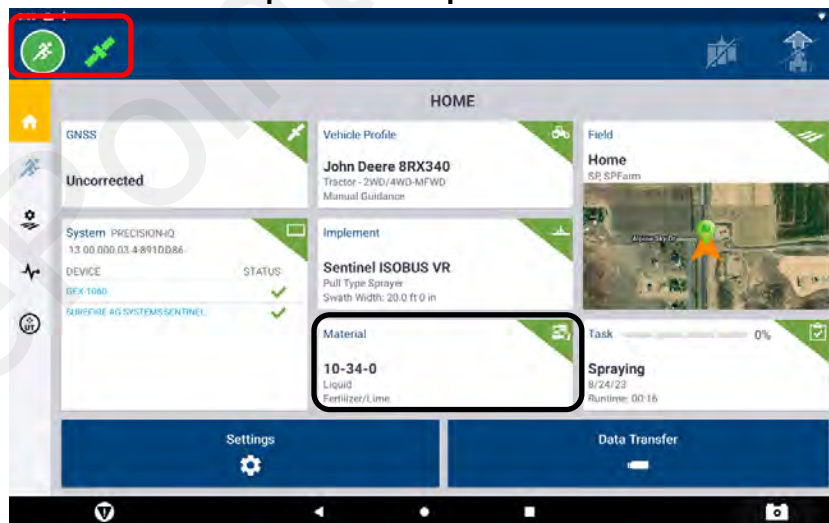
STEP 26

This screen shows the Implement that was just set-up. If the name of the Implement needs to be changed, use the Save Implement As tab to edit the name.

If all information is correct,

press  to continue.

Implement setup



STEP 27

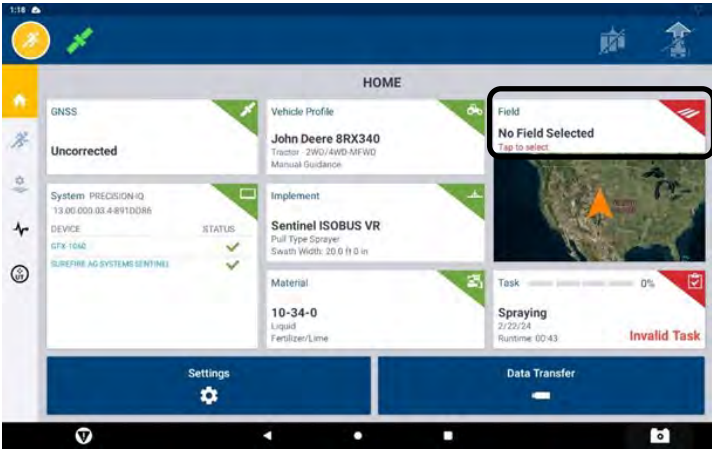
If the Material needs to be edited or a new Material needs to be created,

select 

Follow the step-by-step Material configuration process to edit or create a material.

D

Implement Setup



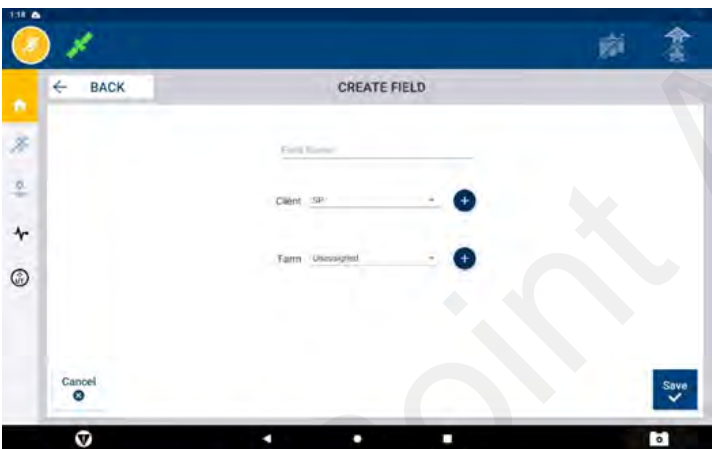
STEP 28

Configure Grower, Farm and Field. Press the Field Tab.



STEP 29

Press New +.



STEP 30

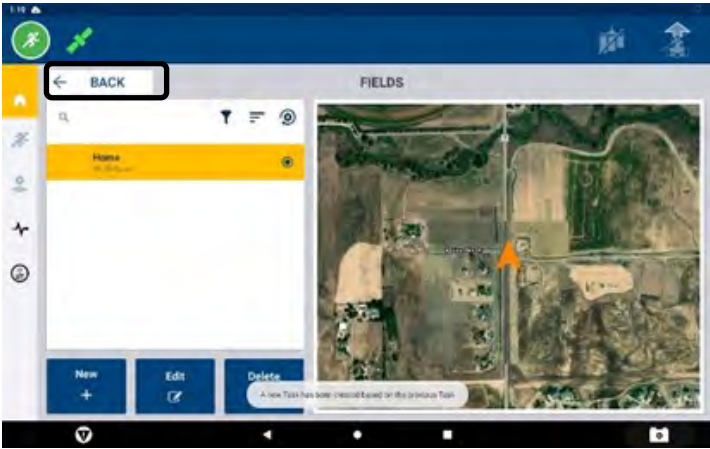
Enter your Field Name, Client, and Farm for your operation.



STEP 31

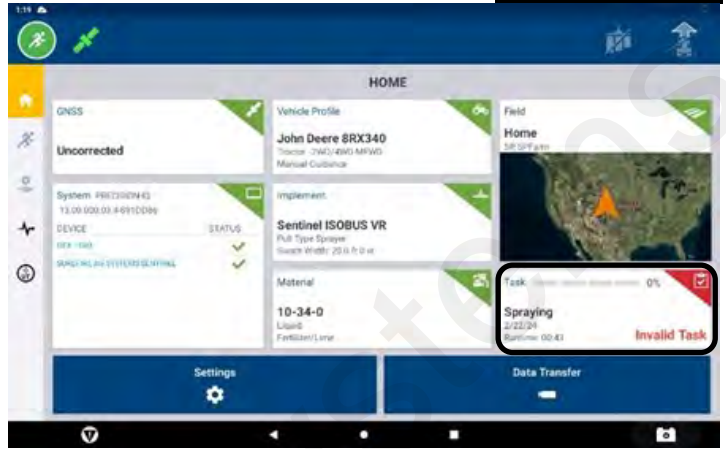
Press Save once you have your information entered.

D Implement Setup



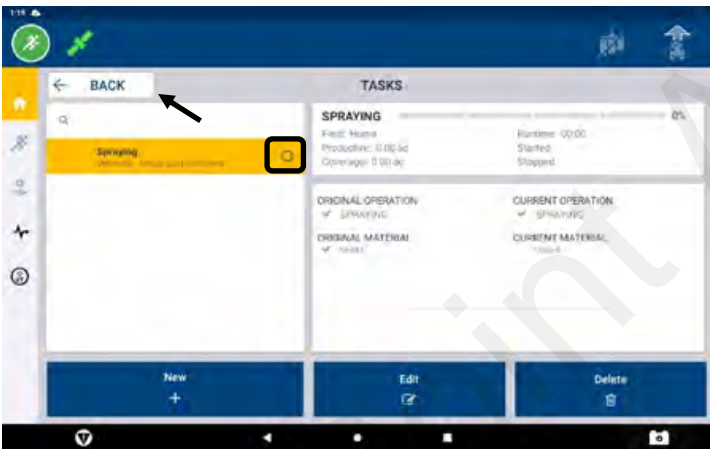
STEP 30

Confirm your selection and press BACK.



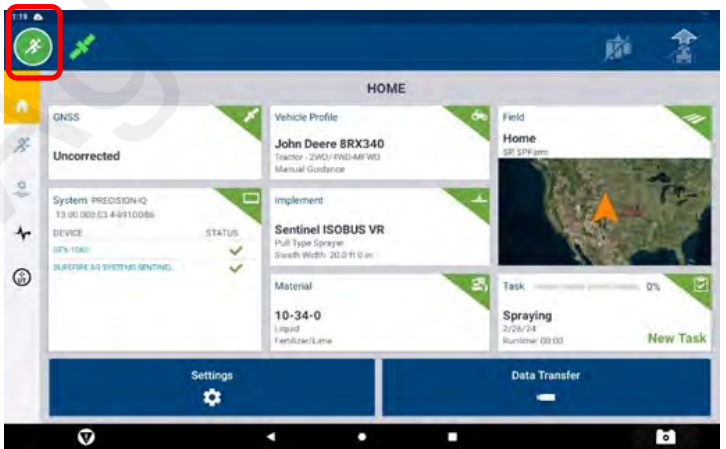
STEP 31

A task needs to be selected. Press the Task tab.



STEP 32

Make a new Task, or edit, as needed, for your operation. Select by pressing the circle, then the Back tab.

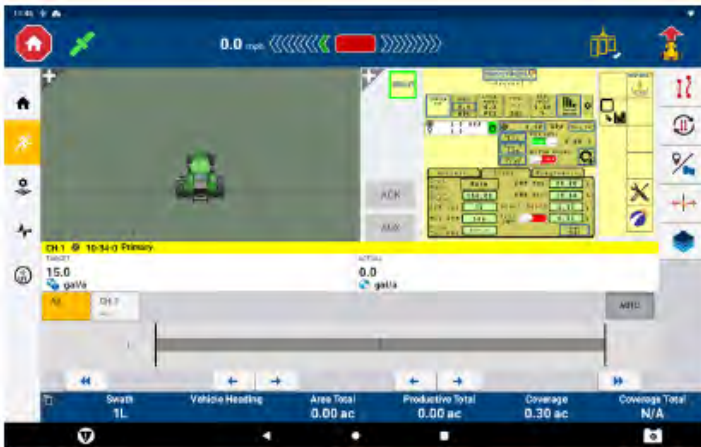


STEP 33

When all the tabs are green, setups are complete. Press the Running man  and begin operations.

D

Implement
Setup



STEP 32

If all information is correct, this run screen should populate.