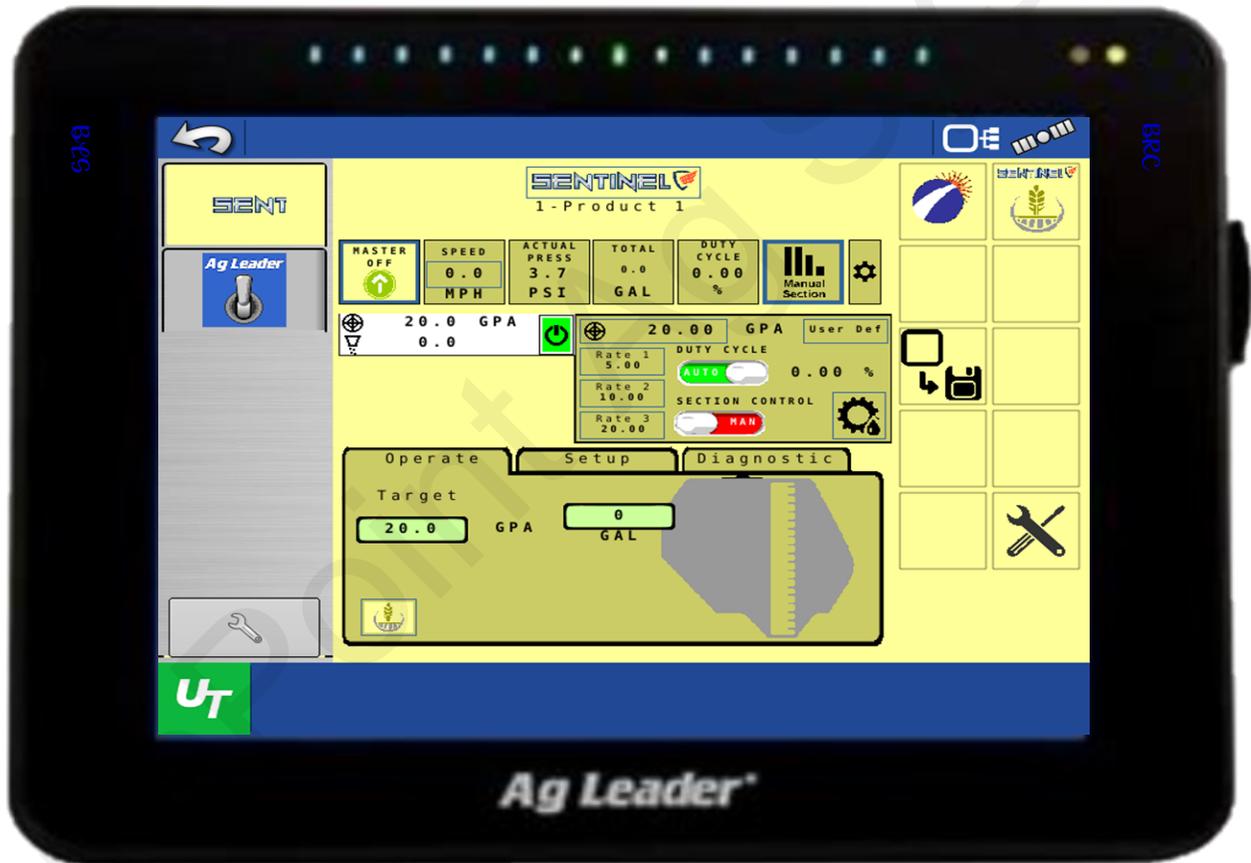


396-6562Y1



AgLeader InCommand 800 Sentinel Setup With Task Control



NOTICE

Operator should read this manual before operating the system.



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Software & Un-
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C

AgLeader
L2 Controller

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D

AgLeader ISO
Controller

General Description

Setup of the AgLeader InCommand 800 display.

These items **must be** done in the correct order. If not, the display will not program or function properly.

Check for Task Control unlock.

Check for Mult-Product unlock if using more than one product.

Turn VT and Task Control on.

Program Sentinel controller: Perform setups per **396-4035Y1 manual**.

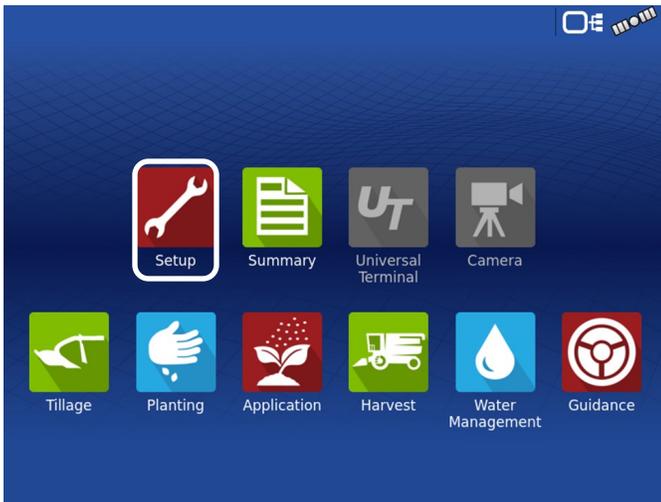
Set Sentinel for RX to operate correctly in Application screen.

Perform all Setup steps.

Perform all Application steps.

Verify.

Check for Task control Unlock



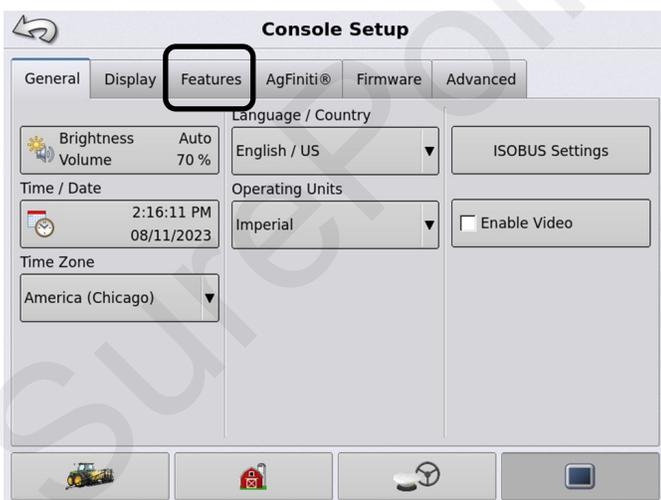
STEP 1

Press the  tab.

Note – the  is greyed out.

This is an indication that the UT has not been Enabled.

Console Setup



STEP 3

Press the  tab.

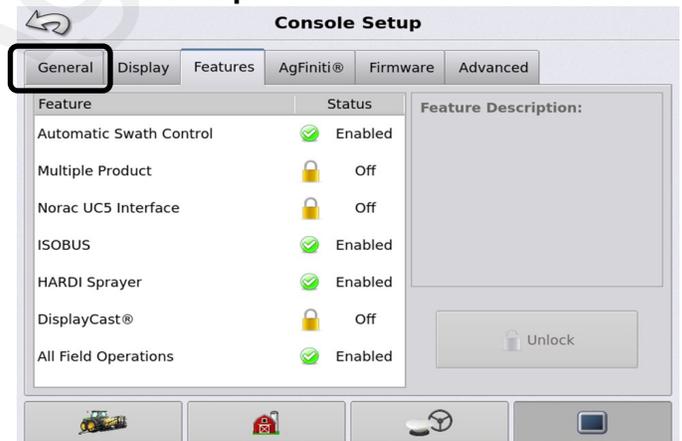
Configuration Setup Screen



STEP 2

Press the  tab.

Console Setup

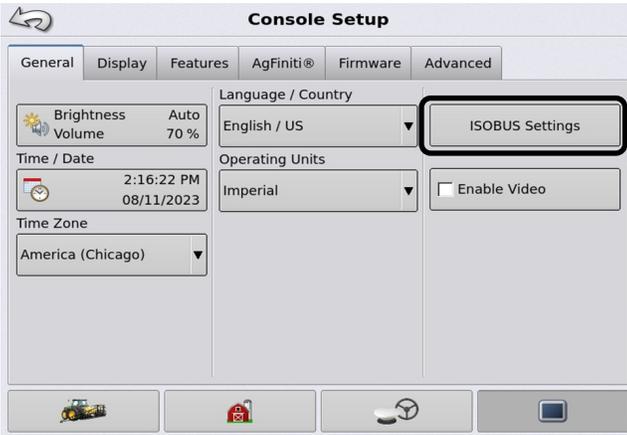


STEP 4

Ensure ISOBUS is Enabled.
Ensure Automatic Swath Control is Enabled.
If using more than one product, ensure Multiple Product is Enabled.
If these are not Enabled, contact your Ag Leader dealer and purchase the unlocks. These unlocks are **NOT** free and must be purchased and installed by your dealer.

Press the  tab.

Console Setup+



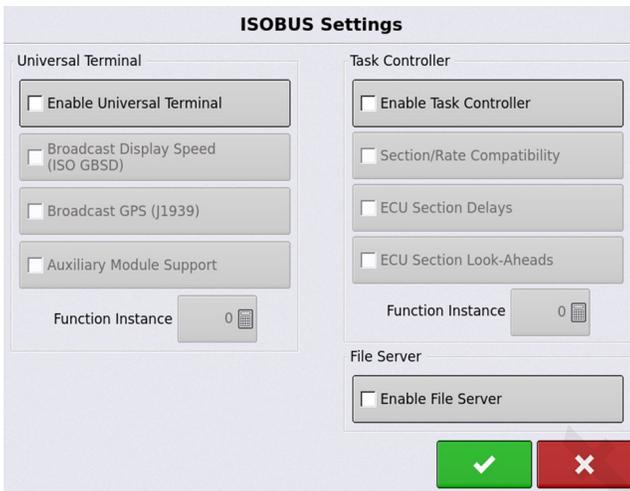
STEP 5

ISOBUS Settings

Press the



ISOBUS Settings



STEP 6

For Sentinel to function correctly check the appropriate boxes.

Enable Universal Terminal: This will allow the UT Screen to be visible.

Broadcast Display Speed: This will allow speed to be transmitter back to the Sentinel Controller.

Broadcast GPS: This will allow for the Sentinel to recognize GPS information.

Enable Task Controller: This will allow the Sentinel to communicate section control and rate control functions back to the display.

See below for explanation of each function copied from the AgLeader operation manual.

Broadcast Display Speed (ISO GBSD): Checking this box allows speed source currently being utilized by the display to be broadcast over the ISOBUS to the implement ECU.

Broadcast GPS (J1939): Checking this box allows GPS data being supplied by the GPS receiver to be broadcast over the ISOBUS to the implement ECU.

Auxiliary Module Support: Checking this box allows the AgLeader Auxiliary Input Module or Smart Switchbox, to be used with ISOBUS ECUs that support AUX-N auxiliary functions.

Universal Terminal Functional Instance: Always set to 0 except when there are multiple UTs on the ISOBUS.

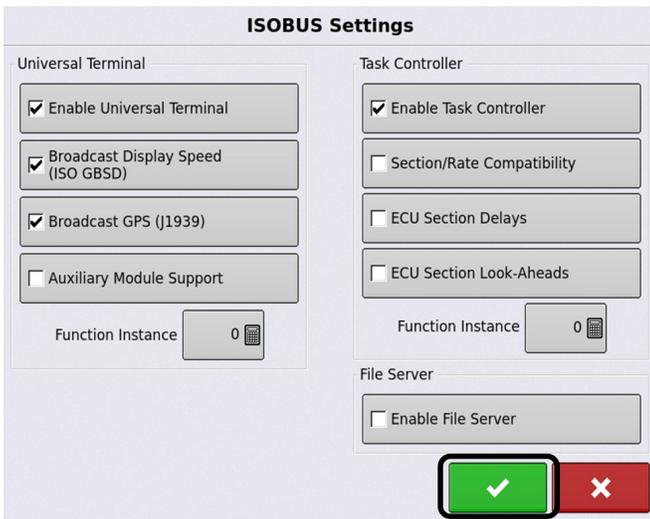
Section/Rate Compatibility: This setting determines how often the Display target rate message is sent to the ISOBUS ECU.

- When unchecked, the target rate message is only sent when it is changed on the display.
- When checked, the target rate message is sent at regular intervals. This is a non-standard ISOBUS setting. Leave this setting off unless ISOBUS ECU has an issue with the target rate resetting to zero on its own.

ECU Section Delays: Determines the manner in which mapping delays are handled with ISOBUS ECUs.

- When checked (default), mapping delays are determined by ISOBUS ECU and the “look-ahead” interval stored in the AgLeader display. Leave this checked when using DirectCommand Gen2 ISO Liquid.
- When unchecked, mapping delays are determined by the “look-ahead” interval stored in the AgLeader display.

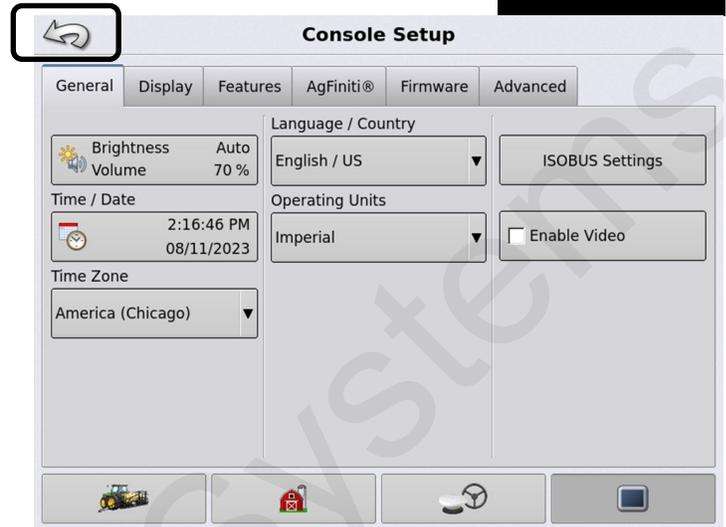
ISOBUS Settings



STEP 7

Press the  to accept changes and proceed forward.

Console Setup



STEP 8

Press the  to return the main Home Screen.

Home



STEP 9

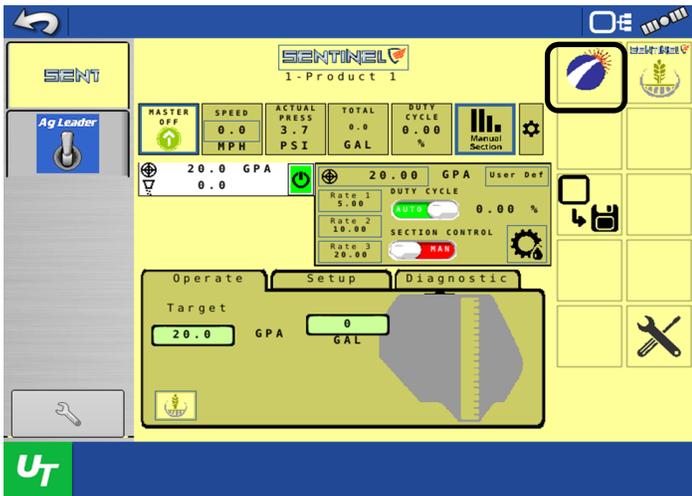
Press  tab.

NOTE – After Enabling the UT, the  **is now blue**. The UT can now be viewed and programmed.

SurePoint Ag Systems



UT Sentinel Screen

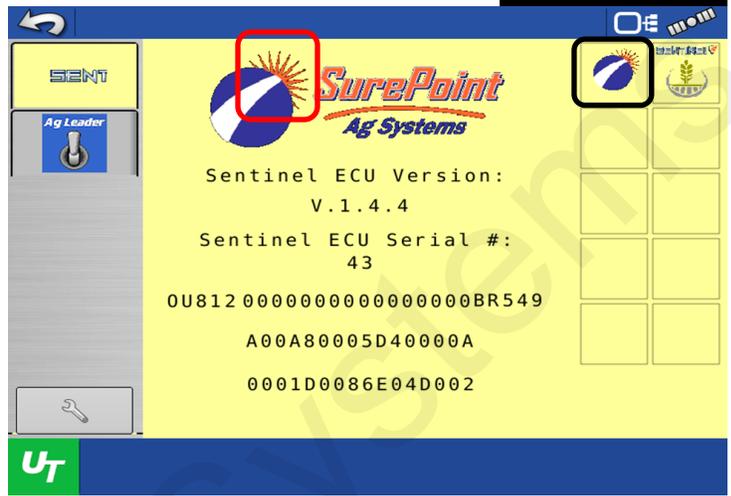


STEP 1

Locate the Starburst and select



Sentinel ECU Version



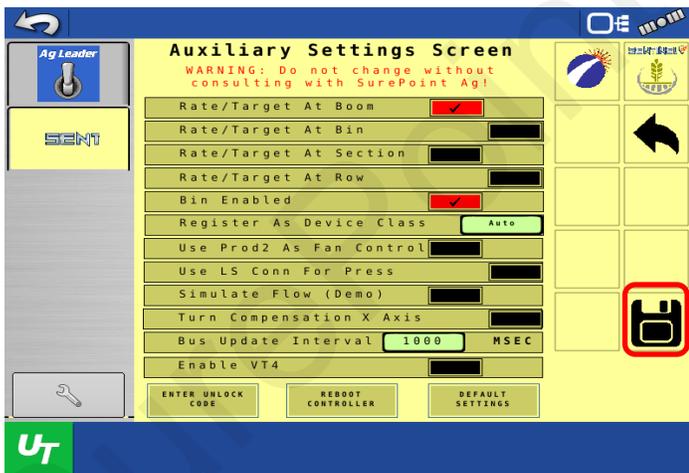
STEP 2

This screen shows the Sentinel ECU Software Version.

There is a hidden auxiliary screen function on this page.

Press the top right of the Starburst Logo to gain Access to the hidden Auxiliary screen.

Auxiliary Screen



STEP 3

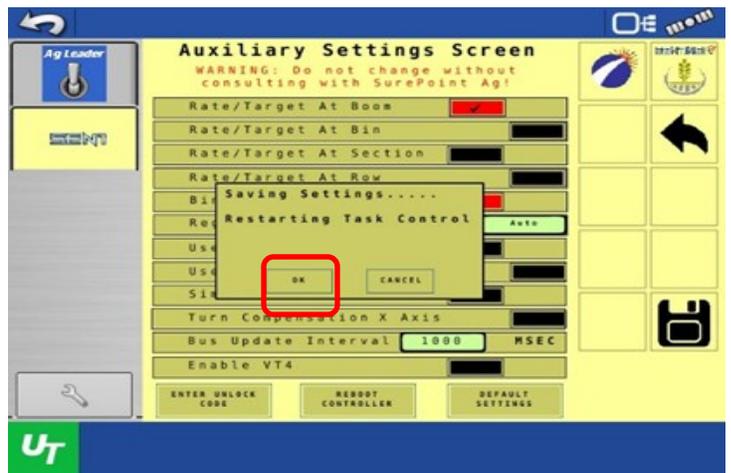
For the AgLeader InCommand 800 display to work correctly with the Sentinel controller, select all as indicated in this screenshot.

Select



to save settings to Task Control.

Auxiliary Screen



STEP 4

Press OK to reset the Sentinel Controller. The Controller will reboot

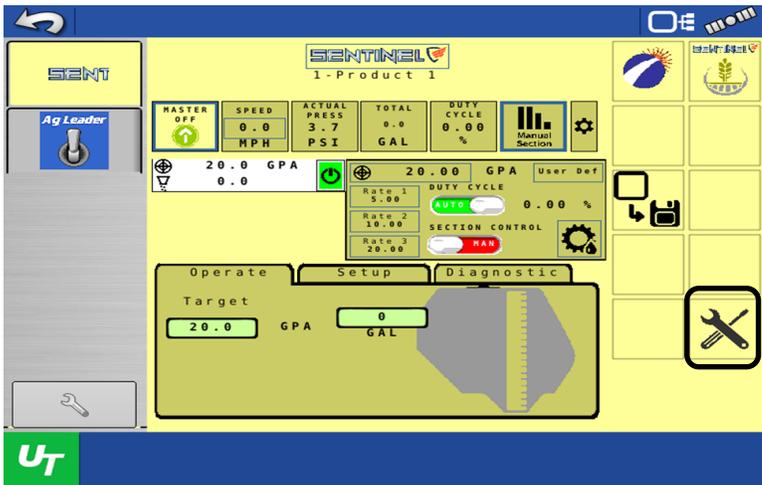
Set Up Sentinel Before Proceeding

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.

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



Sentinel Run



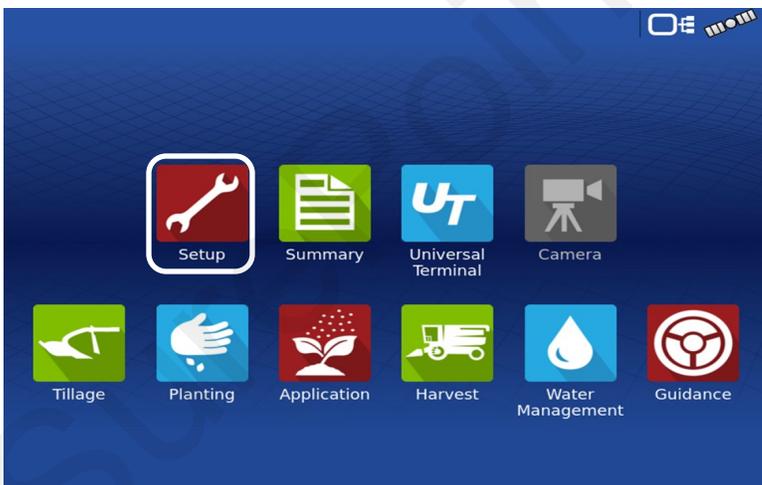
STEP 5

Refer to the **396-4035Y1** Sentinel user's manual to correctly setup the Sentinel for your application needs.

Press the  tab to access the Installation Wizard for the Sentinel Controller. Follow all instructions, use a tape measure to get correct measurements of your implement and tractor. These measurements will be the same for the display setup on the forthcoming pages.

Use the 396-4035Y1 manual.

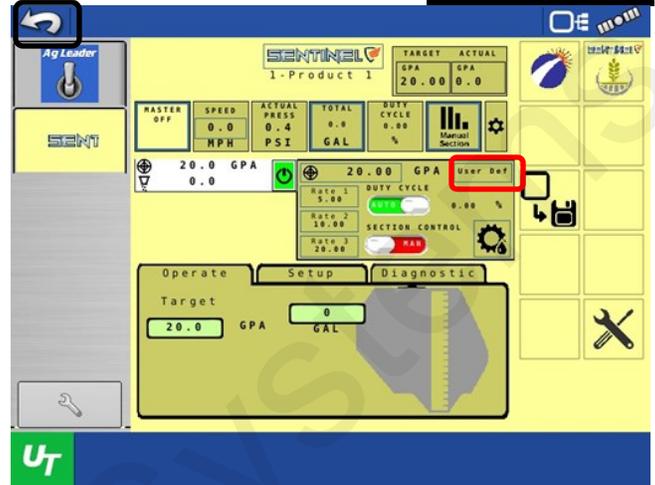
Home



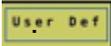
STEP 7

Press the  Tab.

Sentinel Run



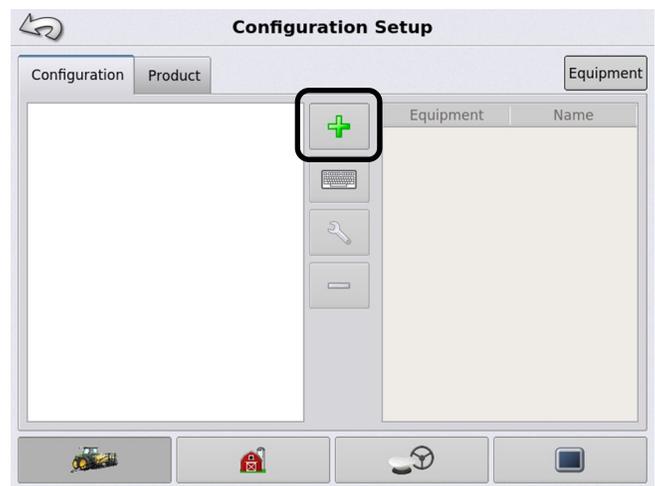
STEP 6

Change User Def to RX 

Press the return arrow to go back to the home screen. 

Do Not proceed until the Sentinel Controller is configured correctly.

Configuration Setup

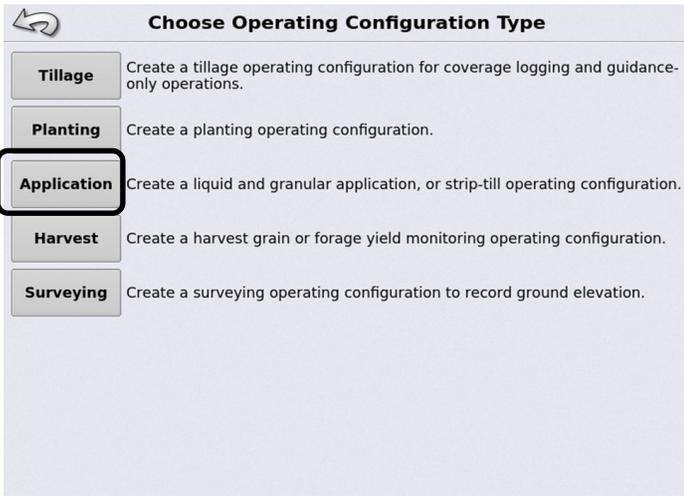


STEP 8

There may or may not be information on this screen. The following steps are setting up a new tractor, implement and controller. Some steps may be bypassed due to your current setup.

Press the  tab to get started.

Chose Operating Configuration



STEP 9

The Sentinel will need to be setup for Application control.

Press  to continue.

Operating Configuration: Vehicle

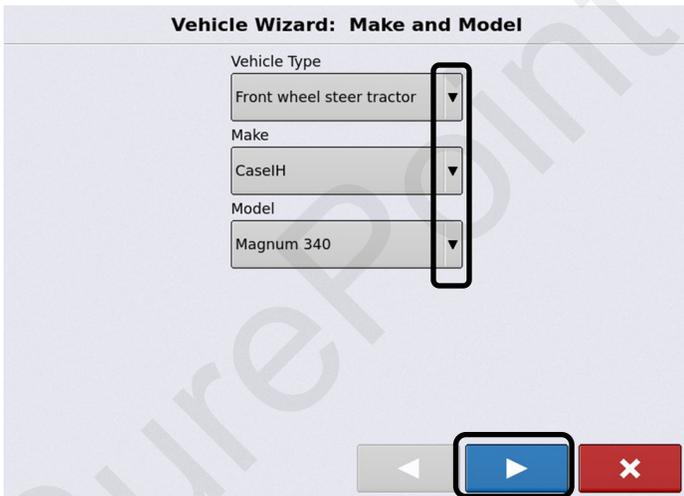


STEP 10

If your tractor is listed in the drop-down menu, select it.

Press  to setup a new tractor.

Vehicle Wizard: Make and Model



STEP 11

From the drop-down menus, select your tractor profile.

When completed, press  to continue.

Vehicle Wizard: Attachment



STEP 12

Using a tape measure, check mark the attachments that your tractor has and fill out the measurements.

Press  to continue.

Vehicle Wizard: Antenna Offsets



STEP 13

Using a tape measure, verify all measurements and adjust accordingly. These measurements must be accurate for mapping, Task Control operation and data acquisition.

Press  to continue.

Operating Configuration: Vehicle



STEP 14

Confirmation page: Should show the tractor that was setup.

Press  to continue.

Operating Configuration: Implement



STEP 15

If your implement is already setup, select it in the drop-down menu. To setup a new implement:

Press  tab to proceed.

Implement Wizard: Make and Model



STEP 16

Enter **Make** and **Model** of your new implement.

Press  to proceed.

Implement Wizard: Make and Model

STEP 17

Confirmation page

Press  to proceed.

Implement Wizard: Attachment Type

STEP 18

From the drop-down menu, select the attachment type that fits the profile of your implement.

Press  to proceed.

Implement Wizard: Application Channels

STEP 19

The Application controller (Sentinel) will need to be installed and setup.

Select  to proceed.

Equipment Setup Wizard: Rate Controller

STEP 20

The Sentinel Rate Controller will need to be setup.

Press  to proceed.

Controller Setup Wizard: Device

Controller Setup Wizard: Device

Select Controller or Flow Meter

Device

DirectCommand@

Direct Type

DirectCommand@ L2

NH3 Application

STEP 21

The correct Device will need to setup for Sentinel.

Press the drop-down arrow to continue.

Press the drop-down arrow to enter in the Make.

Controller Setup Wizard: Device

Controller Setup Wizard: Device

Select Controller or Flow Meter

Device

ISOBUS

STEP 22

From the drop down menu, select

Press  to proceed.

Controller Setup Wizard: Make and Model

Controller Setup Wizard: Make and Model

Select Controller Make and Model

Make

Ag Leader

Model

ISO Liquid Control

Supports Rate Control

STEP 23

Make and Model of the Sentinel Controller will need to be setup.

Press the drop-down arrow to enter in the Make.

Controller Setup Wizard: Make and Model

Controller Setup Wizard: Make and Model

Select Controller Make and Model

Make

Generic

Supports Rate Control

STEP 24

From the drop down menu, Select

Check mark **Supports Rate Control**.

Press  to proceed.

Controller Setup Wizard: Controller Name

STEP 25

Using the keyboard function, the controller name can be changed from **Generic to Sentinel**. Press  to proceed.

Equipment Setup Wizard: Application Channels

STEP 27

The number of Application Channels will need to be set. This is the number of product tanks & products that will be used.

Select and Press  to proceed.

Equipment Setup Wizard: Rate Controller

STEP 26

Ensure the Sentinel Rate controller is selected. Press  to proceed.

Equipment Setup Wizard: Container

STEP 28

Edit the name of the container being used, enter the capacity of the container, and select units. You cannot proceed until all selections are made.

Equipment Setup Wizard: Container

Equipment Setup Wizard: Container

Container Name: Main Tank Capacity: 1000 Units: gallons

STEP 29

Press  to proceed.

Equipment Setup Wizard: Sections

Equipment Setup Wizard: Sections

Enter Number of Boom Sections: 2

TIP: DO NOT enter the number of individual rows. For most implements, enter the number of swath sections that can be independently turned on and off.

STEP 30

Select the number of boom sections being used. This must match settings previously setup for the Sentinel UT controller.

Press  to proceed.

Equipment Setup Wizard: Swath

Equipment Setup Wizard: Swath Width

Enter Full Swath Width: 20 ft

TIP: For tillage implements, enter the working swath width (actual implement width minus the typical overlap). This results in a more accurate area calculation.

STEP 31

Enter the correct Swath Width for the implement being used. This must match the settings previously setup for the Sentinel controller.

Press  to proceed.

Equipment Setup Wizard: Section Configuration

Equipment Setup Wizard: Section Configuration

Enter Boom Section Widths from Left to Right

Section	Swath Width (ft)
1	10.0000
2	10.0000

TIP: The implement is divided into equal section sizes by default. To modify the sections, press the keypad button for each section that needs to be changed.

STEP 32

Confirm Section Width, adjust if needed. This must match the setup previously performed in the Sentinel configuration.

Press  to proceed.

Equipment Setup Wizard: Application Point Offset

Equipment Setup Wizard: Application Point Offset

Enter Distance from Hitch to Application Point (front to back)

12 ft

Navigation: [Back] [Confirm] [Cancel]

STEP 33

Using a tape measure, enter the appropriate information. This must match settings previously setup in the Sentinel controller.

Press  to continue.

Implement Wizard: Application Channels

Implement Wizard: Application Channels

Device	Sentinel
Application	Liquid
Swath Width (ft)	20
Number of Sections	2
Capacity (gallons)	1000

Buttons: + Liquid Application, + Direct Injection, + Granular Application, Edit Container, Remove

Navigation: [Back] [Next] [Cancel]

STEP 34

This is the confirmation page. This should show the liquid rate controller and settings that were just setup.

Press  to proceed.

Implement Wizard: Hitch Point Configuration

Implement Wizard: Hitch Point Configuration

Enter Hitch Point Information

Implement Provides a Rear Hitch

Enter Left or Right Distance: 0 ft to the left

Enter Forward or Backward Distance: 0 ft

Enter the left or right offset and the forward or backward distance from the point the implement connects to a vehicle to the implement's hitch point.

Navigation: [Back] [Next] [Cancel]

STEP 35

Fill out this information.

Press  to proceed.

Implement Wizard: Implement Name

Implement Wizard: Implement Name

Enter Implement Name

Case 1255

Navigation: [Back] [Confirm] [Cancel]

STEP 36

Confirmation page.

Press  to proceed.

Operating Configuration: Implement

STEP 37

Confirmation page.
Press  to proceed.

Operating Configuration: Speed Source

STEP 38

From the drop-down menus, select the correct speed source.
Press  to proceed.

Configuration Setup

STEP 39

This confirms the information setup in the Wizard that was just performed. Items can be edited from this screen.
Press  to proceed.

Configuration Setup

STEP 40

To add or select a Product, press the  tab.
To check, add, or change any equipment, press  tab.
Equipment and controllers are now setup.
Press  to return to the Home setup screen.

Home screen



STEP 41

Press  tab to proceed.

Operation Configuration Selection



STEP 42

Vehicle, Implement, and Controller confirmation.
Press  to proceed.

Management Selection



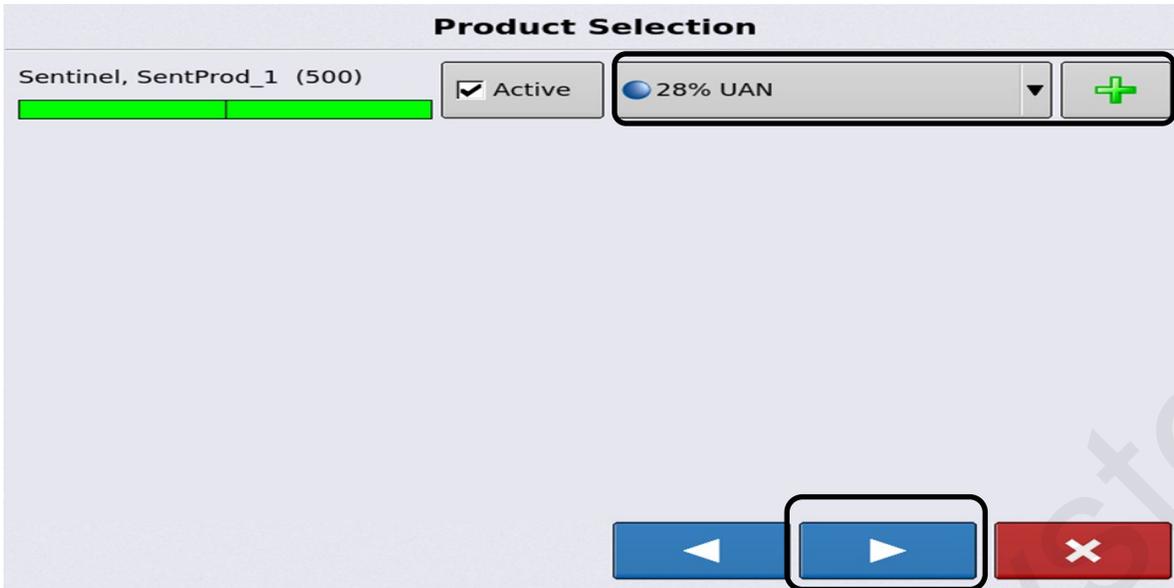
STEP 43

Enter all information as needed.
Press  to proceed.

Product Selection

B

Sentinel Setup

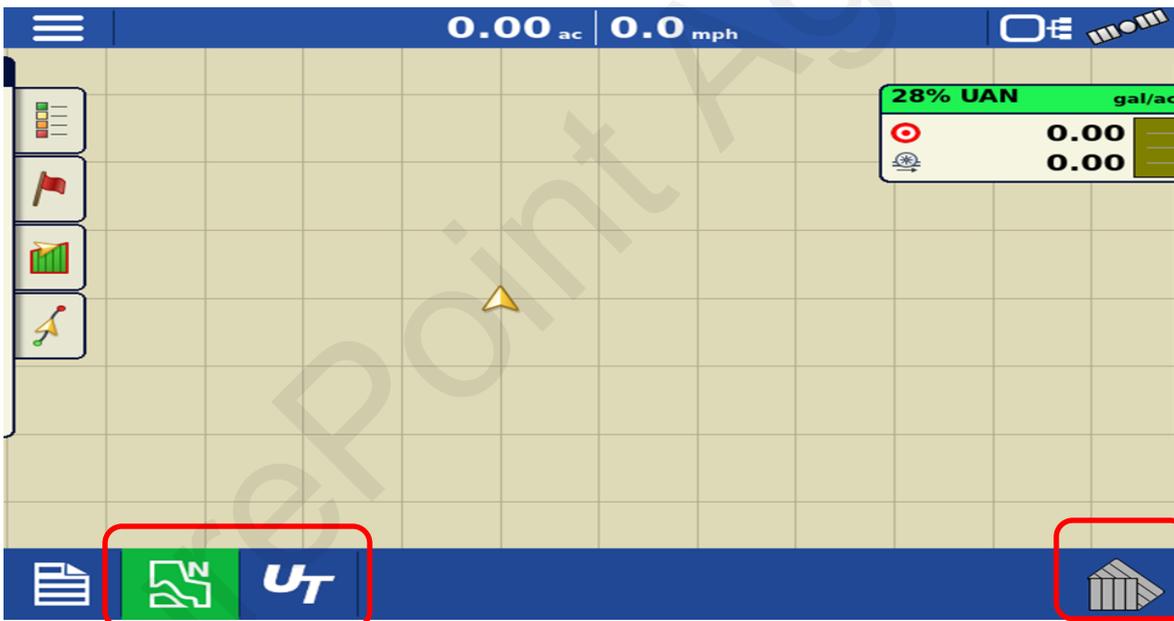


STEP 44

This page shows the Sentinel Controller with two sections. From the drop-down menu select the product type or enter a new product.

Press  to proceed.

Application Run Screen



STEP

45

Refer to your AgLeader Operator's manual. Select and Setup Target Rate as needed.

Begin applying Liquid via Sentinel. **Sentinel** can be viewed in the UT screen .

Application and mapping can be viewed in this screen . **Section control** can be switched

using .

SurePoint Ag Systems



AgLeader InCommand 800 L2 Controller



General Description

This can be configured for Flow-based or Pressure-based control.
Each swath module can support up to 12 sections, with the capability of three swath modules for a total of 36 sections.
L2 configurations support up to 144 nozzles.
Polarity reversing valves are limited to 18 sections as they use multiple signal pins from the swath module.

Basic setup needed for controller to function properly

- Grower, Farm, Field
- Display/Console
- GPS/Guidance
- Configuration
- Application
- Rate
- Manual Speed

Grower, Farm, Field

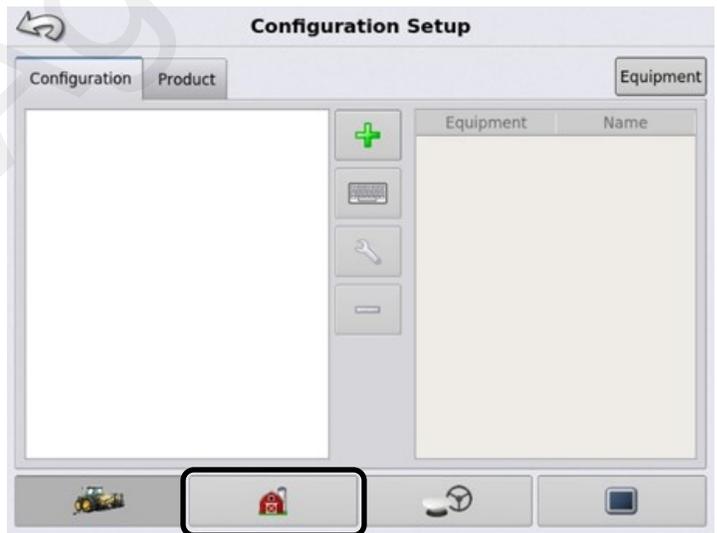


STEP 1

Power on the display and the Home Screen should be showing.

Select Setup .

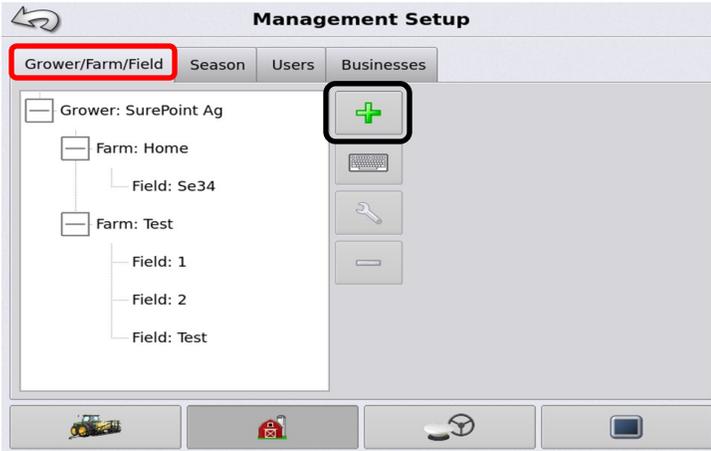
Grower, Farm, Field



STEP 2

Select .

Select Grower, Farm, Field

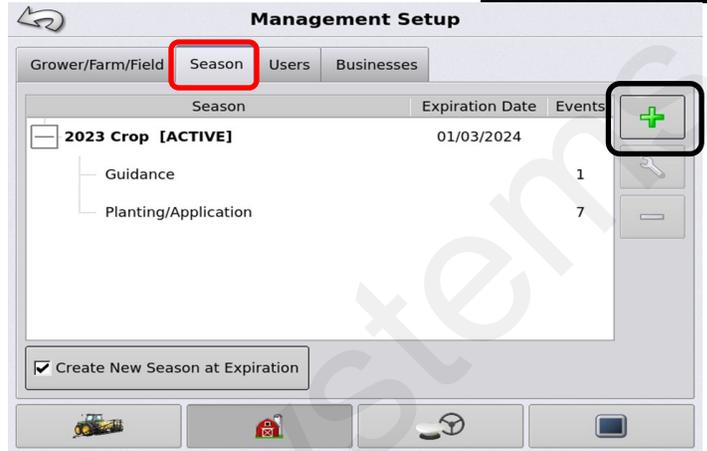


STEP 3

Enter Grower, Farm, and Field information.

Use the  to add or edit information.

Select Season

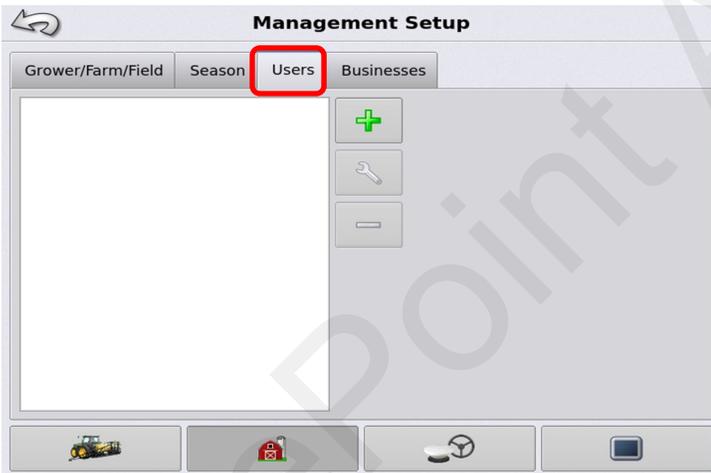


STEP 4

Edit this information for your annual farming

operation. This can be done by using the .

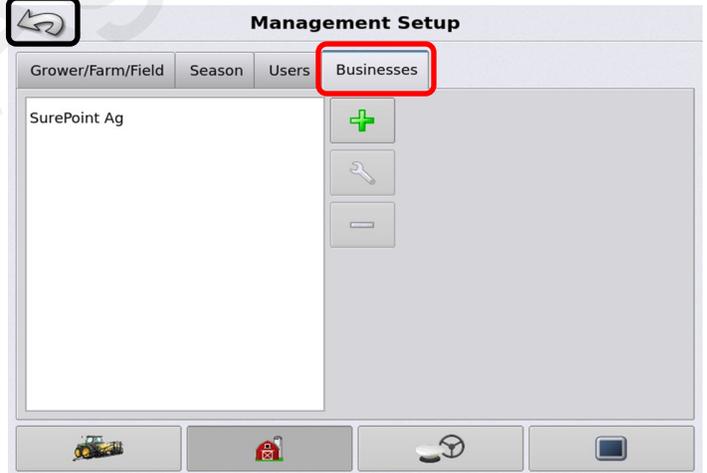
Select Users



STEP 5

Enter the **Operators/Users** that will be operating your equipment. This is for data management only.

Select Businesses



STEP 6

Enter **Business** information, as needed. This is for data management only.

Press the  to return to the home screen.

The Display / Console will need to be setup correctly.

This page will appear first.



STEP 7

Press **Setup** to begin .

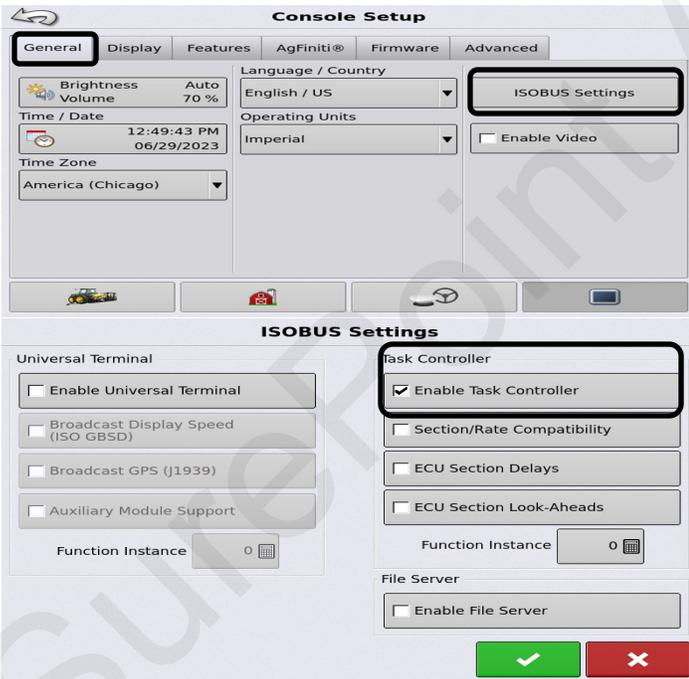


STEP 8

Select the **Display** icon .

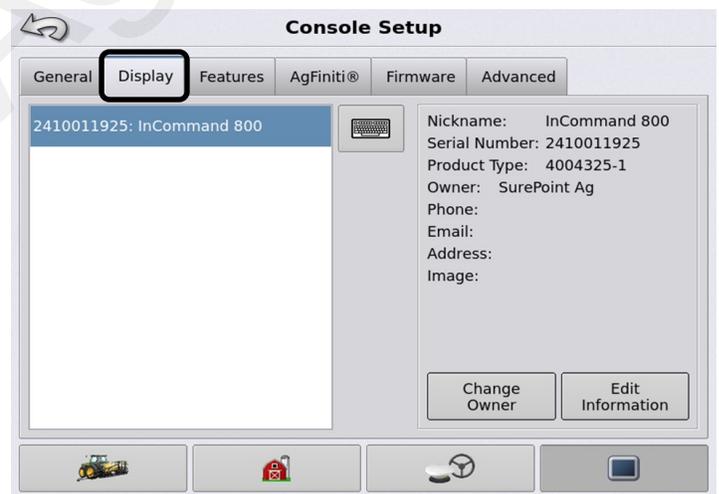
Console setup - General

Console Setup – Display



STEP 9

Using the **General tab**, adjust Brightness/Volume, Time/Date, Time Zone, Language, Country, and Operating Units to match your preferences. **Select ISOBUS.** Enable Task Controller.



STEP 10

Display: Information on this screen can be edited. This is optional.

Console Setup – Features



STEP 11

Features: Provides information on the Unlocks the display currently has. If Unlocks are needed for your operation, you will need to contact your AgLeader dealer. Multiple Product unlock is not Enabled on this display. If using more than one product, a Multiple Product unlock must be purchased from an AgLeader dealer.

Console Setup - AgFiniti



STEP 12

AgFiniti: Is used for Mobile Data Management. This is optional. Contact your AgLeader dealer for more information and subscription details.

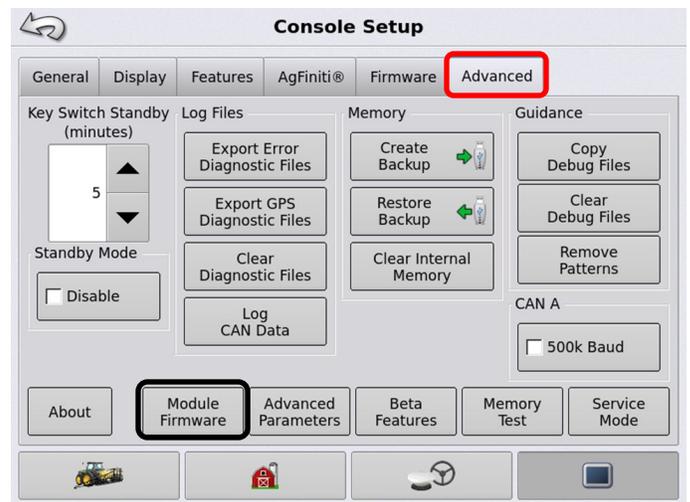
Console Setup – Firmware



STEP 13

Firmware: Firmware can be Upgraded and Installed from this page. Check with your AgLeader dealer for detailed information.

Console Setup – Advanced



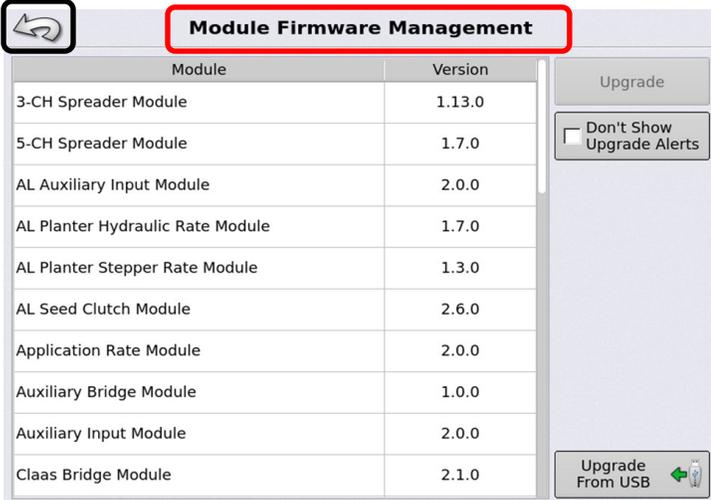
STEP 14

Advanced: DO NOT adjust any of these settings without consulting your owner's manual or contacting your AgLeader dealer.

Select Module Firmware.

Console Setup: Module Firmware Management

GPS / Guidance Setup



STEP 15



STEP 16

Module Firmware Management: This shows the current Firmware installed for all components associated with your display. If upgrades are needed, this can be done using a USB. Contact your AgLeader dealer for more information.

Press Setup to begin

Press twice to go back to the home screen.

GPS/Guidance Setup

GPS/Guidance Setup



STEP 17



STEP 18

Select the Guidance Icon

GPS/Guidance Setup: Refer to your operator's manual or contact your AgLeader dealer for instructions on how to setup your GPS/Guidance system.

Press to go back to the home screen.

Configuration Setup



STEP 19

Press Setup to begin .

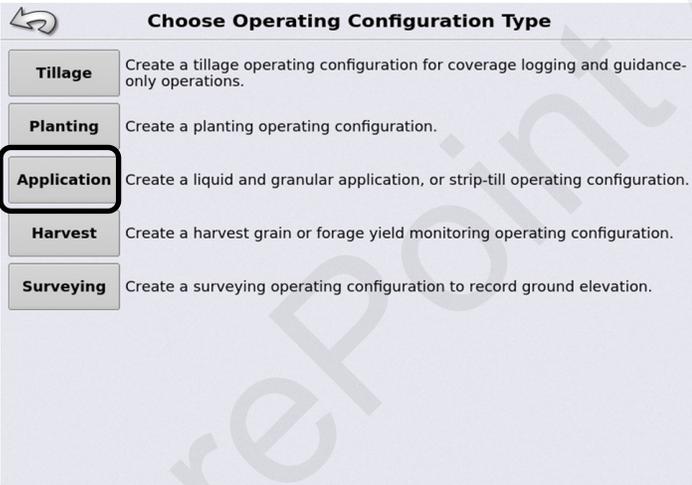
Configuration Setup



STEP 20

This page should be the default screen.
Press the  Symbol.

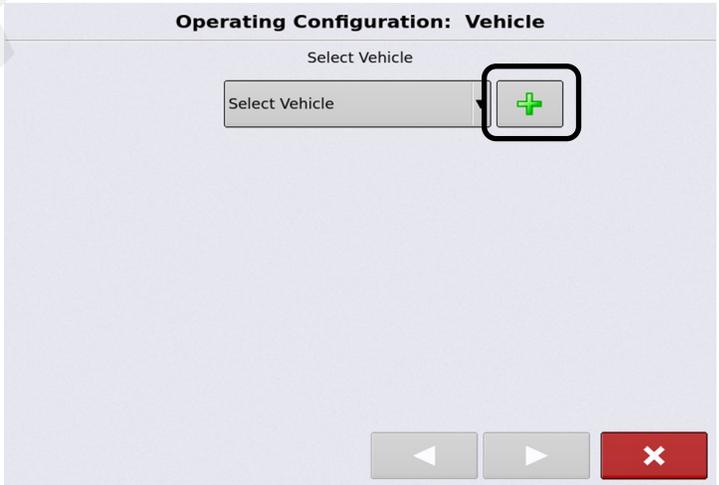
Configuration Setup



STEP 21

Select Application .

Configuration Setup



STEP 22

If using an existing Vehicle, select the vehicle from the drop-down menu.

If creating a new vehicle, press .

Configuration Setup

Vehicle Wizard: Make and Model

Vehicle Type
Front wheel steer tractor

Make
John Deere

Model
8130

Navigation buttons: Back, Next (highlighted), Cancel

STEP 23

Use the drop-down menu to fill in the correct information for the Vehicle that you will be using.

When completed, press  to continue.

Configuration Setup

Vehicle Wizard: Attachment Points

Enter Distance from Rear Axle to the Following Locations

Rear Drawbar 24 in

Rear Lift Arms 0 in

Front Lift Arms 0 in

Navigation buttons: Back, Next (highlighted), Cancel

STEP 24

Attachment Points: select the appropriate attachment point and enter the distance from the axle to your location.

Press  to continue.

Configuration Setup

Vehicle Wizard: Antenna Offsets

27.559 in Fore

0 in Right

127.953 in High

Navigation buttons: Back, Next (highlighted), Cancel

STEP 25

Antenna Offsets: Confirm antenna location and measurements for your vehicle.

Press  to continue.

Configuration Setup

Vehicle Wizard: Vehicle Name

Enter Vehicle Name

John Deere 8130

Navigation buttons: Back, Next (highlighted with checkmark), Cancel

STEP 26

Vehicle Name: This should be the vehicle that was previously setup.

Press  to continue.

Configuration Setup

Operating Configuration: Vehicle

Select Vehicle

John Deere 8130 

STEP 27

Vehicle: Confirmation of Vehicle selection.
Press  to continue.

Configuration Setup

Operating Configuration: Implement

Select Implement

Select Implement 

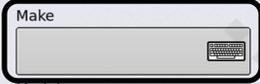
STEP 28

Select Implement: Use the drop-down menu to select an existing Implement.
Press  to select a new Implement.
Press  to continue.

Configuration Setup

Implement Wizard: Make and Model

Enter Implement Information

Make 

Model 

STEP 29

Make and Model: Select Make.

Configuration Setup

Implement Make

 Deere 

1 2 3 4 5 6 7 8 9 0

→ q w e r t y u i o p

Ⓜ a s d f g h j k l

↑ z x c v b n m , . -

Symbols  

STEP 30

Enter Make of your Implement.
Press  to continue.

Configuration Setup

Implement Wizard: Make and Model

Enter Implement Information

Make

Deere

Model

STEP 31

Make and Model: Select Model.

Configuration Setup

Implement Model

1770nt

Symbols

STEP 32

Implement Model: Enter the Model of your Implement.

Press to continue

Configuration Setup

Implement Wizard: Make and Model

Enter Implement Information

Make

Deere

Model

1770nt

STEP 33

Make and Model: This confirms the Implement settings.

Press to continue.

Configuration Setup

Implement Wizard: Attachment Type

Implement Attachment Type

Rear Drawbar

STEP 34

Attachment Type: Use the drop-down menu to select the Implement Attachment Type.

Press to continue.

Configuration Setup

Implement Wizard: Axle Offsets

Enter Hitch to Implement Axle Distance

10 ft

Navigation buttons: Back, Forward (highlighted), Cancel

STEP 35

Axle Offsets: Enter correct measurements.
Press  to continue.

Configuration Setup

Implement Wizard: Application Channels

Buttons: Liquid Application (highlighted), Direct Injection, Granular Application, Edit Container, Remove

Navigation buttons: Back, Forward (disabled), Cancel

STEP 36

Application Channels.
Select  to proceed.

Configuration Setup

Equipment Setup Wizard: Rate Controller

Select Application Rate Controller

No Controller 

Navigation buttons: Back, Forward (highlighted), Cancel

STEP 37

Rate Controller.
Press  to continue.

Configuration Setup

Controller Setup Wizard: Device

Select Controller or Flow Meter

Device: DirectCommand@

Direct Type: DirectCommand@ L2

NH3 Application

Navigation buttons: Back, Forward (highlighted), Cancel

STEP 38

Device: From the drop-down menu, select the correct Device, and Direct Type.
Press  to continue.

Configuration Setup

Controller Setup Wizard: Meter Calibration

Flow Meter Calibration Number

- 0 pls/gal +

Flow Meter 2 Calibration Number

- 0 pls/gal +

STEP 39

Meter Calibration:

Configuration Setup

Controller Setup Wizard: Meter Calibration

Flow Meter Calibration Number

- 2000 pls/gal +

Flow Meter 2 Calibration Number

- 0 pls/gal +

STEP 40

Meter Calibration:

Enter the Flow Meter Calibration Number that is labeled on your flow meter. The Flow Cal number for SurePoint flowmeters is on the serial number sticker on the side of the flowmeter.

Press to continue.

Configuration Setup

Controller Setup Wizard: Controller Name

Controller Name

Direct L2

STEP 41

Press to continue.

Configuration Setup

Equipment Setup Wizard: Rate Controller

Select Application Rate Controller

Direct L2

STEP 42

Select Application Rate Controller.

Select Direct L2 from the drop-down menu.

Press to continue.

Configuration Setup

Equipment Setup Wizard: Container

Container Name	Capacity	Units
Main Tank	0	gallons

◀
▶
✕

STEP 43

Container: Name your chemical container and enter Capacity and Units.

Configuration Setup

Equipment Setup Wizard: Container

Container Name	Capacity	Units
Main Tank	1000	gallons

◀
▶
✕

STEP 44

Press ▶ to continue.

Configuration Setup

Equipment Setup Wizard: Nozzle Count

Number of Nozzles

-

+

Nozzle Spacing

-

+

Full Swath: 20.0000 ft

◀
▶
✕

STEP 45

Nozzle Count: Enter Number of Nozzles and Nozzle Spacing for your application.

Press ▶ to continue.

Configuration Setup

Number of Boom Sections

Original Value: 1

✕

✕

7	8	9
4	5	6
1	2	3
0	.	+/-

✓
✕

STEP 46

Number of Boom Section: Enter the number of boom sections being used.

Press ✓ to continue.

Configuration Setup

Equipment Setup Wizard: Sections

Enter Number of Boom Section Valves

STEP 47

Sections: Confirm Number of Boom Section Valves.

Press to continue.

Configuration Setup

Equipment Setup Wizard: Section Valve

Signal Type

Valve Type

STEP 49

Section Valve.

Signal Type/Valve Type: From the drop-down menu, select the valve type that is being used.

Press to continue.

Configuration Setup

Equipment Setup Wizard: Section Configuration

Enter Number of Nozzles per Section from Left to Right

Section	Number of Nozzles
1	4
2	4

TIP: The implement is divided into equal number of nozzles per section by default. To modify the sections, press the keypad button for each section that needs to be changed.

STEP 48

Section Configuration: Confirm Boom Section and Nozzle configuration. Follow instructions for editing.

Press to continue.

Configuration Setup

Equipment Setup Wizard: Application Point Offset

Enter Distance from Hitch to Application Point
(front to back)

STEP 50

Application Point Offset: Enter the correct dimensions.

Press to continue.

Configuration Setup

Implement Wizard: Application Channels

Device	Direct L2	<input type="checkbox"/> Liquid Application <input type="checkbox"/> Direct Injection <input checked="" type="checkbox"/> Granular Application
Application	Liquid	
Swath Width (ft)	20	
Number of Sections	2	
Capacity (gallons)	1000	

STEP 51

Application Channels.

This is a summary of what has been set up.

NOTICE: Warning about Multi-Product unlock. If there is more than one product being used, a Multi-Product unlock must be purchased and installed.

Press to continue.

Configuration Setup

Implement Wizard: Hitch Point Configuration

Enter Hitch Point Information

Implement Provides a Rear Hitch

Enter Left or Right Distance

0 ft to the left ▼

Enter Forward or Backward Distance

0 ft

Enter the left or right offset and the forward or backward distance from the point the implement connects to a vehicle to the implement's hitch point.

STEP 52

Hitch Point Configuration.

Enter the appropriate information.

Press to continue.

Configuration Setup

Implement Wizard: Implement Name

Enter Implement Name

Deere 1770nt

STEP 53

Implement Name: Confirms Implement being used.

Press to continue.

Configuration Setup

Operating Configuration: Implement

Select Implement

Deere 1770nt

Equipment	Name
Implement	Deere 1770nt
Device	Direct L2
Container	Main Tank

STEP 54

Implement: Summary of Implement, controller, and tank being used.

Press to continue.

Configuration Setup

Operating Configuration: Speed Source

Primary Source

Backup Source

Auxiliary Device Channel

Auxiliary Channel Calibration

Pulses / 100 ft

STEP 55

Speed Source: Select the appropriate Source and Calibration information.

Press to continue.

Configuration Setup

Operating Configuration: Configuration Name

Suggested Name for Configuration

STEP 56

Configuration Name: Suggested Name can be edited.

Press to continue.

Configuration Setup

Configuration Setup

Vehicle
John Deere 8130

1

Implement: Deere 1770nt Controller: Direct L2

Full Swath: 20 ft	Serial Number: Unassigned
Sections: 2	Device: DirectCommand®
Nozzles: 8	Type: Liquid
Boom Valves: 2	Flow Meter Cal (pls/gal) 2000.00
Signal Type: 12 V - High	Flow Meter 2 Cal (pls/gal) 0.00
Valve Type: Standard	

STEP 57

Configuration Setup: Page 1 Summary

Press to continue.

Configuration Setup

Configuration Setup

Vehicle
John Deere 8130

1

Implement: Deere 1770nt Controller: Direct L2

Full Swath: 20 ft	Serial Number: Unassigned
Sections: 2	Device: DirectCommand®
Nozzles: 8	Type: Liquid
Boom Valves: 2	Flow Meter Cal (pls/gal) 2000.00
Signal Type: 12 V - High	Flow Meter 2 Cal (pls/gal) 0.00
Valve Type: Standard	

STEP 58

Configuration Setup: Summary details.

Select .

Configuration Setup

	Direct L2 Channel On/Off
F1 (Master)	
F2 (Switch 1)	1
F3 (Switch 2)	2
F4 (Switch 3)	
F5 (Switch 4)	
F6 (Switch 5)	
F7 (Switch 6)	
F8 (Switch 7)	
F9 (Switch 8)	
F10 (Switch 9)	

STEP 59

Auxiliary Input: When using an Auxiliary Switch Box for Auto/Manual Section Control, this page will need to be setup accordingly. Refer to the operator’s manual or contact your AgLeader dealer.

Press to return.

Configuration Setup

STEP 61

Application Swath Control: Select your option. Refer to the operator’s manual or contact an AgLeader dealer for more information.

Press .

Configuration Setup

STEP 60

Select .

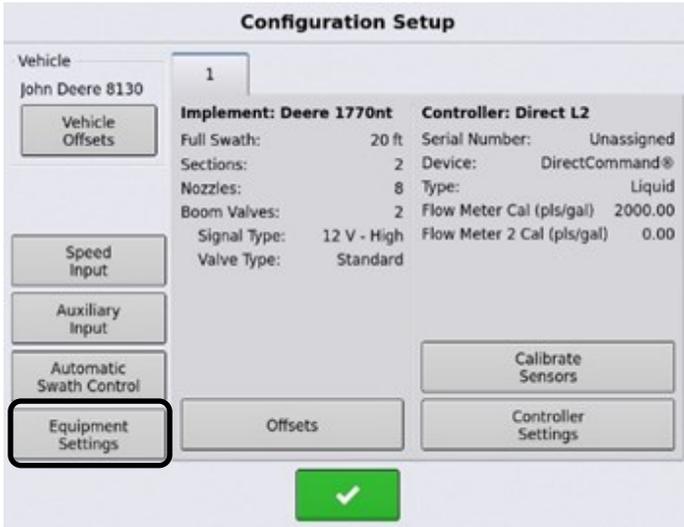
Configuration Setup

STEP 62

Look Ahead Settings: Refer to the operator’s manual or contact an AgLeader dealer for more information.

Press to continue.

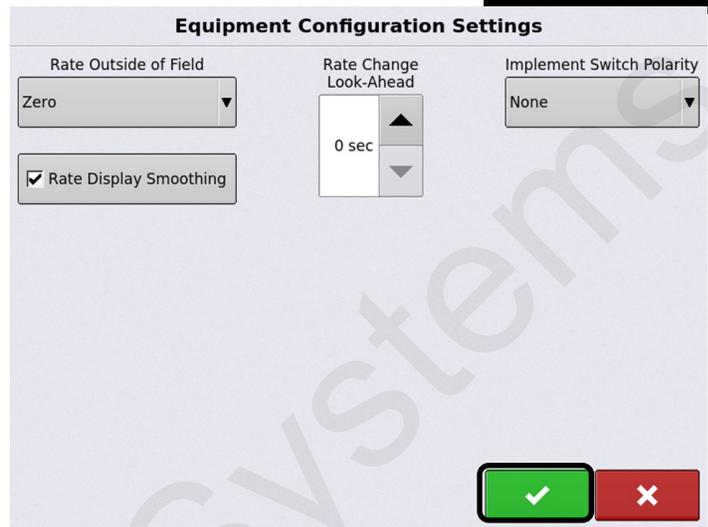
Configuration Setup



STEP 63

Select Equipment Settings.

Configuration Setup

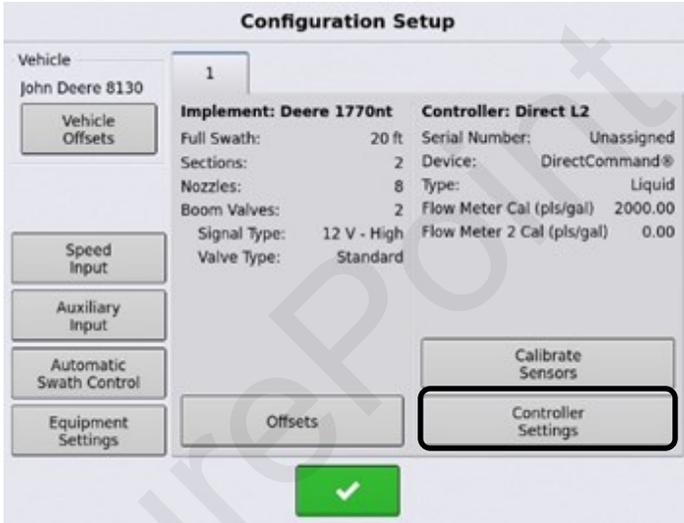


STEP 64

Equipment Configuration Settings: Refer to the operator's manual or contact an AgLeader dealer for more information.

Press ✓ to continue.

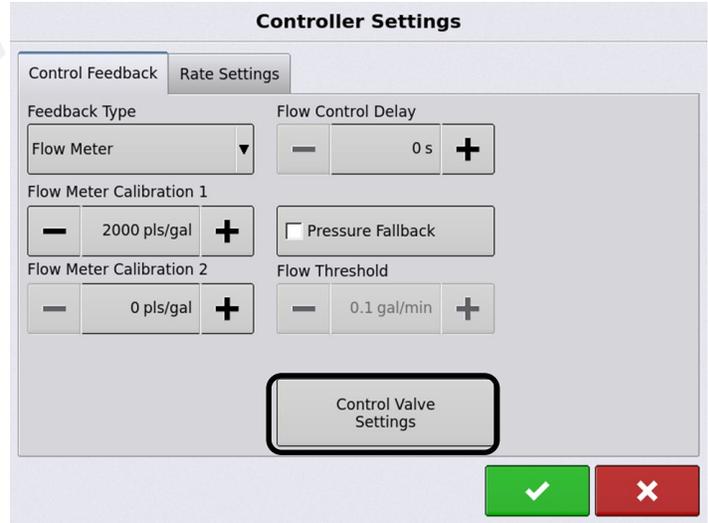
Configuration Setup



STEP 65

Select Controller Settings.

Configuration Setup



STEP 66

Controller Settings: Feedback Type set to Flow Meter. Check Flow Meter Calibration for accuracy.

Select Control Valve Settings.

Configuration Setup

STEP 67

Control Valve Settings: *These are critical.* Set these for SurePoint systems.

Control Valve: PWM 12 volt

PWM Frequency: 100

PWM Gain: 800 (decrease if rate is varying; increase to adjust more quickly.)

Zero Flow Offset: Can be set higher if system is slow to get to Target Rate when starting. Can be set lower if pump will not slow enough for low rates. This is the same as LOW PWM LIMIT.

Press to continue.

Configuration Setup

STEP 69

Select

Rate Settings

Configuration Setup

STEP 68

Select

Controller Settings

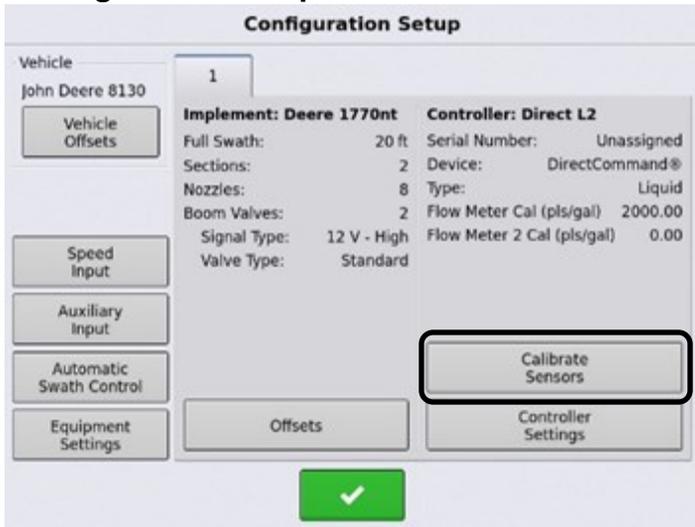
Configuration Setup

STEP 70

Flow Control Valve drop-down menu options. Hold, Close, Maintain Standby Duty Cycle, and Maintain Standby Pressure. Set as needed.

Press to continue.

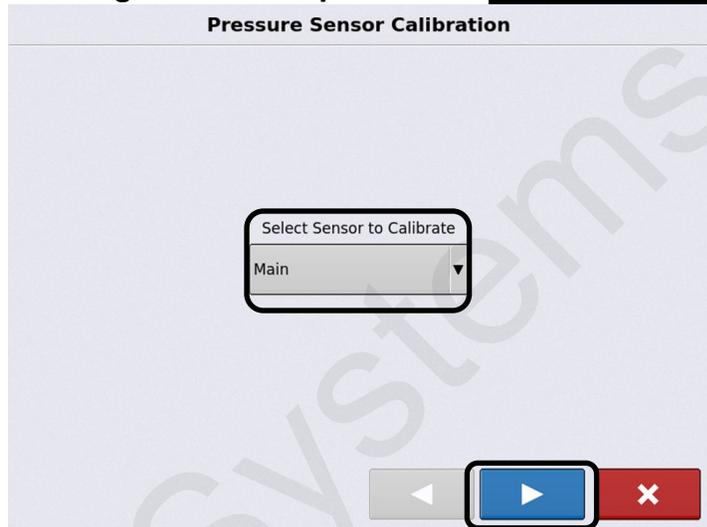
Configuration Setup



STEP 71



Configuration Setup

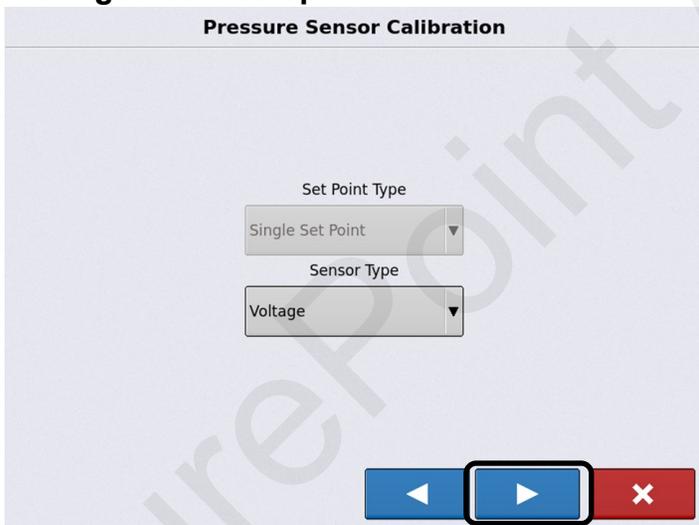


STEP 72

Pressure Sensor Calibration: Select Main from the drop-down menu.

Press  to continue.

Configuration Setup



STEP 73

Pressure Sensor Calibration. If using a SurePoint pressure transducer, set as depicted.

Press  to continue.

Configuration Setup

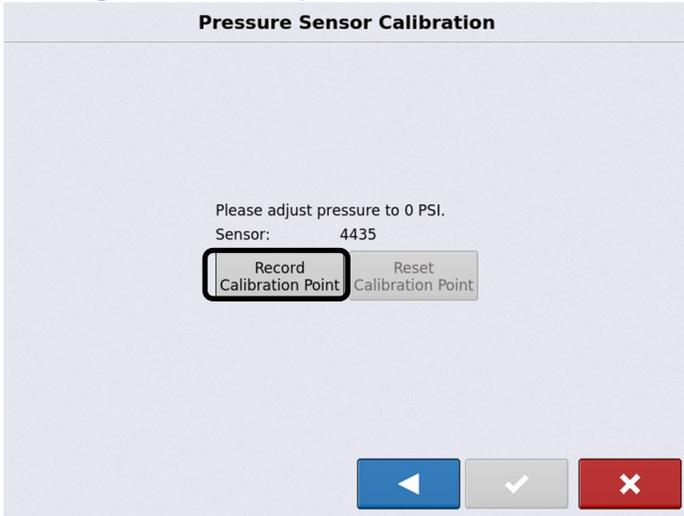


STEP 74

Pressure Sensor Calibration. If using a SurePoint pressure transducer, set as depicted.

Press  to continue.

Configuration Setup



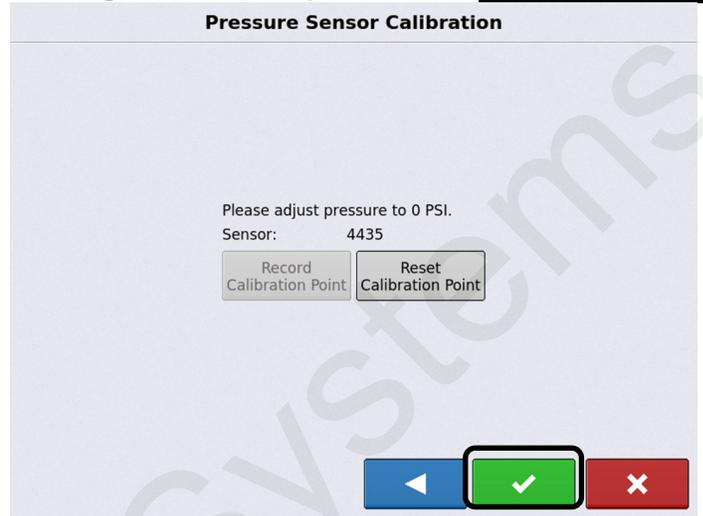
STEP 75

Pressure Sensor Calibration.

Ensure that there is 0 PSI at the pressure transducer or unplug the wire harness going to the sensor.

Select .

Configuration Setup



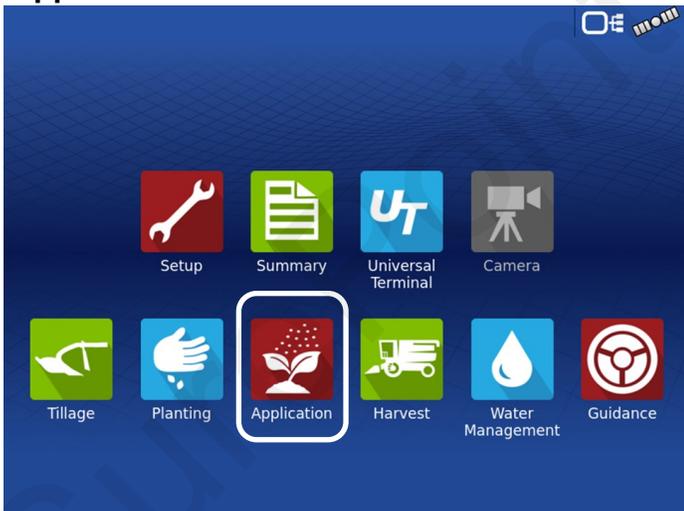
STEP 76

Pressure calibration is complete. Plug sensor back in, if needed.

Press  to continue.

Setup screens are concluded. Exit out of all screens, and go to the home screen.

Application



STEP 77

Select .

Application



STEP 78

Operating Configuration Selection.

In the drop-down menu, select the vehicle and implement that was setup.

Press  to continue.

Application

Management Selection

Growing Season
2023 Crop(2) +

Grower
SurePoint Ag +

Farm
Test +

Field
1 +

Enable Management

◀ ▶ ✖

STEP 79

Management Selection.

Enter all information.
Press ▶ to continue.

Application

Product Selection

Direct L2 Active Select Product +

◀ ▶ ✖

STEP 80

Product Selection.

Select Product + Use the drop-down menu to select or create a new product.

Application

Product Selection

Direct L2 Active 30% UAN +

◀ ▶ ✖

STEP 81

Press ▶ to continue.

Application

Event Selection

+ Start New Event

Event: 2023-07-11_13:50:40

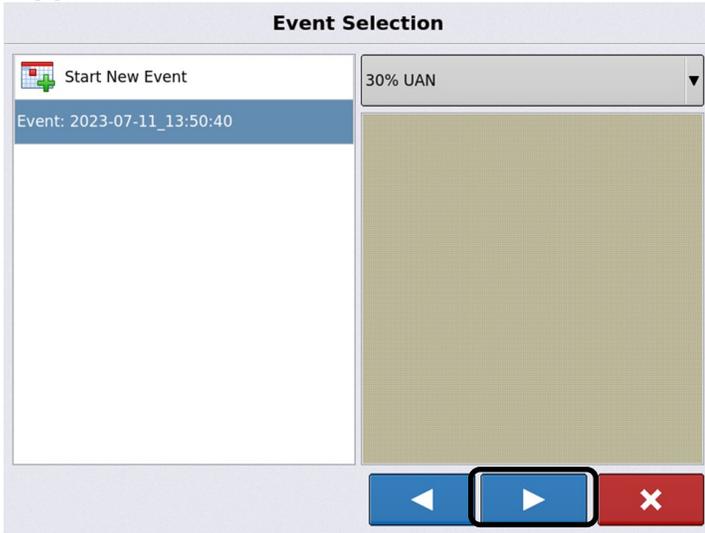
◀ ▶ ✖

STEP 82

Event Selection.

Select: Start a New Event or Resume an Old Event.

Application



STEP 83

After the selection is made.
Press  to continue.

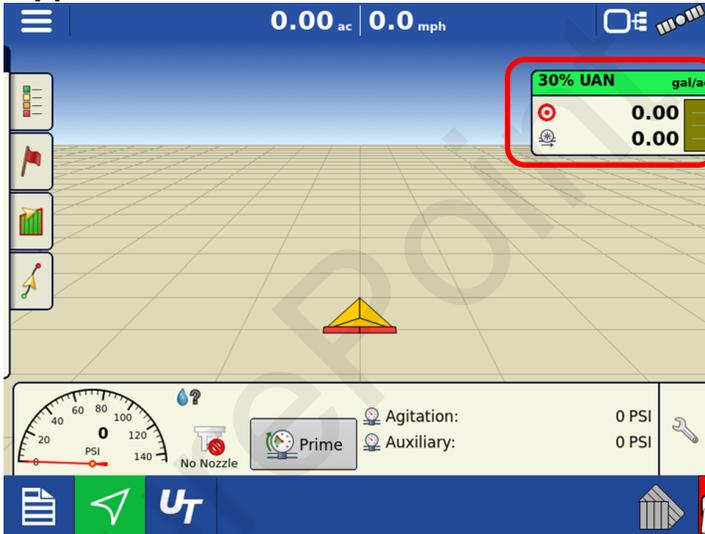
Application



STEP 84

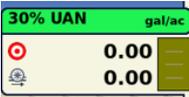
Options:
Edit Region or Controlling Product, as needed.
Press  to continue.

Application

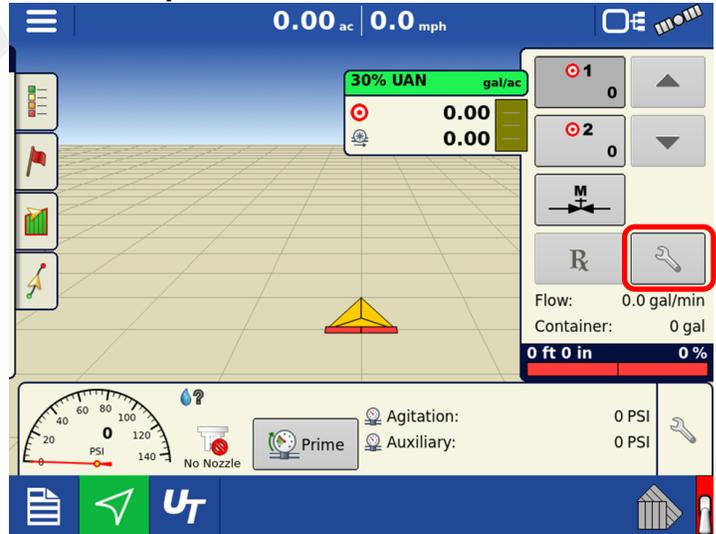


STEP 85

Target Rates will need to be setup.

Select  .

Rate Setup



STEP 86

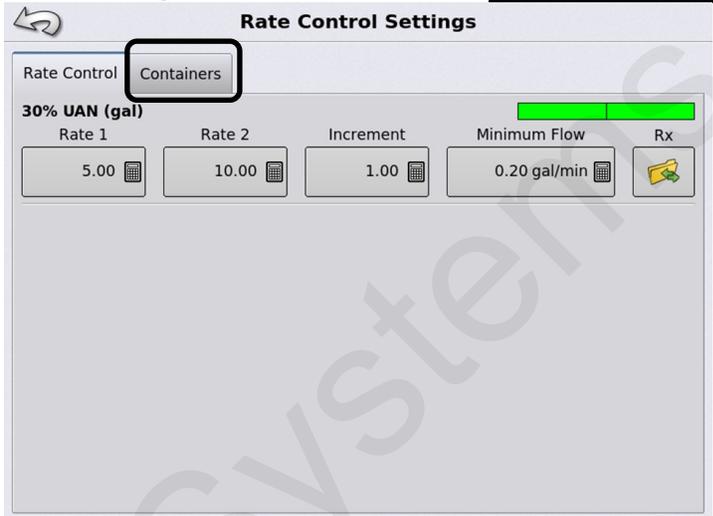
Select  located in the Target Rate area.

Rate Setup



STEP 87

Rate Setup



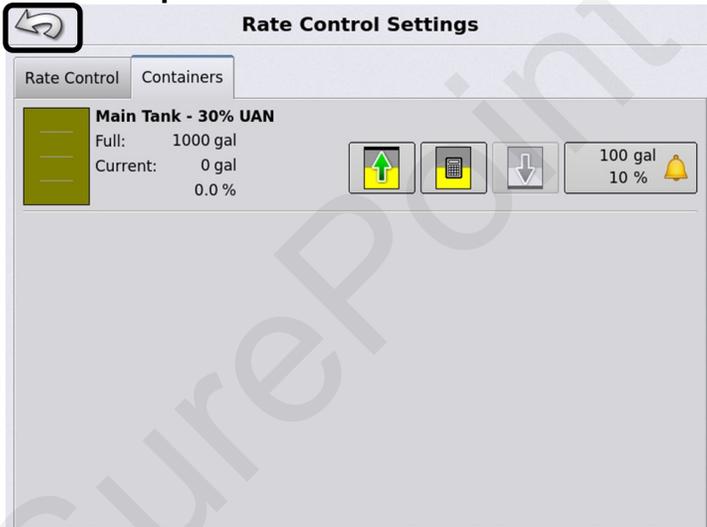
STEP 88

Rate Control Settings.

Enter desired rates for Rate 1, 2.
Set Increment for +/- manual rate adjustment.
Set Minimum Flow for Rate Alarm.
Select RX, if using prescriptions.



Rate Setup

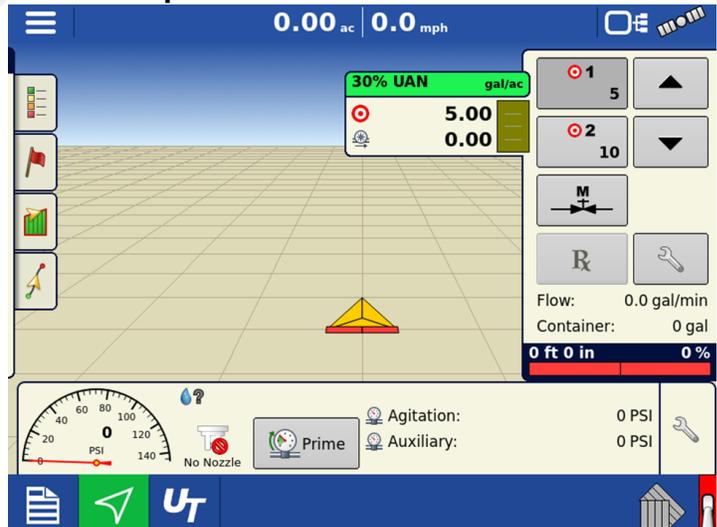


STEP 89

Enter information, if needed.



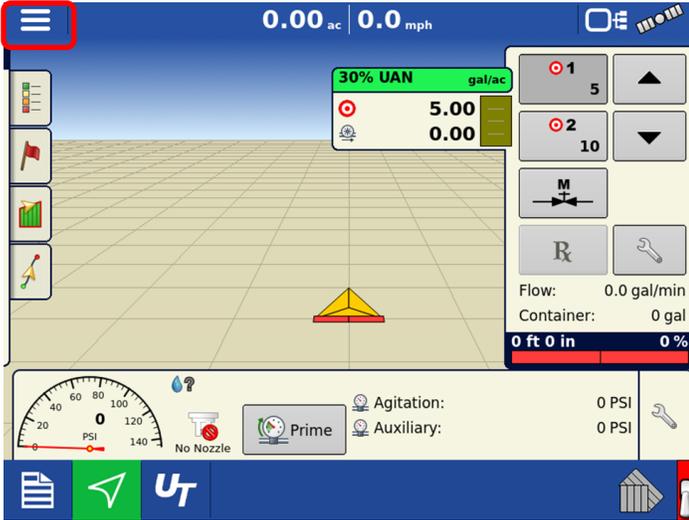
Rate Setup



STEP 90

The system is ready to apply Liquid.

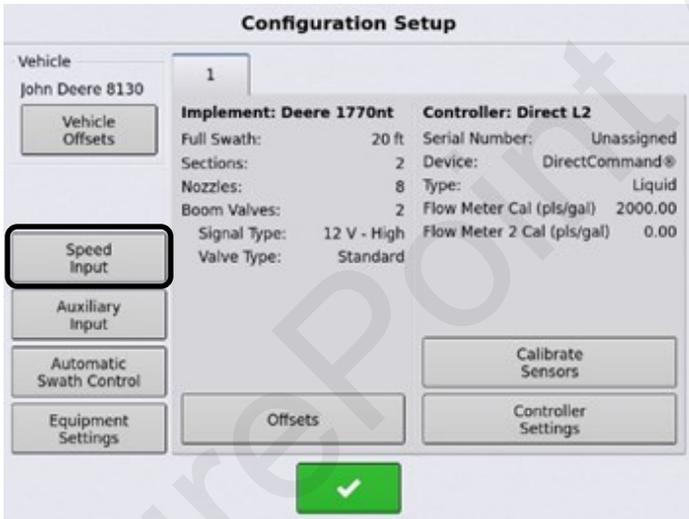
Manual Speed Entry



STEP 91

Select  for a drop-down menu.
Select Settings.

Manual Speed Entry

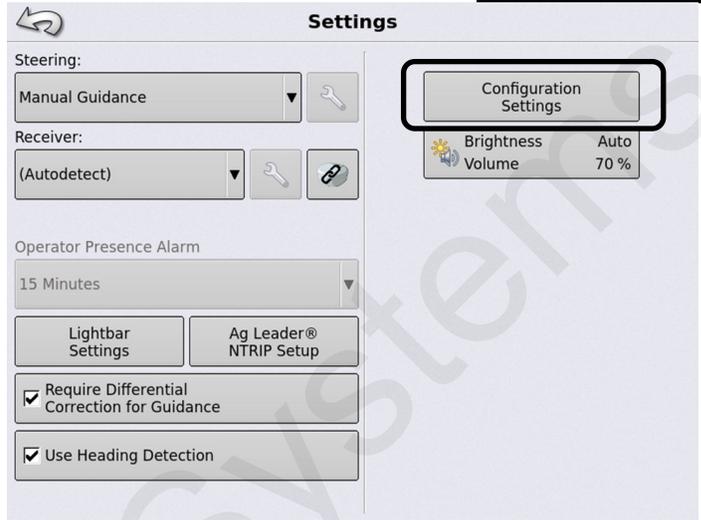


STEP 93

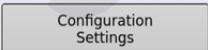
Configuration Setup.

Select .

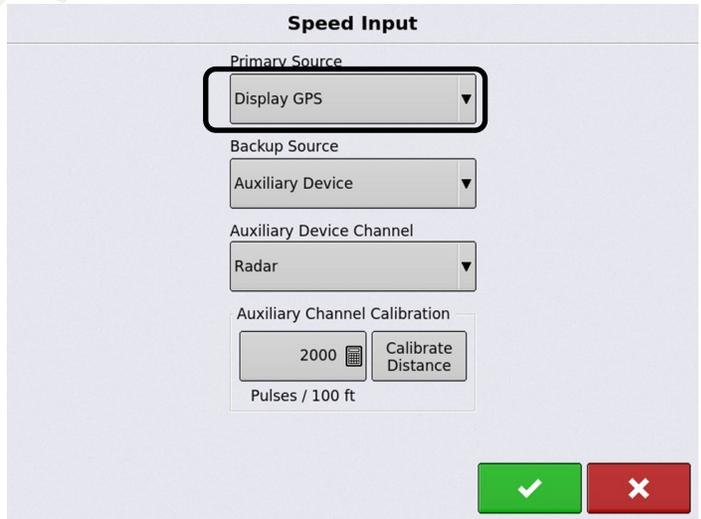
Manual Speed Entry



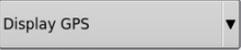
STEP 92

Select .

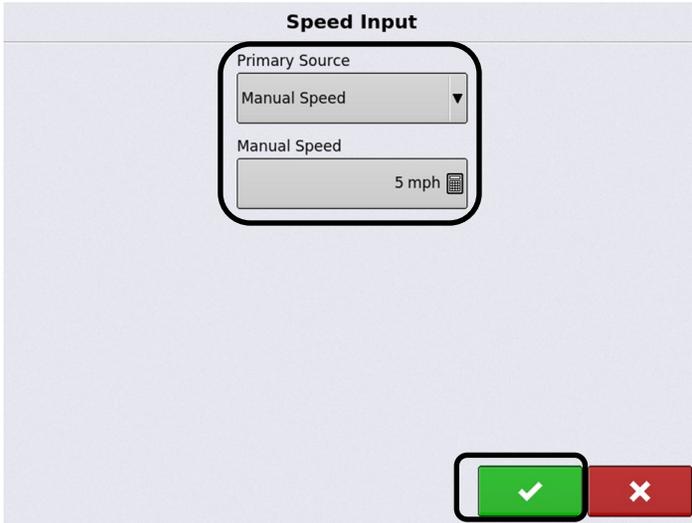
Manual Speed Entry



STEP 94

Select  using the drop-down menu.

Manual Speed Entry



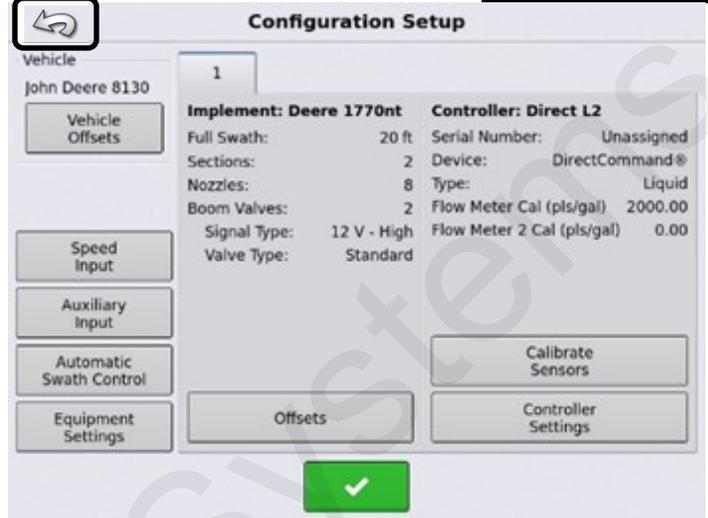
STEP 95

Speed Input.

Select Manual Speed and enter a Manual Speed MPH.

Press  to continue.

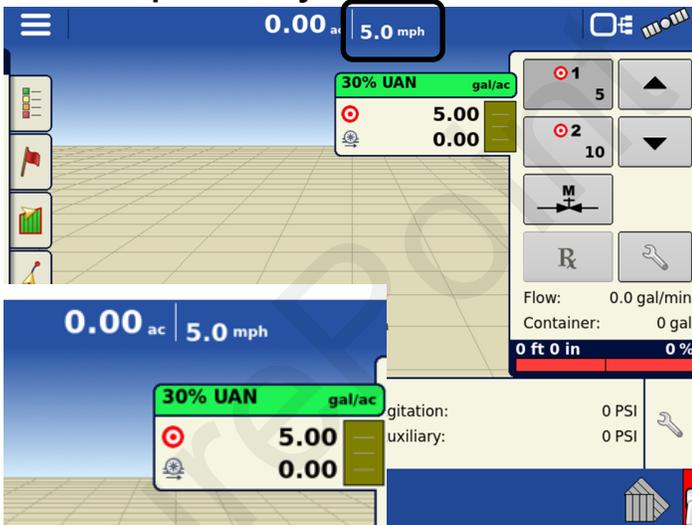
Manual Speed Entry



STEP 96

Select  to return to Application Screen.

Manual Speed Entry

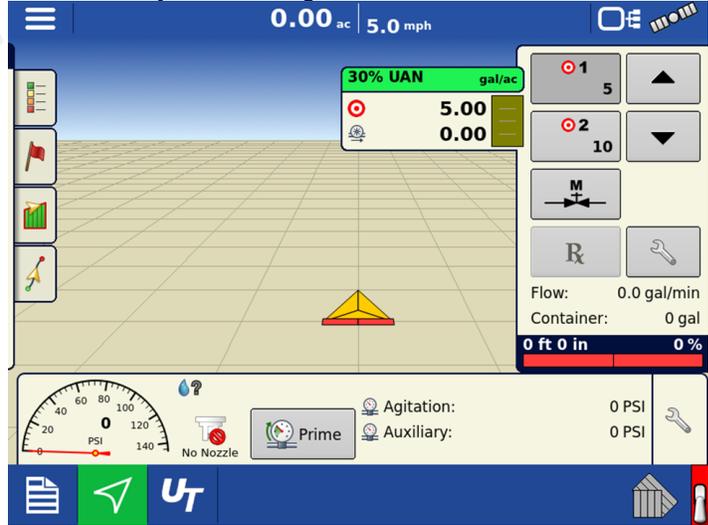


STEP 97

There is now a test speed of 5 mph. We can effectively test the system while being stationary.

Refer to the operator's manual or contact an AgLeader dealer for additional information.

Manual Speed Entry



STEP 98

Go back to Settings < Configuration Settings < Speed Input < Primary Source
Change Primary Source setting from Manual Speed to Display GPS for normal operation.

SurePoint Ag Systems



AGLeader ISO Liquid Control

D

AgLeader ISO
Liquid Control

AgLeader ISO Liquid Control

What is the maximum Number of Sections that can be controlled?

Up to 36 sections using three AgLeader Liquid Swath Control Modules

Up to 144 sections with Non AgLeader ISO ECU's. This is dependent on the maximum number of sections the Non-AgLeader ECU can control up to 144 sections.

Will the main page show up the number of sections?

When the configuration is setup, it will show the number of section on the screen. If there are 24 sections on the sprayer, it will have a picture of the 24 sections on the screen.

Can be configured for Flow-based or Pressure-based control

Basic setup needed for controller to function properly

Grower, Farm, Field

Activate UT

UT Setup / Configuration

Display / Console

GPS / Guidance

Configuration

Application

Rate

Manual Speed

Refer to AgLeader Operator's Manual

4004700-ENG Rev. U InCommand 800 Display User Guide

2006251-ENG Rev. A ISOBUS Liquid Module

2006017-ENG InCommand ISO Liquid Control

2006034-ENG InCommand Aux Functions

D

AgLeader ISO Liquid Control



STEP 1

Power on the display and the Home Screen should be showing.

Select Setup  .



STEP 2

Select  .

Select Grower, Farm, Field



STEP 3

Enter in your Grower, Farm, and Field information.

Use the  to edit or add information.

Select Users



STEP 5

You can enter in the **operators/users** that will be operating your equipment. This is for data management only.

Use the  to edit or add information.

Select Season



STEP 4

Edit this information as needed for your annual farming operation. This can be done by using

the .

Select Businesses



STEP 6

Enter in **Business** information as need. This is for data management only.

Use the  to edit or add information.

Press the return arrow. 

The Display / Console will need to be setup correctly.

This page will appear first.



STEP 7

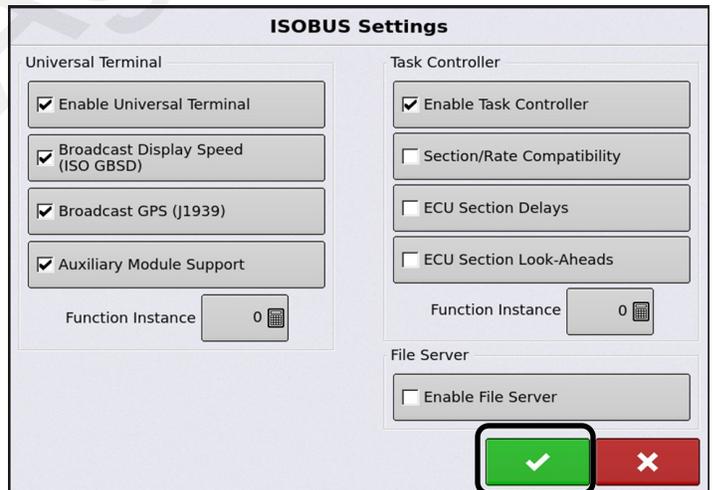
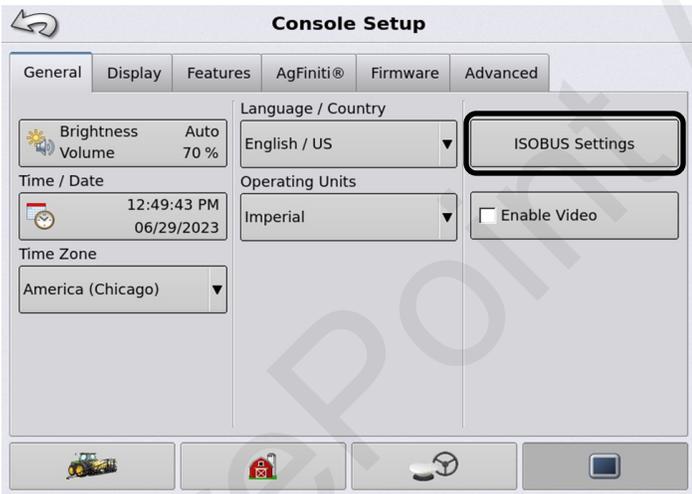
STEP 8

Press Setup to begin .

Select the Display icon .

Console setup: General

Console Setup: General: ISO Selection



STEP 9

STEP 10

Using the **General** tab, enter **Brightness/Volume, Time/Date, Time Zone, Language.** Country and Operating Units to match your preferences.

NOTE: See next page for explanation of settings. Set as needed for your operation.

Select ISOBUS Settings.

Select  to continue.

Enable Video will not be used.

Control Setup – General – ISO Selection

Common Terminology: Control Setup – General – ISO Selection

ISOBUS Working Set: One or more ISOBUS modules that control an implement's functionality.

Working Set Master (WSM): Main module responsible for coordinating all communication between the UT and the Working Set, including loading of the Object Pool to the UT screen.

Object Pool: The graphic image presented to the user on the UT display. The Object Pool is sent to the UT by the ISOBUS module.

ATTENTION!: Before operating an ISOBUS implement with the display, read the operator's manual provided by the implement's manufacturer and follow all safety information provided in the manual. When this display is used with an ISOBUS implement, the information and functions on the display are provided by the implement ECU and are the responsibility of the implement manufacturer.

Broadcast Display Speed (ISO GBSD): Checking this box allows speed source currently being utilized by the display to be broadcast over the ISOBUS to the implement ECU.

Broadcast GPS (J1939): Checking this box allows GPS data being supplied by the GPS receiver to be broadcast over the ISOBUS to the implement ECU.

Auxiliary Module Support: Checking this box allows the AgLeader Auxiliary Input Module or Smart Switchbox, to be used with ISOBUS ECUs that support AUX-N auxiliary functions.

Universal Terminal Functional Instance: Always set to 0 except when there are multiple UTs on the ISOBUS.

Section/Rate Compatibility: This setting determines how often the Display target rate message is sent to the ISOBUS ECU.

- When unchecked, the target rate message is only sent when it is changed on the display.
- When checked, the target rate message is sent at regular intervals. This is a non-standard ISOBUS setting. Leave this setting off unless ISOBUS ECU has an issue with the target rate resetting to zero on its own.

ECU Section Delays: Determines the manner in which mapping delays are handled with ISOBUS ECUs.

- When checked (default), mapping delays are determined by ISOBUS ECU and the "look-ahead" interval stored in the AgLeader display. Leave this checked when using DirectCommand Gen2 ISO Liquid.

Control Setup – General – ISO Selection.

- When unchecked, mapping delays are determined by the look-ahead interval stored in the AgLeader display. This method is thought of as industry standard and is used by various manufacturers. Leave this unchecked when on-ground AutoSwath performance is correct, but display mapping is showing gaps/overlaps.

NOTE!: Enabling/disabling this setting does not effect on-ground section performance.

Enable File Server: Enables Hardi Sprayer specific diagnostic logging for troubleshooting purposes.

Task Controller Function Instance: Always set to 0 except when there are multiple TCs on the ISOBUS. Use to change instance. Reboot Display.

ECU Section Look-Ahead: Determines how "look-aheads" are used for AutoSwath with ISOBUS ECU.

- When checked (default), the display will use "look-ahead" settings from the ISOBUS ECU.
- When unchecked, the display will use "look-ahead" settings that are entered and stored in the displays Automatic Swath Control settings.

NOTE!: Enabling/disabling this setting will effect on-ground section performance

*****NOTE*****

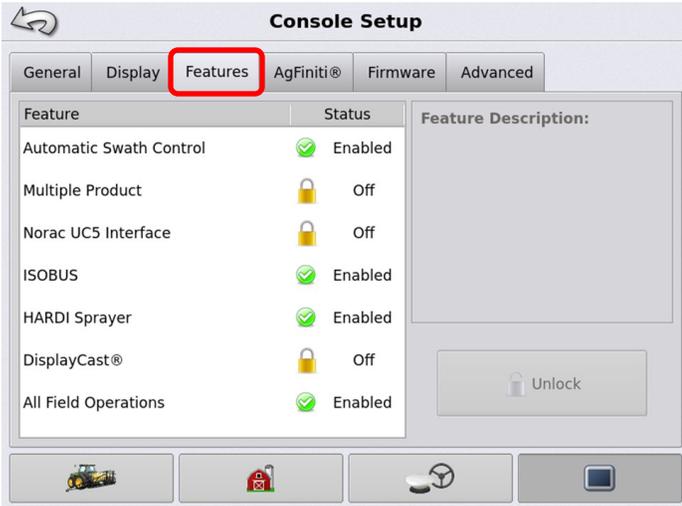
This information was copied from AgLeader Operation manual .
PN 4004700-ENG Rev. U



STEP 11

Display: Information on this screen *can be* edited as needed. This is optional.

Console Setup – Features



STEP 12

Features: Provides information on the Unlocks the display currently has. If Unlocks are needed for your operation, you will need to contact your AgLeader dealer. Multiple Product unlock is not Enabled on this display.

Console Setup - AgFiniti



STEP 13

AgFiniti: Is used for Mobile Data Management. This is optional. Contact your AgLeader dealer for more information and subscription details.

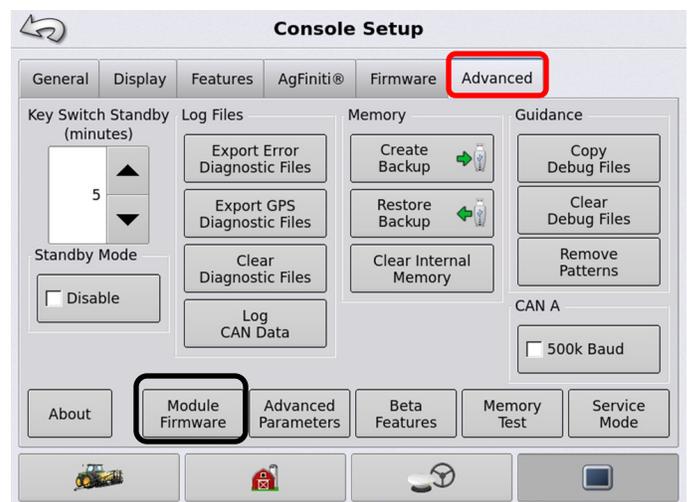
Console Setup – Firmware



STEP 14

Firmware: Firmware can be Upgraded and installed from this page. Check with your AgLeader dealer for detailed information.

Console Setup – Advanced



STEP 15

Advanced: **DO NOT** adjust any of these settings without consulting your owner's manual or contacting your AgLeader dealer.

Select- Module Firmware

Console Setup – Module Firmware Management

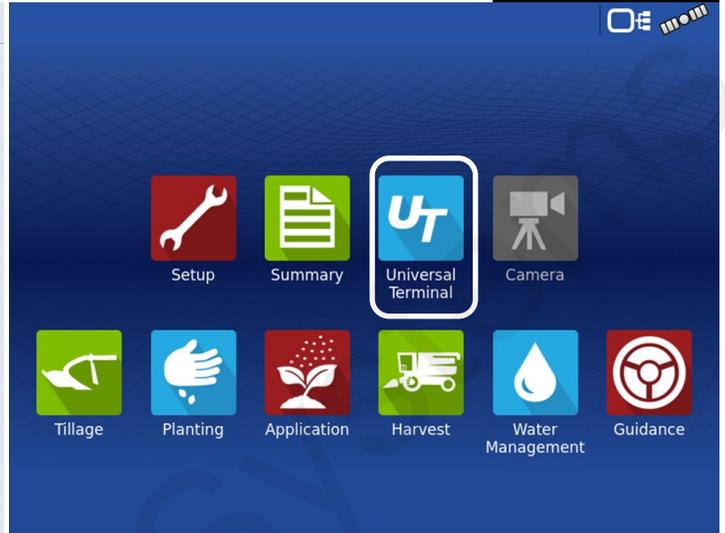
UT Setup for ISO Rate Control

Module Firmware Management		Upgrade
Module	Version	
3-CH Spreader Module	1.13.0	<input type="checkbox"/> Don't Show Upgrade Alerts Upgrade From USB
5-CH Spreader Module	1.7.0	
AL Auxiliary Input Module	2.0.0	
AL Planter Hydraulic Rate Module	1.7.0	
AL Planter Stepper Rate Module	1.3.0	
AL Seed Clutch Module	2.6.0	
Application Rate Module	2.0.0	
Auxiliary Bridge Module	1.0.0	
Auxiliary Input Module	2.0.0	
Claas Bridge Module	2.1.0	

STEP 16

Module Firmware Management: This shows the current Firmware installed for all components associated with your display. If upgrades are needed, this can be done using a USB. Contact your AgLeader dealer for more information.

Press the return arrow twice to proceed.

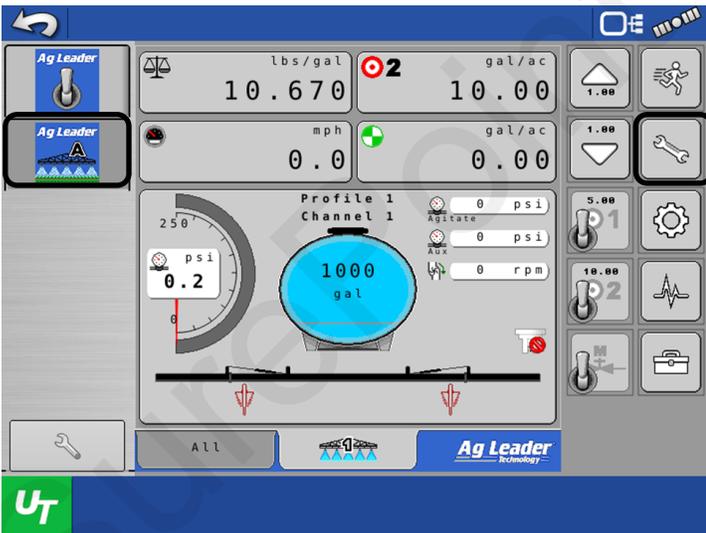


STEP 17

Press  to continue.

UT Setup for ISO Rate Control

UT Setup for ISO Rate Control



STEP 18

To view the **ISOBUS** screen select.



Press  to continue.



STEP 19

Press .

UT Setup for ISO Rate Control



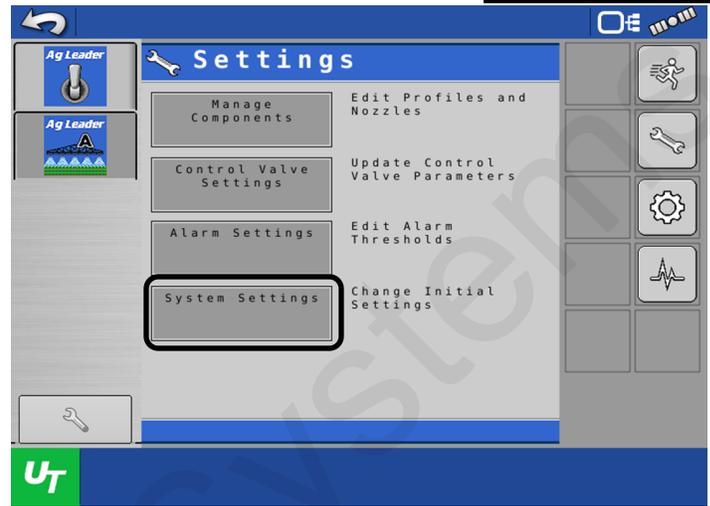
STEP 20

Confirm Number of Sections, Width, Nozzles and Nozzle Spacing.

Press  to edit changes. Proceed to **Step 21**.

If No changes are needed, Proceed to **Step 31**.

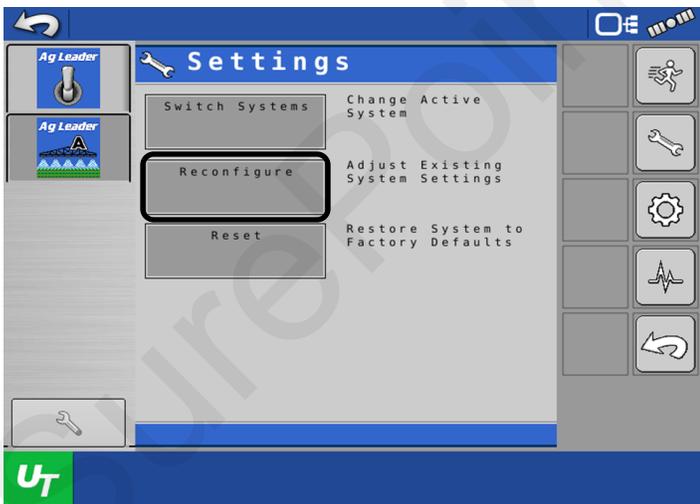
UT Setup for ISO Rate Control



STEP 21

Press .

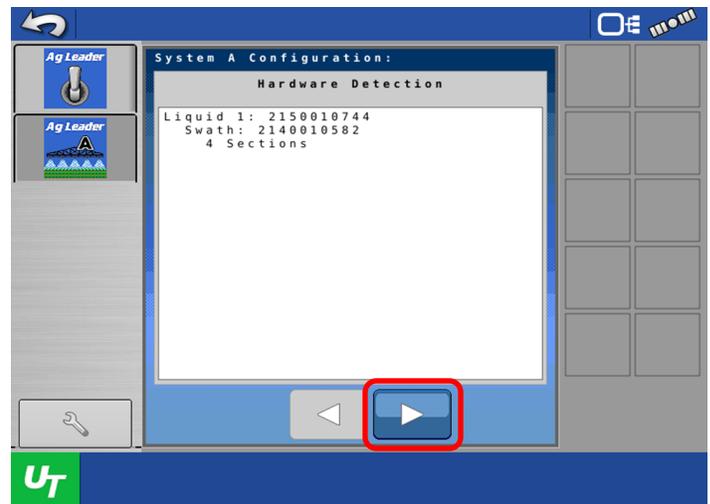
UT Setup for ISO Rate Control



STEP 22

Press .

UT Setup for ISO Rate Control

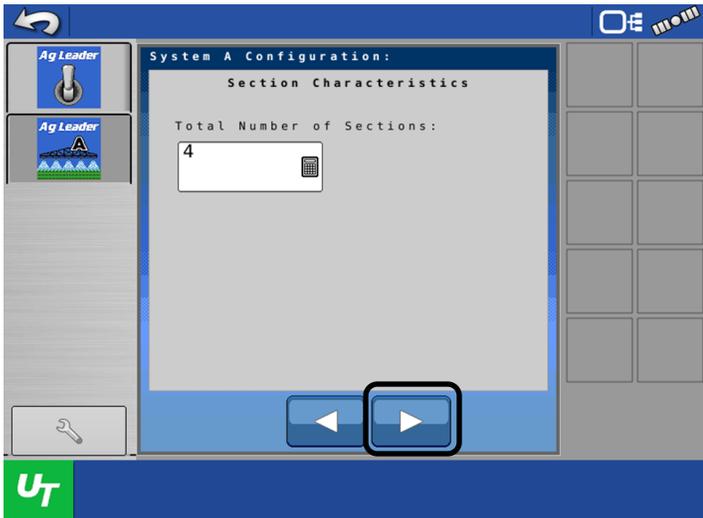


STEP 23

This page shows the Number of Sections currently setup.

Press  to continue.

UT Setup for ISO Rate Control



STEP 24

Enter the correct number of sections for your operation.

Press  to continue.

UT Setup for ISO Rate Control

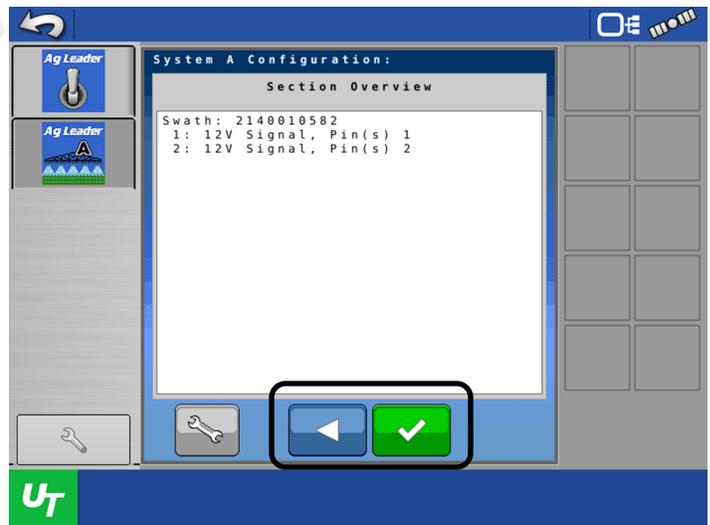


STEP 25

Use the drop-down menu.
Enter correct Signal Type and Section Valve type for your operation.

Press  to continue.

UT Setup for ISO Rate Control



STEP 26

Confirm Section Overview.

If correct press  to continue.

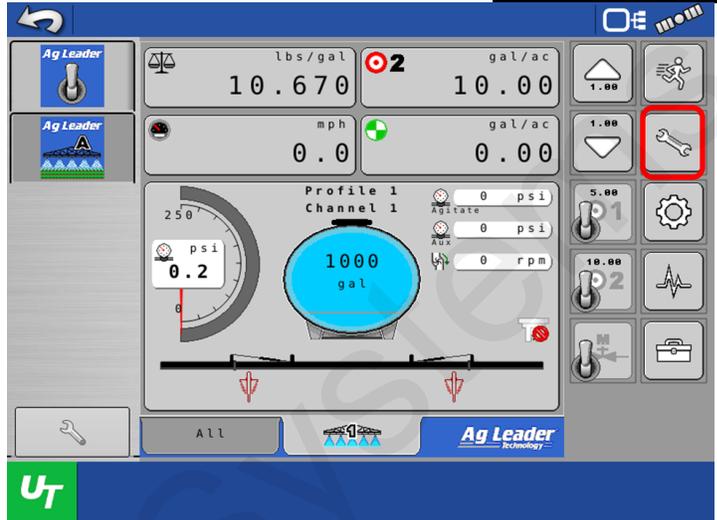
If incorrect press  to go back to previous pages and re-enter correct information.

UT Setup for ISO Rate Control

UT Setup for ISO Rate Control



STEP 27



STEP 28

Press  to restart UT so modifications will be updated.

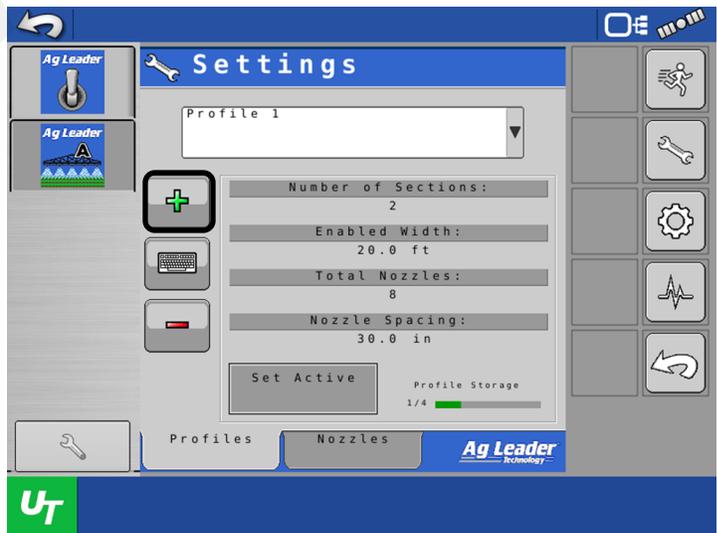
Press  to continue.

UT Setup for ISO Rate Control

UT Setup for ISO Rate Control



STEP 29

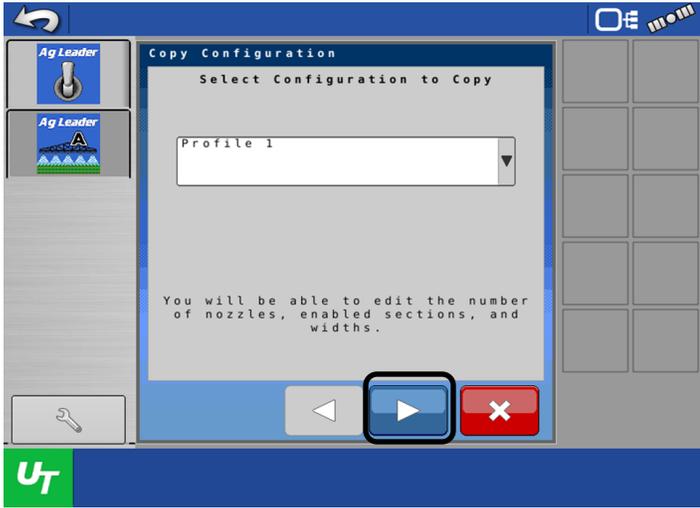


STEP 30

Press  .

Press  to Edit Profile and continue.

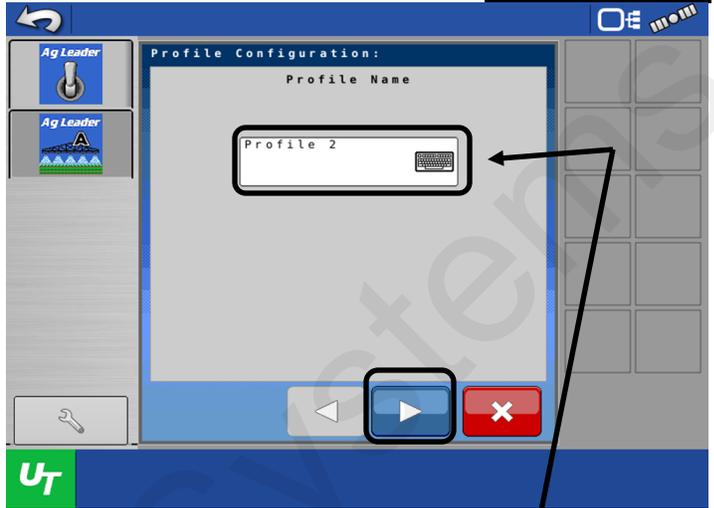
UT Setup for ISO Rate Control



STEP 31

Press  to enter controller settings.

UT Setup for ISO Rate Control



STEP 32

Press the keyboard and edit the Profile Name.

Press  to continue.

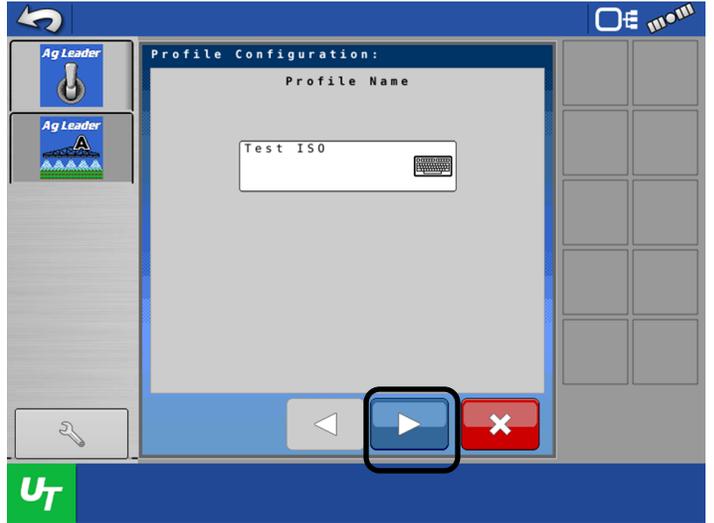
UT Setup for ISO Rate Control



STEP 33

Press  to continue.

UT Setup for ISO Rate Control

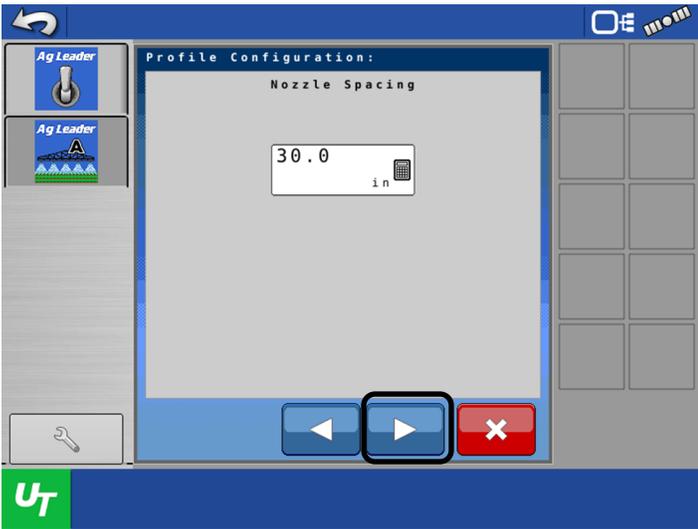


STEP 34

Press  to continue.

UT Setup for ISO Rate Control

UT Setup for ISO Rate Control



STEP 35

Enter Nozzle/Row Spacing Configuration.
Press  to continue.

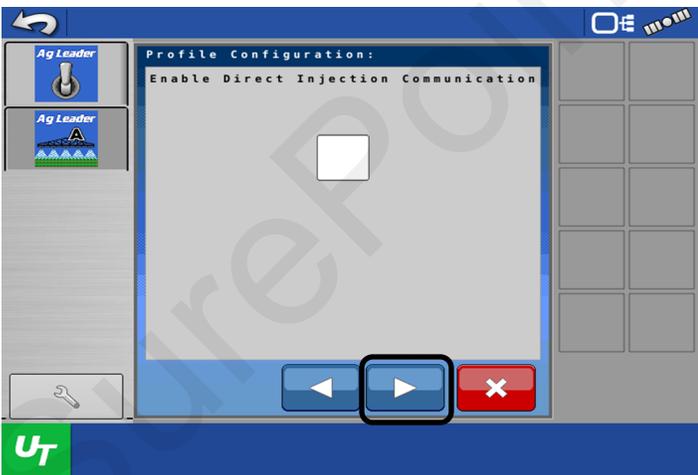


STEP 36

Enter number of Nozzles  per Section.
Use  to toggle between sections.
Press  to continue.

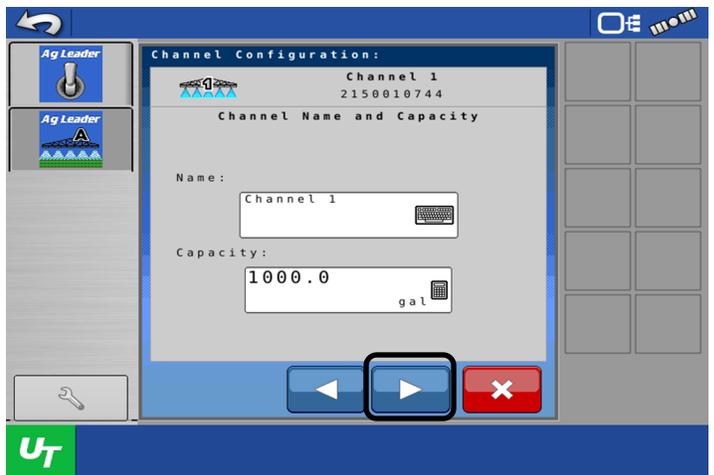
UT Setup for ISO Rate Control

UT Setup for ISO Rate Control



STEP 37

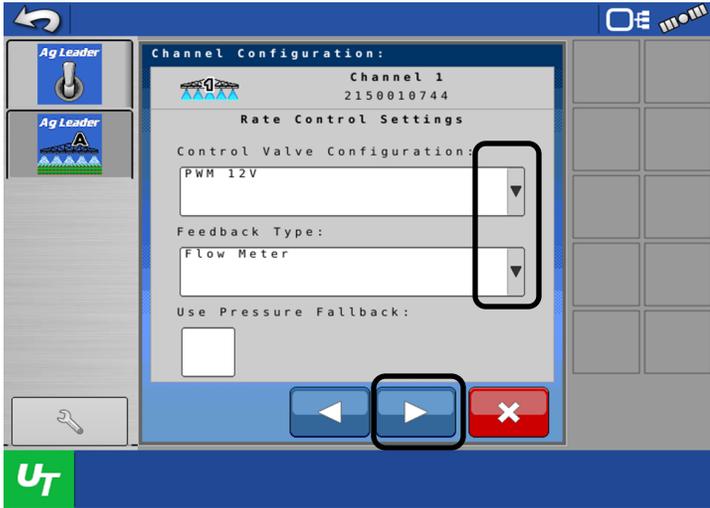
If using Direct Injection, select and setup as needed.
Refer to the AgLeader Operator's manual for further information.
Press  to continue.



STEP 38

Setup Channel Name and Capacity.
This is the supply Tank that will be used.
Example (Main Tank).
Press  to continue.

UT Setup for ISO Rate Control

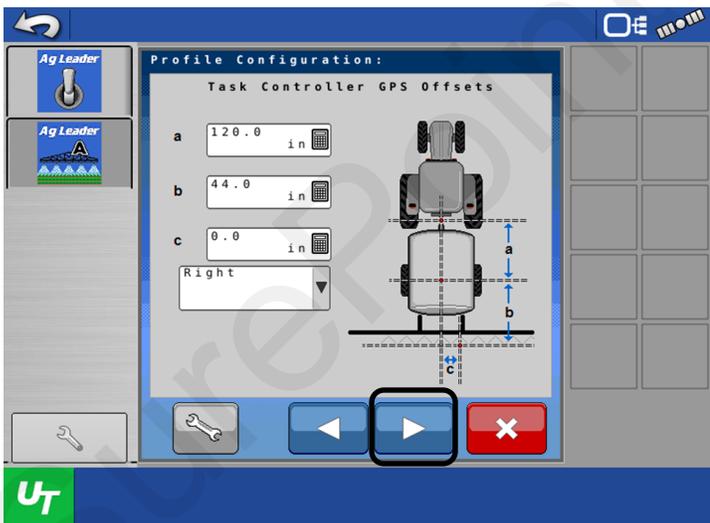


STEP 39

From the drop-down menu, select the correct Control Valve Configuration and Feedback Type for your operation. If using a SurePoint Pump, select PWM 12v. Feedback type will be set to Flow Meter.

Press  to continue.

UT Setup for ISO Rate Control

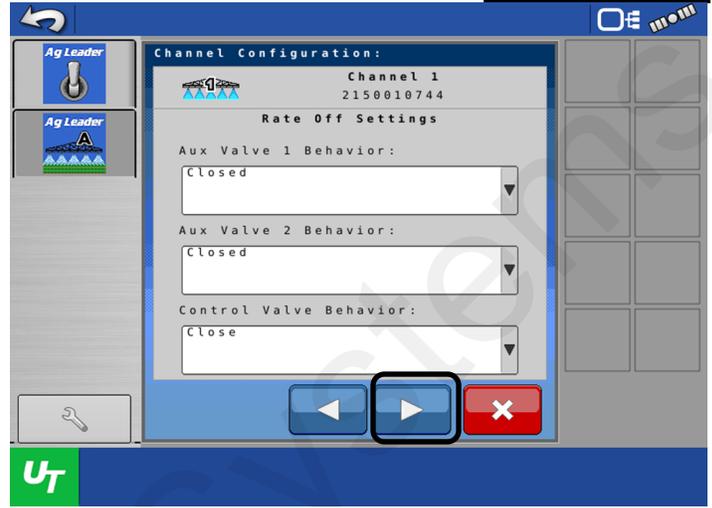


STEP 41

Enter GPS Offsets for Task Controller. With the use of a **tape measure**, get accurate measurements.

Press  to continue.

UT Setup for ISO Rate Control



STEP 40

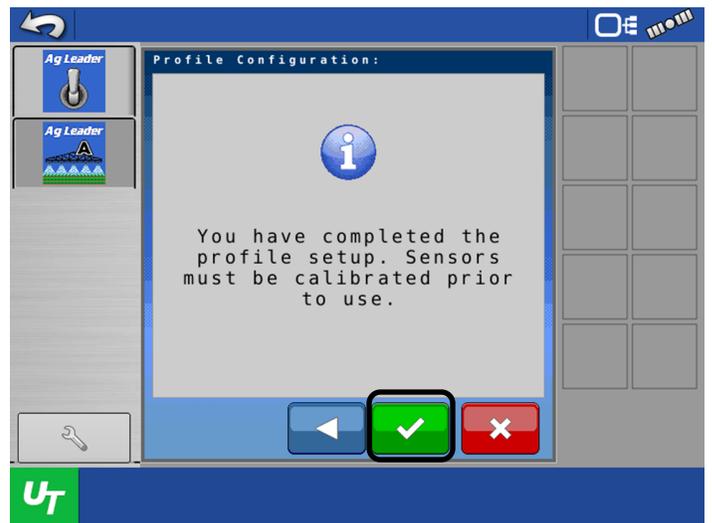
Valve Behavior:

For SurePoint systems, Aux Valve Behavior will be set to Closed, Control Valve behavior will be set to Closed.

Refer to the AgLeader Operator's Manual for explanation on valve settings.

Press  to continue.

UT Setup for ISO Rate Control



STEP 42

Press  to continue.

UT Setup for ISO Rate Control

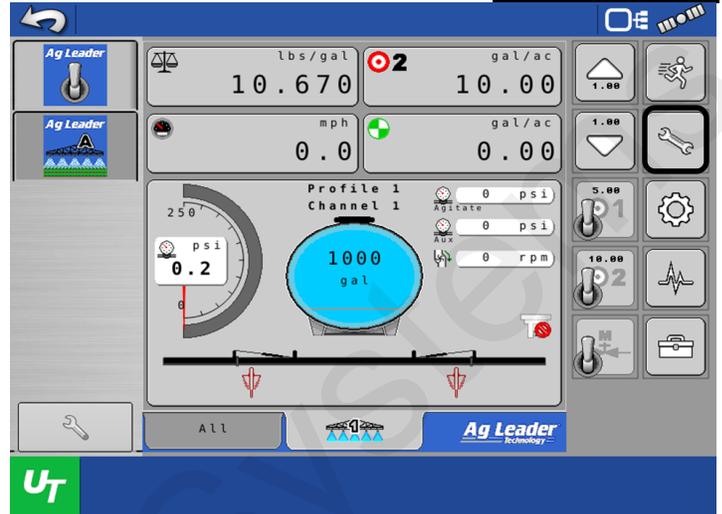
UT Setup for ISO Rate Control



STEP 43

The controller will reset.

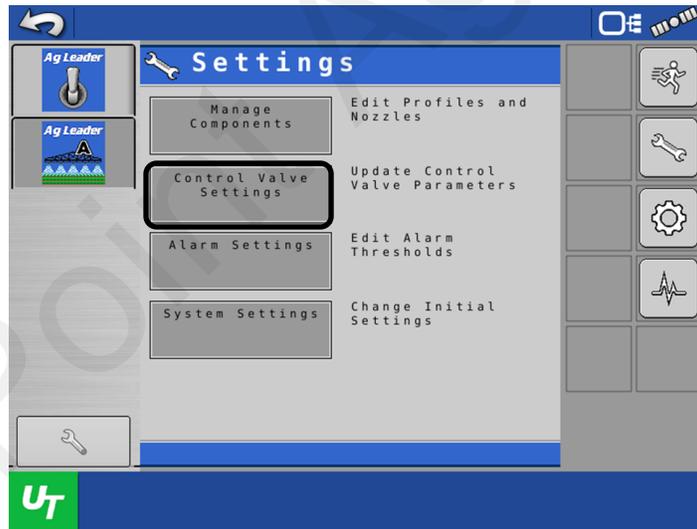
Press  to continue.



STEP 44

Press  to continue.

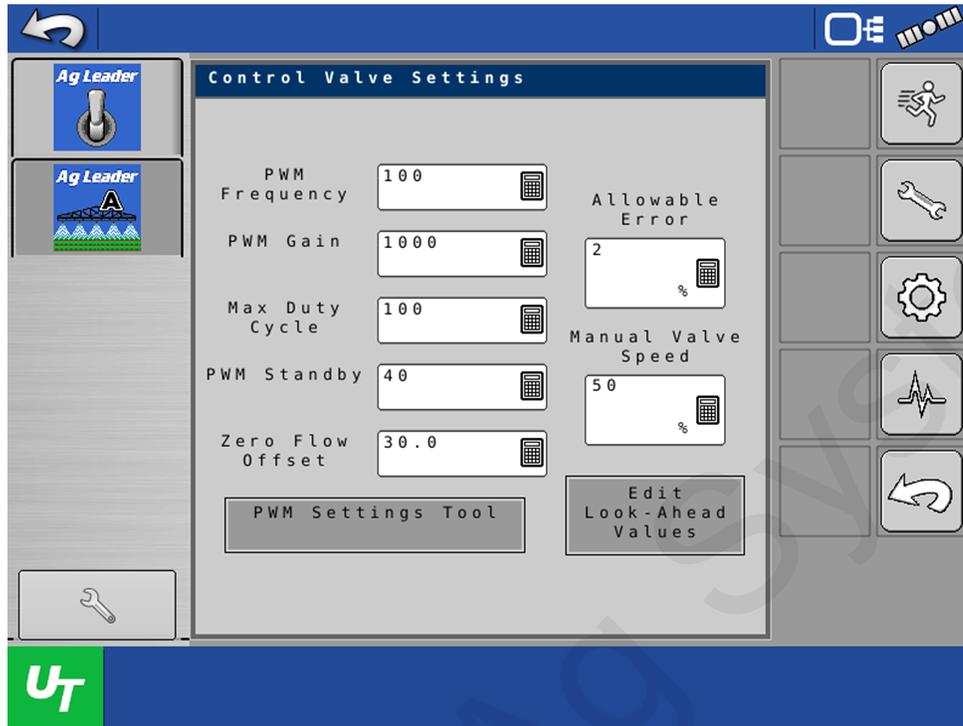
UT Setup for ISO Rate Control



STEP 45

Press .

UT Setup for ISO Rate Control



STEP 46

Change Settings as follows:

PWM Frequency	100
PWM Gain	9900
Max Duty Cycle	100
PWM Standby	10
Zero Flow Offset	10

*Zero Flow Offset is Low PWM Limit.
Lower this if pump will not go low enough.
Raise this to get to rate quicker on startup.*

**SurePoint
Tower
Settings**

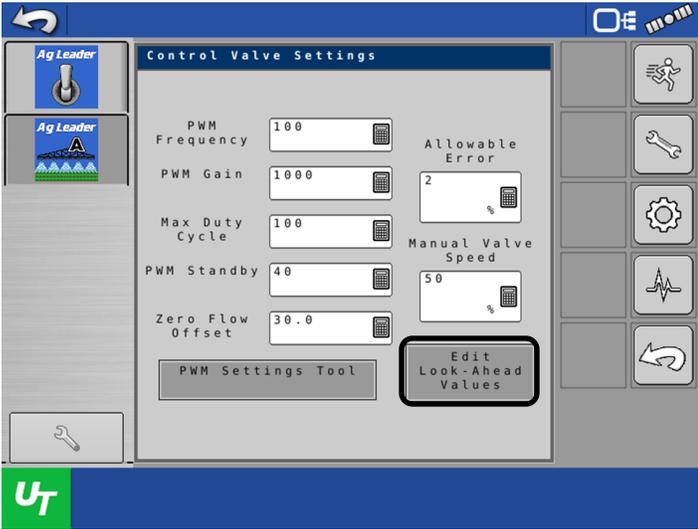
PWM Frequency	100
PWM Gain	800
Max Duty Cycle	100
PWM Standby	30
Zero Flow Offset	30

*Increase PWM Gain if pump is slow to adjust.
Decrease PWM Gain is pump will not lock onto
rate going across the field.
Zero Flow Offset is Low PWM Limit.
Lower this if pump will not go low enough.
Raise this to get to rate quicker on startup.*

**SurePoint PR Series
PumpRight
Hydraulic Pump
Settings**

UT Setup for ISO Rate Control

UT Setup for ISO Rate Control



STEP 47

STEP 48

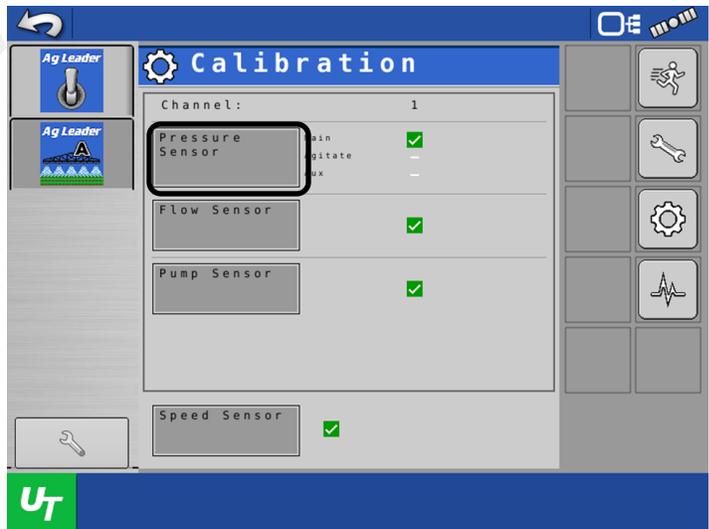
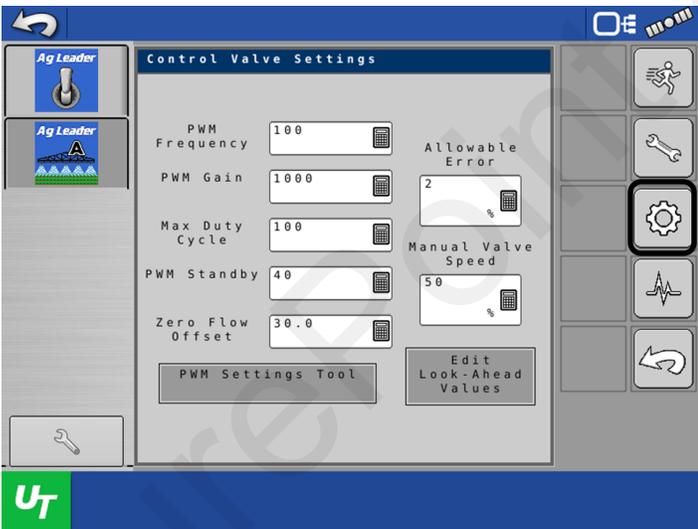
Press  to edit.

Adjust these settings as required. Refer to the AgLeader Operator's Manual for further information.

Press  To Continue.

UT Setup for ISO Rate Control

UT Setup for ISO Rate Control



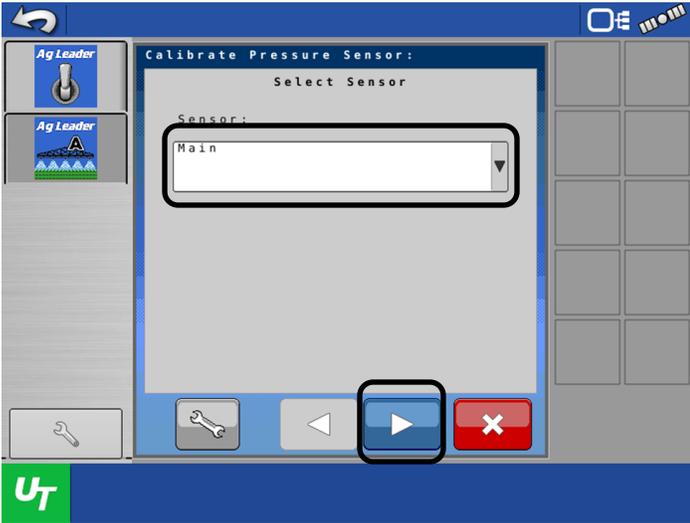
STEP 49

STEP 50

Press  to continue.

Press  to calibrate the Pressure Sensor.

UT Setup for ISO Rate Control

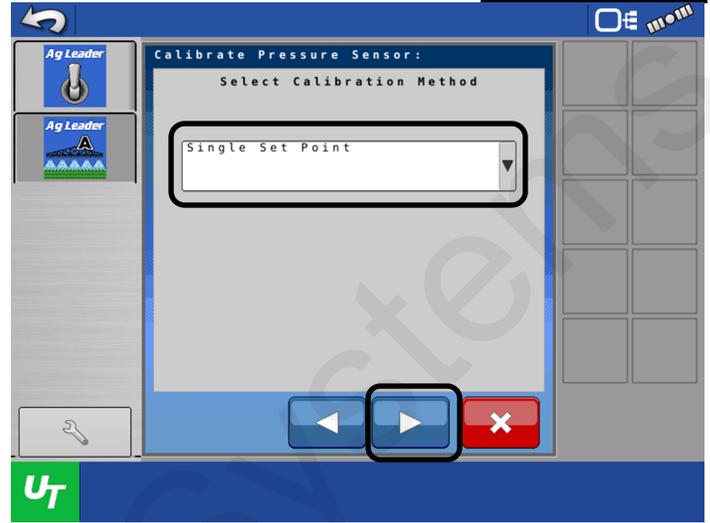


STEP 51

From the drop-down menu, select Main.

Press  to continue.

UT Setup for ISO Rate Control

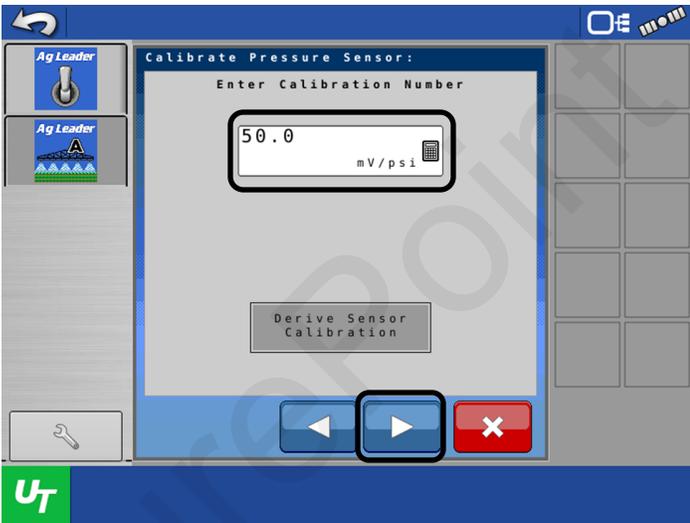


STEP 52

From the drop-down menu, select Single Set Point, if using a SurePoint Pressure Sensor.

Press  to continue.

UT Setup for ISO Rate Control



STEP 53

For a SurePoint Pressure Sensor, Enter 50.0 mV/psi as the Calibration Number.

Press  to continue.

UT Setup for ISO Rate Control

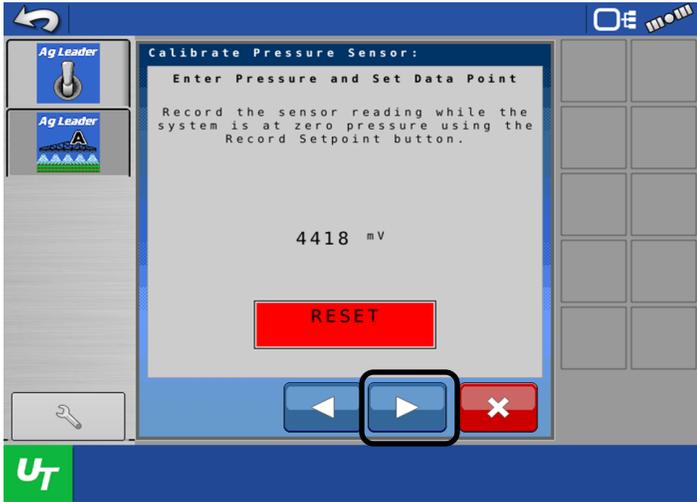


STEP 54

Ensure there is 0 psi on the system or unplug the Pressure Sensor.

Press .

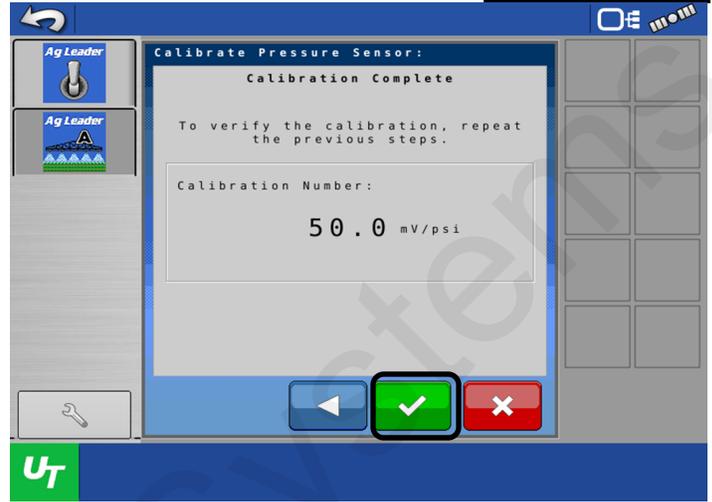
UT Setup for ISO Rate Control



STEP 55

Press  to continue.

UT Setup for ISO Rate Control



STEP 56

Pressure Sensor Calibration is complete.

Press  to continue.

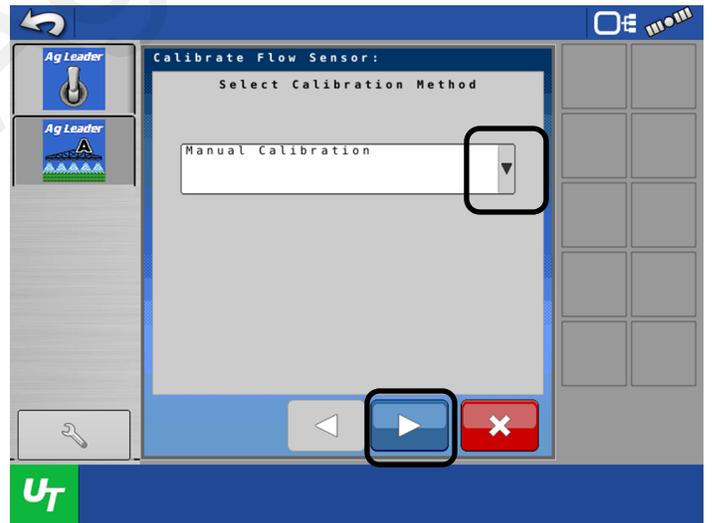
UT Setup for ISO Rate Control



STEP 57

Press  .

UT Setup for ISO Rate Control

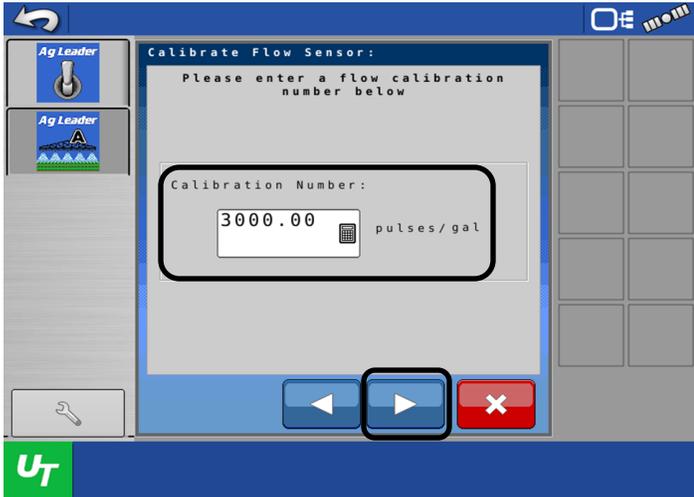


STEP 58

From the drop-down menu, select Manual Calibration.

Press  to continue.

UT Setup for ISO Rate Control



STEP 59

Enter the Calibration Number that is located on the side of the Flow Meter.

Press  to continue.

UT Setup for ISO Rate Control



STEP 60

Press  to go back and edit.

OR:

Press  to continue.

UT Setup for ISO Rate Control

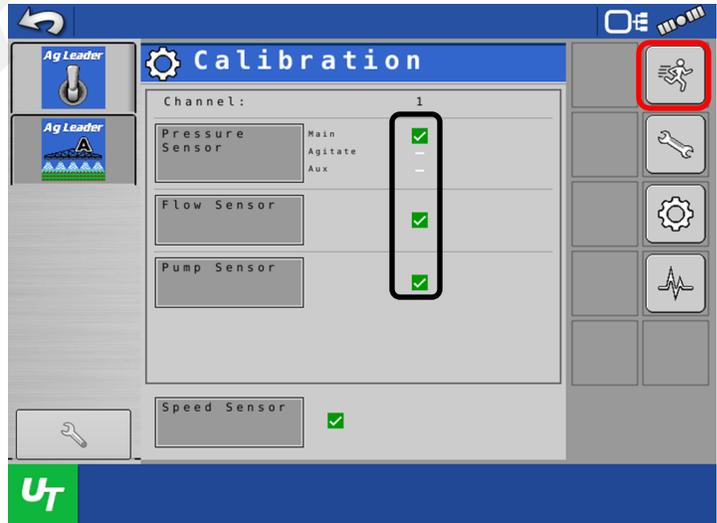


STEP 61

If the pump uses a Pump Speed Sensor, enter the Calibration Number for the sensor.

Press  to continue.

UT Setup for ISO Rate Control

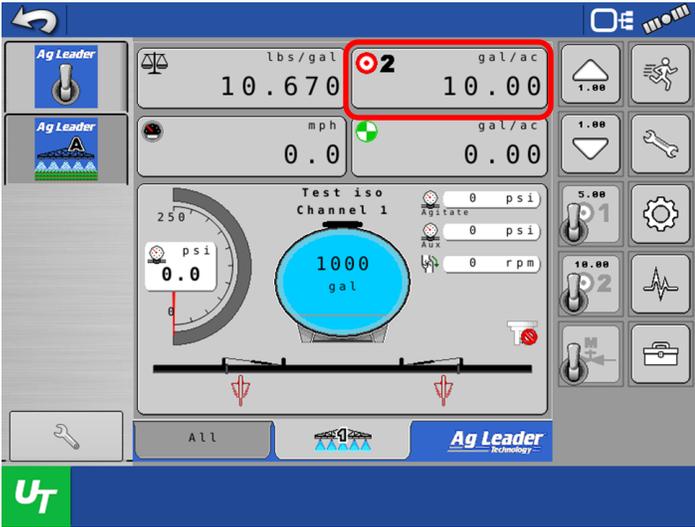


STEP 62

A  indicates all calibrations have been performed.

Press  to get to the Run Screen.

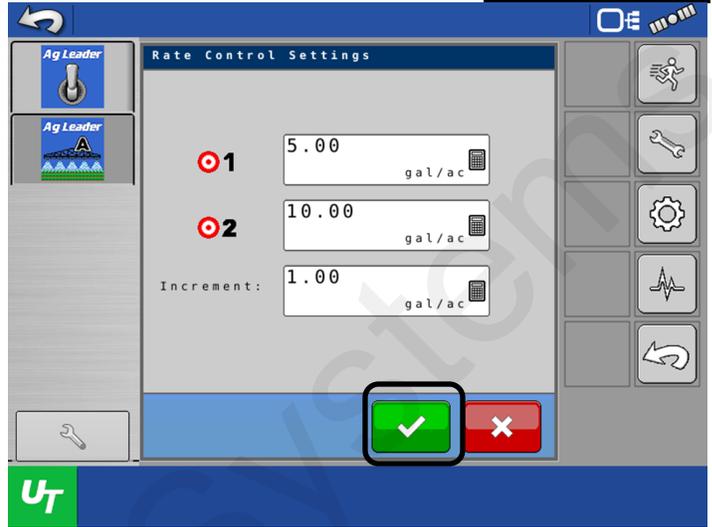
UT Setup for ISO Rate Control



STEP 63

Press  to set Target Rates.

UT Setup for ISO Rate Control

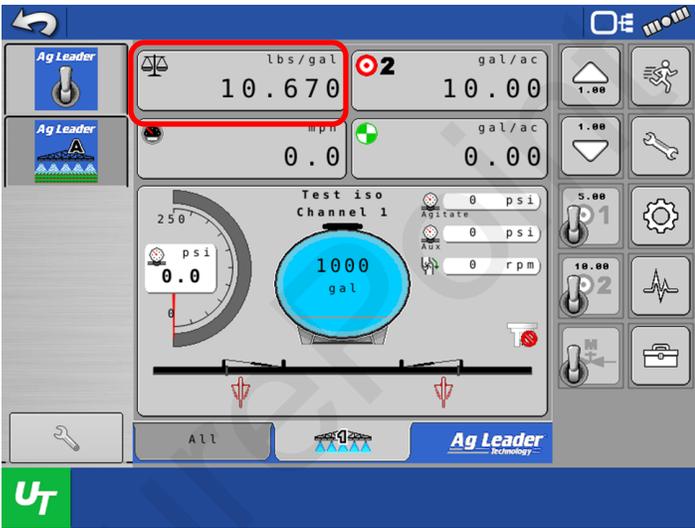


STEP 64

Enter Target Rates for your application needs. Set Increment for +/- GPA for manual increase.

Press  to continue.

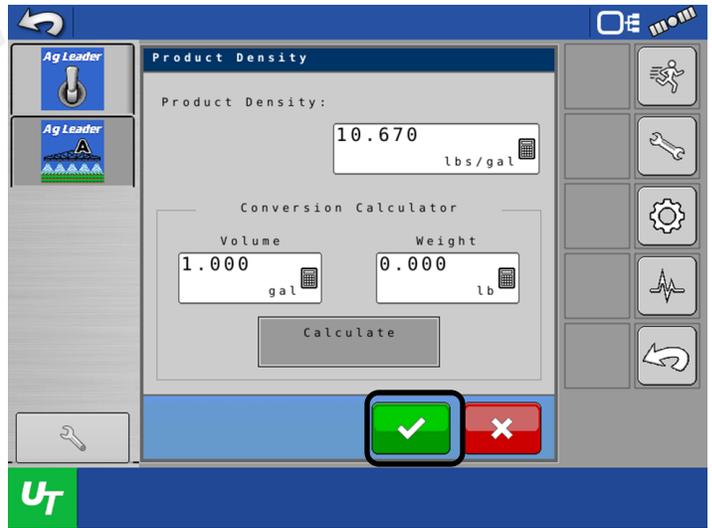
UT Setup for ISO Rate Control



STEP 65

Select  to edit Chemical Density.

UT Setup for ISO Rate Control

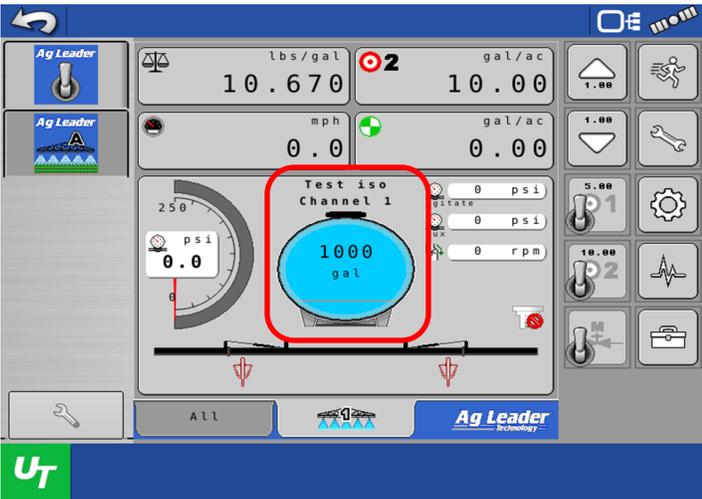


STEP 66

Enter information for your operation as needed.,

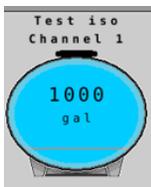
Press  to continue.

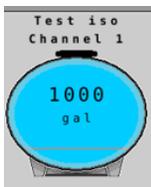
UT Setup for ISO Rate Control



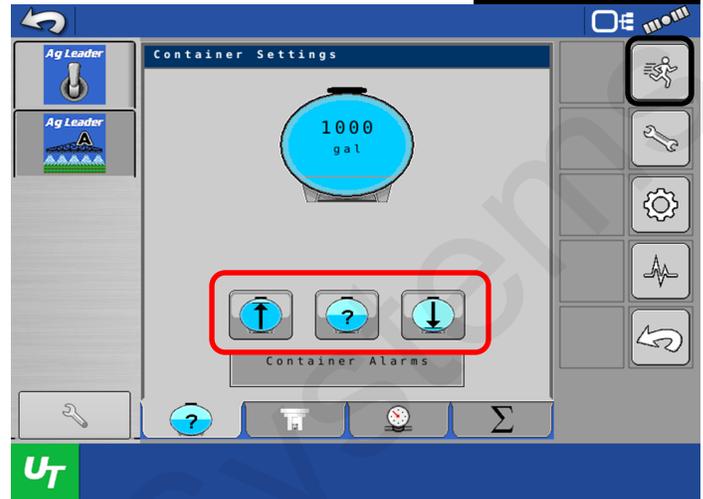
STEP 67

Tank Level information.



Press  to adjust tank level.

UT Setup for ISO Rate Con-

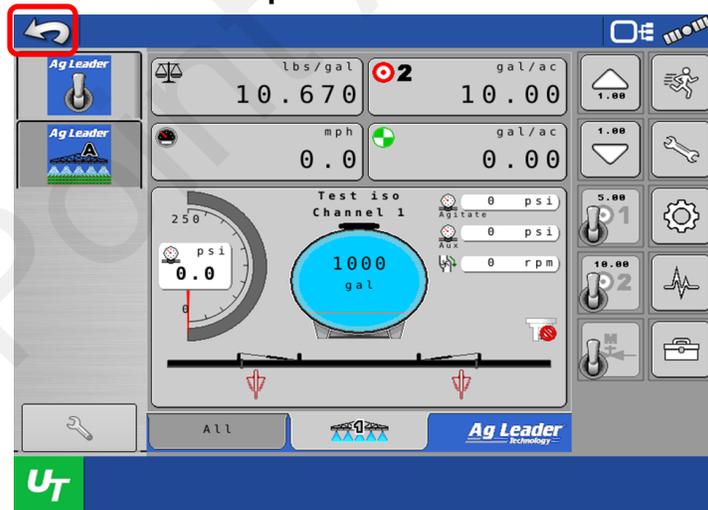


STEP 68

Use these settings  to adjust your tank level. Refer to the AgLeader Operator's Manual for further information.

Press  to get to the Home Run Screen.

UT Setup for ISO Rate Control

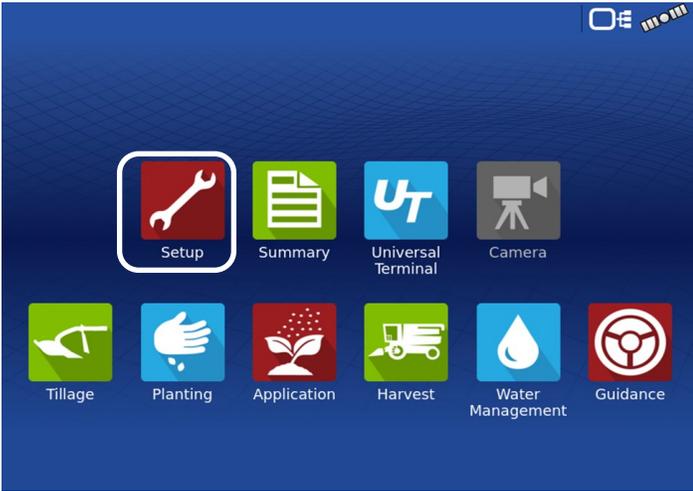


STEP 69

AgLeader Auxiliary Switch configuration will need to be setup per the Switch configuration that is required. Refer to AgLeader Auxiliary Switch operation manual for your model of switch. Proceed to Application Setup.

Press  to get back to the Main AgLeader Screen.

Configuration Setup

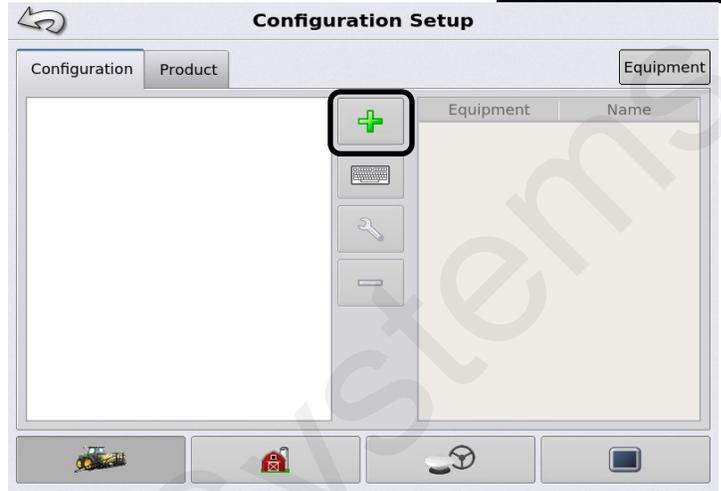


STEP 70

Press Setup to begin



Configuration Setup

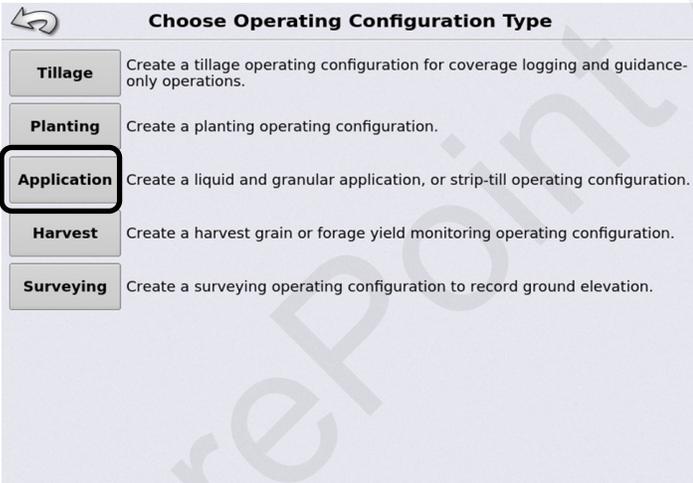


STEP 71

This page should be the default screen.

Press the  Symbol.

Configuration Setup



STEP 72

Select Application



Configuration Setup



STEP 73

If using an existing Vehicle, select it from the drop-down menu.

If creating a new vehicle, press .

Configuration Setup

Vehicle Wizard: Make and Model

Vehicle Type
Front wheel steer tractor

Make
John Deere

Model
8130

Navigation buttons: Back, Next (highlighted), Cancel

STEP 74

Use the drop-down menu to fill in the correct information for the Vehicle that you will be using.

When completed, press  to continue.

Configuration Setup

Vehicle Wizard: Attachment Points

Enter Distance from Rear Axle to the Following Locations

Rear Drawbar 24 in

Rear Lift Arms 0 in

Front Lift Arms 0 in

Navigation buttons: Back, Next (highlighted), Cancel

STEP 75

Attachment Points: Select the appropriate attachment point and enter the distance from the axle to your location.

Press  to continue.

Configuration Setup

Vehicle Wizard: Antenna Offsets

27.559 in Fore

0 in Right

127.953 in High

Navigation buttons: Back, Next (highlighted), Cancel

STEP 76

Antenna Offsets: Confirm antenna location and measurements for your vehicle.

Press  to continue.

Configuration Setup

Vehicle Wizard: Vehicle Name

Enter Vehicle Name

John Deere 8130

Navigation buttons: Back, Next (highlighted with checkmark), Cancel

STEP 77

Vehicle Name: This should be the vehicle that was previously setup.

Press  to continue.

Configuration Setup

STEP 78

Vehicle: Confirmation of vehicle selection.

Press  to continue.

Configuration Setup

STEP 79

Select Implement: Use the drop-down menu to select an existing Implement.

Press  to select a new Implement.

Press  to continue.

Configuration Setup

STEP 80

Make and Model: Select Make.

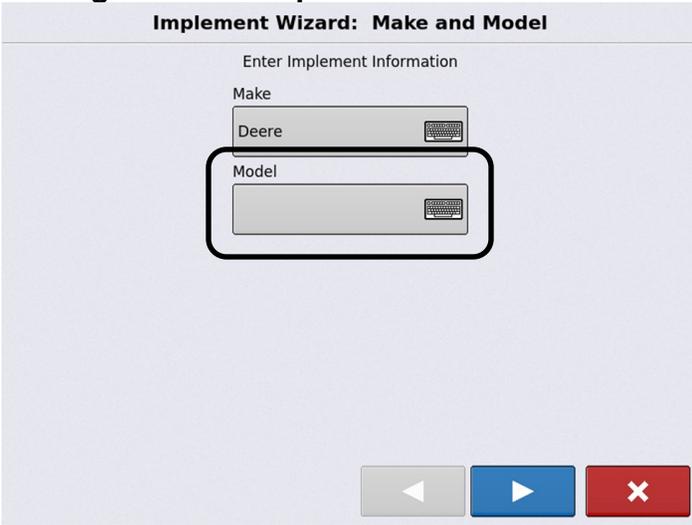
Configuration Setup

STEP 81

Enter Make of your Implement.

Press  to continue.

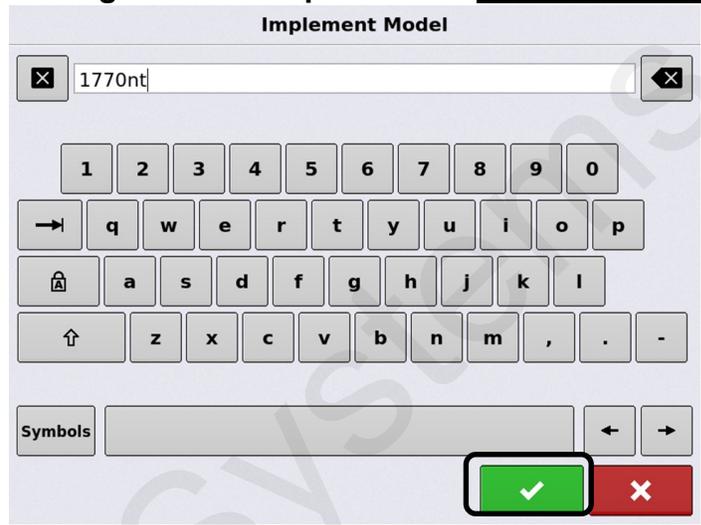
Configuration Setup



STEP 82

Make and Model: Select Model.

Configuration Setup



STEP 83

Implement Model: Enter the Model of your Implement.

Press  to continue.

Configuration Setup



STEP 84

Make and Model: This confirms the Implement settings.

Press  to continue.

Configuration Setup



STEP 85

Attachment Type: Use the drop-down menu to select the Implement Attachment Type.

Press  to continue.

Configuration Setup

Implement Wizard: Axle Offsets

Enter Hitch to Implement Axle Distance

10 ft

Navigation buttons: Back, Forward (highlighted), Cancel

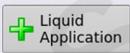
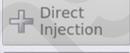
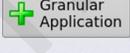
STEP 86

Axle Offsets: Enter correct measurements.

Press  to continue.

Configuration Setup

Implement Wizard: Application Channels

Buttons:  Liquid Application,  Direct Injection,  Granular Application, Edit Container, Remove

Navigation buttons: Back, Forward (highlighted), Cancel

STEP 87

Application Channels.

Select  to proceed.

Configuration Setup

Equipment Setup Wizard: Rate Controller

Select Application Rate Controller

No Controller 

Navigation buttons: Back, Forward (highlighted), Cancel

STEP 88

Rate Controller.

Press  to continue.

Configuration Setup

Controller Setup Wizard: Device

Select Controller or Flow Meter

Device

ISOBUS

Navigation buttons: Back, Forward (highlighted), Cancel

STEP 89

From the Device drop-down menu, select ISOBUS.

Press  to continue.

Configuration Setup

Controller Setup Wizard: Make and Model

Select Controller Make and Model

Make
Ag Leader

Model
ISO Liquid Control

Supports Rate Control

Navigation buttons: Back, Forward, Cancel

STEP 90

From the drop-down menu, select **Make:** AgLeader, **Model:** ISO Liquid Control, and check Supports Rate Control.

Press  to continue.

Configuration Setup

Controller Setup Wizard: Controller Name

Controller Name
ISO Liquid

Navigation buttons: Back, Confirm, Cancel

STEP 91

This confirms your controller selection. Change the name of the controller, if needed.

Press  to continue.

Configuration Setup

Equipment Setup Wizard: Application Channels

Number of Application Channels
1

Navigation buttons: Back, Forward, Cancel

STEP 92

Set to 1 for only one ISO Controller.

Press  to continue.

Configuration Setup

Equipment Setup Wizard: Container

Container Name	Capacity	Units
Main Tank	0	gallons

Navigation buttons: Back, Forward, Cancel

STEP 93

Container: Name your chemical container, enter Capacity and Units.

This should match settings that were previously setup in the UT setup.

Configuration Setup

Equipment Setup Wizard: Container

Container Name	Capacity	Units
Main Tank	1000	gallons

Navigation buttons: [Left Arrow] [Right Arrow] [Close X]

STEP 94

Press  to continue.

Configuration Setup

Number of Boom Sections

Original Value: 1

Input field:

Keypad: 7, 8, 9, 4, 5, 6, 1, 2, 3, 0, ., +/-

Navigation buttons: [Checkmark] [Close X]

STEP 95

Number of Boom Section: Enter the number of boom sections being used. This should match settings that were previously set in the UT Setup.

Press  to continue.

Configuration Setup

Equipment Setup Wizard: Sections

Enter Number of Boom Section Valves

Input field:

Navigation buttons: [Left Arrow] [Right Arrow] [Close X]

STEP 96

Sections: Confirm Number of Boom Section Valves.

Press  to continue.

Configuration Setup

Equipment Setup Wizard: Swath Width

Enter Full Swath Width

Input field:

TIP: For tillage implements, enter the working swath width (actual implement width minus the typical overlap). This results in a more accurate area calculation.

Navigation buttons: [Left Arrow] [Right Arrow] [Close X]

STEP 97

Enter Full Swath Width for your implement.

Press  to continue.

Configuration Setup

Equipment Setup Wizard: Section Configuration

Enter Boom Section Widths from Left to Right

Section	Swath Width (ft)
1	10.0000
2	10.0000

TIP: The implement is divided into equal section sizes by default. To modify the sections, press the keypad button for each section that needs to be changed.

Navigation buttons: [Left Arrow] [Right Arrow] [X]

STEP 98

Confirm Swath Width per Section, edit, as needed.

Press  to continue.

Configuration Setup

Equipment Setup Wizard: Application Point Offset

Enter Distance from Hitch to Application Point (front to back)

0 ft

Navigation buttons: [Left Arrow] [Checkmark] [X]

STEP 99

Enter Hitch to Application Point
Use a tape measure to obtain the correct measurement.

Press  to continue.

Configuration Setup

Offset

Original Value: 0 ft

12

Keypad: 7, 8, 9, 4, 5, 6, 1, 2, 3, 0, ., +/-

Navigation buttons: [Checkmark] [X]

STEP 100

Press  to continue.

Configuration Setup

Implement Wizard: Application Channels

Device	AGL Sprayer(2)
Application	Liquid
Swath Width (ft)	20
Number of Sections	2
Capacity (gallons)	20

Buttons: Liquid Application, Direct Injection, Granular Application, Edit Container, Remove

Navigation buttons: [Left Arrow] [Right Arrow] [X]

STEP 101

Confirmation page.

Press  to continue.

Configuration Setup

Implement Wizard: Hitch Point Configuration

Enter Hitch Point Information

Implement Provides a Rear Hitch

Enter Left or Right Distance
 to the left

Enter Forward or Backward Distance

Enter the left or right offset and the forward or backward distance from the point the implement connects to a vehicle to the implement's hitch point.

STEP 102

Enter Hitch Point Information, as needed.
 Press to continue.

Configuration Setup

Implement Wizard: Implement Name

Enter Implement Name

STEP 103

Confirm Implement name.
 Press to continue.

Configuration Setup

Operating Configuration: Implement

Select Implement

Equipment	Name
Implement	Deere 1770nt
Device	AGL Sprayer
Container	Main Tank

STEP 104

Confirm settings.
 Press to continue.

Configuration Setup

Operating Configuration: Speed Source

Primary Source

Backup Source

Auxiliary Device Channel

Auxiliary Channel Calibration

 Pulses / 100 ft

STEP 105

Confirm Speed Source.
 Press to continue.

Configuration Setup



STEP 106

Confirm Configuration Name, edit if needed.

Press  to continue.

Configuration Setup



STEP 107

Check Vehicle Offsets, and Speed Input.

Select .

Configuration Setup

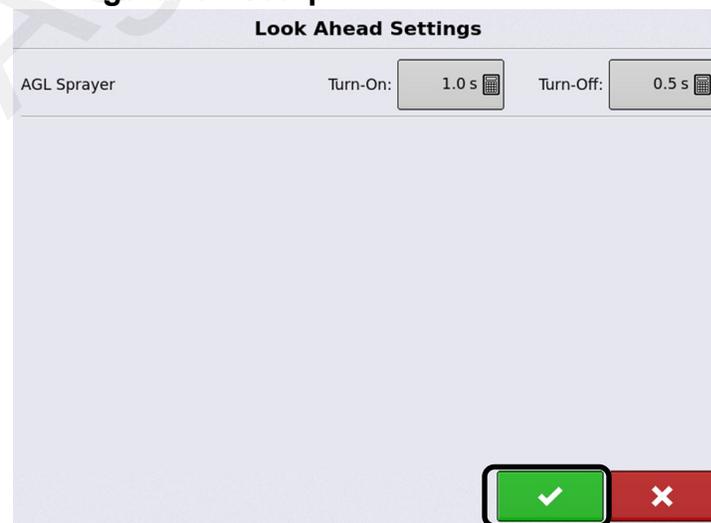


STEP 108

Select Outside Boundary Option for your operational needs.
 Select Coverage Options for your operational needs.

Select .

Configuration Setup



STEP 109

Set Turn-On and Turn-Off times, as needed.

Press  to continue.

Configuration Setup

Configuration Setup

Vehicle: John Deere 8130

Implement: Deere 1770nt

Controller: AGL Sprayer

Full Swath: 20 ft

Sections: 2

Device: ISOBUS

Make: Ag Leader Technology, Inc.

Structure Label: AGL1977

Buttons: Vehicle Offsets, Speed Input, Auxiliary Input, Automatic Swath Control, Equipment Settings, Offsets

Confirmation: [Green Checkmark]

STEP 110

Select .

Configuration Setup

Equipment Configuration Settings

Rate Outside of Field: Zero

Rate Change Look-Ahead: 0 sec

Implement Switch Polarity: None

Rate Display Smoothing

Buttons: [Green Checkmark], [Red X]

STEP 111

Refer to the operator's manual for further information on these settings.

Press to continue.

Configuration Setup

Configuration Setup

Configuration | **Product** | Equipment

Application: John Deere 8130, Deere 1770nt

Equipment List:

Equipment	Name
Vehicle	John Deere 8130
Implement	Deere 1770nt
Device	AGL Sprayer
Container	Main Tank

Buttons: +, Keyboard, Wrench, -

STEP 112

Build or select a product.

Select to continue.

Configuration Setup

Configuration Setup

Configuration | **Product** | Equipment

Application: 28% UAN, 30% UAN, 32% UAN, Amm. Polyphos, NH3

Manufacturer: [Red Boxed +]

Type: [Keyboard icon]

Units: [Wrench icon]

Restricted Use: [Red Boxed -]

EPA Number: [Red Boxed -]

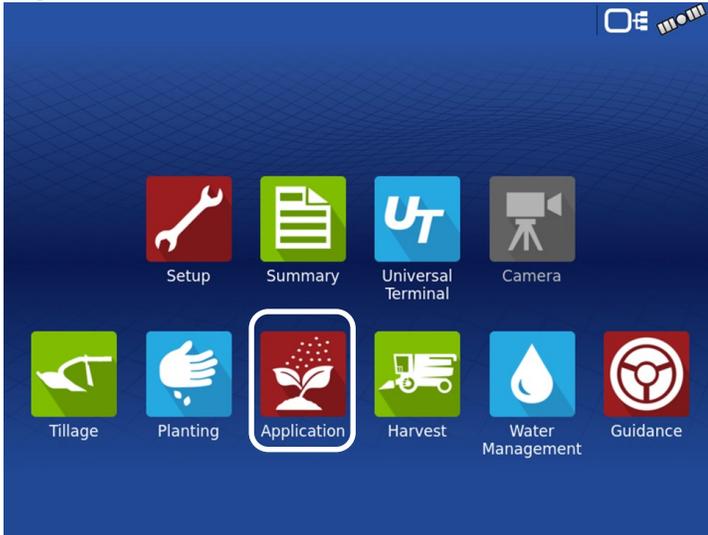
Fertilizer gallons: No

STEP 113

Choose an existing product or select the to create a new product.

Select to continue.

Operation



STEP 114

Setup and UT have been completed. It is time to start applying.

Press  to begin.

Operation



STEP 115

This page will confirm the application Vehicle, Implement, Controller and Container that will be used for the application method.

Press  if changes need to be made.

Press  to continue.

Operation



STEP 116

Confirm all information is correct.

Press the  to edit, if all information is correct.

Press  to continue.

Operation



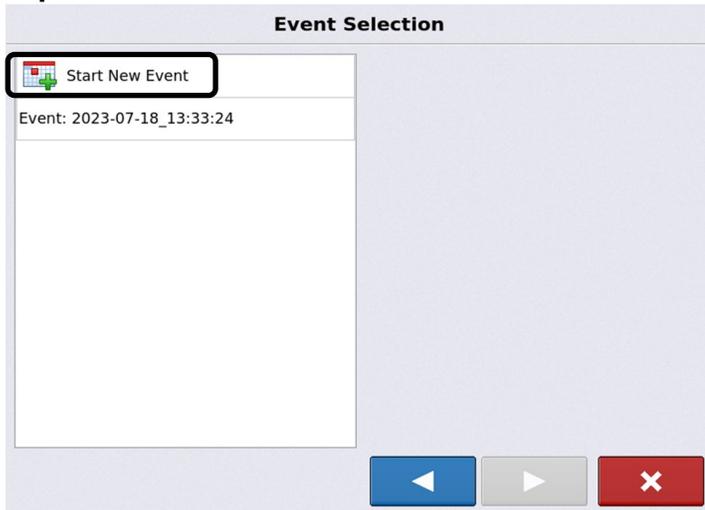
STEP 117

Ensure the correct Product and Boom Section

are correct. Use the drop-down menu or  to make changes.

Press  to continue.

Operation



STEP 118

Press  to begin application.

Operation



STEP 119

Press  to continue.

Operation



STEP 120

Confirm that this information is correct.

Press  to continue.

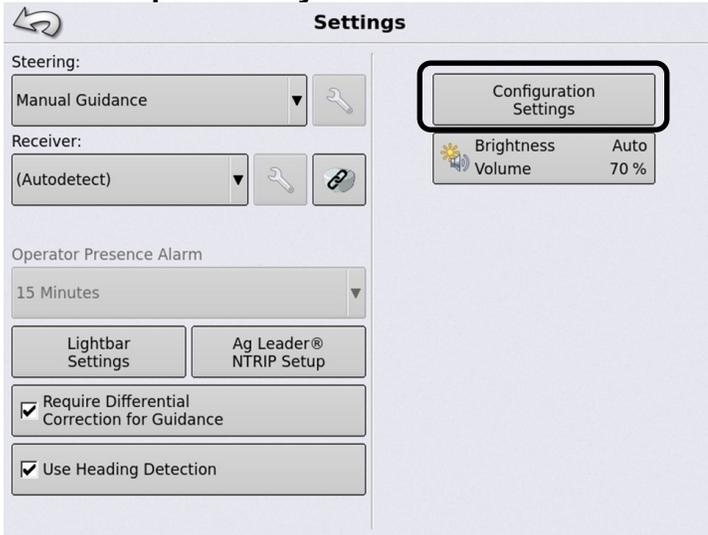
Operation



STEP 121

Turn on Master Switch, Select Rate, Turn on Section Control  and begin applying. If a manual speed is needed for testing, press  and select **Settings**.

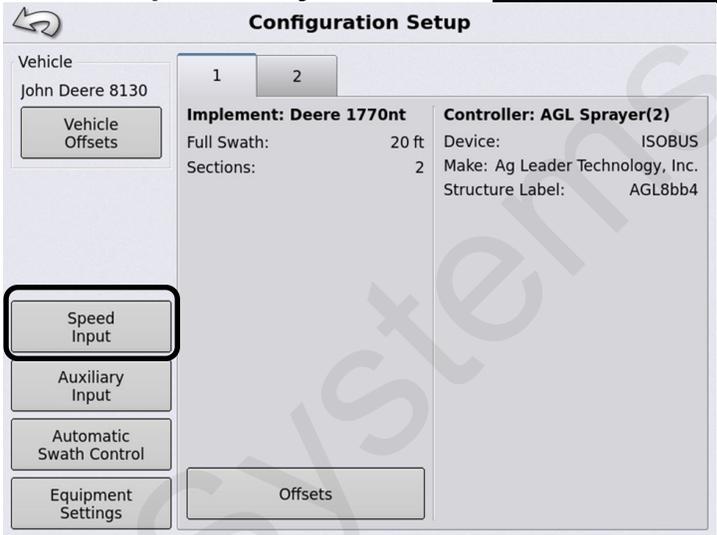
Manual Speed Entry



STEP 122

Select 

Manual Speed Entry



STEP 123

Configuration Setup.
Select 

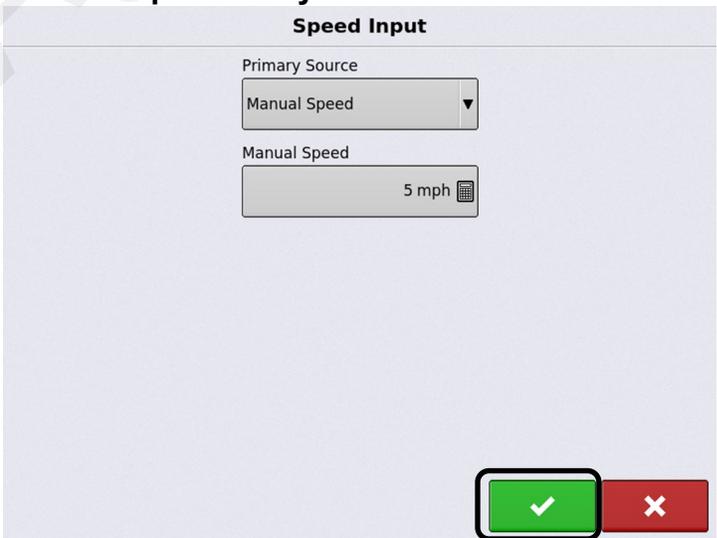
Manual Speed Entry



STEP 124

Select  use the drop-down menu.

Manual Speed Entry



STEP 125

Speed Input:
Select Manual Speed and enter a Manual Speed MPH.
Press  to continue.

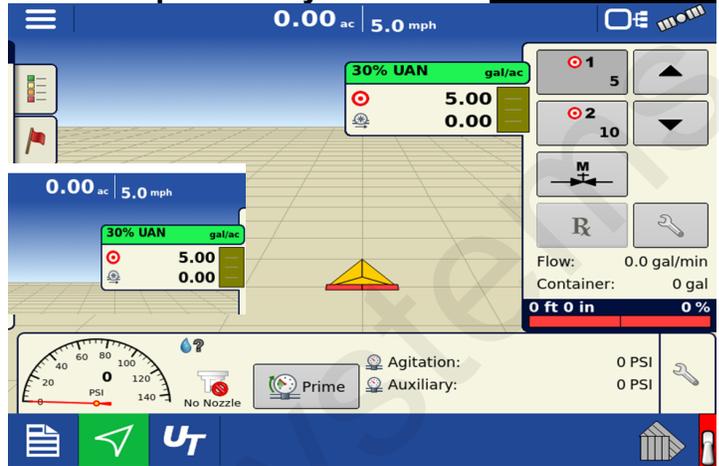
Manual Speed Entry



STEP 126

Select  to return to Application Screen.

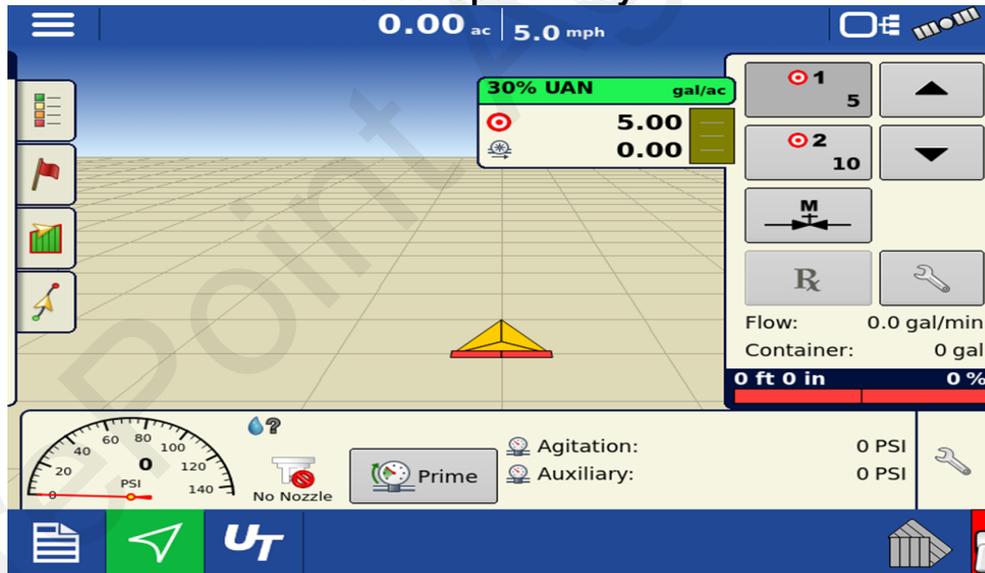
Manual Speed Entry



STEP 127

There is now a test speed of 5 mph. We can effectively test the system while being stationary. Refer to the operator's manual or contact an AgLeader dealer for additional information.

Manual Speed Entry



STEP 128

Go back to Settings < Configuration Settings < Speed Input < Primary Source

Change Primary Source setting from Manual Speed to Display GPS for normal operation.