

Activations

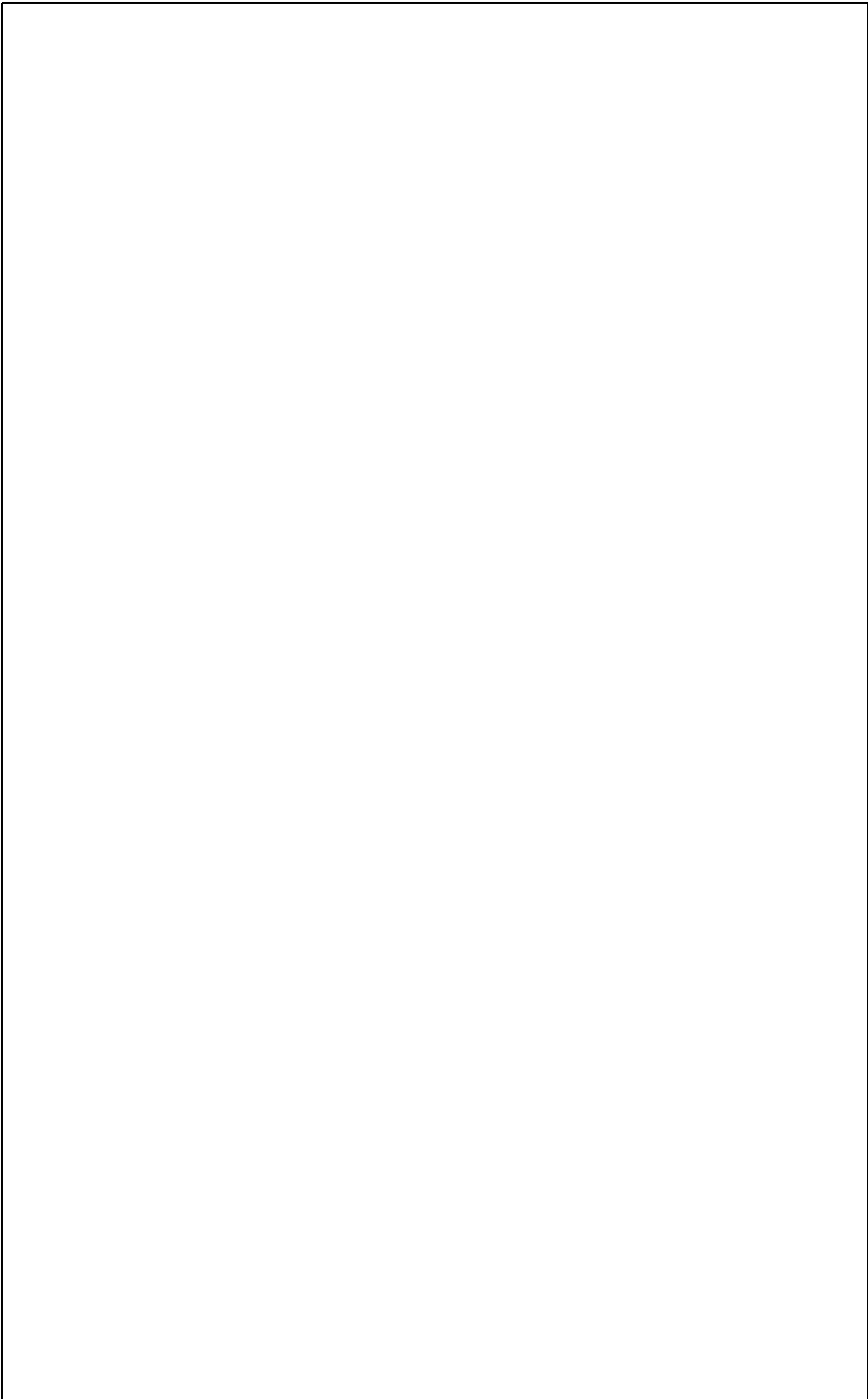
- ❖ Set date and time prior to entering Activation codes to ensure the Activations will be acknowledged.

Data Transfer

- ❖ Apex (version 3.2 or newer) is required to transfer data and setup information to a GS3 2630 from a different model of GreenStar™ display. Due to different file types, data will not load when transferred directly between different display models.
- ❖ Coverage and John Deere Section Control Maps cannot be transferred from a different John Deere Display model.

User Guide

- ❖ This User Guide is intended to assist the operator with common operations. See the Operator Manual for detailed information.





GreenStar™ 3 2630 Display



About This Document

This User Guide will help you learn how to perform common tasks with your John Deere. It is a supplement to the controller Operator's Manual.

Read the Operator's Manual for the following information:

- How to operate your controller safely
- Theory of operation
- Initial setup
- Diagnostics

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Turning the Display On/Off

The display will turn on and off with the vehicle key switch.

Turn ON the display

1. Turn vehicle key switch directly to the Run position.

IMPORTANT: Do NOT allow the display to boot up with the key in Accessory Mode and then crank the engine.

NOTE: Implement controllers may take several minutes to load (if connected).

Turn OFF the display

1. Turn vehicle key switch to shut down vehicle and wait for the display to save settings.

IMPORTANT: Never pull the power plug without first turning off the vehicle key switch. Data loss could occur.

NOTE: The display requires a constant power source, so that it can save data and settings to permanent memory after the key is switched off. The Status LED is amber while the display saves data and settings.

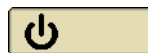
Putting the Display in Standby

Use Standby mode only when the display is not being used for any operations. Standby mode will dim the display, mute tracking tones, suppress GPS alerts, and signal some implements to go into Standby mode.

1. **Menu**



2. **Standby**



NOTE: The Steer On button must be pressed after Standby has been on to use AutoTrac.



Saving Settings and Data

Documentation data is saved continuously to permanent memory as it is recorded. Guidance lines are saved when the field setting is changed. Map data and some settings are saved only when the display is powered down or a data backup is performed.

Option 1. Turn the vehicle key switch to shut down vehicle and wait for the Status LED to turn black.

Option 2. Insert a USB and Backup data.

Common Buttons

Accept






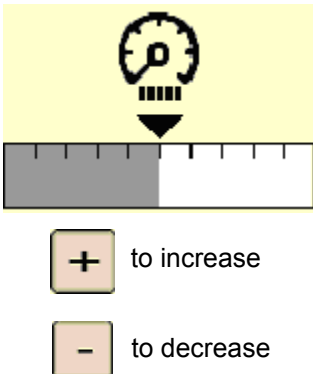
Cancel



Display Settings

Brightness

This function allows the operator to adjust the brightness of the display.

1. **Menu** 
2. **Display Menu** 
3. **Display Softkey** 
4. Adjust the brightness 

Day / Night Mode

Allows operator to quickly change screen with one button push.

- Toggle** to switch 

Volume

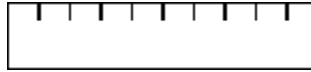
This function allows the operator to adjust the volume of the display.

1. **Menu** 
2. **Display Menu** 

3. **Display** Softkey



4. Adjust the brightness



to increase



to decrease

Language

1. **Menu**



2. **Display Menu**



3. **Global Settings**



4. **Regional Tab**



5. Two ways to change language:

- Choose preferred country in the country drop box.
- Choose preferred language in the language drop box.

Units

1. **Menu**



2. **Display Menu**



3. **Global Settings**



4. **Regional Tab**




5. Under the units drop box, choose one of the following:





- Metric
- Imperial
- US



Home Page Setup

The Layout Manager allows the operator to create user-defined Homepages.

- 1. **Menu** 

- 2. **Layout Manager** 
- 3. Choose the preferred layout.
- 4. Press each section to configure:
 - **Enter** if satisfied 
 - **Clear** to start over 
- 5. **Home** to show configuration 


NOTE: The Original GreenStar Display emulator is only available with Options A and F. Advanced Performance Monitor is only available as a full page.


User Access

Almost all of the functions on the display can be locked for the operator to simplify the user experience and reduce accidental settings changes. Once functions are locked for “Operator Mode”, a password is required to enter “Owner Mode” and access those functions. Read the Operator Manual for password information.




Lock or Unlock Functions

NOTE: Must be in Owner Mode to lock or unlock functions.

1. **Menu** 

2. **Access Manager** 

3. Select functions to lock out in the list


- 4. Select “+”  to expand a list
- 5. Select the “unlocked” icon  to lock a setting
- 6. Select the “locked” icon  to unlock a setting




NOTE: A gray lock means that only some of the sub-functions are locked.



7. Select **Accept** to save changes..... 

8. Select **Operator Mode** for functions to be locked. 


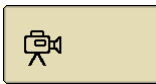
Locked functions will have a small lock appear over them when in Operator Mode. 

Video

The display is capable of displaying video from one camera. Read the display Operator Manual for more information.

CAUTION: Do not rely on a camera for collision avoidance or bystander detection. To avoid possible injury or death to operator or others, always remain alert and aware of surroundings when operating the machine. Read and understand AVOID BACKOVER ACCIDENTS in the safety section of the Operator Manual.




Viewing Video (Option 1)

1. *Menu* 
2. *Video* 

Viewing Video (Option 2)

1. Set up as a full page Homepage using Layout Manager.

Adjusting Video Image Quality

- Increase Contrast 
- Decrease Contrast 
- Mirror Image 

Mirroring an image exchanges what is seen on the left and right sides of the image like a rear view mirror. The camera or the display could mirror the image. Check whether the image is mirrored before using the Video feature.

IMPORTANT: Correctly understand whether the camera is “mirrored” and whether the video application is mirrored.

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Getting Started



Access GreenStar Applications

All information and functionality related to GreenStar applications is accessed with the GreenStar Softkey.

1. **Menu** 
2. **GS3** 

GreenStar Activations

Activations are required for GreenStar applications other than Manual Guidance and Documentation. Check the Activations page to see if an Application is Activated and checked ON.

1. **Menu** 
2. **GS3** 
3. **GreenStar** Softkey 
4. **Activations** Tab 

Easy Tip!! Uncheck demo activations that are not used to hide buttons associated with those activations throughout the display. The fewer buttons on each screen, the easier the display is to use.



What Needs to Be Set Up

The amount of setup information that must be entered depends on the operation and the amount of information to be documented. A Setup Wizard is available to guide you through each setup page depending on the operations you specify. GreenStar applications can also be set up by accessing the setup pages individually.

Summary of Setup Pages



- **Farm Resources and Conditions**
 - **Farm Resources Field Name** – Setup is necessary to use Documentation features (e.g., prescription maps, as-applied maps, and yield maps) or to categorize guidance lines by field. Field names must also be used with coverage mapping and Section Control if operating in fields more than 4.9 miles apart.
 - **Conditions** – Enter information about weather, crop, and soil.
 - **Notes** – Enter notes about the Task.



- **Equipment**
 - **Machine Tab**
 - **Machine Name** – Machine information is saved by the name.
 - **Connection Type** – Required for accurate mapping.
 - **Machine Offsets** – Often required to improve guidance or mapping accuracy.
 - **Recording Source** – Select the trigger to turn map and Documentation recording on / off.
 - **Implement 1 Tab**
 - **Implement Type Information**
 - **Implement Offsets** – Required for accurate mapping, Section Control and Implement Guidance.
 - **Implement Width** – Required for mapping.
 - **Implement 2 and 3 Tabs** – Available for operations with additional implements such as an air cart.

- **Documentation** – Enter information to be documented about operations such as planting, Product Application, or Harvest. Also set up as-applied or yield mapping.



Using the Setup Wizard

The Setup Wizard guides the user to the setup pages that are required based on the options that are checked. The Setup Tab only needs to be used for this purpose.

1. **Menu**



2. **GS3**



3. **GS3 Softkey**



4. **Setup Tab**

Setup	Summary	Activations	Memory
What settings do you want to change?			
Resources	<input checked="" type="checkbox"/>	iTEC Pro	<input type="checkbox"/>
Machine	<input checked="" type="checkbox"/>	Section Control	<input type="checkbox"/>
Implement	<input checked="" type="checkbox"/>	Implement Guidance	<input type="checkbox"/>
Documentation	<input checked="" type="checkbox"/>	Water Management	<input type="checkbox"/>
Guidance	<input checked="" type="checkbox"/>		
Boundaries	<input type="checkbox"/>		

NOTE: To avoid extra setup, only check the Documentation option if you know you want to Document.

5. Check the items that apply to your operation and press **Accept**.



6. Fill out the necessary items on each setup page and then press **Next Page** to continue.






*NOTE: A red asterisk indicates items that must be filled out on each page **

Change Field Name

Client, Farm, and Field name can be selected manually or automatically. Several types of setup data are tied to Field Names including Guidance lines, maps, and Documentation data. If fields have external boundaries saved in the display, the field settings can be selected automatically and the operator will be alerted when the implement is completely out of the field.

NOTE: Field Names can only be edited or deleted individually using Apex or another type of desktop software.




Selecting a Field Automatically

1. **Menu** 
2. **GS3** 
3. **Resources / Conditions** 
4. Check the **Field Locator ON / OFF** checkbox.
5. Drive into a field that already has an external boundary defined in the display.
6. Press **Find Field** button. A list of the closest fields will appear.

Changing Fields Automatically


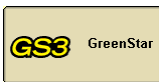

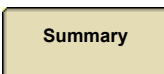
1. After driving out of a field that has an external boundary saved in the display, a “**Field Exit Detected**” message will appear on the map.
2. Drive into the next field.
3. Press on the map. A list of the closest fields will appear.
4. Select a field and verify Guidance and Documentation settings.

Selecting a Field Manually

1. **Menu** 
2. **GS3** 
3. **Resources / Conditions** 
4. Select or create a new **Client, Farm, and Field** name. The Client is the land owner in many cases.




Check Summary of Field Settings

Check the setup information entered for a field name after selecting a field.

1. **Menu** 
2. **GreenStar** 
3. **GreenStar** Softkey 
4. **Summary** Tab 

Task Setting

Task is ONLY used for Documentation. If NOT using Documentation (e.g. rates, yield maps, Totals, etc.), select Documentation OFF to avoid extra setup.

1. **Menu** 
2. **GreenStar** 
3. **Resources** 


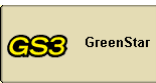

4. Select **Documentation OFF**

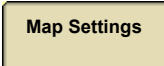



Mapping



Go to Mapping

1. **Menu** 
2. **GreenStar** 
3. **Mapping** 

Setup Map Layers

1. **Map Settings** tab 
2. Select map to appear in the **Background** 
 - Examples: Prescription Map or Aerial Photo
 - Background maps are loaded from Apex or another desktop software
3. Select map to appear in the **Foreground** 
 - Examples: As-applied, Coverage, or Yield Map
 - ❖ Toggle between the Coverage Map and the As-Applied map that is selected as the Foreground Map Layer 

NOTE: This button is only active when an Operation is setup for Documentation.

Edit Map Legend

1. **Mapping**



2. **Edit Legend**



NOTE: An As-applied or yield map must be setup in Documentation setup and selected as the Foreground Layer in Map Settings.

3. Enter the preferred **maximum** and **minimum** values.
4. The legend will be divided into five colors automatically.

Mapping (Recording) Diagnostics

If recording will not start, go to Recording Diagnostics to determine system status.

1. **Menu**



2. **GS3**



3. **GreenStar Diagnostics**


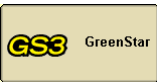

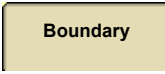




4. Select **Recording**



Record a Boundary

Boundaries are used for Section Control, iTEC Pro, changing Field Names automatically, and determining field area.

1. **Menu** 
 2. **GreenStar** 
 3. **Mapping** 
 4. **Boundary** tab 
 5. Select the Field Name for the boundary to be saved 
- NOTE: Only one Exterior boundary may be saved per Field Name.*
6. Select the **Boundary Type**..... 
 - **Exterior Boundary** - perimeter of a field. Used for automatic Field Name selection and Section Control.
 - **Interior Passable Boundary** - perimeter of an obstacle in a field that can be crossed. Used for Section Control and iTEC Pro™.
 - **Interior Impassable Boundary** - perimeter of an obstacle in a field that can NOT be crossed. Used for Section Control and iTEC Pro.
 - **Headland Boundary** - delineates field headland. Used for Section Control and iTEC Pro. Recording Headland Boundaries is not covered in this User Guide.
 7. Enter the **Boundary Offset** distance. This is the distance left and right of the GPS receiver to the Boundary Recording Point.

8. Toggle the **Boundary Recording Point** to the desired corner of the machine / implement. The location of this point in front and behind the machine is determined by the values entered in machine and implement offsets.



9. Drive to the edge of the field.

10. Select **Start Boundary Recording**



11. Drive around the perimeter of the field.

NOTE: AutoTrac and other applications can be operated during boundary recording.

12. If desired, select **Pause Boundary Recording** to snap a straight line between the points where recording was paused and unpaused.



13. Select **Stop Boundary Recording**. A straight line will be snapped between the first and last point of the boundary.



Data Management

Data and setup information can be transferred to and from another GS3 2630 display or compatible desktop software using a USB flash drive. Data and setup information are imported or exported as a Data Profile. Only Prescription Maps can be imported individually. See Operator Manual for Examples of managing your data properly.

Apex (v3.2 or newer) and several 3rd party desktop applications are compatible with the display.

Data Transfer Options

❖ Export Data from the display

Data Profile is copied to the USB flash drive. Use this option in the following examples:

- Backup Documentation data to a USB flash drive,
- Transfer setup information and guidance lines to another display,
- Transfer setup information and guidance lines to compatible desktop software, or
- Transfer screen shots and debug files to a USB flash drive.

❖ Import Data to the display

Data Profile is copied to the display. This option does NOT import global prescriptions and shapefiles. Use this option in the following examples:

- Import Field Names, boundaries, and guidance lines from another GS3 2630 display or compatible desktop software.
- Import coverage and Section Control maps from another GS3 2630 display.
- Import field specific prescription (Rx) files from compatible desktop software.

❖ Import Global Prescriptions to the display

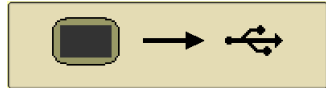
Only Global Prescription (GRx) files and shape files are imported into the display.

Export Data from the Display

IMPORTANT: USB flash drive should have at least 1GB of free memory. Large data sets may take several minutes to transfer. Power loss or removing the USB during data transfer may cause data loss.

1. Turn off all types of Recording and stop the vehicle.
2. Insert USB flash drive
3. A **Data Transfer** page will appear within about 10 seconds.

Troubleshooting Tips!!! If the USB flash drive is not recognized, try the other USB port, format the USB flash drive (FAT or FAT32), or try a different USB flash drive.



4. **Export Data**

5. Select or create a **Profile Name** where the data will be stored on the USB



IMPORTANT: Exporting to an existing Profile will overwrite all setup information and data in that Profile except for Documentation files used by desktop software. See the Operator Manual for more information.

Export takes less time when exporting repeatedly to the same Profile because the Documentation files (e.g. As-applied and Yield map files) that are already in the Profile on the USB are not exported again.

*NOTE: Do not use the following characters (\ / : * ? " < >) when creating a Profile name. These will cause the profile to fail to load to a display or Apex.*

6. **Begin Transfer**



7. When the data transfer is finished, a **Data Transfer is Complete** message will appear.

Importing Data to the Display

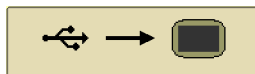
IMPORTANT: Import Data will replace the setup information in the internal memory of the display with the setup information in the Data Profile that is selected from the USB drive. Only Prescription files can be imported individually to the display. See the Operator Manual for more information.

NOTE: Large data sets may take several minutes to transfer. Power loss or removing the USB during data transfer may cause data loss.

1. Turn off all types of Recording and stop the vehicle.
2. Insert USB flash drive.
3. A Data Transfer page will appear within about 10 seconds.

Troubleshooting Tips!!! If the USB flash drive is not recognized, try the other USB port, format the USB flash drive (FAT or FAT32), or try a different USB flash drive.

4. **Import data**



5. Select the **Profile Name** on the USB drive to be imported

6. **Begin Transfer**



7. When the data transfer is finished, **Data Transfer is Complete** message will appear.

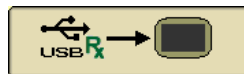
Importing Global or Shapefile Prescriptions

On a Desk top Computer

1. Insert a USB flash drive.
 - ❖ **Global Prescriptions (GRx)** files:
 - A. Create a folder named **GRx** in the root of the USB drive.
 - B. Copy the GRx files into this folder.
 - ❖ **Shapefile Prescriptions:**
 - A. Create a folder named **Rx** in the root of the USB drive.
 - B. Copy the shapefiles into this folder.

On the Display

1. Turn off all types of Recording and stop the vehicle.
2. Insert USB flash drive.
3. A **Data Transfer** page will appear within about 10 seconds.
4. **Import Global Prescriptions and Shapefile Data.**
5. When the data transfer is finished, a **Data Transfer is Complete** message will appear.






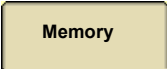
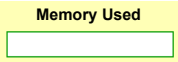
IMPORTANT: All Global and Shapefile Prescriptions on the display will be deleted prior to importing.

Transferring Data between Two Displays

Apex or a compatible 3rd party desktop software is required for transferring data and setup information between different John Deere Display models (i.e. Original GreenStar Display, GS2 1800, GS2 2600, and GS3 2630). Due to different file types, data will not load when transferred directly between different models.

View Memory Remaining

The Memory Used bar graph shows total memory used, including system files. A message will appear when 90% of the memory is used. Data should be deleted before memory used exceeds 90%.


1. **Menu** 
2. **GreenStar** 
3. **GS3 Softkey** 
4. **Memory Tab** 
5. Bar graph represents percent of memory used. 



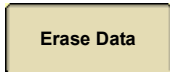

Delete Documentation Data Only

Documentation data includes the As-applied and yield maps used by desktop software. The maps used by the display will remain on the display. Examples for when to use this feature include:

- Deleting your planting rate maps after planting season, so that there is less data on the display and data exports will take less time during harvest.
- The internal memory is full.

1. **Export Data** to a USB flash drive if necessary, so it is not lost.
2. Remove the USB drive.


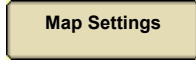
3. **Menu** 

4. GreenStar	
5. Memory Tab	
6. Erase Data	
7. Documentation Data	<input checked="" type="checkbox"/>
8. Begin Removal	

Delete Coverage and Section Control Maps

Delete Coverage and Section Control Maps to free up internal memory or to create a new map with the same Field Name.




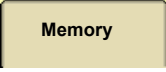
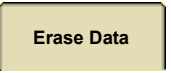

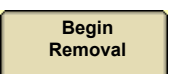
NOTE: Documentation data used by desktop software (i.e. As-Applied (rate) maps and Yield maps) will NOT be deleted, but will no longer be able to be viewed on the display. They can still be exported to a USB drive.

1. Mapping	
2. Map Settings	
3. Select option to Clear	
• This Field Only - the map for the currently selected field	
• All Farms and Fields - all coverage and Section Control maps.	





Delete all Data and Setup Information

All data and setup information will be deleted from the display. This option is rarely used and may be used if you want to start over or think the setup data may be causing a problem to occur on the display.

1. **Export Data** to a USB flash drive if necessary, so it is not lost.
2. Remove the USB drive.

3. Menu	
4. GreenStar	
5. GS3 Softkey	
6. Memory Tab	
7. Erase Data	
8. All Data	
9. Begin Removal	

Delete Adaptive Curve Data

1. Guidance	
2. Guidance Settings tab	
3. Change Curve Track Settings	
4. Clear Data	

Troubleshooting

Coverage Maps

- ❖ Symptom: Previously recorded Coverage map does NOT load after startup.

Check: The display must shutdown properly with key switch for maps to save. After the vehicle key is switched OFF the **Saving Settings** screen should appear.

- ❖ Symptom: Previously recorded Coverage map does NOT load after selecting the Field Name.

Check: The settings for Implement Width and Number of Sections must be the same as when the Coverage map was recorded.



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- AB Curve Mode 5
- Adaptive Curve Mode 5
- Circle Track Mode 6
- Row Finder Mode 6

GUIDANCE TRACK SETUP 7

- Create a Straight Track AB Line 7
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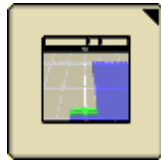
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Guidance Introduction



This section includes basic functions for using Guidance.

Go to the Guidance Map Page

- 1. **Menu** 
- 2. **GS3** 
- 3. **Guidance** softkey 


Guidance Map Page Symbols

- Pass Accuracy Indicator



- Variance off of "0" shows Off-track Error.

- AutoTrac Status Pie 

- Steering On / Off Button 

- GPS Accuracy Indicator 

Requirements for Guidance Operation

- The following items are **required** for guidance to function:
 - AB Lines
 - GPS Signal
 - Tracking Mode
 - Track Spacing
- The following items are **optional** when operating guidance:
 - Client, Farm and Field
 - Coverage Map
 - Documenting Field Operational Data
 - Field Boundaries
 - Flags
- Read the AutoTrac Status Pie section for AutoTrac requirements.
- Read and understand OPERATE GUIDANCE SYSTEMS SAFELY section in the Safety Section of the Operators Manual.

AutoTrac Status Pie

The AutoTrac Status Pie indicates what items are remaining to be set up for AutoTrac to function.



Stage 1: Installed

- SSU is detected



Stage 2: Configured

- Tracking Mode has been selected
- Guidance AB Line has been defined
- AutoTrac Activation detected
- StarFire signal is present
- SSU has no active faults pertaining to the steering function
- Hydraulic oil warmer than minimum temperature
- Speed is less than maximum
- TCM message is currently available and valid
- In proper operating gear



Stage 3: Enabled

- Select **Steer ON**



Stage 4: Activated

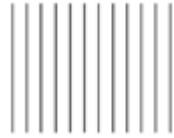
- Press **Resume Switch** on the Machine

Choose Tracking Mode

GreenStar guidance has several different tracking modes to suit almost any field layout and operator preference.

Straight Track Mode

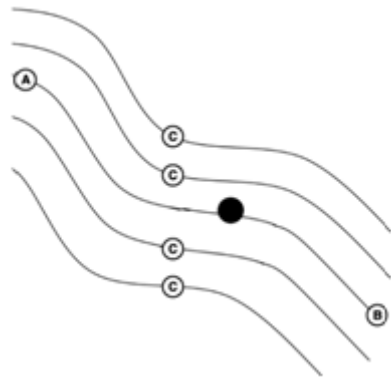
Straight Track mode assists operator in driving straight parallel paths by using display and audible tones to alert operator when machine is off track.



AB Curve Mode

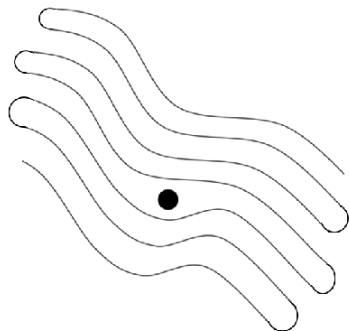
AB Curves allows an operator to drive a curved line in the field with end points at the ends of the field. Parallel lines are generated from the first pass.

- A—Start Recording of AB Curve
- B—Stop Recording of AB Curve
- C—Paths Generated



Adaptive Curve Mode

Adaptive Curve Mode records a guidance line the entire time while operating in a field. The passes are not identical copies of the original pass. Only one Adaptive Curve track may be generated per field.



Circle Track Mode

Used on center pivot irrigated fields. Requires a PivotPro activation.


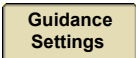








Row Finder Mode

Row Finder Mode is intended for row crop applications where the rows are not always equally spaced and can only be operated with manual guidance. Row Finder will aid the operator in finding which set of rows to enter back into the field on after setting a reference point when coming out of the previous rows.

Guidance Track Setup

Minimal setup is required for basic guidance, as shown below. However, it is recommended to read the operation specific sections of this user guide and enter all machine and implement settings. Adjusting machine and implement offsets may be required for guidance and mapping accuracy.

Create a Straight Track AB Line

1. **Guidance** 
2. **Guidance Settings** tab 
3. Select **Straight Track** tracking mode 
4. **View** tab 
5. **Set Track 0** 
6. Select an **existing track** from the list or select **New** 
 
7. Select the **Method** to create the track 
8. Enter **Track Spacing** 

A + B Method

1. Drive to desired beginning of AB line and select **Set A**
2. Select **Set B Later**
3. Drive toward desired end of AB line and press **Set B**

A + Heading Method

1. Drive to desired beginning of AB line and select **Set A**
2. Enter desired **Heading** of the B point

Auto B Method

1. Drive to desired beginning of AB line and select **Set A**
2. Drive toward desired end of AB line. The B point will automatically set after 49 feet (15 meters).


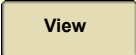









Lat / Long Method

1. Set A Point Latitude and Longitude
2. Set B Point Latitude and Longitude





Lat / Long + Heading Method

1. Enter in coordinates for A and B points
2. Enter in Desired Heading


Create an AB Curve Track


1. **Guidance** 
 2. **View** tab 
 3. **Set AB Curve** 
 4. Select an **existing track** from the list or select **New**. 
 
 5. Enter **Track Spacing**..... 
 6. Drive to desired beginning of guidance line and select **Start Recording** 
- IMPORTANT: Wait for adequate GPS signal before starting recording (orange or green bar graph, depending on the operation).**
7. **End Track Later** 
 8. Drive the first guidance line
 9. **Stop Recording** at the end of the guidance line 
- ❖ Use the **Pause** button to connect a straight line between two points. 


Create an Adaptive Curve Track

1. **Guidance** 
2. **Guidance Settings** tab 
3. Select **Adaptive Curves** tracking mode 
4. **View** tab 

NOTE: To record a new guidance line, Repeat Mode should be OFF (unchecked). To follow an existing guidance line, Repeat Mode should be ON (checked).

5. Drive to desired beginning of guidance line and select **Start Recording** 

- ❖ The guidance line will record during operation until the field is finished.
- ❖ The next guidance line will generate each time the machine turns around.
- ❖ Use the Pause button to connect a straight line between two points. 


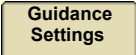



6. **Stop Recording** at the end of the field..... 

IMPORTANT: Wait for adequate GPS signal before starting recording (orange or green bar graph, depending on the operation).




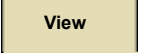
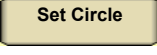

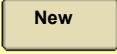



IMPORTANT: Only one Adaptive curve may be recorded per field. When changing fields, the Field Name setting must be changed prior to starting recording to avoid connecting the guidance line between the fields.



Turn Repeat Mode ON / OFF

1. **Guidance** 
2. **Guidance Settings** tab 
3. Select **Adaptive Curves** tracking mode 
4. **Change** Curve Track Settings 
5. Check **Repeat Mode** to turn it ON. Uncheck it to turn it OFF 

Create a Circle Track

1. **Guidance** 
2. **Guidance Settings** tab 
3. Select **Circle Track** tracking mode 
4. **View** tab 
5. **Set Circle** 
6. Select an **existing track** from the list or select **New**. 
 
7. Enter **Track Spacing** 
8. Select the **Method** to create the track 

Driving Method

- 1. Drive along an outer wheel track of the irrigation pivot.
- 2. Select **Start Recording**. The guidance line will be generated after driving around 10% of the circle.
- 3. Select **Stop Recording** after End Circle text appears.



Lat / Long Method

- 1. Enter the Latitude and Longitude of the center point.

Center Point

- 2. **Accept**



Row Finder Mode

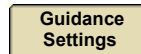
- 1. First set **Track Spacing** in Equipment settings



- 2. **Guidance**



- 3. **Guidance Settings** tab



- 4. Select **Row Finder** tracking mode.....

- 5. **View** tab







- 6. Drive to the end of the first pass and select **Set Row** before starting the turn. Guidance lines will appear on the map for the next pass.



Change Track Spacing



1. **Guidance**
2. **View** tab 
3. **Set Track 0** or **Set Curve**  
4. Enter **Track Spacing** 






- **Implement Width** - used to generate the onscreen map. If Implement Width is automatically detected, it can only be changed on the implement controller setup.
- **Track Spacing** - sets the distance between the guidance lines on each pass and defines the desired overlap.
- **Physical Width** - the width of the extents of the implement while raised during field operation. Used for iTEC Pro only.

NOTE: If an overlap is desired, enter a Track Spacing smaller than the Implement Width.



NOTE: Changing the Implement Width may prevent previously recorded Coverage maps from being displayed.

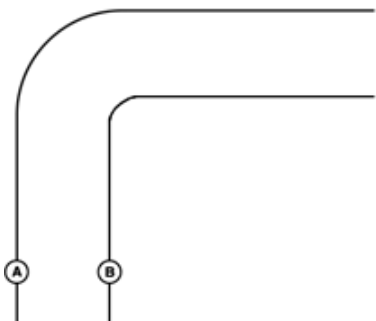
Guidance Settings

General Guidance Settings

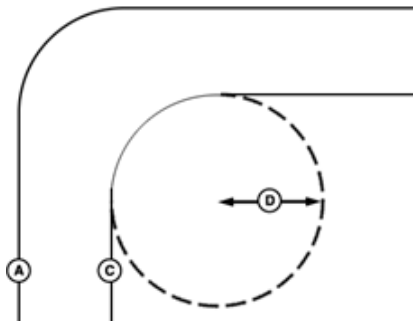
- 1. **Menu** 
- 2. **GS3** 
- 3. **Guidance** softkey 
- 4. **Guidance Settings** tab 
- 5. Select Tracking Mode to access settings specific to that mode 

Curve Track Settings

- Choose **Curve Track Recording** source 
- Smooth Tight Turns ON / OFF 



Smooth Tight Turns OFF





















Smooth Tight Turns ON


- Implement In-Ground Turn Radius
- Clear Adaptive Curves Data
- Repeat Mode

NOTE: When recording a new path, repeat mode should be unchecked or off. To follow existing paths, repeat mode should be on or checked.

Advanced AutoTrac Settings (if equipped)

Use Advanced AutoTrac Settings to optimize AutoTrac performance. AutoTrac Advanced settings are available only on some vehicle types.

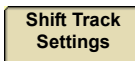
	Line Sensitivity Heading		<input type="text" value="50"/>	
	Line Sensitivity Tracking		<input type="text" value="50"/>	
	Heading Lead		<input type="text" value="50"/>	
	Steering Response Rate		<input type="text" value="50"/>	
	Curve Sensitivity		<input type="text" value="50"/>	
	Acquire Sensitivity		<input type="text" value="50"/>	

 Describes each function

Shift Track Settings



1. **Guidance** softkey



2. **Shift Track Settings** Tab

Turn Shift Track ON / OFF



1. Check the box to turn Shifts OFF

Set Guidance Line Shift Distance

- 1. Choose Small Shifts or Large Shifts.
- 2. Set distance (inches/cm for small shifts).

Clear Guidance Line Shifts



1. **Guidance** softkey



2. **Shift Track Settings** Tab



3. Select **Clear all shifts**

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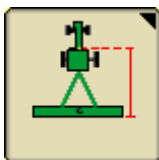
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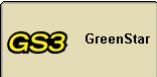

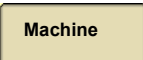





This section applies to GreenStar applications associated with Planting and Seeding.

Machine and Implement Setup



Machine and Implement setup is required when moving the display between machines or changing implements. Accuracy of guidance, mapping and Section Control relies on accurate settings. Settings that are automatically detected will be grayed out.

Machine Setup in GreenStar

1. **Menu** 
 2. **GS3** 
 3. **Equipment** softkey 
 4. **Machine** tab 
 5. Select **Machine Type** 
- NOTE: This setting will determine which options are displayed on the Implement tab.*
6. Select **Model** (Optional) 
 7. Select or create a **Machine Name** 
- NOTE: Machine settings will be saved under the current machine name.*
8. Select **Connection Type** 
 9. Select **Change Offsets** to verify and change them as needed. 

NOTE: Preloaded offsets often need to be adjusted on an individual machine basis. Accuracy of guidance, mapping and Section Control relies on accurate offsets.

NOTE: Offsets are provided by some Deere tractors. Some boxes may be grayed out when the machine is automatically recognized.

10. Select **Recording Source**. This turns mapping and Documentation ON / OFF.



NOTE: If selection box is grayed out, the Recording Source has been auto-detected and can be adjusted through the implement controller software.

- ❖ **Machine Turn Radius** is only needed for curve track and iTEC Pro.
- ❖ **Turn Sensitivity** is only needed for iTec Pro.

Implement Setup in GreenStar

1. **Menu**



2. **GS3**



3. **Equipment** softkey



4. **Implement** tab



5. Select **Implement Type**



NOTE: Changing an implement Type that is automatically detected may require turning off and restarting the machine.

6. Select **Model** (Optional)



7. Select or create an **Implement Name**



NOTE: Implement settings will be saved under the current implement name.

8. Select **Change Offsets** to verify and change them as needed.

A rectangular button with a light beige background and a thin black border. The text "Change Offsets" is centered on the button in a black, sans-serif font.

NOTE: Offsets are provided by some ISO implements. Some boxes may be grayed out when the implement is automatically recognized.

9. Select **Change Widths** to set the **Implement Width** and **Track Spacing**.

- **Implement Width** - used to generate the on screen map. This is the planting width. If Implement Width is automatically detected, it can only be changed on the implement controller setup (e.g. SeedStar).
- **Track Spacing** - sets the distance between the guidance lines on each pass and defines the desired overlap.
- **Physical Width** - the width of the extents of the implement while raised during field operation. Used for iTEC Pro only.

NOTE: If an overlap is desired, enter a Track Spacing smaller than the Implement Width.

NOTE: Changing the Implement Width may prevent previously recorded Coverage maps from being displayed.

Documentation Setup

Optional



Set up Documentation ONLY if you want to:

- Document information about the operation such as Varieties and rates,
- View Totals of seed rates and amount applied,
- View colored maps of applied rates (As-Applied Maps), or
- Use Prescriptions (Rx).

IMPORTANT: Planter or seeder controller must be connected and setup prior to setting up Documentation.

Task Setup

Client, Farm, Field, and Task selections are required for Documentation.

1. **Menu**
2. **GS3**
3. **Resources**
4. Select or create a **Task**

NOTE: If selecting a new Task for a Field Name that has a previously recorded Coverage map, go to Map Settings and clear the Coverage map to record a new Coverage map.

Turn Documentation Off

If Documentation is not needed, turn it OFF to avoid extra setup.



1. **Resources**
2. Select Documentation OFF in the Task selection box

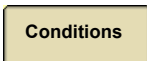


Weather, Soil, and Crop Conditions

Notes about weather, crop, and soil condition can be entered on the Conditions tab.



1. **Resources**
2. **Conditions** tab



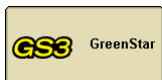
NOTE: If entering Conditions information, remember to change the information every field or as conditions change.

Operation Setup

1. **Menu**



2. **GS3**



3. **Documentation** softkey

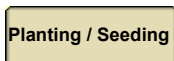


NOTE: If a John Deere SeedStar planter or air cart is connected, a Planting/Seeding tab is automatically created

4. Select **New** tab

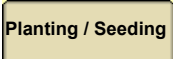




5. Select **Planting / Seeding**



IMPORTANT: Remove any operation tabs that are not currently in use. Old Operation tabs may prevent Recording.

NOTE: Change the Field Name setting, in Resources, prior to removing an Operation tab or disconnecting the implement controller. Otherwise the last map recorded with that Operation will no longer be able to be viewed on the display.

- 6. **Planting / Seed** tab 
- 7. Select **Seed Type** 
- 8. **Add Variety** 



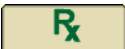

*NOTE: Settings with an asterisk * are required.*

- 9. **Accept** 

NOTE: Enable Disable operation: Operations that are automatically created when an implement is connected and detected, will have the possibility to be disabled. Any disabled operation will not be documented

Prescription Setup

NOTE: If applying multiple prescriptions, operator must choose a prescription for each operation. If applying the same product in 2 or more tanks, operator needs a prescription for each tank.

- 1. **Documentation** softkey 
- 2. **Planting / Seeding** 
- 3. **Prescription** 
- 4. Select **Prescription Name** 

NOTE: If the selection box does not have any prescriptions in it, check that the correct Field Name is selected in Resources.

- 5. Enter **Look Ahead** time if needed. Enter a value between 0 and 4 seconds.

NOTE: Look Ahead is an adjustment to compensate for the delay between the control unit making the rate change and the implement responding.

- 6. Enter **Prescription Multiplier** (%) if needed. Example - a Prescription Multiplier of 115% will increase all rates in the Prescription by 15%.

- 7. **Accept**

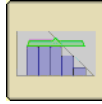
NOTE: "Prescription cannot be applied" will be displayed and the Accept button will become inactive when prescription base units do not match. Correcting the base unit measurement mismatch will allow the prescription to be applied.

Recording Diagnostics

If Documentation or map Recording is not functioning properly, check this page.

- 1. **Menu**
- 2. **GS3**
- 3. **GreenStar Diagnostics**
- 4. Select **Recording**

Section Control



Section Control automatically turns sections ON and OFF when crossing:



- A previously covered area
- Interior boundaries
- Exterior and Exterior Headland boundaries

Requirements for Section Control Operation

*NOTE: The Section Control softkey will not appear on the display if some of these conditions are not met.**

- Section Control activation on display *
- Section Control capable controller is detected *
- Implement must be lowered into the ground
- Master switch is ON
- Section switch is in the ON position
- Section Control check box is checked
- GPS signal status is valid
- Speed above 0 km/h or 0 mph for all planting and seeding operations
- Vehicle is within 7.64 kilometers (4.75 miles) of the field reference point.

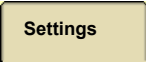


Go to Section Control Map and Settings

1. **Menu** 
2. **GS3** 
3. **Section Control** softkey 


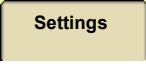

Turn Section Control ON / OFF

1. **Section Control** softkey 

NOTE: This softkey is only available when a Section Control capable implement is connected and a valid Section Control activation is entered into the display.


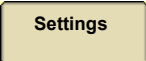

2. **Settings** tab 
3. Check the box for **Section Control Operations** to turn them on. 
4. Check the box for **Section Control Master** to turn it on 

Turn Headland Control ON / OFF




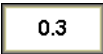
1. **Section Control** softkey 
2. **Settings** tab 
3. Check the box for **Headland Control** to turn it on 

Section Control Overlap Settings

Use Section Control settings to adjust for desired skips and overlaps.

1. **Section Control** softkey 
2. **Settings** tab 
3. **Overlap Settings** 
4. Set **Overlap** desired when crossing boundaries and previously covered areas.

Section Control Turn ON / OFF Settings

1. **Section Control** softkey 
2. **Settings** tab 
3. **Turn On / Off Settings** 
4. Set **Turn ON / Turn OFF times** for each operation 

NOTE: Turn ON / Turn OFF times adjust for the physical delays of the implement.

IMPORTANT: A map recorded with poor GPS signal may give the appearance the Turn ON / Turn OFF times are incorrect.

- Range: 0.3–15 seconds
- Default Turn ON time: 1.0 seconds
- Default Turn OFF time: 0.6 seconds

NOTE: Driving 9.7 km/h (6 mph), the machine will move 2.7 m (8.8 ft.) in 1 second and 0.27 m (10.5 in.) in 0.1 second.

Section Control Diagnostics

If Section Control is not functioning properly, check this page.

1. **Menu** 
2. **GS3** 



3. **GreenStar Diagnostics**

4. Select **Section Control**



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SET UP SECTION CONTROL ON JOHN DEERE SPRAYERS (EUROPE ONLY) 14

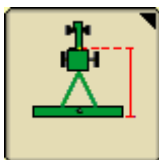
700i and 800i John Deere Pulled-Type Sprayers 14

5430i John Deere Self-Propelled Sprayers 14

This section applies to GreenStar applications associated with Product Application, including:




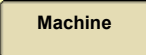
- Spraying
- Spreading

Machine and Implement Setup



Machine and Implement setup is required when moving the display between machines or changing implements. Accuracy of guidance, mapping and Section Control relies on accurate settings. Settings that are automatically detected will be grayed out.

Machine Setup in GreenStar

1. **Menu** 
2. **GS3** 
3. **Equipment** softkey 
4. **Machine** tab 
5. Select **Machine Type**
6. Select **Model** (Optional)
7. Select or create a **Machine Name**

*NOTE: This setting will determine which options are displayed on the Implement tab. Select **Tractor** for sprayers with front mounted booms.*

NOTE: Machine settings will be saved under the current machine name.


8. Select **Connection Type** 

- Rear-mounted boom / spreader: Rear Rigid 3-pt
- Front-mounted boom: Front Rigid 3-pt
- Pull-behind sprayer / spreader: Rear Pivot Drawbar

9. Select **Change Offsets** to verify and change them as needed. 

NOTE: Preloaded offsets often need to be adjusted on an individual machine basis. Accuracy of guidance, mapping and Section Control relies on accurate offsets.

NOTE: Offsets are provided by some Deere tractors. Some boxes may be grayed out when the machine is automatically recognized.

10. Select **Recording Source**. This turns mapping and Documentation ON / OFF. 

NOTE: If selection box is grayed out, the Recording Source has been auto-detected and can be adjusted through the implement controller software.

- ❖ **Machine Turn Radius** is only needed for curve track or iTEC Pro
- ❖ **Turn Sensitivity** is only needed for iTEC Pro.

Implement Setup in GreenStar

1. **Menu** 

2. **GS3** 

3. **Equipment** softkey 

4. **Boom** tab 

5. Select **Implement Type** 

6. Select **Model** (Optional) 

7. Select or create an **Implement Name**

NOTE: Implement settings will be saved under the current implement name.

8. Select **Change Offsets** to verify and change them as needed.

NOTE: Preloaded offsets often need to be adjusted on an individual machine basis. Accuracy of guidance, mapping and Section Control relies on accurate offsets.

NOTE: When Machine Type is set to Sprayer, these offsets are entered on the Machine tab.

NOTE: Offsets are provided by some ISO implements. Some boxes may be grayed out when the implement is automatically recognized.

9. Select **Change Widths** to set the **Implement Width** and **Track Spacing**.

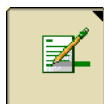
- **Implement Width** – used to generate the on screen map. This is the distance between outside spray nozzles or the throw distance of a spreader. If Implement Width is automatically detected, it can only be changed on the implement controller setup (e.g. Spray-Star).
- **Track Spacing** - sets the distance between the guidance lines on each pass and defines the desired overlap.
- **Physical Width** - the width of the extents of the implement while raised during field operation. Used for iTEC Pro only.

NOTE: If an overlap is desired, enter a Track Spacing smaller than the Implement Width.

NOTE: Changing the Implement Width may prevent previously recorded Coverage maps from being displayed.

Documentation Setup

Optional




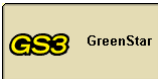


Setup Documentation if you want to:

- Document information about the operation such as Products applied and rates,
- View Totals of seed rates and amount applied,
- View colored maps of applied rates (As-Applied Maps), or
- Use Prescriptions (Rx).

IMPORTANT: Sprayer or spreader controller must be connected and setup prior to setting up Documentation.

Task Setup

Client, Farm, Field and Task selections are required for Documentation.

1. **Menu** 
2. **GS3** 
3. **Resources** 
4. Select or create a **Task** 

NOTE: If selecting a new Task for a Field Name that has a previously recorded Coverage map, go to Map Settings and clear the Coverage map to record a new Coverage map.

Turn Documentation OFF

If Documentation is not needed, turn it OFF to avoid extra setup.

1. **Resources**



2. Select or create a **Task**



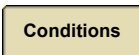
Weather, Soil, and Crop Conditions

Optional inputs that are set manually.

1. **Resources**



2. **Conditions** tab



NOTE: If entering Conditions information, remember to change the information every field or as conditions change.

Operation Setup

1. **Menu**



2. **GS3**



3. **Documentation** softkey



NOTE: If a John Deere sprayer or sprayer is connected, Product Application tabs may be automatically created. There should be a tab for each bin or tank.

4. Select **New** tab



5. Select **Product Application**




IMPORTANT: Remove any operation tabs that are not currently in use. Old Operation tabs may prevent Recording.

NOTE: Change the Field Name setting, in Resources, prior to removing an Operation tab or disconnecting the implement controller. Otherwise the last map recorded with that Operation will no longer be able to be viewed on the display.

6. **Product Application** tab 

7. Select **Single Product** or **Tank Mix** 

NOTE: Tank Mixes created in desktop software should appear in the Tank Mix Name list. One tank mix may be created on the display.

8. **Add Carrier** for a Tank Mix 

9. **Add Product(s)** 

*NOTE: Settings with an asterisk * are required.*

10. **Accept** 

11. Enter **Target Rate**

12. Use **Advanced Settings** to enter Application Method and Height / Depth if desired.

NOTE: Enable Disable operation: Operations that are automatically created when an implement is connected and detected, will have the possibility to be disabled. Any disabled operation will not be documented.

Prescription Setup

NOTE: If applying multiple prescriptions, operator must choose a prescription for each operation. If applying the same product in 2 or more tanks, operator needs a prescription for each tank.

1. **Documentation** softkey 

2. **Product Application** tab 

3. **Prescription** 

4. Select **Prescription Name**


- Prescription Map
- GreenSeeker Sensor
- Yara N Sensor (Europe Only)

NOTE: If the selection box does not have any prescriptions in it, check that the correct Field Name is selected in Resources.

5. Enter Look Ahead time if needed. Enter a value between 0 and 4 seconds.

NOTE: Look Ahead is an adjustment to compensate for the delay between the control unit making the rate change and the implement responding.

6. Enter Prescription Multiplier (%) if needed. Example – a Prescription Multiplier of 115% will increase all rates in the Prescription by 15%.

7. **Accept** 

NOTE: "Prescription cannot be applied" will be displayed and the Accept button will become inactive when prescription base units do not match. Correcting the base unit measurement mismatch will allow the prescription to be applied.

Recording Diagnostics

If Documentation or map Recording is not functioning properly, check this page.

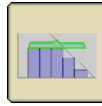
1. **Menu** 

2. **GS3** 

3. **GreenStar Diagnostics** 

4. Select **Recording** 

Section Control



Section Control automatically turns sections ON and OFF when crossing




- A previously covered area
- Interior boundaries
- Exterior and Exterior Headland boundaries

Requirements for Section Control

*NOTE: The Section Control softkey will not appear on the display if some of these conditions are not met. **

- Section Control activation on display *
- Section capable controller is detected *
- Master spray switch is ON
- Section switch is in the ON position
- Section Control check box is checked
- GPS signal status is valid
- Speed above 0.8 km/h or 0.5 mph
- Vehicle is within 7.64 kilometers (4.75 miles) of the field reference point
- ISO Sprayers Only (700i and 800i) — Task Controller Enabled

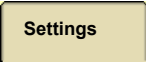


Go to Section Control Map and Settings

- 1. **Menu** 
- 2. **GS3** 
- 3. **Section Control** softkey 




Turn Section Control ON / OFF

- 1. **Section Control** softkey 

NOTE: This softkey is only available when a Section Control capable implement is connected and a valid Section Control activation is entered into the display.



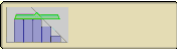
- 2. **Settings** tab 
- 3. Check the box for **Section Control Operations** to turn them on. 
- 4. Check the box for **Section Control Master** to turn it on 

Turn Headland Control ON / OFF


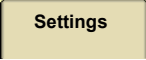

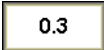
- 1. **Section Control** softkey 
- 2. **Settings** tab 
- 3. Check the box for **Headland Control** to turn it on 

Section Control Overlap Settings

Use Section Control settings to adjust for desired skips and overlaps.

1. **Section Control** softkey 
2. **Settings** tab 
3. **Overlap Settings** 
4. Set **Overlap** desired when crossing boundaries and previously covered areas.

Section Control Turn ON / OFF Settings

1. **Section Control** softkey 
2. **Settings** tab 
3. **Turn On / Off Settings** 
4. Set **Turn ON / Turn OFF times** for each operation 

NOTE: Turn ON / Turn OFF times adjust for the physical delays of the implement.



IMPORTANT: A map recorded with poor GPS signal may give the appearance the Turn ON / Turn OFF times are incorrect.

- Range: 0.3–15 seconds
- Default Turn ON time: 1.0 seconds
- Default Turn OFF time: 0.6 seconds

NOTE: Driving 25.7 km/h (16 mph), the machine will move 7.2 m (23.5 ft.) in 1 second.

Section Control Diagnostics

If Section Control is not functioning properly, check this page.

1. **Menu** 
2. **GS3** 








3. **GreenStar Diagnostics**

4. Select **Section Control**




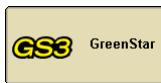



Set up Section Control on John Deere Sprayers (Europe only)

700i and 800i John Deere Pulled-Type Sprayers

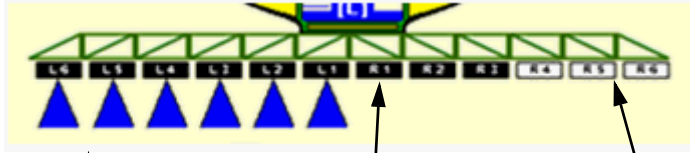
1. **Menu** 
2. **Sprayer** 
3. **Job Settings** 
4. Select **Control & Doc** from the Task Controller drop-down list to enable Documentation, Coverage Mapping, and Section Control. 
5. Select **Control** from the Task Controller drop-down list to enable only Section Control. 

5430i John Deere Self-Propelled Sprayers

There are no specific setup requirements to enable Sprayer Pro™ in the 5430i Sprayer menu. As soon as the Section Control checkbox is active the system is enabled.

1. **Menu** 
2. **GS3** 
3. **Section Control** softkey 
4. **Summary** tab 
5. Check box for **Section Control** 

NOTE: If the master switch is in ON position, all sections are enabled except those that have been disabled manually. Enabled sections are marked with a black background color. Only those sections can be controlled by Section Control.



Sections enabled and **inside** the boundary or spraying area

Sections enabled but **outside** the boundary or spraying area

Section **NOT** enabled — **has been disabled manually.**

NOTES

A large empty rectangular box with a black border, intended for user notes.

Section Contents

MACHINE AND HEADER SETUP 2

- Machine Setup in GreenStar 2
- Header Setup in GreenStar 3
- Cut Width Adjustment 4

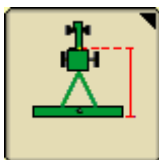
DOCUMENTATION SETUP 5

- Task Setup 5
- Turn Documentation OFF 5
- Operation Setup 6
- Turn Variety Locator ON / OFF 6

This section applies to GreenStar applications associated with Harvesting Machines, including:


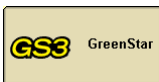

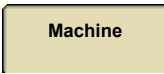



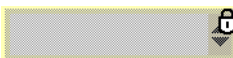
- Combines
- Cotton Pickers
- Cotton Strippers
- Self-Propelled Forage Harvesters

Machine and Header Setup



Machine and Header setup is required when moving the display between machines or changing Headers. Accuracy of guidance, mapping and Overlap Control relies on accurate settings. Settings that are automatically detected will be grayed out.

Machine Setup in GreenStar

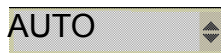
1. **Menu** 
 2. **GS3** 
 3. **Equipment** softkey 
 4. **Machine** tab 
 5. Select **Machine Type** 
- NOTE: This setting will determine which options are displayed on the Implement tab.*
6. Select **Model** (Optional)..... 
 7. Select or create a **Machine Name** 
- NOTE: Machine and Implement settings will be saved under the current machine or implement name.*
8. Verify **Connection Type** is set to Front Rigid 3-pt. 

9. Select **Change Offsets** to verify and change them as needed.



NOTE: Preloaded offsets often need to be adjusted on an individual machine basis. Accuracy of guidance and mapping relies on accurate offsets.

10. Select **Recording Source**. This turns mapping and Documentation ON / OFF.



NOTE: If selection box is grayed out, the Recording Source has been auto-detected and can be adjusted through the implement controller software.

- ❖ **Machine Turn Radius** is only needed for curve track or iTEC Pro
- ❖ **Turn Sensitivity** normally is only needed for iTEC Pro.

Header Setup in GreenStar

1. **Menu**

2. **GS3**

3. **Equipment** softkey

4. **Header** tab

5. Select **Implement Type**.....

6. Select **Model** (Optional).....

7. Select or create **Implement Name**.....

NOTE: Implement settings will be saved under the current implement name.

8. Select **Change Offsets** to verify and change them as needed.



NOTE: Preloaded offsets often need to be adjusted on an individual machine basis. Accuracy of guidance, mapping and Section Control relies on accurate offsets.

NOTE: When Machine Type is set to Sprayer, these offsets are entered on the Machine tab.

9. Select **Change Widths** to set the **Implement Width** and **Track Spacing**.



- **Implement Width** - used to generate the onscreen map. This is the width of the Header. If Implement Width is automatically detected, it can only be changed in the Harvester machine setup.
- **Track Spacing** - sets the distance between the guidance lines on each pass and defines the desired overlap.

NOTE: If an overlap is desired, enter a Track Spacing smaller than the Implement Width.

NOTE: Changing the Implement Width may prevent previously recorded Coverage maps from being displayed.

10. Turn **Overlap Control** ON to map only a partial Header width when the Header is overlapping previously harvested areas (Overlap Control improves Totals accuracy).

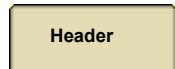


Cut Width Adjustment

1. **Equipment** softkey



2. **Header** tab

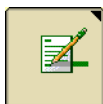


3. Use the **Arrows** to start and stop mapping for each Header section manually.



Documentation Setup





Optional



Setup Documentation when it is desired to calculate Harvest Totals and map yield or moisture.

Task Setup



Client, Farm, Field and Task selections are required for Documentation.

1. **Menu** 
2. **GS3** 
3. **Resources** 
4. Select or create a **Task**..... 




NOTE: If selecting a new Task for a Field Name that has a previously recorded Coverage map, go to Map Settings and clear the Coverage map to record a new Coverage map.

Turn Documentation OFF

If Documentation is not needed, turn it OFF to avoid extra setup.




1. **Resources** 
2. Select **Documentation OFF** in the Task selection box 

Operation Setup

- 1. **Harvest** tab 
- 2. Enter **Crop Type** 
- 3. Enter **Variety** 

*NOTE: Only settings with an asterisk * are required.*

Turn Variety Locator ON / OFF

- 1. **Harvest** tab 
- 2. **Change Harvest Settings** 
- 3. Check box for **Variety Locator** 

NOTE: Variety Locator requires a variety map loaded from Apex desktop software.

Section Contents

MONITOR MACHINE PERFORMANCE..... 2
View in Performance Monitor 2
View on Homepages 2





PERFORMANCE MONITOR SETUP..... 3
Setup Area Counter 3

PERFORMANCE MONITOR TOTALS 4
Acre Counter Manual Start and Stop..... 4
Resetting Performance Monitor Totals 5

Monitor Machine Performance

Performance Monitor provides productivity information such as vehicle speeds, acre counters, and fuel efficiency data. The information available to be displayed depends on the vehicle on which the display is installed.

View in Performance Monitor

- 1. **Menu** 
- 2. **Performance Monitor** 
- 3. **Performance Monitor Main** 
- 4. **Performance Monitor Totals** 

View on Homepages

- 1. Use Layout Manager to add a Performance Monitor screen for any region of any Homepage.

Performance Monitor Setup

Setup Area Counter

1. **Menu** 

2. **Performance Monitor** 

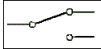
3. **Setup** 

4. Enter Implement Width 

5. Select a control source to start and stop the Area Counter. The available options depend on the vehicle configuration.


- Synchronize with GreenStar Map Recording Source (Recommended)



- Implement Whisker Switch 

- Use source from John Deere implement ...



- Manual 

- Front Hitch
- Rear Hitch

Performance Monitor Totals

Performance Monitor calculates a running total of several values including acres and distance.


NOTE: Total acres are calculated separately from GreenStar Totals and therefore the total acres may not align. Performance Monitor does not utilize Overlap Control for acre calculations. Starting, stopping, and resetting the Performance Monitor acre counter does not affect GreenStar Acre Totals.

Acre Counter Manual Start and Stop




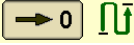

NOTE: Manually starting and stopping the Area Counter is not necessary when the Area Counter control source is set to an option other than Manual.

1. **Menu** 
2. **Performance Monitor** 
3. **Performance Monitor Main** 
4. **Acre Counter Start / Stop** 

ON 

OFF 

Resetting Performance Monitor Totals

- 5. **Menu** 
- 6. **Performance Monitor** 
- 7. **Totals** 
- 8. **Reset Distance** 
- 9. **Reset Acres** 

There are two reset buttons on the page. Each is displayed within the group of values that it resets.

NOTES

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Section Contents

JOHN DEERE REMOTE DISPLAY ACCESS 2

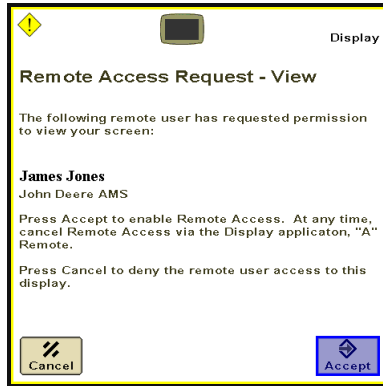
Remote Display Access..... 2

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John Deere Remote Display Access

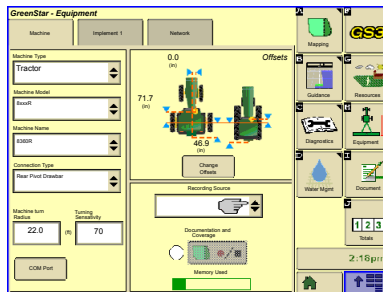
Remote Display Access



NOTE: A Remote Display Access session has to be initiated from the web.

This alert will appear if a user requests to conduct a Remote Display Access session with your display. This request message must be accepted to allow the user to view the display remotely. This request can also be cancelled if a request is received in error or the operator does not want to allow the user to view the display.

Session in Progress



When a Remote Display Access session is in progress, there will be a blue outline around the display screen to indicate the session is active.

Ending the Session

The active Remote Display Access session can be terminated at any time by pressing the End Session button located at the bottom of this page.

If there is a Remote Display Access session in progress, detail about that session will be displayed on this page. Information shown are the Name and Organization of the user conducting the RDA session in progress, session type and the connection duration.

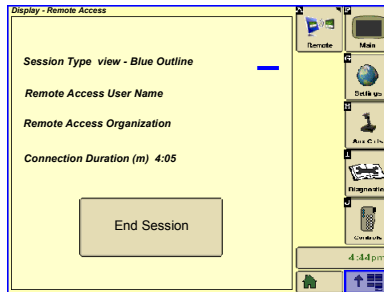
1. **Main Menu**



2. **Display**



3. **Remote**



NOTES

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