





Delivery Instructions

Activations

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

Data Transfer

- Apex version 3.1 or newer is required to transfer data to the GS3 2630 from a different John Deere Display model (i.e. GS2 1800, GS2 2600, GS3 CommandCenter).
- Coverage and Swath 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.





GS3 2630 Display

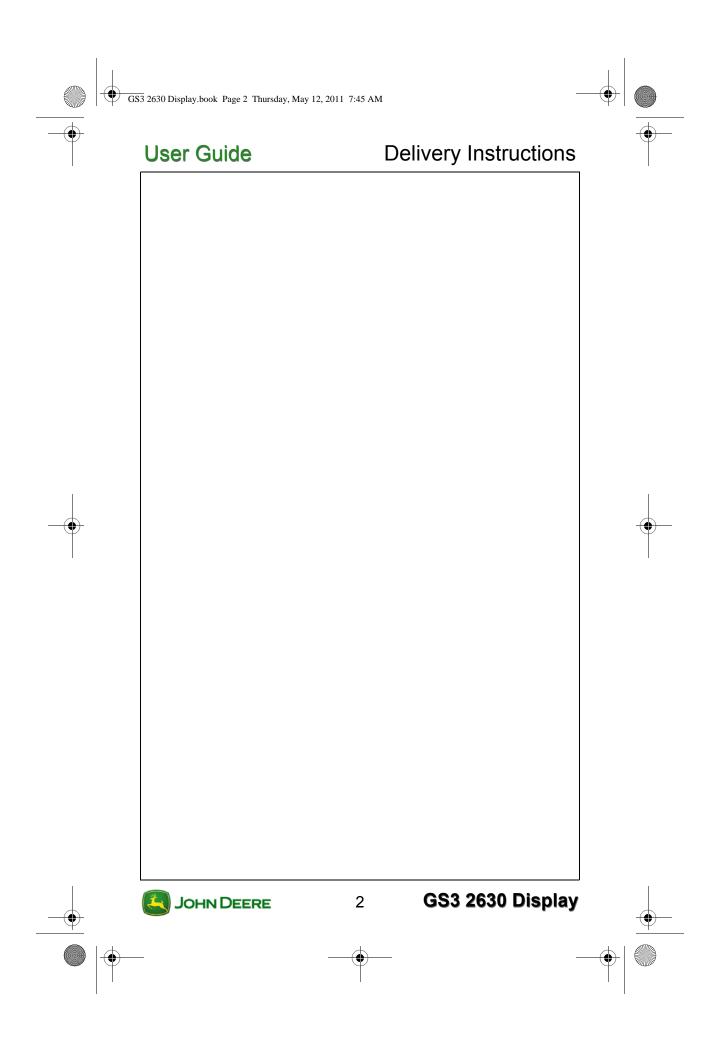




















GreenStar™ 3 2630 Display







PFP11104





















This User Guide will help you learn how to perform common tasks with your new display. It is a supplement to the display Operator Manual.

Read the Operator Manual for the following information:

- · How to operate your display safely
- Theory of operation
- · How to install the display and do initial setup
- Diagnostics

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Display General

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Display General

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	1	



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





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Display General

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

♦ 1/1 Cancel

Display Settings

Brightness

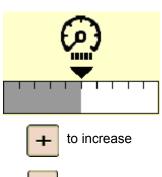
This function allows the operator to adjust the brightness of the display.

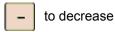
Menu



3. **Display** Softkey

4. Adjust the brightness







GS3 2630 Display





















Display General

Day / Night Mode			
Allows operator to quickly change screen with one button push.			
Τος	ggle to switch		
Vo	lume		
Thi	s function allows the operator to adjust the volume of the display.		
1.	Menu		
2.	Display Menu		
3.	Display Softkey		
4.	⊕		
	+ to increase		
	- to decrease		
La	nguage		
1.	Menu		
2.	Display Menu		
3.	Global Settings		
	Regional		
4. 5.	Two ways to change language:		
J .	 Choose preferred country in the country drop box. 		

















Display General

	Choose preferred language in the language drop be	OX.
Ur	its	
1.	Menu	†
2.	Display Menu	
3.	Global Settings	
4.	Regional Tab	Regional
5.	Under the units drop box, choose one of the follow	ving:
	Metric	
	Imperial	
	• US	





GS3 2630 Display

















Display General

Home Page Setup

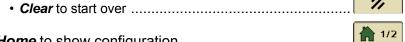
The Layout Manager allows the operator to create user-defined Homepages.

1. **Menu**



- 2. Layout Manager
- 3. Choose the preferred layout.
- 4. Press each section to configure:







Options A and F. Advanced Performance Monitor is only available as a full page.



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Display General

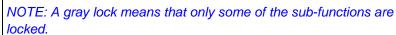
User Access

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.

- 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



- 7. Select **Accept** to save changes.....
- Select *Operator Mode* for functions to be locked.

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























Display General

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



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

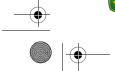
Mirroring an image exchanges what is seen on the left and right sides of the image like a rear view mirror. The camera or the display could mirror the image. Check whether the image is mirrored before using the Video feature.

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



GS3 2630 Display













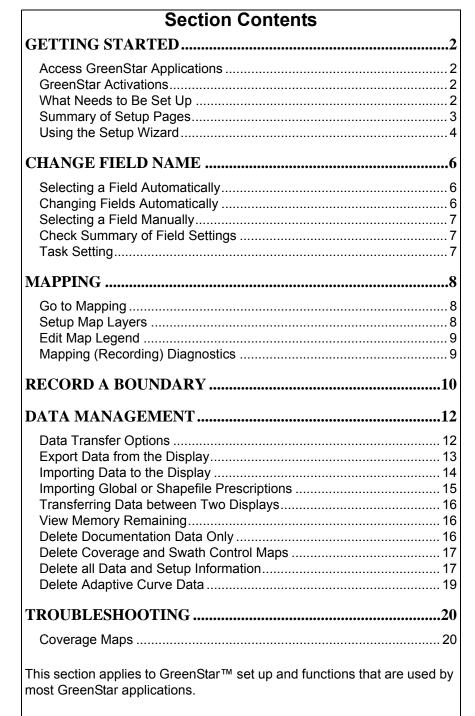








GreenStar General

























GreenStar General

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.



GS3 2630 Display













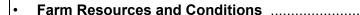






GreenStar General

Summary of Setup Pages





- 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 Swath Control if operating in fields more than 4.9 miles
- **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
 - **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, Swath 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.

























GreenStar General

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

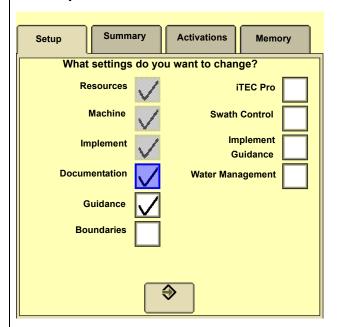


Using the Setup Wizard

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	@36	
3.	GS3 Softkey	es	3
Ο.	000 0011110y		_

4. Setup Tab



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











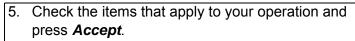








GreenStar General





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 ±

























GreenStar General

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



. 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

- 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.



















GreenStar General

Selecting a Field Manually		
1.	Menu	1
2.	GS3	@56
3. 4.	Resources / Conditions	ame. The
	Client is the land owner in many cases.	
Cr	eck Summary of Field Settings	
Ch	eck the setup information entered for a field name after sele	ecting a field.
1.	Menu	1
2.	GreenStar	636
3.	GreenStar Softkey	ess
4.	Summary Tab	Summary
Та	sk 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	@56
3.	Resources	- C





















GreenStar General

4.	Select Documentation OFF
7.	
	Mapping
G	o to Mapping
1.	Menu
2.	GreenStar
3.	Mapping
Se	etup Map Layers
	Map Settings
1.	Map Settings tab
2.	Select map to appear in the <i>Background</i>
	Examples: Prescription Map or Aerial Photo
	 Background maps are loaded from Apex or another desktop soft- ware
3.	Select map to appear in the <i>Foreground</i>
	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
	OTE: This button is only active when an Operation is setup for ocumentation.





















GreenStar General

Ec	lit Map Legend
1.	Mapping
2.	Edit Legend
	OTE: An As-applied or yield map must be setup in Documentation setup d selected as the Foreground Layer in Map Settings.
	Enter the preferred maximum and minimum values. The legend will be divided into five colors automatically.
Ma	apping (Recording) Diagnostics
	ecording will not start, go to Recording Diagnostics to determine stem status.
1.	Menu
2.	GS3
3.	GreenStar Diagnostics
4.	Select <i>Recording</i>





GS3 2630 Display

















GreenStar General

Record a Boundary

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



2. GreenStar

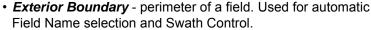
3. Mapping

Boundary 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**.....



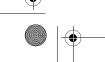
- Interior Passable Boundary perimeter of an obstacle in a field that can be crossed. Used for Swath Control and iTEC Pro™.
- Interior Impassable Boundary perimeter of an obstacle in a field that can NOT be crossed. Used for Swath Control and iTEC Pro.
- Headland Boundary delineates field headland. Used for Swath 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.

15.000























GreenStar General

- 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.





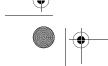




















GreenStar General

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 (v3.1 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 swath control maps from another GS3 2630
- 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.





GS3 2630 Display

















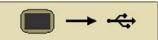
GreenStar General

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 of 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

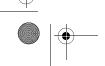
Begin Transfer

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



GS3 2630 Display

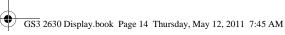
















GreenStar General

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.





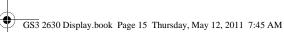
















GreenStar General

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.





















GreenStar General

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 versions, 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



GS3 2630 Display

Memory Used





















GreenStar General

4.	GreenStar	@36
5.	Memory Tab	Memory
	Erase Data	Erase Data
	Documentation Data	V
8.	Begin Removal	Begin Removal

Delete Coverage and Swath Control Maps

Delete Coverage and Swath 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



Map Settings 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 swath 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.



GS3 2630 Display













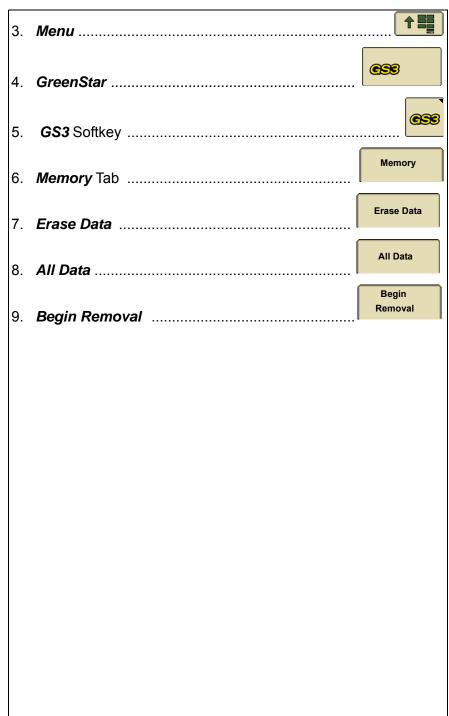








GreenStar General





















GreenStar General

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





GS3 2630 Display















GreenStar General

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.

❖ <u>Symptom</u>: 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.





















Guidance

Section Contents	
GUIDANCE INTRODUCTION	2
Go to the Guidance Map Page	2
Guidance Map Page Symbols	
Requirements for Guidance Operation	
AutoTrac Status Pie	4
CHOOSE TRACKING MODE	5
Straight Track Mode	5
AB Curve Mode	
Adaptive Curve Mode	
Circle Track Mode	
Row Finder Mode	6
GUIDANCE TRACK SETUP	7
Create a Straight Track AB Line	
Create an AB Curve Track	
Create an Adaptive Curve Track	
Turn Repeat Mode ON / OFF	
Create a Circle Track	
Row Finder Mode	
GUIDANCE SETTINGS	14
General Guidance Settings	14
Curve Track Settings	
Advanced AutoTrac Settings (if equipped)	15
SHIFT TRACK SETTINGS	16
Turn Shift Track ON / OFF	16
Set Guidance Line Shift Distance	16
Clear Guidance Line Shifts	16























Guidance

Guidance Introduction



This section includes basic functions for using Guidance.

Go to the Guidance Map Page

1. **Menu**





Guidance Map Page Symbols

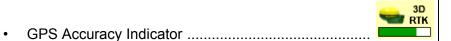
Pass Accuracy Indicator



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



Steering On / Off Button





GS3 2630 Display























Guidance

- 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

Requirements for Guidance Operation

- Field Boundaries
- Flags
- Read the AutoTrac Status Pie section for AutoTrac require-
- Read and understand OPERATE GUIDANCE SYSTEMS SAFELY section in the Safety Section of the Operators Manual.





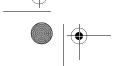




















Guidance



User Guide

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



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Guidance

Choose Tracking Mode

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

Straight Track Mode

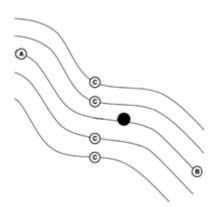
Straight Track mode assists operator in driving straight parallel paths by using display and audible tones to alert operator when machine is off track.

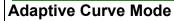


AB Curve Mode

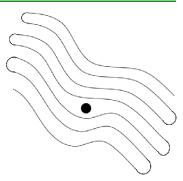
AB Curves allows an operator to drive a curved line in the field with end points at the ends of the field. Parallel lines are generated from the first pass.

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





Adaptive Curve Mode 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.







GS3 2630 Display

















Guidance



User Guide

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

Row Finder Mode

Circle Track 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.





GS3 2630 Display

















Guidance



User Guide

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 Guidance 2. Guidance Settings tab 3. Select Straight Track tracking mode View 4. **View** tab Set Track 0 5. **Set Track 0** 6. Select an existing track from the list or select New Remove 7. Select the **Method** to create the track 30.000 8. Enter *Track Spacing*

7























A + B Method

1. Drive to desired beginning of AB line and select Set A

Set A

Guidance

2. Select Set B Later

Set B Later

3. Drive toward desired end of AB line and press Set B

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

0.0000

Auto B Method

1. Drive to desired beginning of AB line and select Set A

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

41.49254355

-90.49357544

Lat / Long + Heading Method

1. Enter in coordinates for A and B points

-90.49357544

41.49254355

2. Enter in Desired Heading

0.0000























Guidance



User Guide

Cr	eate an AB Curve Track	
1.	Guidance	
١.	Guidance	
2.	View tab	View
3.	Set AB Curve	Set AB Curve
4.	Select an existing track from the list or select New.	Remove
5	Enter <i>Track Spacing</i>	30.000
	Drive to desired beginning of guidance line and select <i>Start Recording</i>	
rec	PORTANT: Wait for adequate GPS signal before s cording (orange or green bar graph, depending or on).	_
7. 8.	End Track Later	nd Track Later
9.	Stop Recording at the end of the guidance line	
*	Use the Pause button to connect a straight line between two points.	II























Create an Adaptive Curve Track 1. Guidance Guidance Settings 2. Guidance Settings tab 3. Select Adaptive Curves tracking mode View

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



Guidance

- ❖ 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.



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GS3 2630 Display















Guidance

Tu	rn Repeat Mode ON / OFF
1.	Guidance
2.	Guidance Settings tab Settings
3.	Select Adaptive Curves tracking mode
4.	Change Curve Track Settings
5.	Check <i>Repeat Mode</i> to turn it ON. Uncheck it to turn it OFF
Cr	eate a Circle Track
1.	Guidance
١.	Guidance
2.	Guidance Settings tab Settings
3.	Select Circle Track tracking mode
4.	View tab
5.	Set Circle
6.	Select an existing track from the list or select New .
	New Remove
7.	Enter <i>Track Spacing</i>
8.	Select the <i>Method</i> to create the track
<u>Dr</u>	iving Method





GS3 2630 Display















User Guide Guidance

 Drive along an outer wheel track of the irrigation pivo 	1.	Drive along	an outer	wheel	track o	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 pivot.



2. Accept



Row Finder Mode

1. First set *Track Spacing* in Equipment settings

Guidance





Settings 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.





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GS3 2630 Display















Guidance

Change Track Spacing



1. Guidance

View tab

3. Set Track 0 or Set Curve

Set Curve

4. Enter Track Spacing

30.000

- 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.



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GS3 2630 Display



















Guidance

	Guidance Settings				
Ge	eneral Guidance Settings				
1.	Menu				
2.	GS3				
3.	Guidance softkey				
	Guidance Settings tab Guidance Settings				
5.	Select Tracking Mode to access settings specific to that mode				
Cu	irve Track Settings				
	Choose Curve Track Recording source				
	Smooth Tight Turns ON / OFF				
	Smooth Tight Turns OFF Smooth Tight Turns ON				





GS3 2630 Display

















Guidance

- Implement In-Ground Turn Radius

 Clear

 Clear

 Clear
- Clear Adaptive Curves Data

 Data
- Repeat Mode

 E: When recording a new path, repeat mode should be unchecked or

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.

ulo Hac Ac	ivanced settings are a	valiable of ity o	ii soille veill	sie types.
?	Line Sensitivity Heading		50	+
?	Line Sensitivity Tracking		50	+
?	Heading Lead		50	+
?	Steering Response Rate		50	+
7	Curve Sensitivity		50	1

? Describes each function

Acquire Sensitivity



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Guidance

Shift Track Settings 1. **Guidance** softkey Shift Track Settings 2. Shift Track Settings Tab

Turn Shift Track ON / OFF

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
- Shift Track Settings 2. Shift Track Settings Tab
- Clear all shifts 3. Select Clear all shifts















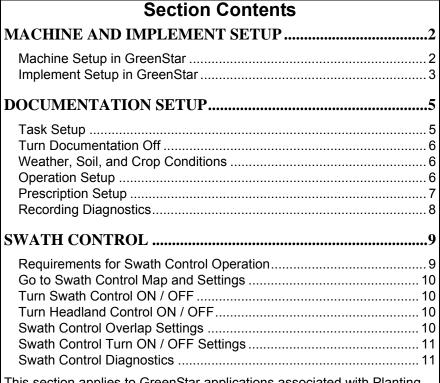








Planting/Seeding



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





















Planting/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 Swath Control relies on accurate settings. Settings that are automatically detected will be grayed out.

	Machine	Setup	in	Green	Star
--	---------	-------	----	-------	------

I Ме	וומפ		

2. **GS3**



4. **Machine** tab

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.

Change Offsets



GS3 2630 Display

















Planting/Seeding

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

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.

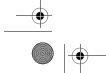
- ❖ Machine Turn Radius is only needed for curve track and iTEC Pro.
- * Turn Sensitivity is only needed for iTec Pro.

lm	plement Setup in GreenStar		
1.	Menu		↑
2.	GS3		GSS
3.	Equipment softkey		
4.	Implement tab		Implement
5.	Select Implement Type		\$
	TE: Changing an implement Type that is automation uire turning off and restarting the machine.	cally de	etected may
6.	Select <i>Model</i> (Optional)		\$
7.	Select or create an <i>Implement Name</i>		\$
NO nar	TE: Implement settings will be saved under the cune.	rrent in	nplement



GS3 2630 Display

















Planting/Seeding

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

Change Offsets

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.





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Planting/Seeding

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*



GS3

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.

































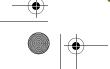
Planting/Seeding

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 Conditions 2. **Conditions** tab NOTE: If entering Conditions information, remember to change the information every field or as conditions change. **Operation Setup GS3** 2. **GS3** 1 3. **Documentation** softkey NOTE: If a John Deere SeedStar planter or air cart is connected, a Planting/Seeding tab is automatically created New 4. Select **New** tab Planting / Seeding 5. Select *Planting / Seeding*



GS3 2630 Display

















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	Planting / Seeding
7.	Select Seed Type	
		Add Variety

NOTE: Settings with an asterisk * are required.

8. Add Variety

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

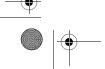
NOTE: If applying multiple prescriptions, operator must choose a prescription for each operation. If applying the same product in 2 or more tanks, operator needs a prescription for each tank.

1.	Documentation softkey	
2.	Planting / Seeding	 \$
3.	Prescription	 Rx
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.























Planting/Seeding

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*



3. GreenStar Diagnostics



4. Select **Recording**























Planting/Seeding

Swath Control



Swath Control automatically turns sections ON and OFF when crossing:

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

Requirements for Swath Control Operation

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

- Swath Control activation on display *
- Swath capable controller is detected *
- · Implement must be lowered into the ground
- · Master switch is ON
- Section switch is in the ON position
- · Swath 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.

























Planting/Seeding

Go	to Swath Control Map and Settings	
1.	Menu	1
2.	GS3	956
3.	Swath Control softkey	
Tu	rn Swath Control ON / OFF	
NC imp	Swath Control softkey TE: This softkey is only available when a Swath Control colement is connected and a valid Swath Control activation of the display.	apable
2	Sattings tob	Settings
3.	Settings tab	n 🗸
4.	Check the box for Swath Control Master to turn it of	on 🗸
Tu	rn Headland Control ON / OFF	
1.	Swath Control softkey	Settings
2.	Settings tab	
3.	Check the box for <i>Headland Control</i> to turn it on	
Sw	vath Control Overlap Settings	
Use	e Swath Control settings to adjust for desired skips and over	erlaps.





















Planting/Seeding

1.	Swath Control softkey		
2.	Settings tab	ſ	Settings
3. 4.	Overlap Settings	ies and	previously
Sv	vath Control Turn ON / OFF Settings		
1.	Swath Control softkey		
2.	Settings tab		Settings
3.	Turn On / Off Settings		Off Settings
	Set Turn ON / Turn OFF times for each ope TE: Turn ON / Turn OFF times adjust for the physays of the implement.		0.3
	PORTANT: A map recorded with poor GPS appearance the Turn ON / Turn OFF times	_	
	• Range: 0.3–15 seconds		
	Default Turn ON time: 1.0 s		
	Default Turn OFF time: 0.6 s		
	TE: Driving 6 mph (9.7 kph), the machine will move econd and 10.5 inches (0.27 m) in 0.1 second.	/e 8.8 fee	et (2.7 m) in
Sv	ath Control Diagnostics		
If S	wath Control is not functioning properly, check this	s page.	
1.	Menu		†



GS3 2630 Display

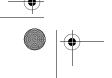


























Product Application

Section Contents	
MACHINE AND IMPLEMENT SETUP	2
Machine Setup in GreenStar Implement Setup in GreenStar	2 3
DOCUMENTATION SETUP	5
Task Setup Task Setup Turn Documentation OFF Weather, Soil, and Crop Conditions Operation Setup Prescription Setup Recording Diagnostics	667
SWATH CONTROL	10
Requirements for Swath Control Go to Swath Control Map and Settings Turn Swath Control ON / OFF Turn Headland Control ON / OFF Swath Control Overlap Settings Swath Control Turn ON / OFF Settings Swath Control Diagnostics	11 11 11 11
SET UP SWATH CONTROL ON JOHN DEERE S (EUROPE ONLY)	
700i and 800i John Deere Pulled-Type Sprayers5430i John Deere Self-Propelled Sprayers	
This section applies to GreenStar applications associated will Application, including:	ith Product
Spraying	



Spreading























Product Application

Machine and Implement Setup



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

ľ	Иa	ch	inΔ	Setu	n in	Grad	anSta	ľ
ı	via	CH	IIIE	Setu	ווו ט	Gree	HIIOLA	U

	↑≣
Menu	=

2	GS3	
۷.	000	

8.	Equipment softkey	 	
		Mac	hine

4.	Machine tab		

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

5. Select *Machine Type*

		 _
6.	Select <i>Model</i> (Optional)	¥
	(-	

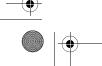
NOTE: Machine settings will be saved under the current machine name.





GS3 2630 Display

















Product Application





- Rear-mounted boom / spreader: Rear Rigid 3-pt
- Front-mounted boom: Front Rigid 3-pt
- Pull-behind sprayer / spreader: Rear Pivot Drawbar
- Select *Change Offsets* to verify and change them as needed.

Change Offsets

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

 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**



Page

4. **Boom** tab

5. Select *Implement Type*

6. Select *Model* (Optional)





















Product Application

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.

Change Offsets

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

Change Widths

- 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-
- 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.



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Product Application

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**

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.

























Product Application

Task Setup	
Client, Farm, Field, and Task selections are required for Docume	entation.
1. Menu	
2. GS3	3
3. Resources	
4. Select or create a <i>Task</i>	\$
NOTE: If selecting a new Task for a Field Name that has a previous recorded Coverage map, go to Map Settings and clear the Cover to record a new Coverage map.	•
Turn Documentation OFF	
If Documentation is not needed, turn it OFF to avoid extra setup	
Resources Select or create a <i>Task</i>	+
Weather, Soil, and Crop Conditions	
Optional inputs that are set manually.	
1. Resources	
2. Conditions tab	onditions
NOTE: If entering Conditions information, remember to change information every field or as conditions change.	the



















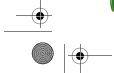


Product Application

Operation Setup		
1. Menu	1	
2. GS3	@S6	
3. Documentation softkey		
NOTE: If a John Deere sprayer or spray	ver is connected, Product	
Application tabs may be automatically c each bin or tank.	reated. There should be a tab for	
each bin or tank.		
4. Select New tab	New	
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		
an Operation tab or disconnecting the in last map recorded with that Operation w	pplement controller. Otherwise the	
an Operation tab or disconnecting the im	aplement controller. Otherwise the vill no longer be able to be viewed	
an Operation tab or disconnecting the in last map recorded with that Operation won the display.	pplement controller. Otherwise the vill no longer be able to be viewed Product Application	
 an Operation tab or disconnecting the inlast map recorded with that Operation won the display. 6. Product Application tab 	pplement controller. Otherwise the vill no longer be able to be viewed Product Application Mix coftware should appear in the	
 an Operation tab or disconnecting the imlast map recorded with that Operation won the display. 6. Product Application tab 7. Select Single Product or Tank NOTE: Tank Mixes created in desktop services. 	Product Application Mix coftware should appear in the be created on the display. Add	
 an Operation tab or disconnecting the imlast map recorded with that Operation won the display. 6. Product Application tab 7. Select Single Product or Tank in NOTE: Tank Mixes created in desktop stank Mix Name list. One tank mix may be selected. 	Product Application Mix coftware should appear in the be created on the display. Add Carrier	
 an Operation tab or disconnecting the imlast map recorded with that Operation won the display. 6. Product Application tab	Product Application Mix coftware should appear in the be created on the display. Add Carrier Add Product Add Product	
an Operation tab or disconnecting the imlast map recorded with that Operation won the display. 6. Product Application tab	Product Application Mix coftware should appear in the be created on the display. Add Carrier Add Product	



















Product Application
♦
Application Method and
tions that are automatically I and detected, will have the peration will not be documented.
operator must choose a g the same product in 2 or more each tank.
Product Application
Product
Product Application

- 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.

0

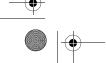
NOTE: Look Ahead is an adjustment to compensate for the delay between the control unit making the rate change and the implement responding.

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

15%



















Product Application

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 1. **Menu**

2. **GS3**

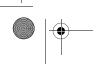


4. Select **Recording**























Product Application

Swath Control



Swath Control automatically turns sections ON and OFF when crossing

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

Requirements for Swath Control

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

- Swath Control activation on display *
- Swath capable controller is detected *
- · Master spray switch is ON
- Section switch is in the ON position
- · Swath 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























Product Application

Go	to Swath Control Map and Settings
1.	Menu
2.	GS3
3.	Swath Control softkey
Tu	rn Swath Control ON / OFF
	Swath Control softkey
imp	TE: This softkey is only available when a Swath Control capable element is connected and a valid Swath Control activation is entered the display.
2.	Settings tabSettings
3.	
4.	Check the box for Swath Control Master to turn it on
Tu	rn Headland Control ON / OFF
1.	Swath Control softkey
2.	Settings tab
3.	Check the box for <i>Headland Control</i> to turn it on
Sw	vath Control Overlap Settings
Use	e Swath Control settings to adjust for desired skips and overlaps.



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Product Application

1.	Swath Control softkey
2.	Settings tab
	Overlap Settings
Swath Control Turn ON / OFF Settings	
1.	Swath Control softkey
2.	Settings tab
	Turn On / Off Settings Set Turn ON / Turn OFF times for each operation 0.3
NC	OTE: Turn ON / Turn OFF times adjust for the physical delays

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

of the implement.

• Default Turn ON time: 1.0 s

• Default Turn OFF time: 0.6 s

NOTE: Driving 16 mph (25.7 kph), the machine will move 23.5 feet (7.2 m) in 1 second.

Swath Control Diagnostics

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



2 GS3





GS3 2630 Display

















Product Application

3.	GreenStar Diagnostics	
4.	Select Swath Control	T
1		





















Product Application

Set up Swath Control on John Deere Sprayers (Europe only)				
70	0i and 800i John Deere Pulled-Type Sprayers			
1.	Menu			
2.	Sprayer			
3. 4.	Job Settings Select Control & Doc from the Task Controller drop-down list to enable Documentation, Coverage Mapping, and Section Control.			
5.	Select <i>Control</i> from the Task Controller drop-down list to enable only Section Control.			
54	30i John Deere Self-Propelled Sprayers			
There are no specific setup requirements to enable Sprayer Pro™ in the 5430i Sprayer menu. As soon as the Swath Control checkbox is active the system is enabled.				
1.	Menu			
2.	GS3			
3.	Swath Control softkey			
4.	Summary tab			
5.	Check box for Swath Control			
土	JOHN DEERE 14 GS3 2630 Display			





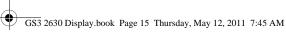










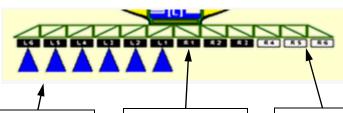






Product Application

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 Swath 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.





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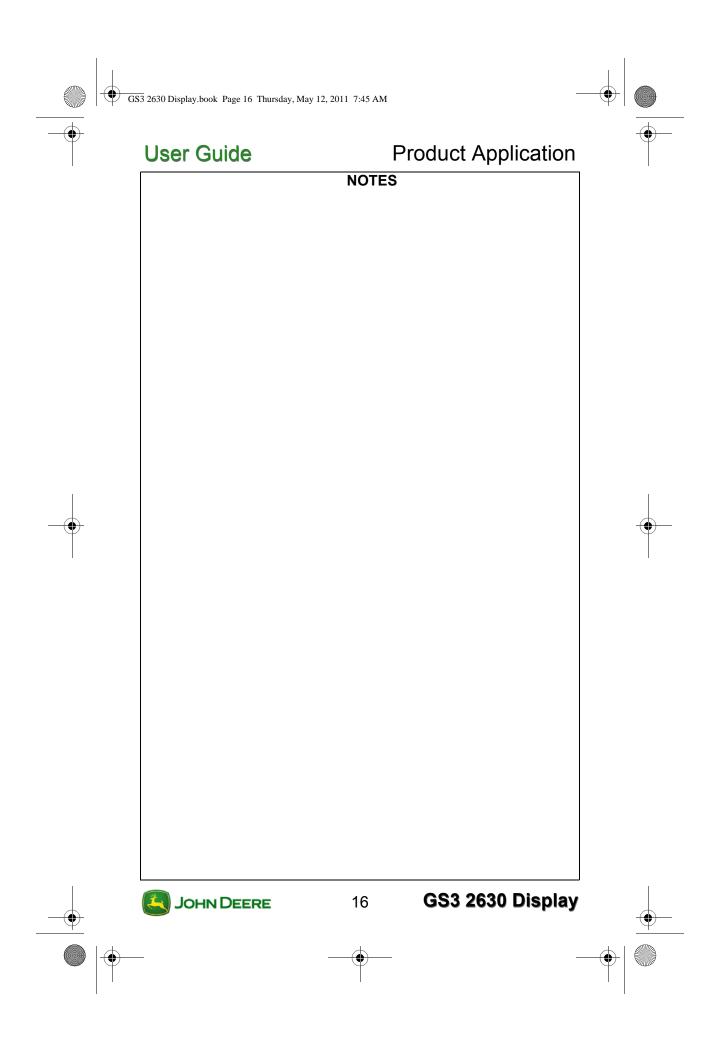




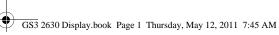
















Harvest

Section Contents		
MACHINE AND HEADER SETUP	2	
Machine Setup in GreenStar Header Setup in GreenStar	3	
Cut Width Adjustment DOCUMENTATION SETUP		
Task Setup Turn Documentation OFF Operation Setup Turn Variety Locator ON / OFF	5 5	

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

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





























User Guide Harvest

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	enu	1	

ESS 2. **GS3**



Machine 4. **Machine** tab

5. Select *Machine Type*

NOTE: This setting will determine which options are displayed on the Implement tab.



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.

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





GS3 2630 Display



















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

Change Offsets

Harvest

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

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



NOTE: If selection box is grayed out, the Recording Source has been auto-detected 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



Hoodor

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

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

Change Offsets



GS3 2630 Display



















User Guide Harvest

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

Widths

- 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

Header

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























Harvest **Documentation Setup**

Optional



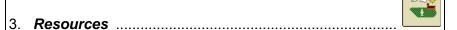
Setup Documentation when it is desired to calculate Harvest Totals and map yield or moisture.

Task Setup

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

1. Menu

2. **GS3**



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





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GS3 2630 Display



















Harvest

Or	peration Setup		
1.	<i>Harvest</i> tab	[Harvest
2.	Enter Crop Type		\$
3.	Enter Variety		\$
NC	OTE: Only settings with an asterisk * are required.		
Tu	urn Variety Locator ON / OFF		
1.	<i>Harvest</i> tab	[Harvest
2.	Change Harvest Settings	ge Ha	arvest Settings
3.			
	OTE: Variety Locator requires a variety map loaded fronftware.	om A	Apex desktop



















Performance Monitor

Section Contents	
MONITOR MACHINE PERFORMANCE	2
View in Performance Monitor	
PERFORMANCE MONITOR SETUP	
Setup Area Counter	3
PERFORMANCE MONITOR TOTALS	4
Acre Counter Manual Start and StopResetting Performance Monitor Totals	4 5

























Performance Monitor

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



3. Performance Monitor Main

1 2 3 4. Performance Monitor Totals

View on Homepages

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



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GS3 2630 Display















Performance Monitor

	Performance Monitor Setup		
Se	etup Area Counter		
1.	Menu	↑	
2.	Performance Monitor		
3.	Setup	仓	
4. 5.	Enter Implement Width Select a control source to start and stop the A available options depend on the vehicle configure.	rea Counter. The	
	Synchronize with GreenStar Map Recording Source (Recommended)	GreenStar	
	Implement Whisker Switch		
	Use source from John Deere implement	AUTO 💠	
	• Manual		
	Front Hitch		
	Rear Hitch		





















Performance Monitor

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







ON 123























Performance Monitor

Re	esetting Performance Monitor Totals
5.	Menu
6.	Performance Monitor
7.	Totals
8.	Reset Distance
9.	Reset Acres
	ere are two reset buttons on the page. Each is displayed within the oup of values that it resets.















