



This document is designed to provide basic support for implementing variable rate seeding in common precision ag equipment. It is neither an operating manual nor a set-up guide for the monitor. Rather, it is a general set of principles designed to provide help with trouble shooting while preparing for a VRS operation.

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*Prescription File Management*



# Prescription File Management

## John Deere GS3

1

When using shapefiles for VRS Prescriptions, there will typically be 4 unique file types (\*.shp, \*.shx, \*.dbf, and \*.prj) for each prescription generated.

Prescription units must be in **seeds per acre**.

2

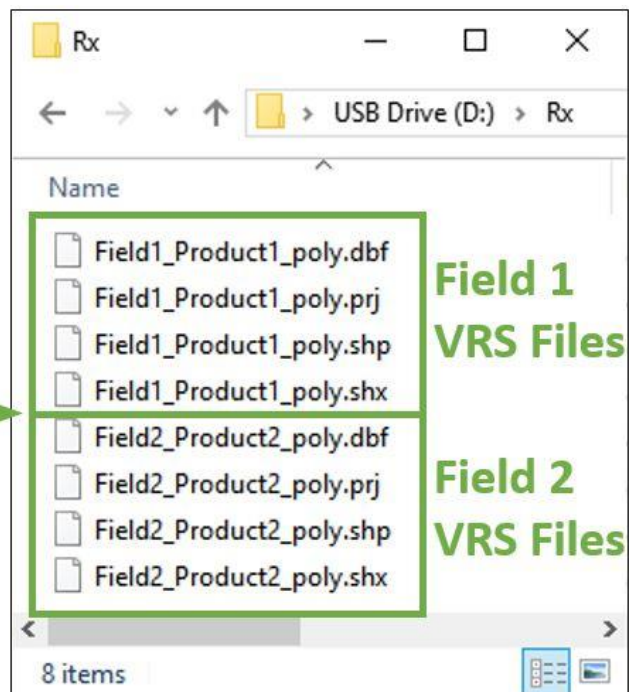
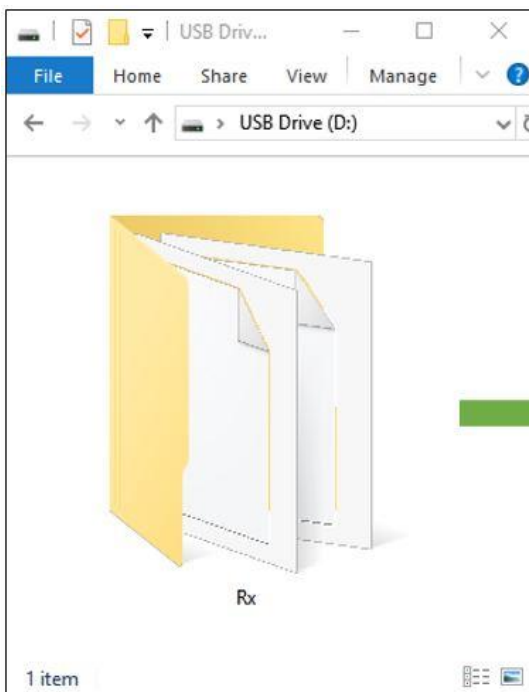
**Tip:** The GS3 display only shows 26 characters.

3

On a blank USB thumb drive, create a folder named "Rx" at the highest level of the drive (i.e. D:Rx).

Using Windows Copy/Paste tools, copy all the individual shapefiles into this folder. There are four files per field, so for a customer with more than one prescription per field, there will be several files in this new Rx folder.

Multiple VRS shapefiles can be in the same folder. To help identify the correct shapefile to use in the field, use the field name and product name to name the shapefile.




*Importing VRS Prescription Files*

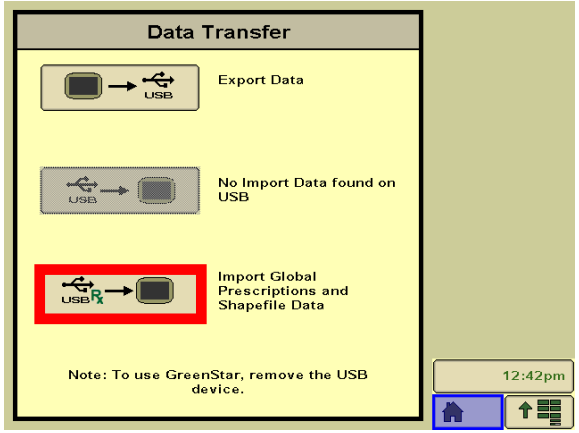


# Importing VRS Prescription Files John Deere GS3

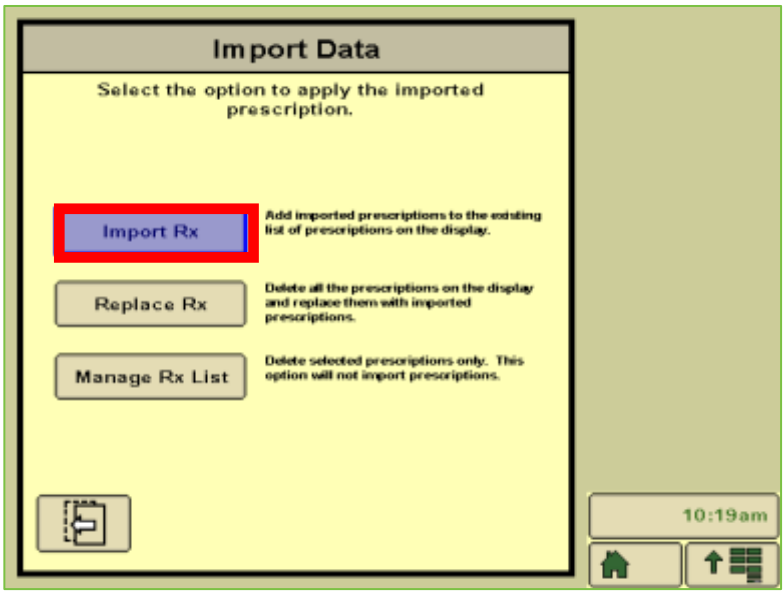
**1** Insert the USB drive containing the Rx Folder and shapefiles into the GS3 display.



**2** Once the flash drive is inserted, the Data Transfer page will appear. Press "USB Rx".

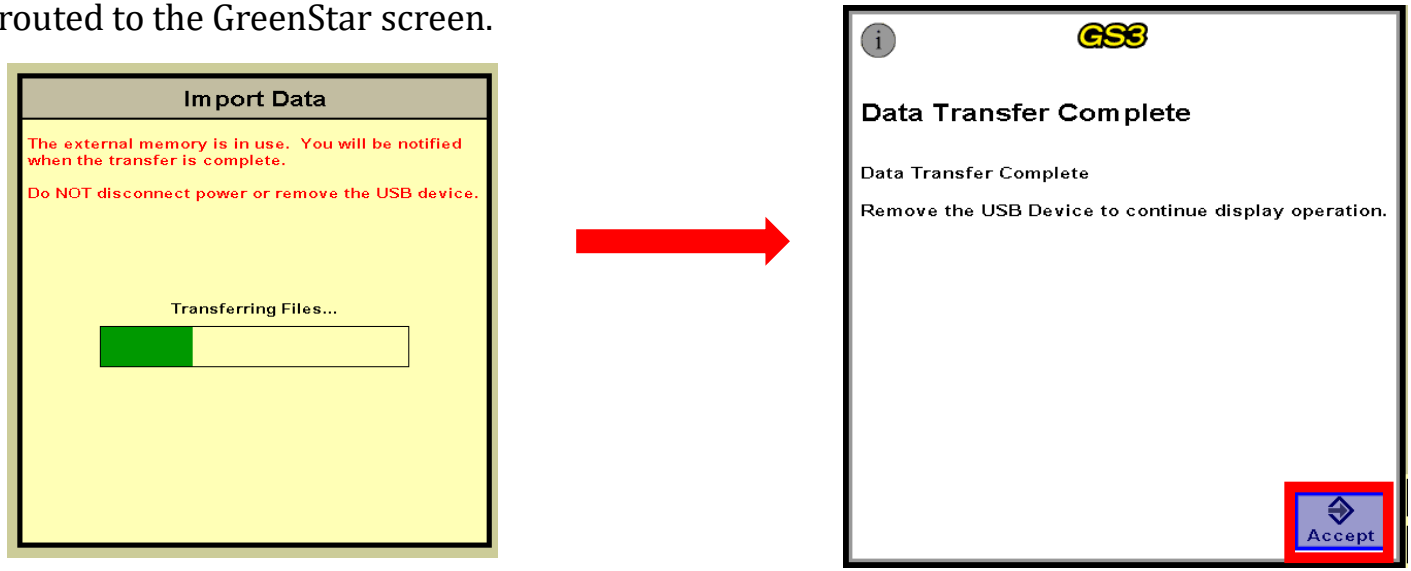


**3** On the Import Data page press Import Rx. **Note: This will load all the files from the flash drive onto the monitor.**



**Tip:** Replace Rx will replace all rx maps on the display with the ones on the USB stick to conserve space. Make sure current operations are done with Rx files before replacing.

**4** Once the files have been successfully loaded onto the monitor a Data Transfer Complete message will appear. Remove the flash drive and press "Accept" and you will return be routed to the GreenStar screen.



*Cleaning up Prescriptions*



# Cleaning up Prescriptions John Deere GS3

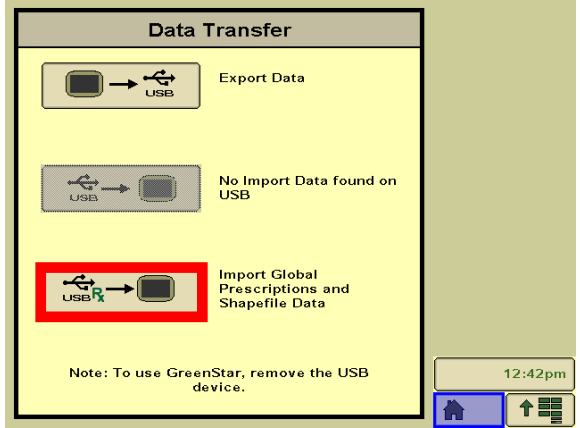
1

Insert the USB drive containing the Rx Folder and shapefiles into the GS3 display.



2

Once the flash drive is inserted, the Data Transfer page will appear. press "USB Rx".

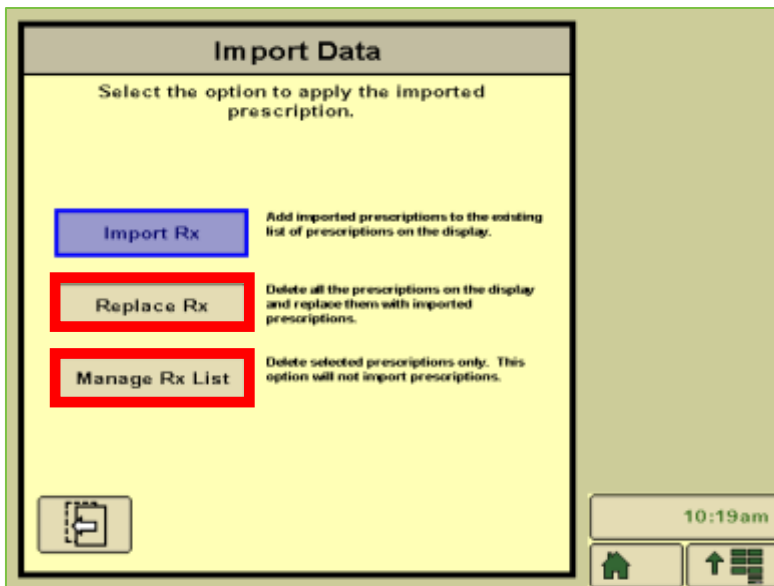


3

There are two options for Cleaning up prescription files Replace Rx and Manage Rx List.

1. **Replace Rx** will replace all of the prescriptions already on the monitor with the ones from the USB stick.
2. **Manage Rx List** allows for selected prescription to be deleted.

**Tip:** The USB must have an Rx Folder with prescriptions before being able to select Replace Rx or Manage Rx List.

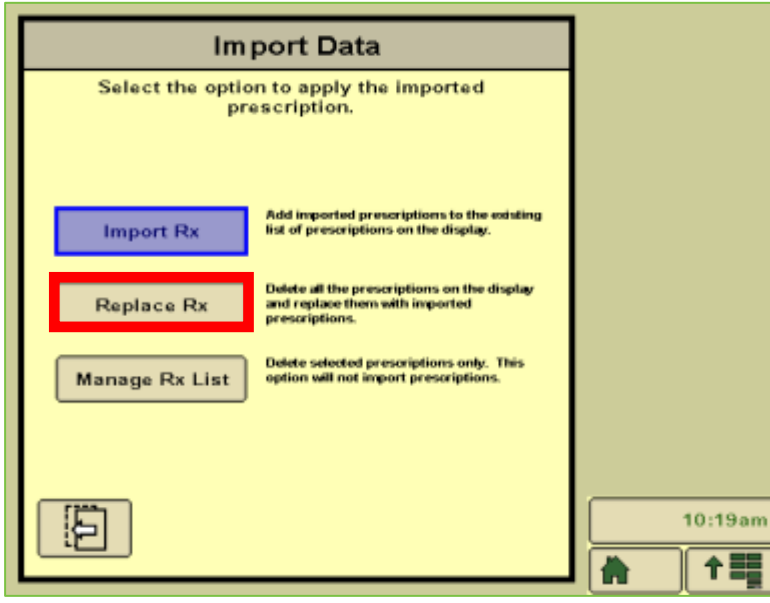


# Cleaning up Prescriptions John Deere GS3

## 4a

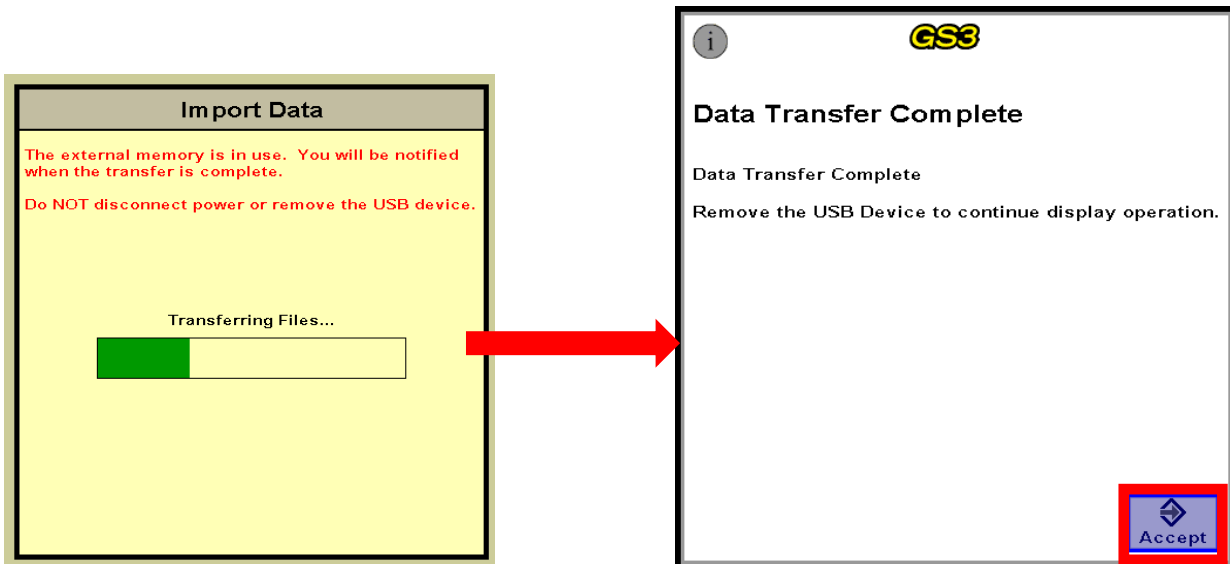
### Option 1: Replace Rx

On the Import Data page press **Replace Rx**. Note: **This will replace all rx maps on the display with the ones on the USB stick to conserve space. Make sure current operations are done with Rx files before replacing.**



## 5a

Once the files have been successfully loaded onto the monitor a Data Transfer Complete message will appear. Remove the flash drive and press "Accept" and you will return be routed to the GreenStar screen.

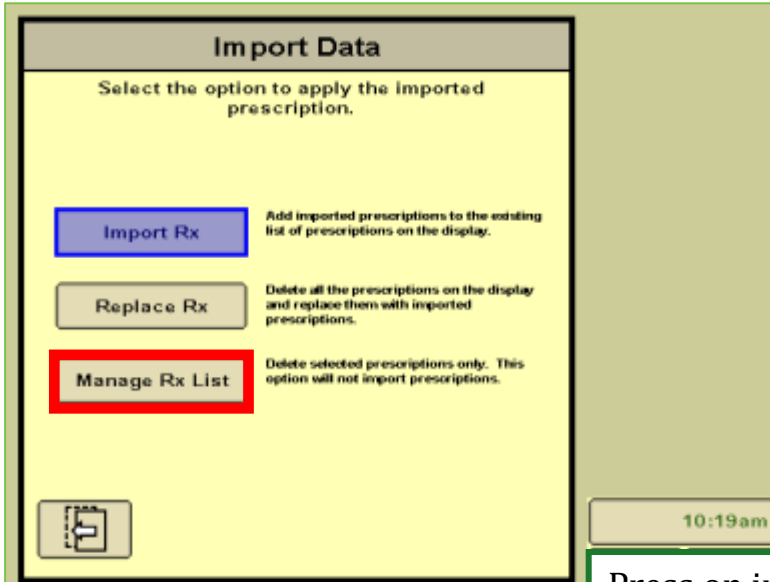


# Cleaning up Prescriptions John Deere GS3

## 6b

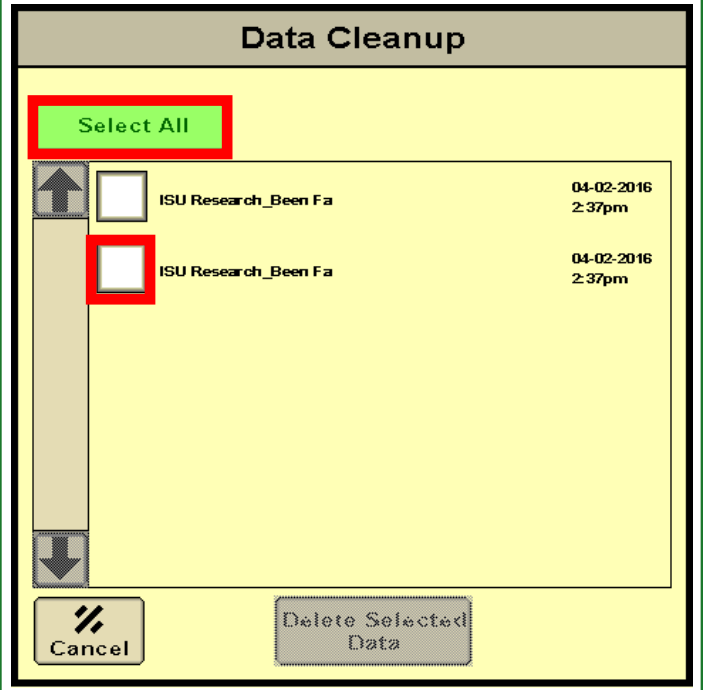
### Option 2: Manage Rx List

On the Import Data page press **Manage Rx List**.



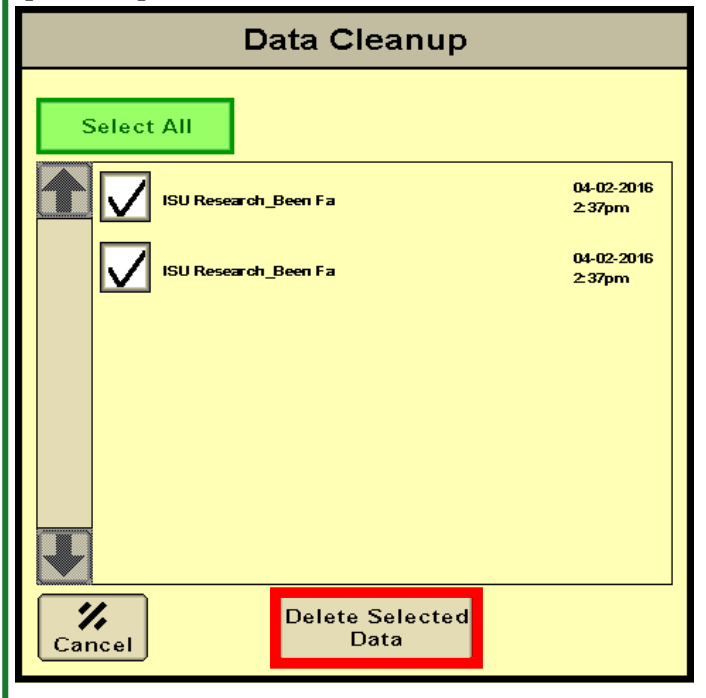
## 7b

Press on individual prescriptions by selecting the **box** next to file name or select all by pressing on **Select All**.



## 8b

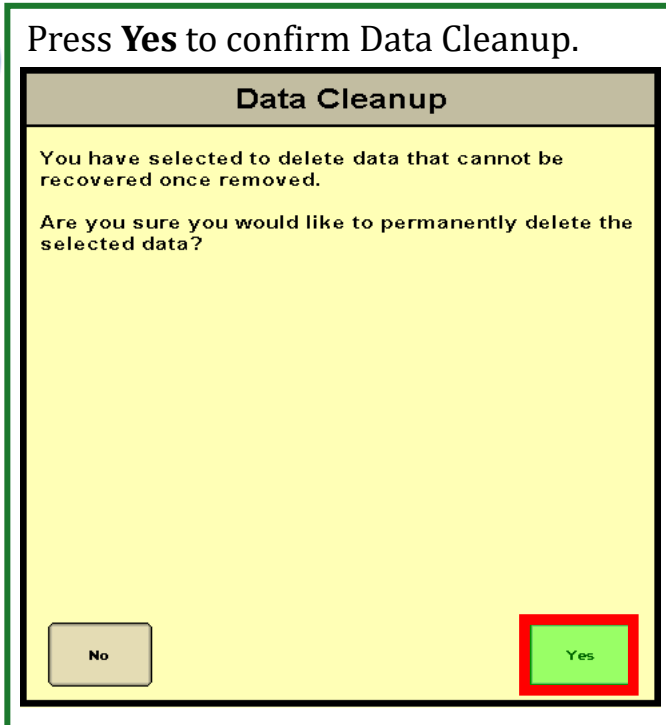
Press on Delete Selected Data to remove prescriptions.



# Cleaning up Prescriptions John Deere GS3

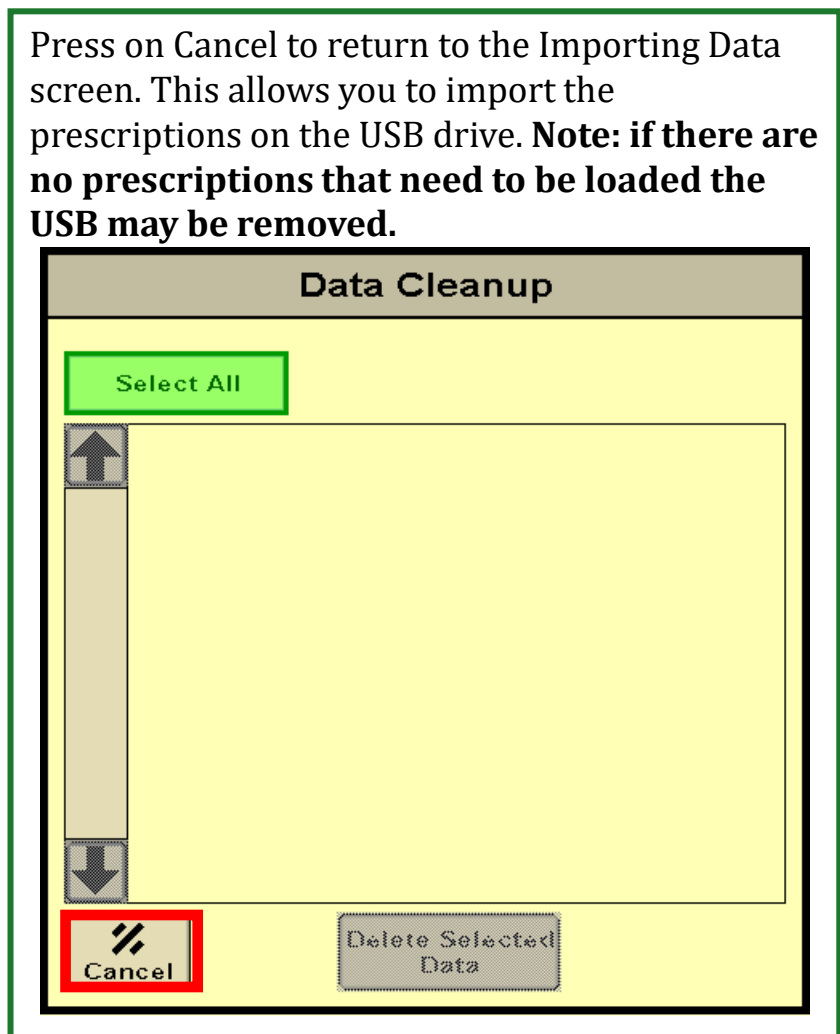
9b

Press **Yes** to confirm Data Cleanup.



10b

Press on Cancel to return to the Importing Data screen. This allows you to import the prescriptions on the USB drive. **Note: if there are no prescriptions that need to be loaded the USB may be removed.**

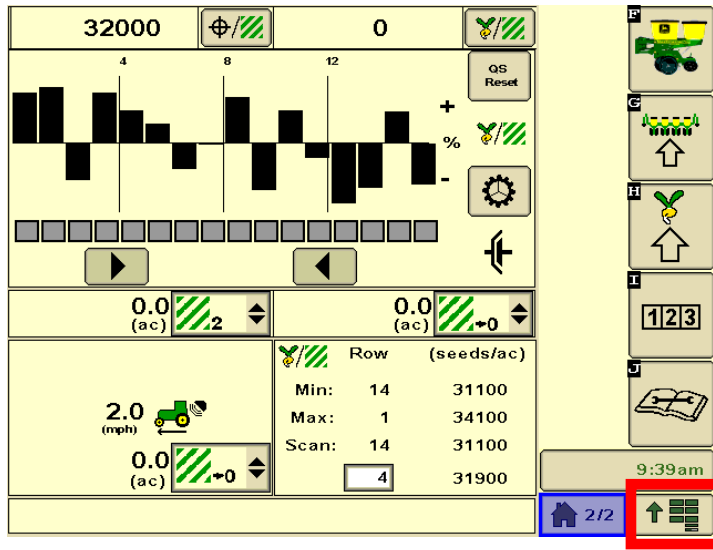


*Selecting VRS Prescription Files*



# Selecting VRS Prescription Files John Deere GS3

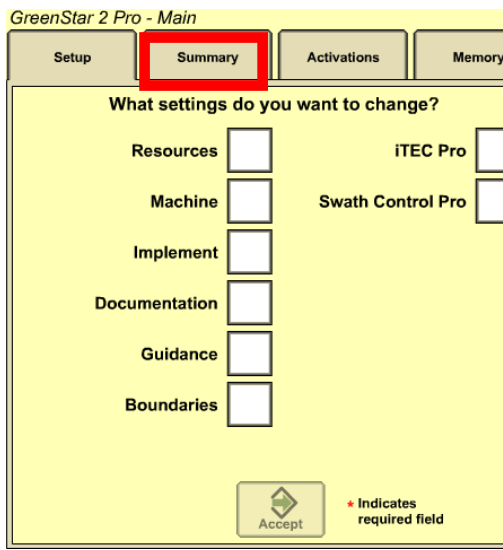
**1** From the Planting screen press the Menu button on the bottom right hand side of the screen. **Note: The Menu button is available on every screen.**



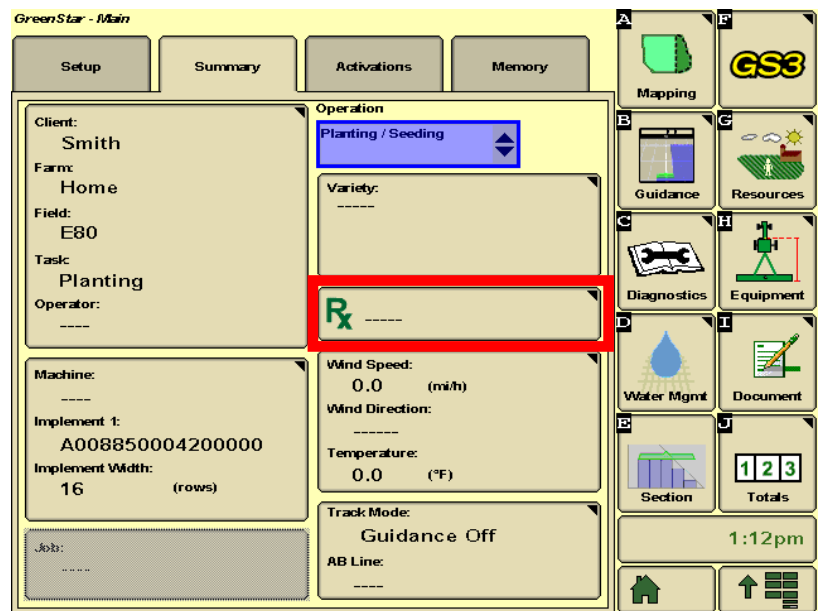
**2** In the Menu screen press the GS3 button.



**3** Press the **Summary** tab to changes varieties. If unable to see this screen, press the **GS3** button in the upper right corner of the screen.



**4** Be sure the grower information (Client, Farm, Task, etc.) are populated correctly. Press the **Rx** box to select the correct VRS map. **Note: The Operation field should read Planting/Seeding.**



# Selecting VRS Prescription Files

## John Deere GS3

**5** In the Prescription page press **Shapefile** under the Prescription drop down menu.

The screenshot shows the 'Prescription' page with a dropdown menu labeled 'Prescription' highlighted in red. Below it are fields for Name, Date Created, Product Type, Rate Units, and Look Ahead (sec) set to 0.0. A table shows Min, Max, and Out of Field values for two columns, with a Prescription Multiplier (%) of 100. At the bottom, there is a 'Prescription Rate' of 0 (seeds/ac) and 'Cancel' and 'Accept' buttons.

**6** In the Shapefile Conversion page under the Shapefile drop down menu press to select the correct Field.

The screenshot shows the 'Shapefile Conversion' page with a dropdown menu labeled 'Shapefile' highlighted in red. Other fields include Name, Column, Product Type, Rate Units, Out of Field Rate (0.00), and Loss of GPS Rate (0.00). A note at the bottom states 'The prescription may differ from the shapefile after conversion.' and there are 'Cancel' and 'Accept' buttons.

**7** In the Shapefile Conversion page make sure the Column is set to the attribute value for seeding rate. This is typically not the default.

Common tags for this are Tgt\_Rate, Target\_Rate, or Seeding\_Rate among others.

The screenshot shows the 'Shapefile Conversion' page with the 'Column' dropdown menu highlighted in red. The 'Shapefile' is 'E80 seeds\_poly' and the 'Name' is 'E80 seeds\_poly'. The 'Product Type' is empty, and 'Rate Units' is 'seeds/ac'. 'Out of Field Rate' and 'Loss of GPS Rate' are both 0.00. A note at the bottom states 'The prescription may differ from the shapefile after conversion.' and there are 'Cancel' and 'Accept' buttons.

**8** For the Product Type drop down menu press to choose **Seeds by Seed Count**.

The screenshot shows the 'Shapefile Conversion' page with the 'Product Type' dropdown menu highlighted in red. The 'Shapefile' is 'E80 seeds\_poly', 'Name' is 'E80 seeds\_poly', and 'Column' is 'Tgt\_Rate\_s'. The 'Product Type' is 'Seeds by Seed Count'. 'Rate Units' is 'seeds/ac', 'Out of Field Rate' is 0.00, and 'Loss of GPS Rate' is 0.00. A note at the bottom states 'The prescription may differ from the shapefile after conversion.' and there are 'Cancel' and 'Accept' buttons.

# Selecting VRS Prescription Files

## John Deere GS3

**9** Enter in Rates for Out of Field and Loss of GPS. This will insure that the planter will continue planting, if for some reason the prescription map doesn't totally cover the field dimensions or loss of GPS. Press the box next to each

**Shapefile Conversion**

Shapefile: E80 seeds\_poly

Name: E80 seeds\_poly

Column: Tgt\_Rate\_s

Product Type: Seeds by Seed Count

Rate Units: seeds/ac

Out of Field Rate: 0.00

Loss of GPS Rate: 0.00

The prescription may differ from the shapefile after conversion.

**10** After pressing the box next to the rate a calculator will appear, use this to enter in the target rate you would like to use. Press **Accept** when you're finished. **Example 33000 seeds per acre.**

33000

1 2 3 ←

4 5 6

7 8 9

. 0 +/-

**11**

Once the page is correct press **Accept** at the bottom right side.

**Shapefile Conversion**

Shapefile: E80 seeds\_poly

Name: E80 seeds\_poly

Column: Tgt\_Rate\_s

Product Type: Seeds by Seed Count

Rate Units: seeds/ac

Out of Field Rate: 33000.00

Loss of GPS Rate: 33000.00

The prescription may differ from the shapefile after conversion.

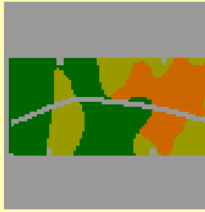
**12**

If everything looks good on the Shapefile Conversion page press **Accept**.

**Shapefile Conversion**

The shapefile conversion succeeded.

Total Area:	47.33	(ac)
Total Product:	1609925	(seeds)
Maximum Rate:	38000	(seeds/ac)
Minimum Rate:	28000	(seeds/ac)
Average Rate:	34012	(seeds/ac)



Please check the results and accept or cancel the conversion.

# 13

If everything looks good on the Prescription page press **Accept**. You should see the VRS map name for the field.

**Prescription**

Prescription: E80 seeds\_poly

Name: E80 seeds\_poly

Date Created: 1/13/2014

Product Type: -----

Rate Units: seeds/ac

Look Ahead (sec): 0.0

Min	28000.00	28000.00	Prescription Multiplier (%) 100
Max	38000.00	38000.00	
Out of Field	33000.00	33000.00	
Loss of GPS	33000.00	33000.00	

Prescription Rate: 33000 (seeds/ac)

# 14

Make sure the Prescription is showing the correct VRS map.

GreenStar - Documentation

Corn New

\* Seed Type: Corn

Prescription: E80 seeds\_poly

Implement Name: A008850004200000

Variety A (seeds/ac)

1	31998
2	31998

Assign Variety to Rows

4 8 12 16

1 8 2

Disable Operation Advanced Settings Rx

Mapping GS3

Guidance Resources

Diagnostics Equipment

Water Mgmt Document

Section Totals 1 2 3

2:10pm

## *Selecting the Rx Rate*

In order to plant the rates in the prescription, you must be using the “Rate 6” option, which uses the prescription rates. This section will walk you through how to enable this.

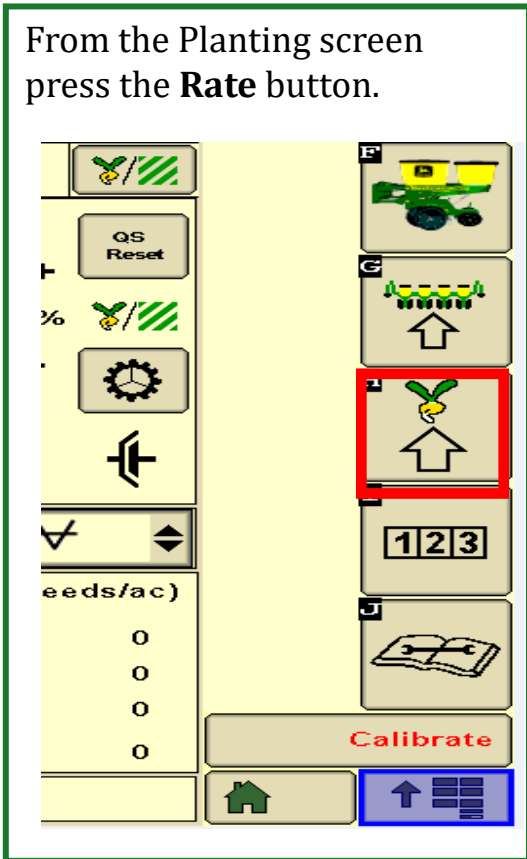


# Selecting the Rx Rate

## John Deere GS3

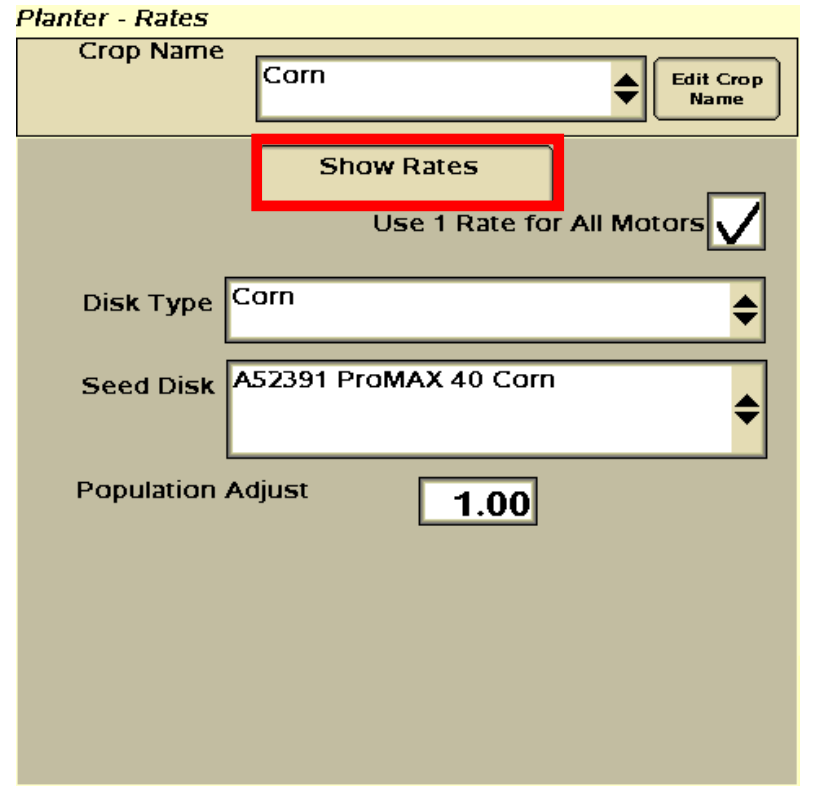
1

From the Planting screen press the **Rate** button.



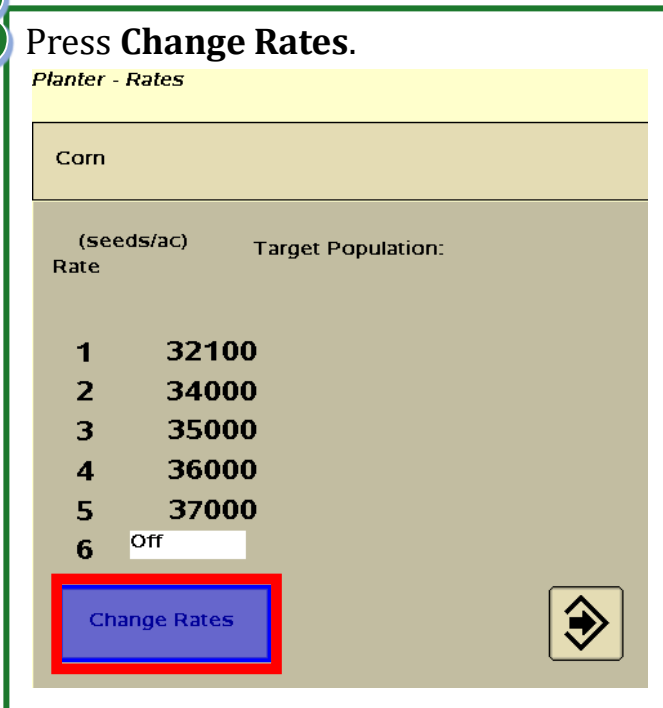
2

From the Rate window press **Show Rates**.



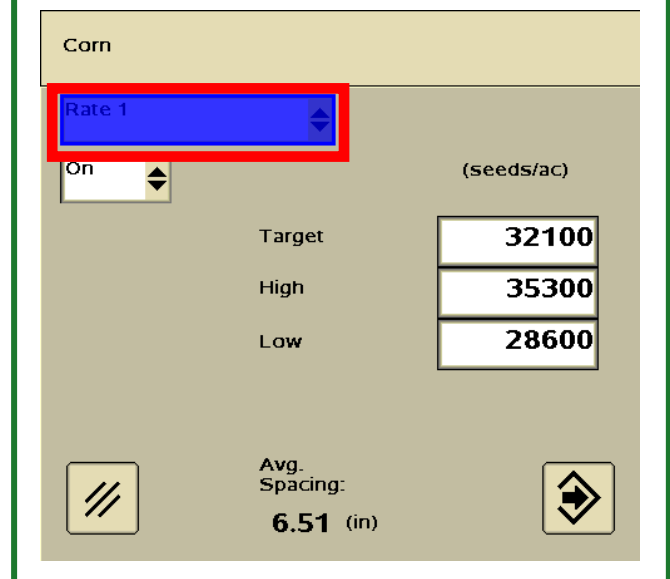
3

Press **Change Rates**.



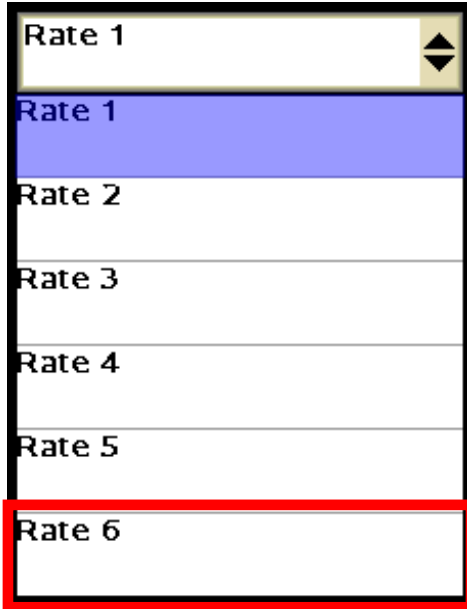
4

Press the field with the Rate number.



# Selecting the Rx Rate John Deere GS3

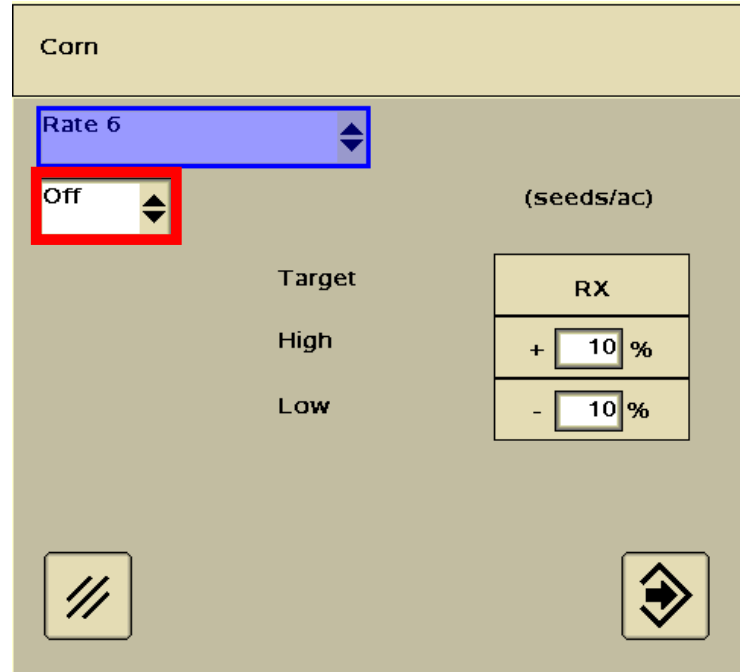
**5** From the Rate number dropdown press the **Rate 6** option.



A screenshot of a dropdown menu for selecting a rate number. The menu is open, showing options from Rate 1 to Rate 6. 'Rate 6' is highlighted with a red border.

Rate 1
Rate 1
Rate 2
Rate 3
Rate 4
Rate 5
Rate 6

**6** From the Rate window press the **Off** field below the Rate number.



A screenshot of the 'Rate 6' configuration window. The 'Rate 6' dropdown is selected. Below it, the 'Off' field is highlighted with a red border. The window also shows target settings for High and Low, and a 'RX' section with a 10% increase and a 10% decrease.

Corn

Rate 6

Off (seeds/ac)

Target

High

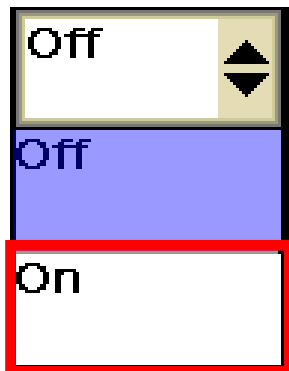
Low

RX

+ 10 %

- 10 %

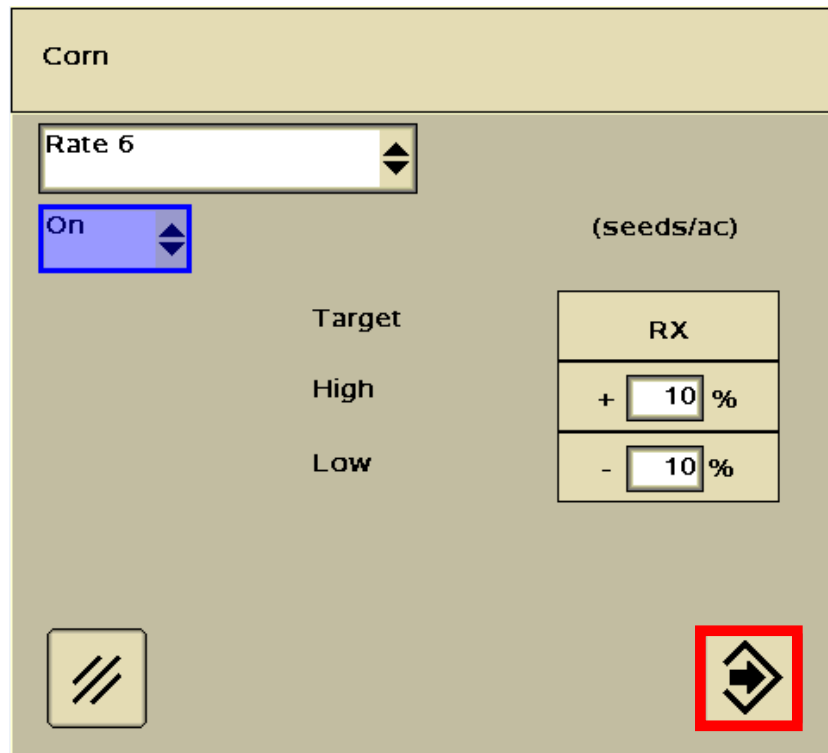
**7** Press the **On** option from the dropdown.



A screenshot of a dropdown menu showing 'Off' as the current selection. The 'On' option is highlighted with a red border.

Off
Off
On

**8** Press the **Next** icon to review the rates.



A screenshot of the 'Rate 6' configuration window. The 'On' field is highlighted with a blue border. The 'Next' icon (a square with a right-pointing arrow) is highlighted with a red border.

Corn

Rate 6

On (seeds/ac)

Target

High

Low

RX

+ 10 %

- 10 %

# Selecting the Rx Rate John Deere GS3

9

Notice how the Rate 6 shows the Rx icon. Press the **Next** icon.

Rate	(seeds/ac)	Target Population:
1	32100	
2	34000	
3	35000	
4	36000	
5	37000	
6	Rx	

Change Rates

10

Press the **Planter** icon to return to the main Planting screen.

Planter - Rates

Crop Name: Corn

Show Rates

Use 1 Rate for All Motors

Disk Type: Corn

Seed Disk: A52391 ProMAX 40 Corn

Population Adjust: 1.00

Calibrate

11

Press the **Target Rate** icon from the upper left portion of the screen.

37000

0

33000.0 (ac)

0.0 0.0

90 (mph)

0.0 (ac)

Row (seeds/ac)

Min: 1 0

Max: 1 0

Scan: 4 0

1

12

Press the **Rate 6** option to use the Rx planting rates.

(seeds/ac)

32100

34000

35000

36000

37000

Rx

Rate 1

Rate 2

Rate 3

Rate 4

Rate 5

Rate 6

# Selecting the Rx Rate

## John Deere GS2

# 13

Notice how the rate is now shown with an Rx indicating the monitor is using the prescription file rates.

The screenshot displays the John Deere GS2 monitor interface. At the top, a red box highlights the prescription rate '33000 Rx 33000'. Below this is a graphical representation of the field with red vertical bars indicating the prescription rate across the width. The interface includes several control panels: a 'QS Reset' button, a percentage control panel with a tractor icon, a gear icon, and a split PTO icon. A central panel shows '33000.0 (ac)' with a green field icon and a dropdown menu, and '0.0 (In H2O)' with a dropdown menu. A bottom-left panel shows '90' (lbs) and '0.0 (mph)' with a tractor icon, and '0.0 (ac)' with a green field icon and a '+0' dropdown. A bottom-right panel shows 'Row (seeds/ac)' with 'Min: 1', 'Max: 1', 'Scan: 9', and a '1' input field. On the right side, there is a vertical stack of function buttons labeled F through J, including a tractor icon, a field icon, a tractor icon, a field icon, a numeric keypad '123', and a book icon. A 'Calibrate' button is located below the function buttons. At the bottom, there are home and menu icons.

*Creating Varieties For Planting*

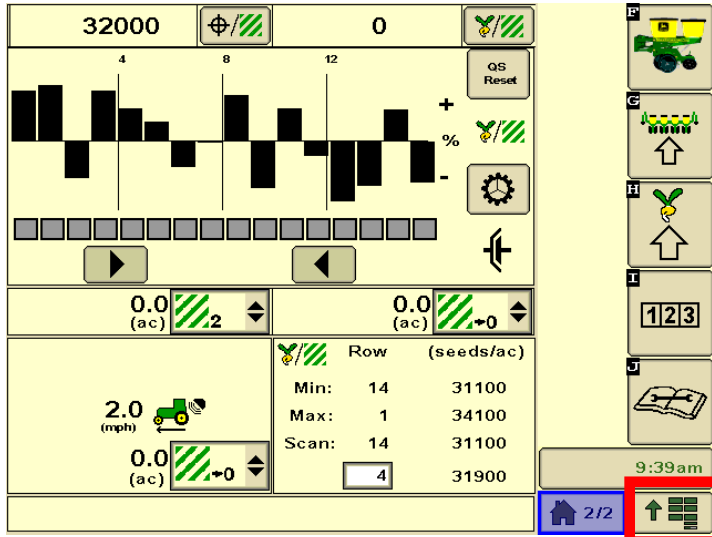


# Creating Varieties For Planting

## John Deere GS3

1

From the Planting screen, press the **Menu** button on the bottom right hand side of the screen. **Note: The Menu button is available on every screen.**



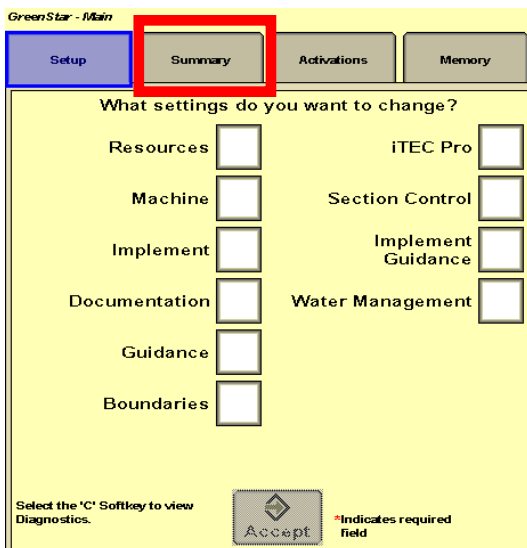
2

In the Menu screen press the **GS3** button.



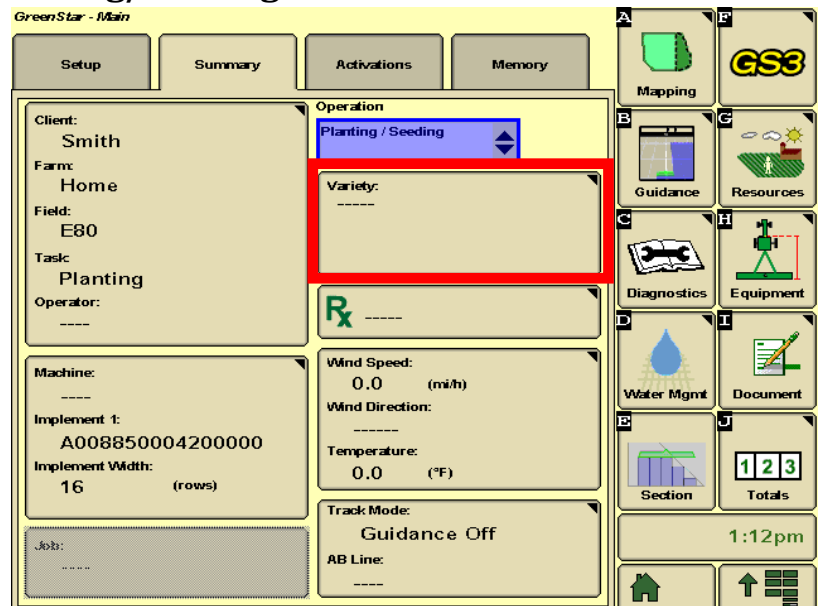
3

Press the **Summary** tab to changes varieties. If unable to see this screen, press the **GS3** button in the upper right corner of the screen.



4

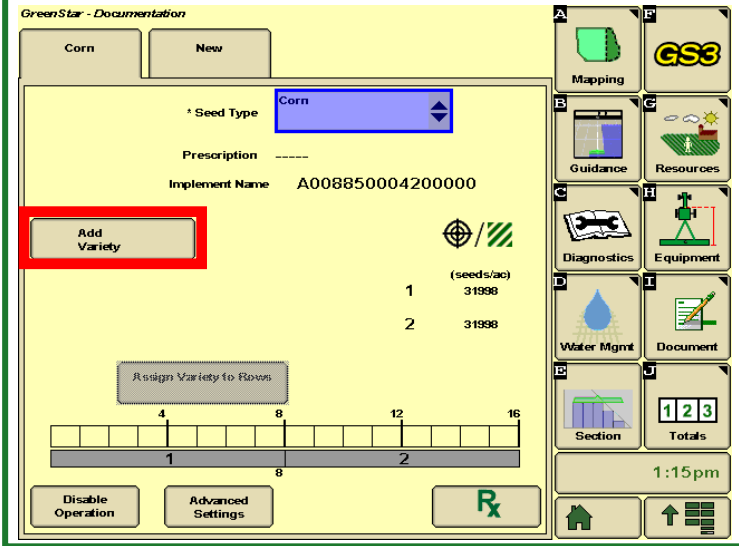
Be sure the grower information Client, Farm, Task, etc. are populated correctly. **Press the Product Name/Product Type or Variety** (name used depends on firmware version) field to create a new variety. **Note: The Operation field should read Planting/Seeding.**



# Creating Varieties For Planting

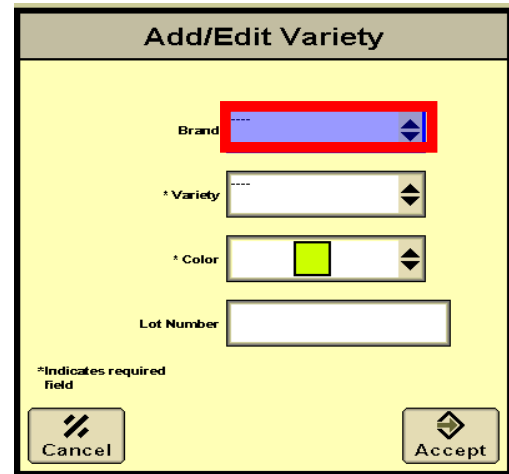
## John Deere GS3

**5** First press to open the **Seed Type** drop down menu and change the seed type to the correct crop for the variety type. To create a new variety press **Add Variety**.

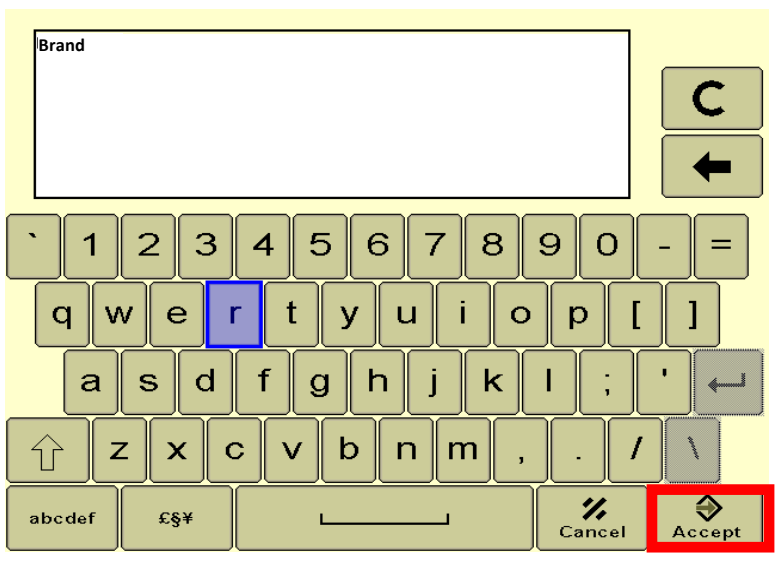


In the Add/Edit Variety screen press on the **Brand** drop down menu. If the Brand already exists press on the name to select the correct brand and skip step 7 (keyboard to add brand). If the Brand is not created press on the Create New to create it.

**6**

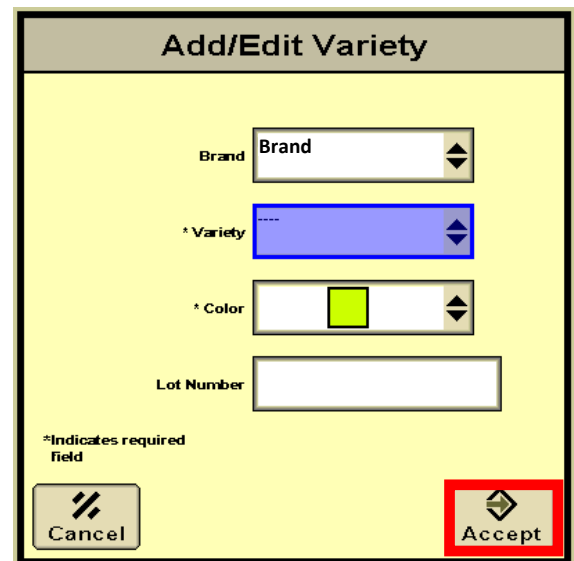


**7** Use the keyboard to enter in the correct brand, **example: Brand**. Once you have entered in the brand press **Accept**.



In the Add/Edit Variety screen press on the **Variety** drop down menu and create new. If the variety is already created, press on the name to select the correct variety and skip step 9 (keyboard to add variety).

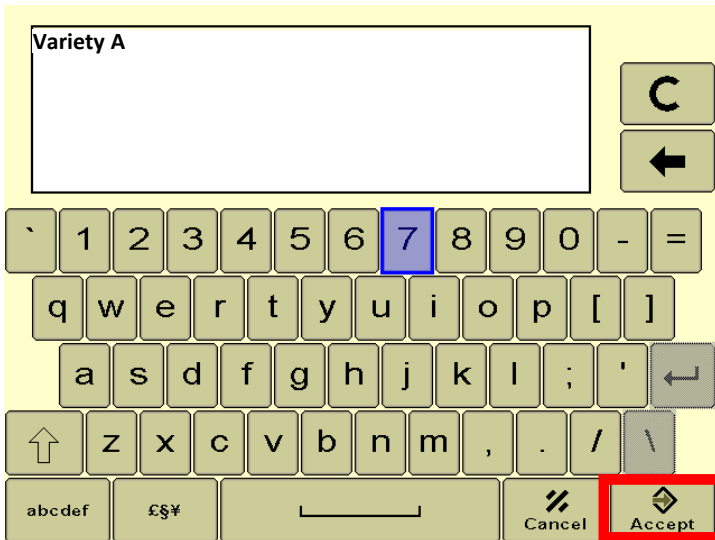
**8**



# Creating Varieties For Planting John Deere GS3

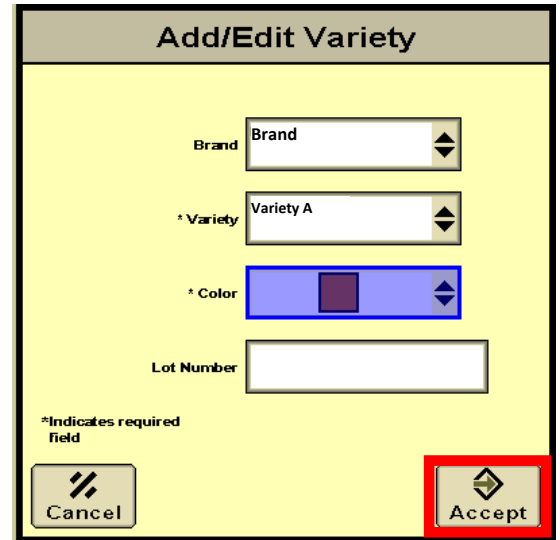
# 9

Use the keyboard to enter in the correct variety, **example: Variety A**. Once you have entered in the variety press **Accept**.



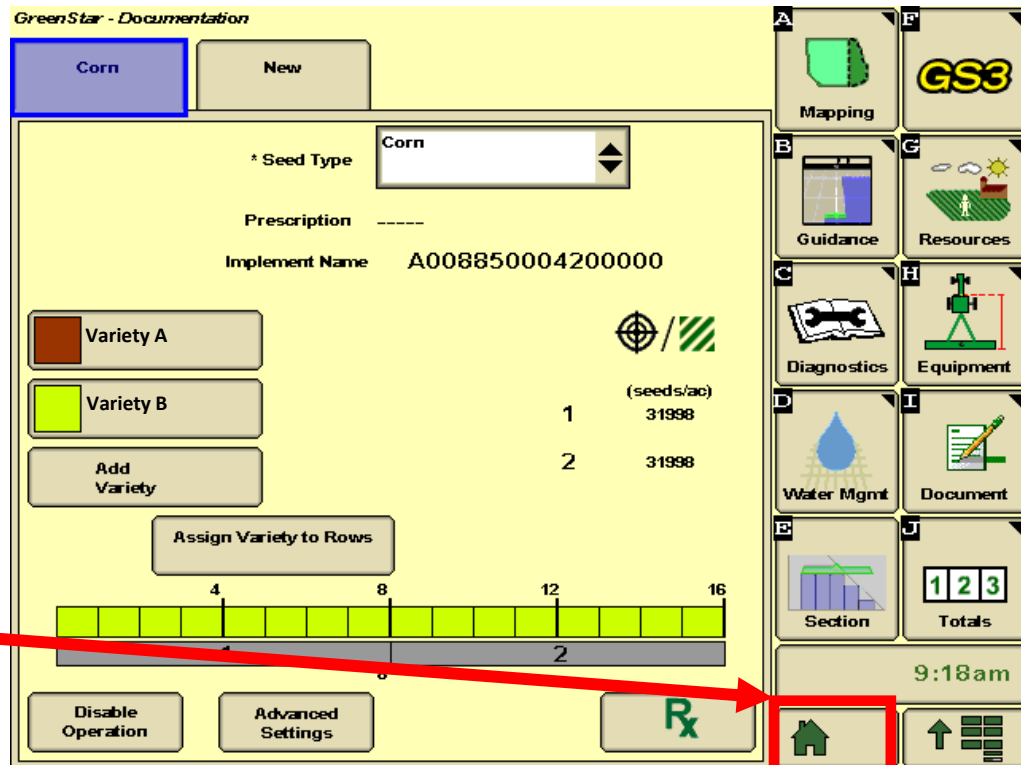
# 10

To change the mapping color for the variety press the **Color** drop down menu. Press **Accept** once the variety has been created.



# 11

Once varieties have been created press the **Home** button to return to the main screen.



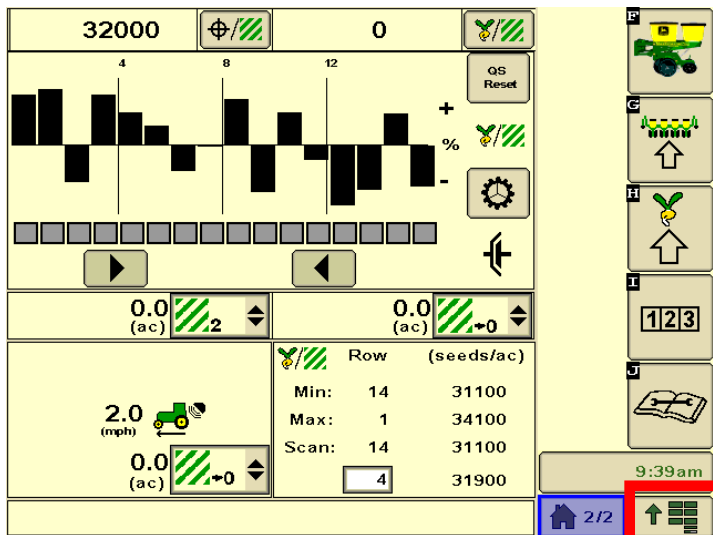
*Changing Varieties Within  
A Field*



# Changing Varieties Within A Field

## John Deere GS3

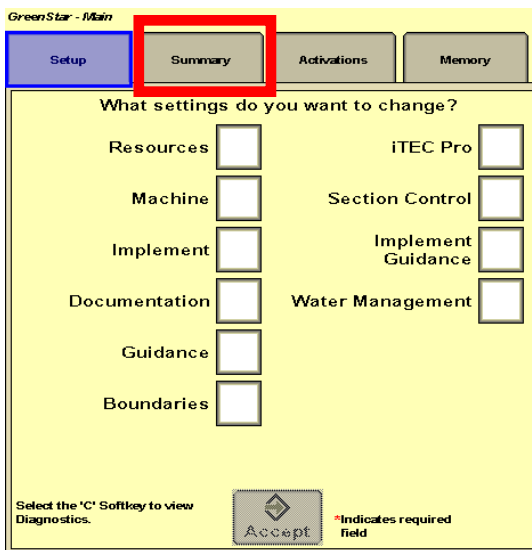
**1** From the Planting screen press the **Menu** button on the bottom right hand side of the screen. **Note: The Menu button is available on every screen.**



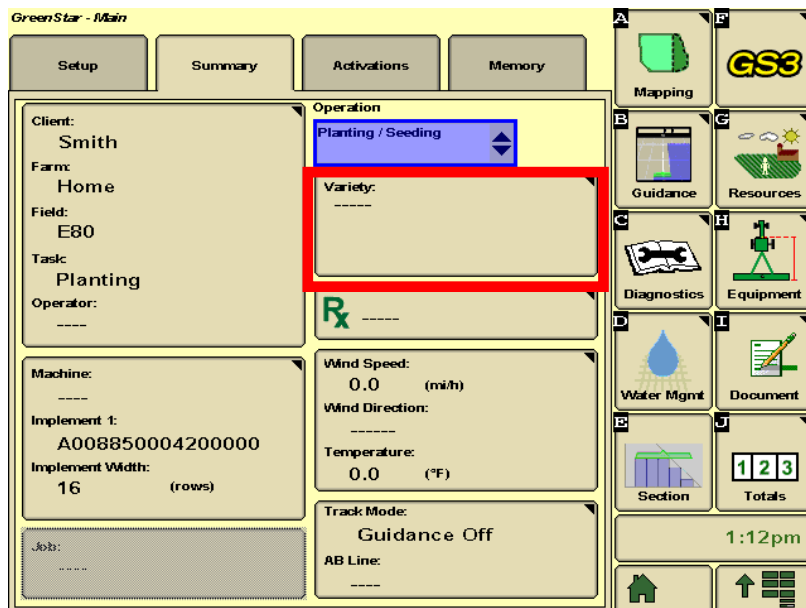
**2** In the Menu screen press the **GS3** button.



**3** Press the **Summary** tab to changes varieties. If unable to see this screen, press the **GS3** button in the upper right corner of the screen.



**4** Be sure the grower information (Client, Farm, Task, etc.) are populated correctly. Press the **Product Name/Product Type** or **Variety** (name used depends on firmware version) field to create a new variety. **Note: The Operation field should read Planting/Seeding.**



# Changing Varieties Within A Field

## John Deere GS3

5

Note: if the variety you are changing to is not already in the monitor follow the Creating Varieties for Planting section.

Select the different variety, example: Variety A.

GreenStar - Documentation

Corn New

\* Seed Type Corn

Prescription -----

Implement Name A008850004200000

Variety A

Variety B 1 (seeds/ac) 31988

Add Variety 2 31988

Assign Variety to Rows

4 8 12 16

1 8 2

Disable Operation Advanced Settings Rx

6

Once the Variety has been changed press the Assign Variety to Rows button.

GreenStar - Documentation

Corn New

\* Seed Type Corn

Prescription -----

Implement Name A008850004200000

Variety A

Variety B 1 (seeds/ac) 31988

Add Variety 2 31988

Assign Variety to Rows

4 8 12 16

1 8 2

Remove Advanced Settings Rx

Mapping GS3

Guidance Resources

Diagnostics Equipment

Water Mgmt Document

Totals 1 2 3

9:45 am

7

Press on the End Row box to assign the Variety to every row.

Assign Variety to Rows

Select the variety

\* Variety Variety A

Start Row 1

End Row 8

4 8 12 16

1 8 2

Cancel Accept

8

Use the calculator to enter in the end row of the variety. Press Accept when you are done. Example: this is a 16 row planter putting one variety in the End Row is 16.

16

1 2 3 ←

4 5 6

7 8 9

. 0 +/-

Cancel Accept

# Changing Varieties Within A Field John Deere GS3

9

If everything is correct on this page press the **Accept** button.

The dialog box titled "Assign Variety to Rows" has a yellow background. At the top, it says "Select the variety". Below that, there is a dropdown menu for "\* Variety" with "Variety A" selected. Underneath, "Start Row" is set to 1 and "End Row" is set to 16. A row layout diagram shows 16 rows, with the first 8 rows labeled "1" and the last 8 rows labeled "2". At the bottom left is a "Cancel" button, and at the bottom right is an "Accept" button highlighted with a red box.

10

Once the correct variety has been chosen and the rows are correct for the variety. Press the **Home** button to return to the main page.

The main GreenStar interface shows a "Corn" field with "Variety A" selected. A red arrow points from the "Accept" button in the dialog box to the "Variety A" button in the main interface. Another red arrow points from the "Home" button in the dialog box to the "Home" button (house icon) in the main interface's bottom right corner. The interface includes a "Prescription" table with two rows, a row layout diagram, and a sidebar with various function buttons like "Mapping", "Guidance", "Diagnostics", "Equipment", "Water Mgmt", and "Document".

Row	Seeds/ac
1	31998
2	31998

## *Managing Varieties*

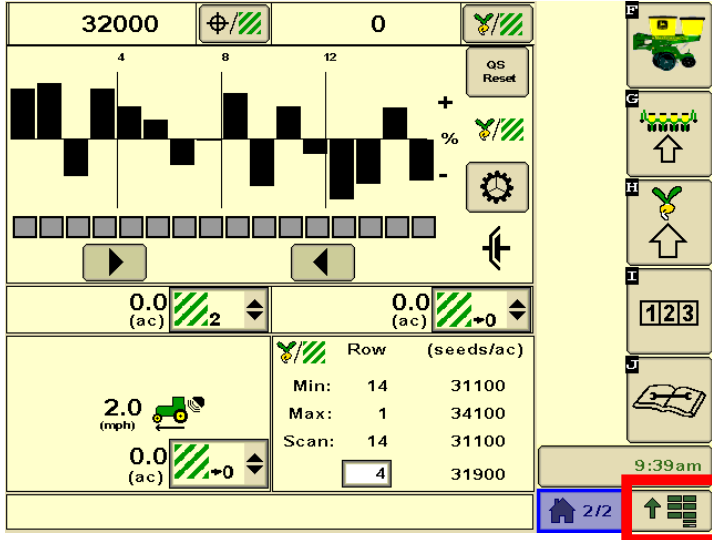
The GS3 monitor will continually store all the varieties entered into it. However, it will only display six in the Documentation window where a variety can be assigned to rows. This section will show you how to add in a new variety if more than 6 or more varieties are already stored in the monitor. The only way to completely erase all the varieties out of the monitor is using the John Deere APEX software. Your John Deere dealer should be able to help support this.



# Managing Varieties

## John Deere GS3

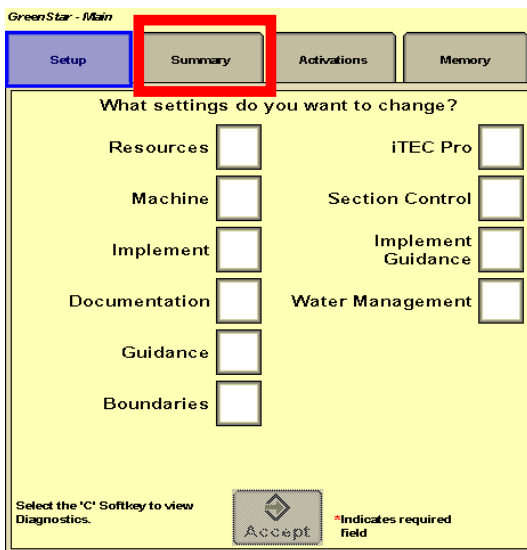
**1** From the Planting screen press the **Menu** button on the bottom right hand side of the screen. **Note: The Menu button is available on every screen.**



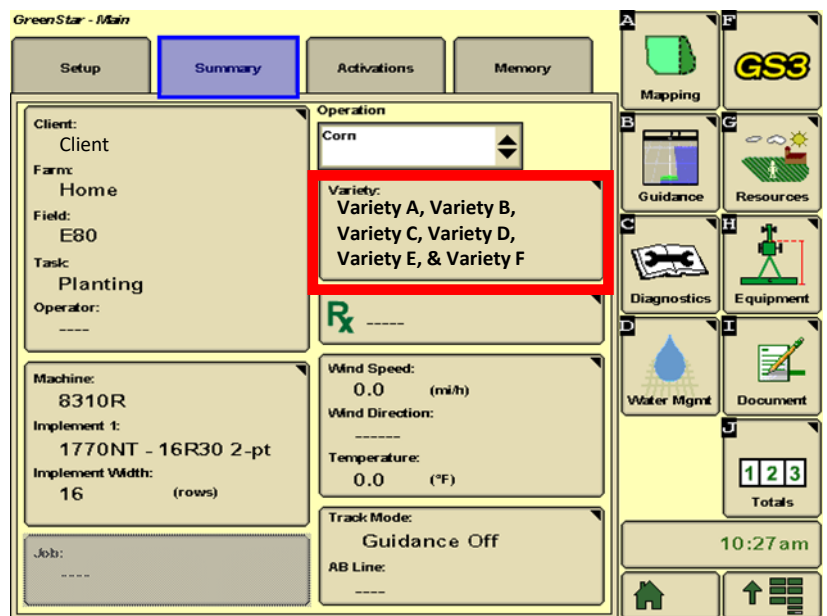
**2** In the Menu screen press the **GS3** button.



**3** Press the **Summary** tab to changes varieties. If unable to see this screen, press the **GS3** button in the upper right corner of the screen.



**4** Be sure the grower information (Client, Farm, Task, etc.) are populated correctly. Press the **Product Name/Product Type** or **Variety** (name used depends on firmware version) field to create a new variety. **Note: The Operation field should read Planting/Seeding.**



**5** This screen will display the 6 varieties that were most recently used. If you wish to add a variety that is not already in the monitor or not displayed here press to select a variety that is displayed which will not be used.

**Note: The variety you are replacing will still be available in the monitor if needed in the future.**

The screenshot shows the 'GreenStar - Documentation' interface. At the top, there are tabs for 'Corn' and 'New'. Below this, a dropdown menu for '\* Seed Type' is set to 'Corn'. The 'Prescription' is '----' and the 'Implement Name' is '1770NT - 16R30 2-pt'. A grid of six variety selection buttons is shown: Variety A (yellow), Variety B (brown), Variety C (cyan), Variety D (orange), Variety E (purple), and Variety F (dark brown). A red box highlights the 'Variety A' button. To the right of the grid, there is a 'seeds/ac' field with a value of '1' and a '0' below it. Below the grid is an 'Assign Variety to Rows' section with a row layout diagram showing 16 rows, with the first 8 rows highlighted in yellow and the last 8 rows in brown. At the bottom of the grid are 'Remove', 'Advanced Settings', and 'Rx' buttons. On the right side of the screen, there is a vertical toolbar with icons for Mapping, GS3, Guidance, Resources, Diagnostics, Equipment, Water Mgmt, Document, and Totals. The time '10:27 am' is displayed at the bottom right.

**6** In the Add/Edit Variety screen, select the brand by pressing on the **Brand** drop down menu. If the correct brand is present, press to select it and skip step 7 (keyboard to add brand). If the correct brand is not listed press **New**.

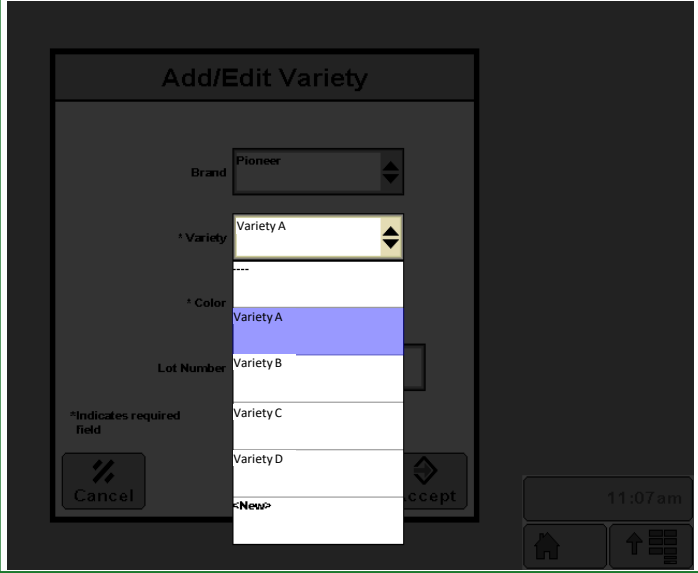
The screenshot shows the 'Add/Edit Variety' screen. It features a 'Brand' dropdown menu with 'Brand' selected. Below it, there is a '\* Variety' dropdown menu with 'Brand' selected. The '\* Color' dropdown menu is set to 'New'. There is also a 'Lot Number' field. At the bottom, there are 'Cancel' and 'Accept' buttons. A note at the bottom left states '\*Indicates required field'. The time '11:06 am' is displayed at the bottom right.

**7** Using the keyboard type in the correct brand and press **Accept**.

The screenshot shows a virtual keyboard interface. The 'Brand' field is empty. The keyboard has a numeric keypad, a QWERTY layout, and a bottom row with 'abcdef', '€\$¥', a spacebar, and 'Cancel' and 'Accept' buttons. The 'Accept' button is highlighted with a red box.

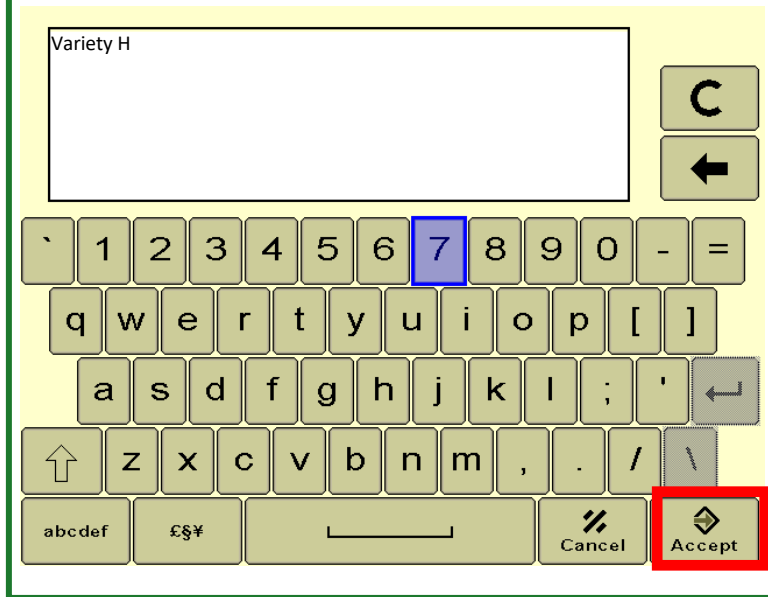
8

To select the correct variety press on the **Variety** drop down menu. If the desired variety is listed select it and skip step 9 (keyboard to add variety). If the desired variety is not listed press **New**.



9

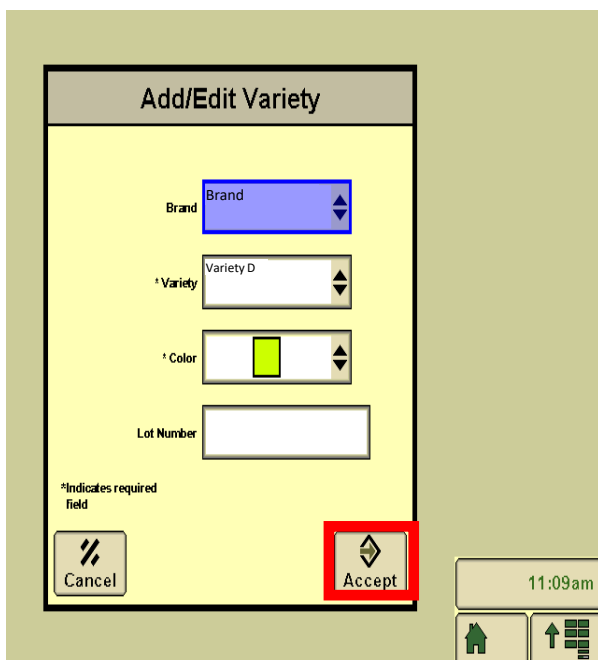
Using the keyboard enter the desired variety, **example: Variety H**, and press **Accept**.



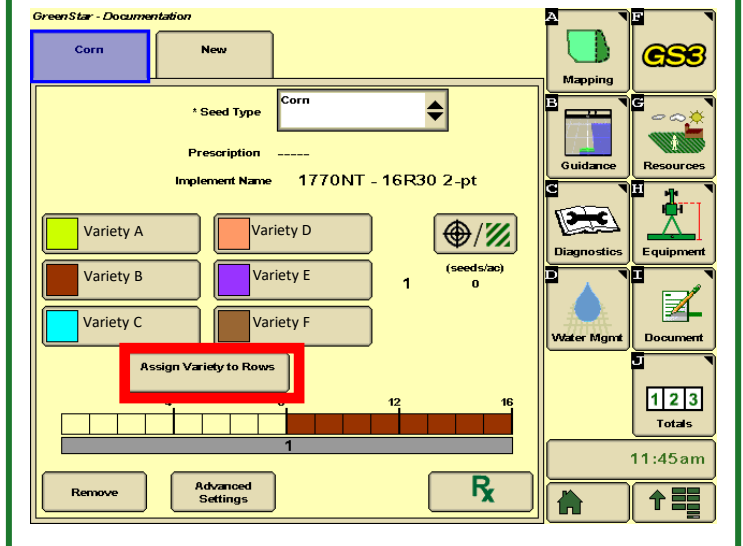
11

10

If all the information in the Add/Edit Variety screen is correct press **Accept**.



You will be returned to the Documentation screen where you can assign the new varieties to specific rows on the planter.

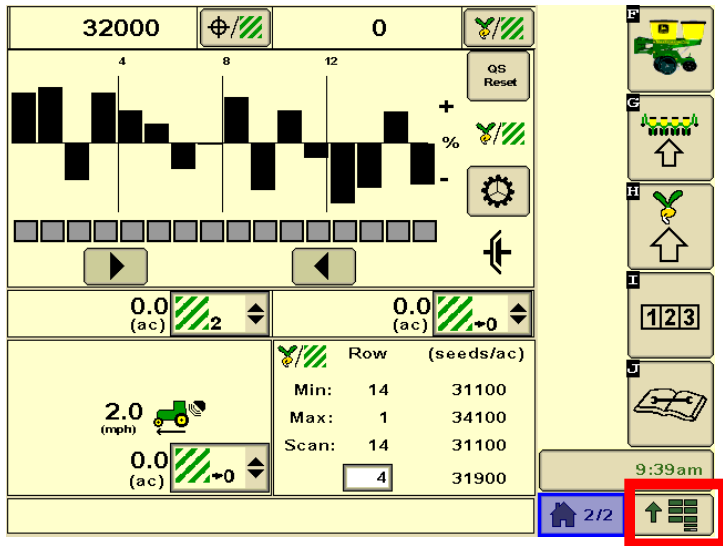


# Managing Varieties

## John Deere GS3

There are two ways to remove the 6 varieties from the Green Star-Documentation screen, however neither will remove the varieties completely from the monitor so they will still show in the variety drop down screens. These steps would be good to consider at the end of each planting season. The first option is outlined below.

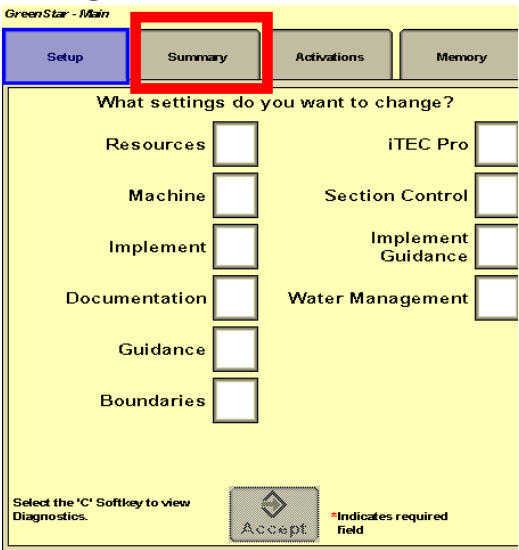
**1** From the Planting screen press the **Menu** button on the bottom right hand side of the screen. **Note: The Menu button is available on every screen.**



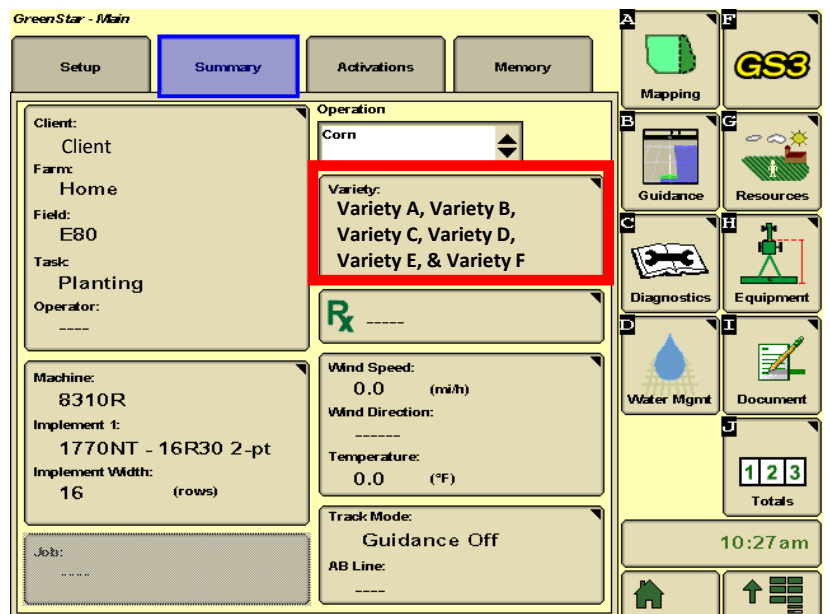
**2** In the Menu screen press the **GS3** button.



**3** Press the **Summary** tab to changes varieties.



**4** Be sure the grower information (Client, Farm, Task, etc.) are populated correctly. Press the **Variety** box to create a new variety. **Note: The Operation field should read Planting/Seeding.**

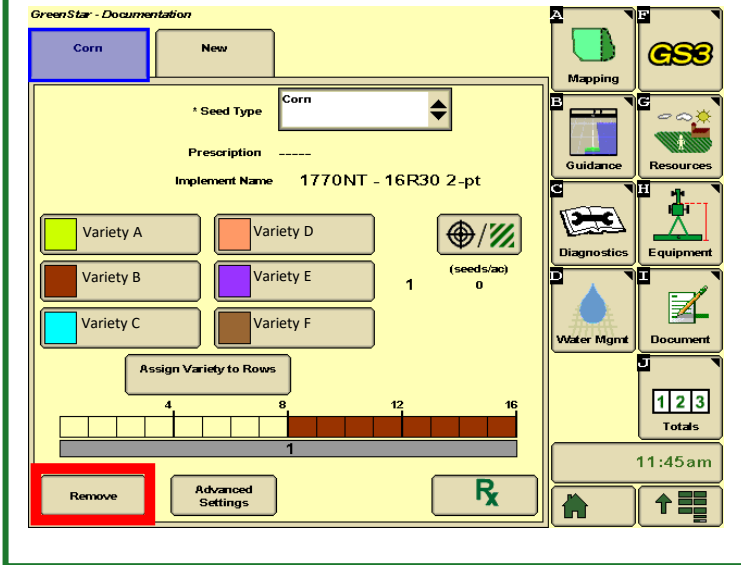


# Managing Varieties

## John Deere GS3

5

Press the **Remove** icon at the bottom of the screen. This is going to remove the current operation from the monitor.



6

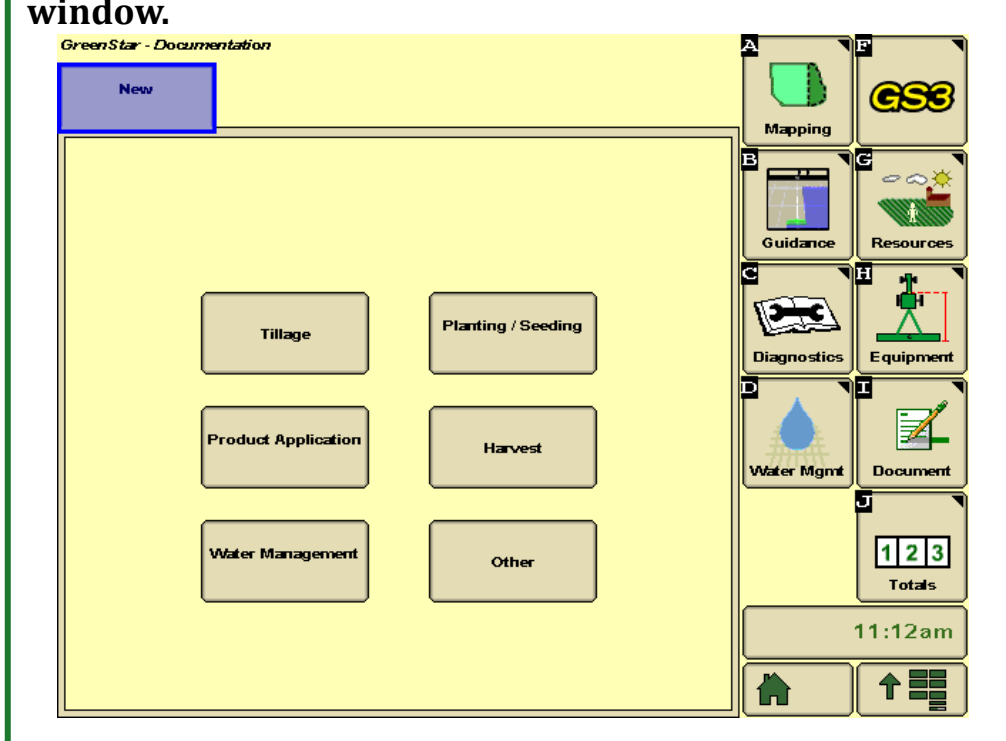
Press **Accept** to complete the action.



7

This has removed the operation. The grower should be able to set up a new configuration if needed.

**Note: the previous varieties will still appear in the variety drop down screen in the Add/Edit Variety window.**

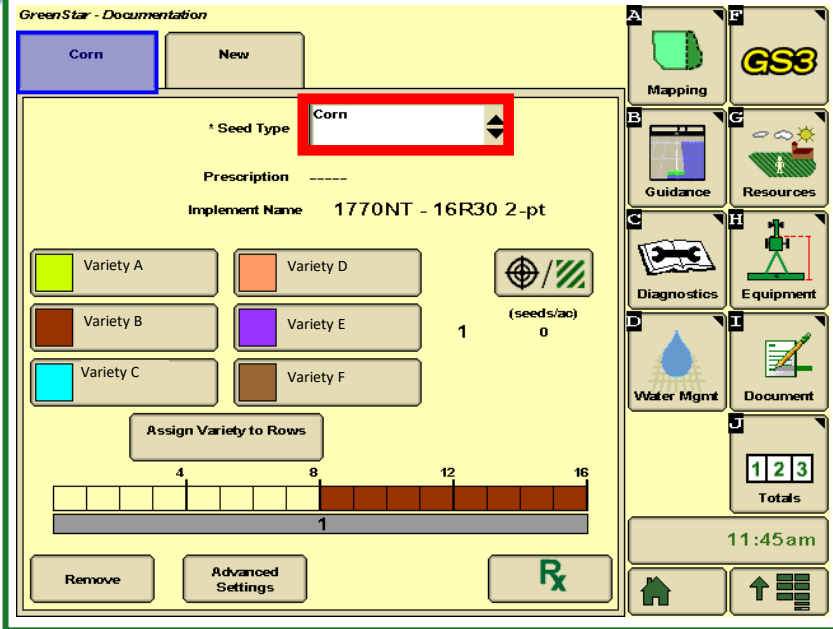


# Managing Varieties

## John Deere GS3

The second option for removing all the varieties from the current operation without completely removing the operation is to simply switch seeds and then switch back to what you are planting. Follow steps 1-4 on the previous page then return here to complete the action.

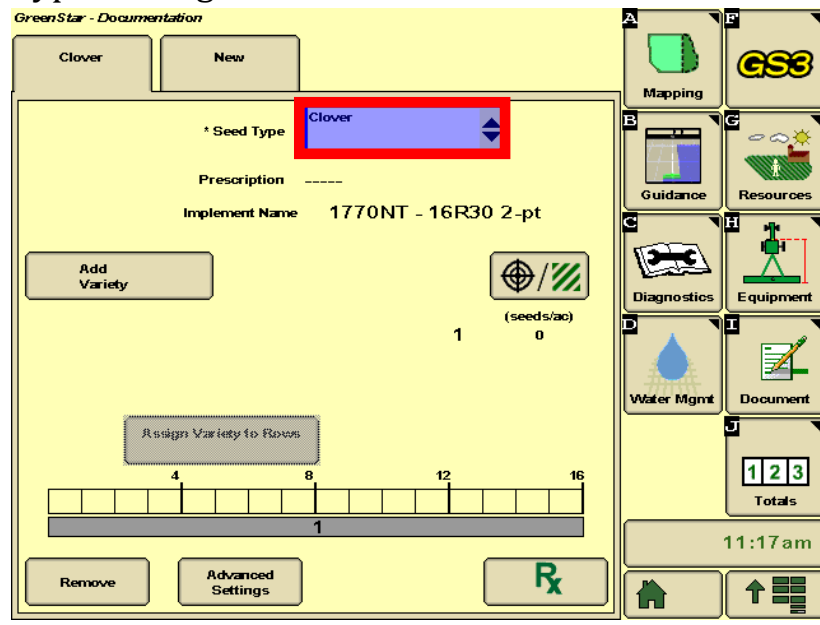
**5** Press on the the Seed Type field in the Green Star Documentation screen.



**6** From the list press to select another type of seed that you are not using, example: Clover.

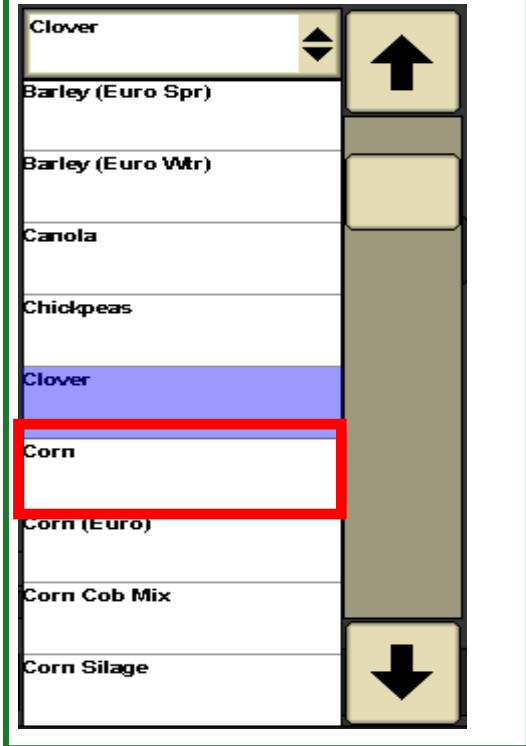


**7** You will be returned to the Green Star-Documentation screen. Press to select the Seed Type field again.



8

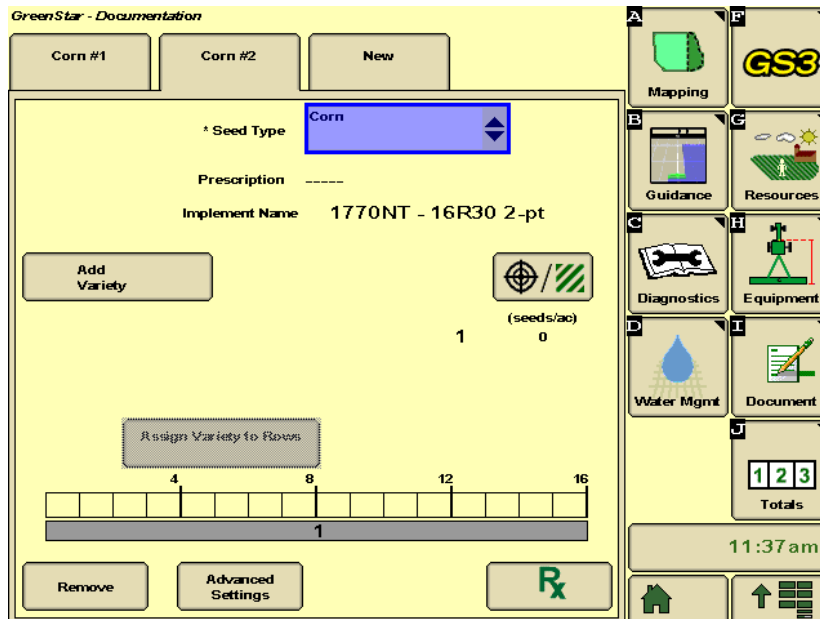
From the list re-select by pressing the crop type you will be planting.



10

Notice how all the varieties in this screen have been removed. To re-add new varieties follow the steps outlined in the Creating Varieties For Planting section of this document.

**Note: the previous varieties will still appear in the variety drop down screen in the Add/Edit Variety window.**



*Cleaning up Products*



# *Cleaning up Products*

## *John Deere GS3*

**To clean up products from the display, the setup card will need to be loaded into John Deere's Apex software program. Since this requires a full setup of the monitor, please contact a local dealer for support.**

*Setting Up Split Planter  
Treatment Data*

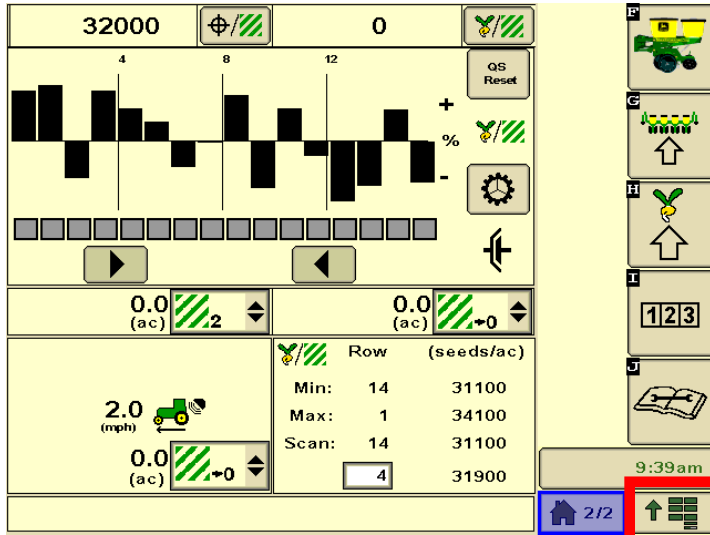


# Setting Up Split Planter Treatment Data

## John Deere GS3

1

From the Planting screen press the **Menu** button on the bottom right hand side of the screen. **Note: The Menu button is available on every screen.**



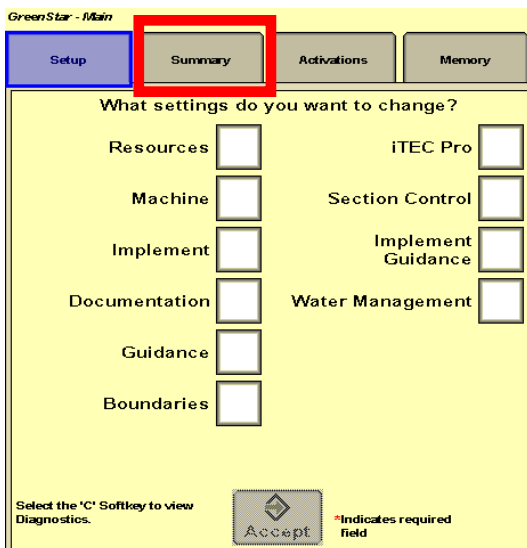
2

In the Menu screen press the **GS3** button.



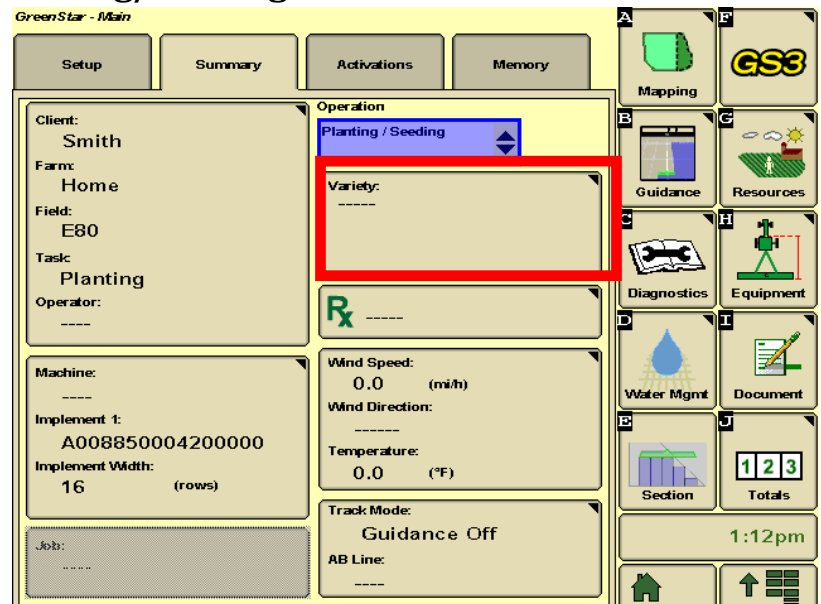
3

Press the **Summary** tab to changes varieties. If unable to see this screen, press the **GS3** button in the upper right corner of the screen.



4

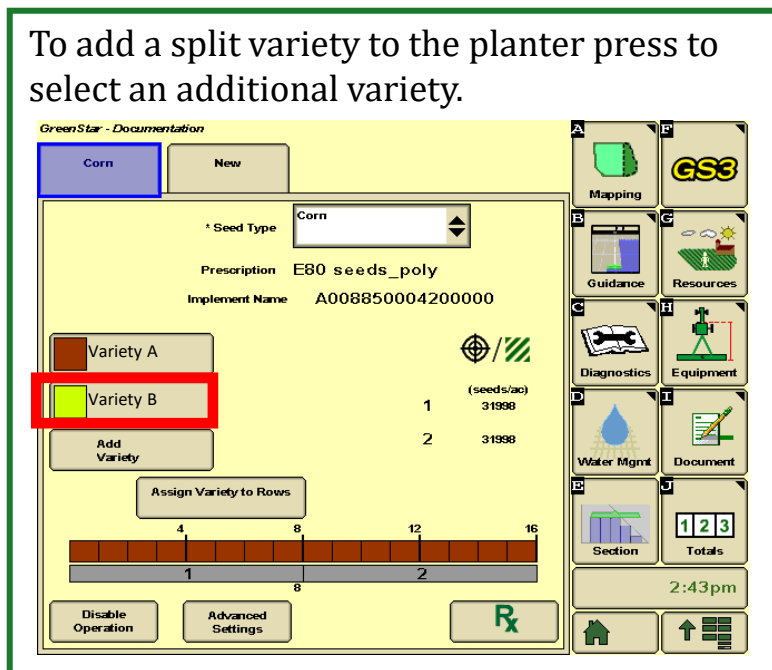
Be sure the grower information (Client, Farm, Task, etc.) are populated correctly. **Press the Product Name/Product Type or Variety** (name used depends on firmware version) field to create a new variety. **Note: The Operation field should read Planting/Seeding.**



# Setting Up Split Planter Treatment Data John Deere GS3

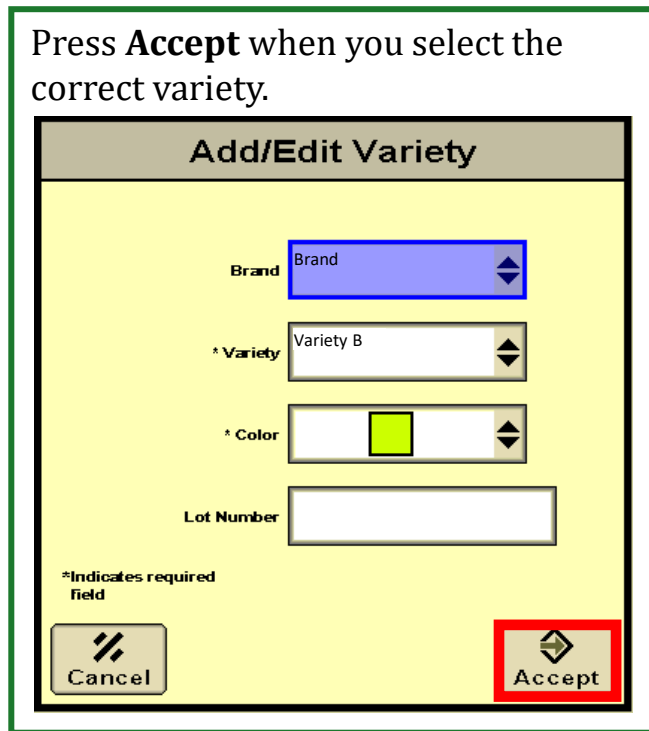
5

To add a split variety to the planter press to select an additional variety.



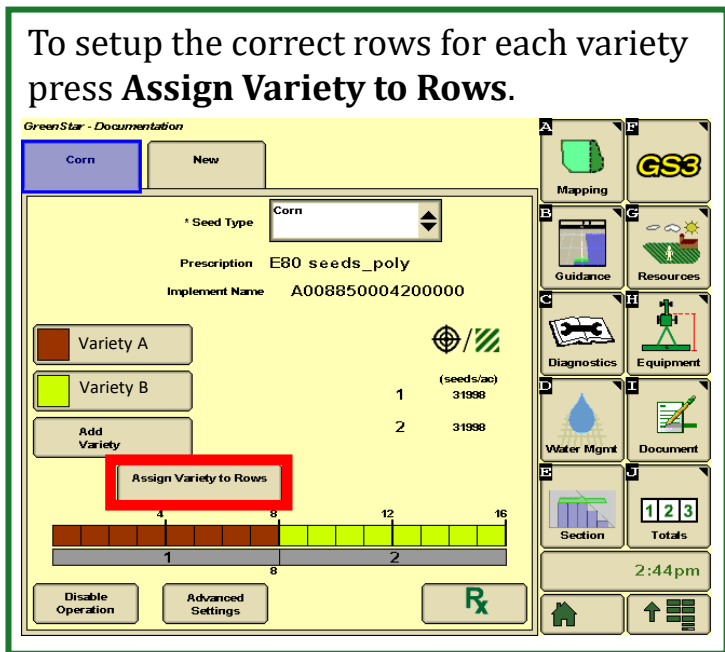
6

Press **Accept** when you select the correct variety.



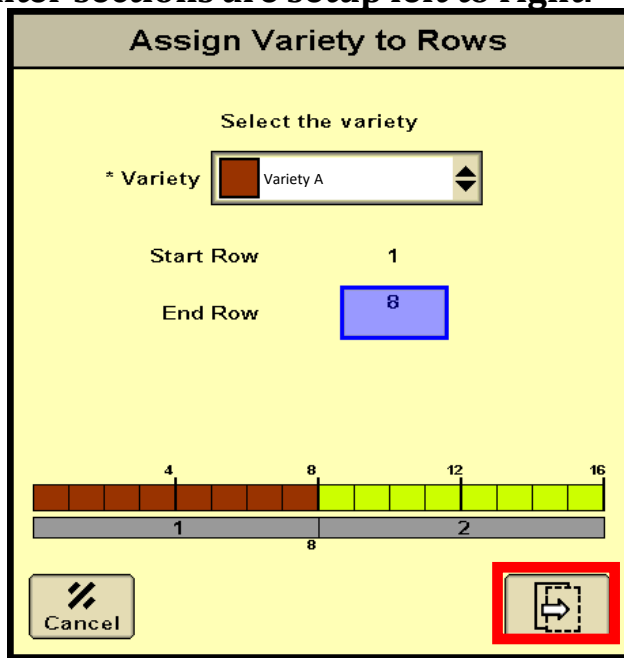
7

To setup the correct rows for each variety press **Assign Variety to Rows**.



8

Select the Variety for the first section if the End Row isn't correct use the Calculator to enter in the correct value. Press the **Next** icon to change to the next section. **Note: The planter sections are setup left to right.**



9

Press the variety for the section if the End Row isn't correct use the Calculator to enter in the correct value. Press the **Next** icon to change to the next section, if there is not another section press **Accept**.

**Assign Variety to Rows**

Select the variety

\* Variety

Start Row

End Row

Cancel

10

The varieties should be split to there individual rows. **Note:** Use the **Select Prescription** handout to add the a VRS map.

GreenStar - Documentation

Corn New

\* Seed Type

Prescription E80 seeds\_poly

Implement Name A008850004200000

Variety A (seeds/ac) 31998

Variety B (seeds/ac) 31998

Add Variety

Assign Variety to Rows

Disable Operation Advanced Settings Rx

Mapping GS3 Guidance Resources Diagnostics Equipment Water Mgmt Document Section Totals 2:45pm

*Exporting As-Applied Planting  
Files*



# Exported As-Applied Planting Files John Deere GS3

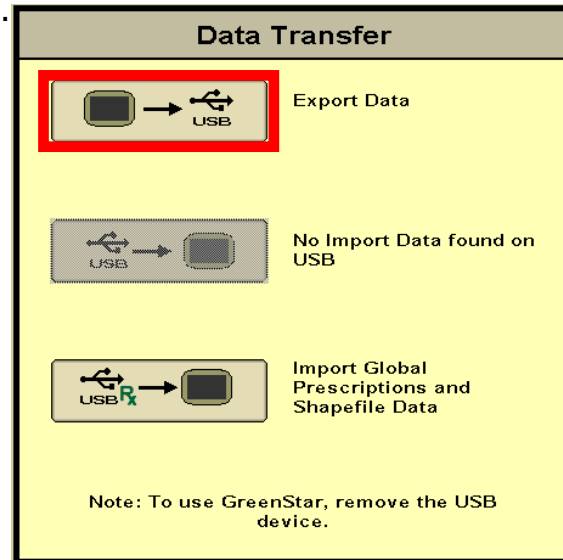
1 Insert a USB drive.



2

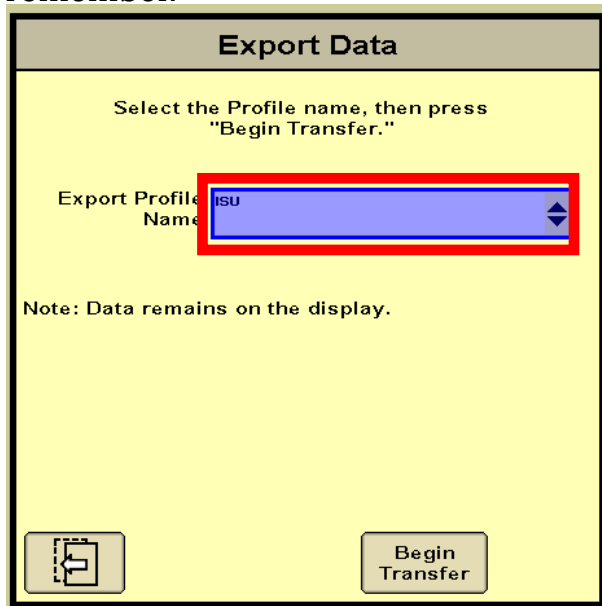
Click the **Export Data** button to transfer data files on the monitor to the USB drive.

Make sure to provide the grower a backup copy of the exported files for their own records.



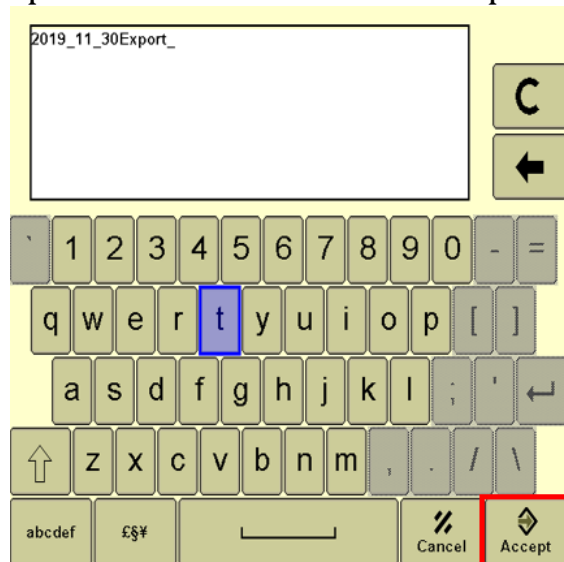
3

To add a new Exporting Profile Name Select the name box and choose **New**. Name the file something you will remember.



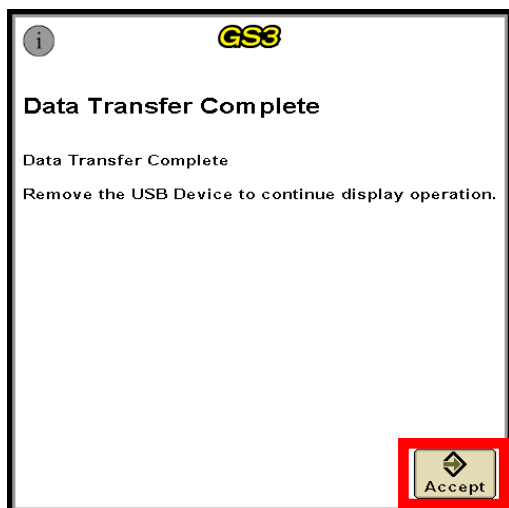
4

Use the keyboard to enter the export profile name, press **Accept** when finished, for **example**, the date of the export with farmer's name or operation.



5

Once Data Transfer Completes select **Accept**. Then Remove the USB to resume display operations.



*Trouble Shooting*



**Question: Does it matter what the seeding rate units are?**

Answer: Yes, Shape files for the GS3 and GS2 displays require units of Seeds Per Acre. Prescription shapefiles with units of thousands of seeds per acre or kseeds per acre will not work correctly.

Content written by Christopher Murphy, Program Coordinator II, Iowa State University Department of Agricultural and Biosystems Engineering.

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