



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

AGCO FieldStar II

1

To create a VRS prescription file, use the Export tool for a FieldStar-II monitor. This will create a TaskData folder that includes 8 files. There are 7 .xml files, 2 .bin files, and 1 .xsl file in this folder (number of files depend on export software).

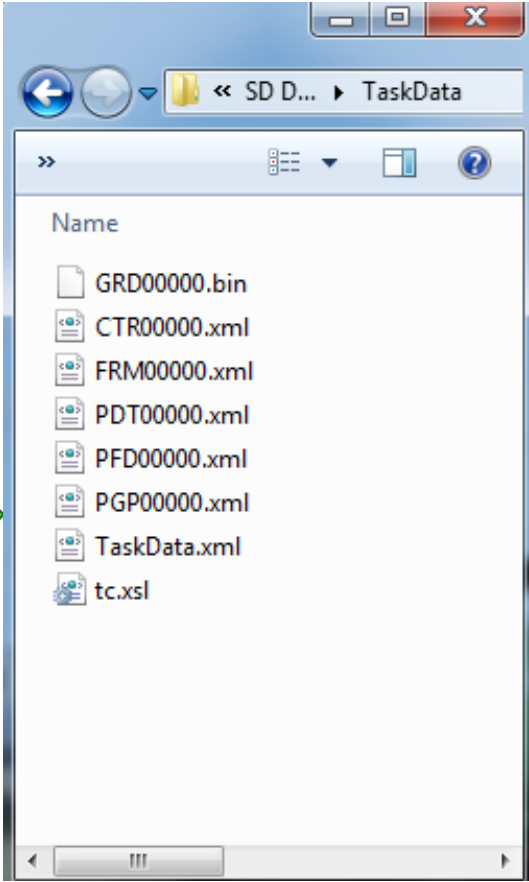
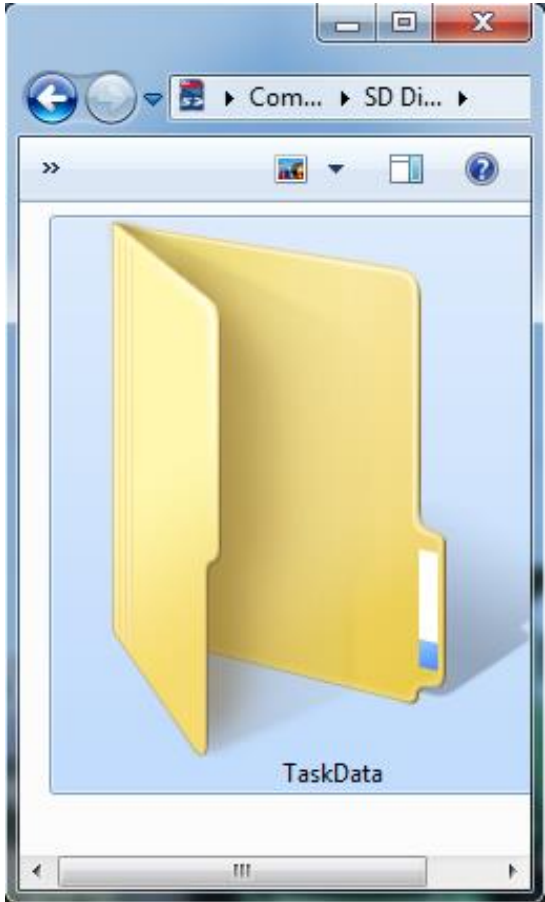
Prescription units must be in **kilo seeds per acre**.

2

Tip: The .xml file will show the field name once the Task is selected on the Task Controller page.

3

On a blank SD Card (needs to be 2GB or less of memory) use Windows Copy/Paste tools, copy the "TaskData" folder on to the highest level of the drive (i.e. E:\TaskData).



Importing VRS Prescription Files



Importing VRS Prescription Files AGCO FieldStar II

1

Insert the SD card containing the Task Data and .xml files into the FieldStar II display.



2

The SD card will need to stay in the monitor during operations. **Note: the SD card can only be 2 GB or less.**

Selecting VRS Prescription Files



Selecting VRS Prescription Files AGCO FieldStar II

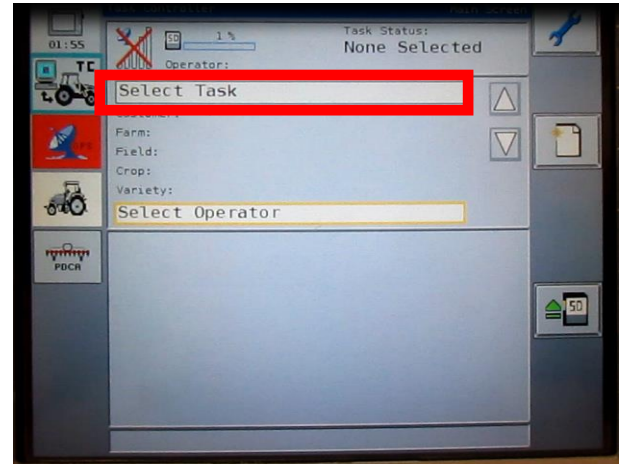
1

Press the **Task Controller** icon to start a new task. **Note: To switch to a different field the current task must first be ended and steps 1-7 repeated after selecting the new field**



2

Press the box that says **Select Task**.



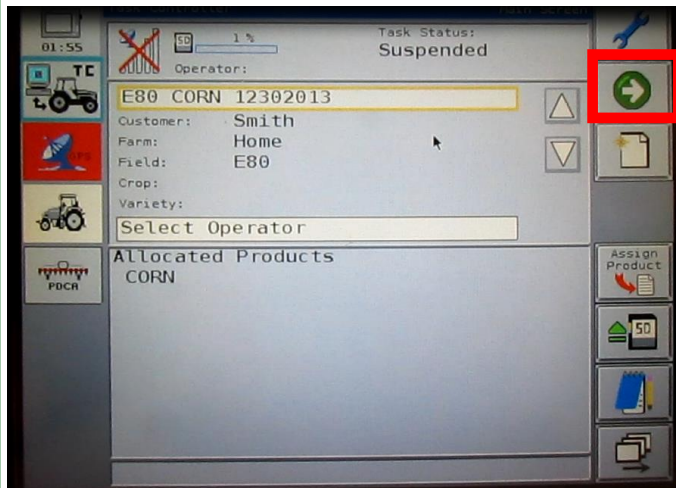
3

Press the arrows to select the correct task. Press the check mark when the correct task appears. **NOTE: There may be more than one task with the same name. You will have to scroll and select each task until you find the one with the correct field information.**



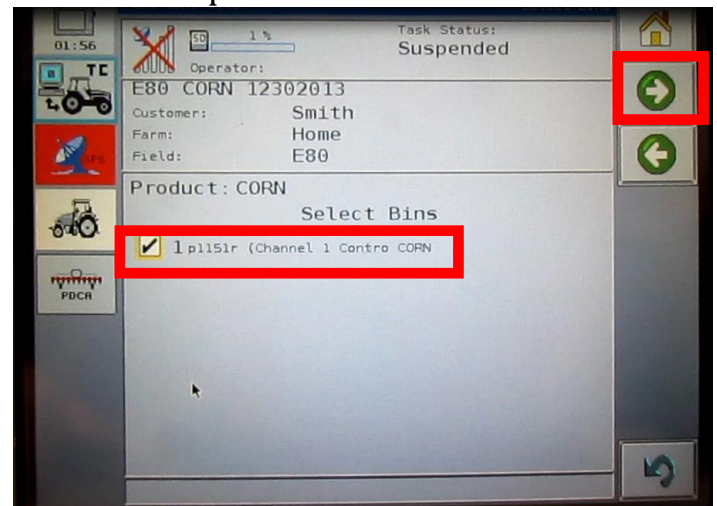
4

The customer farm and field data should appear. Press the **Right Arrow** to continue.



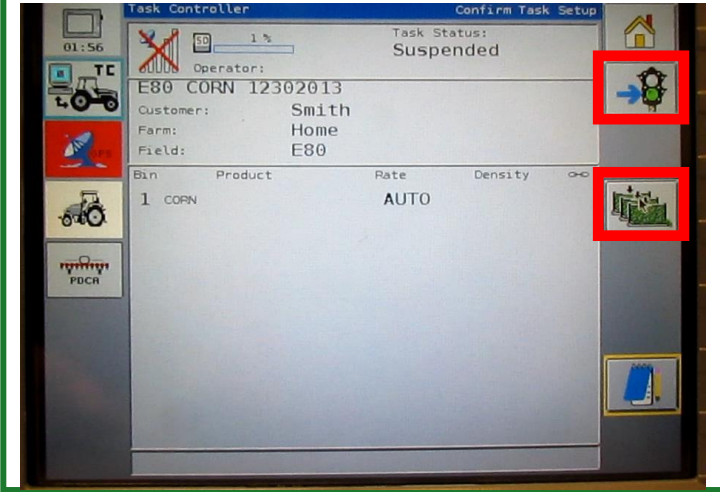
5

Press the **Right Arrow** to display different products. Once the correct product is displayed press the box next to the product to place a check in it. Once the proper product is selected continue pressing the **Right Arrow** until you enter the Confirm Task Setup screen.



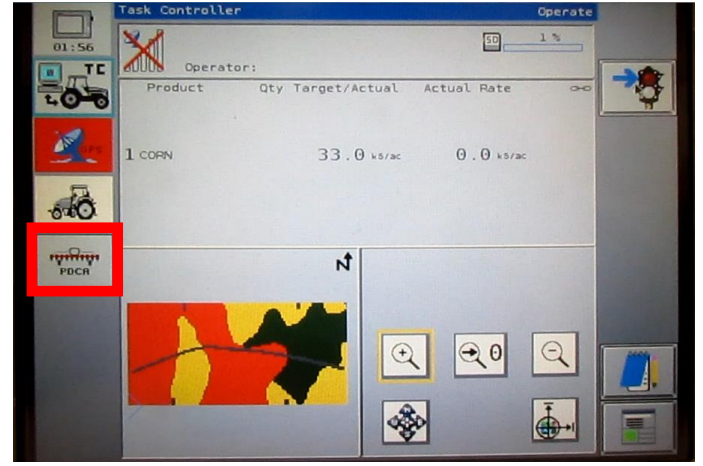
Selecting VRS Prescription Files AGCO FieldStar II

6 Fill the product by pressing the **three bins** on the middle of the right side of the screen. Press the **stop light** icon to move on.

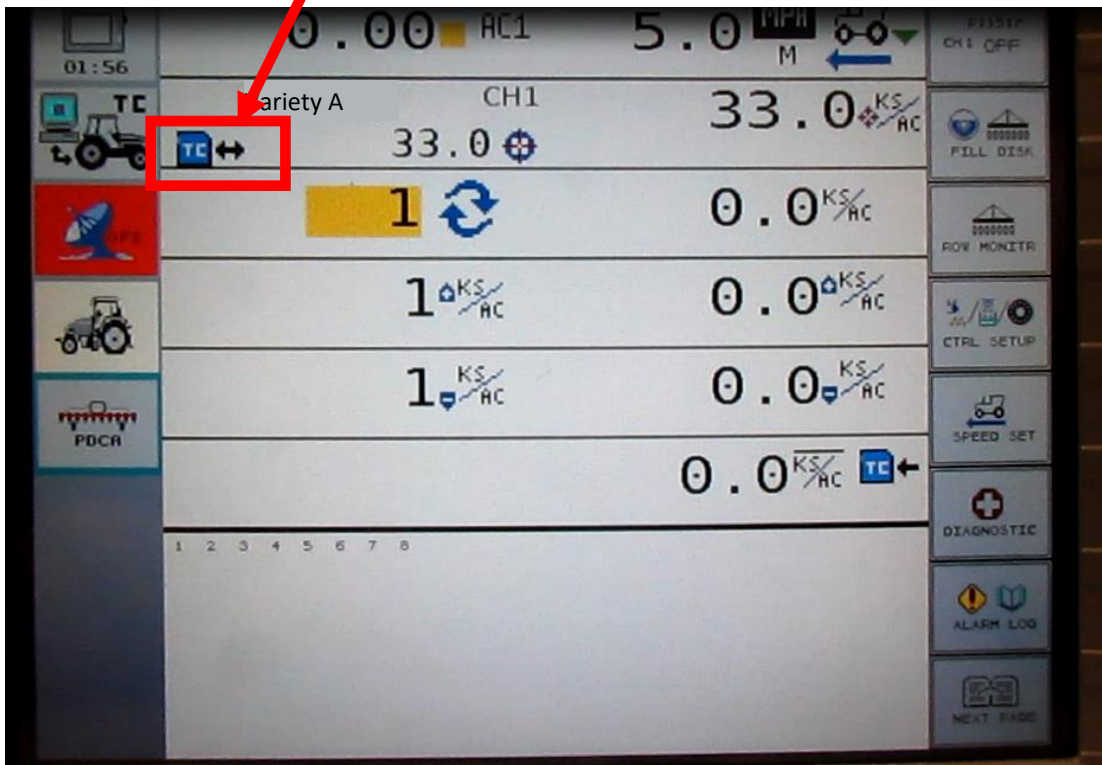


7

The bottom left view should show your VRS map. Press the **Planter** icon to move back to the planter screen.



8 Here is the Planter screen. If the planter is planting from the task data the Planter screen will appear as in the image below. Notice the **TC** icon this means the task data is being used to plant.



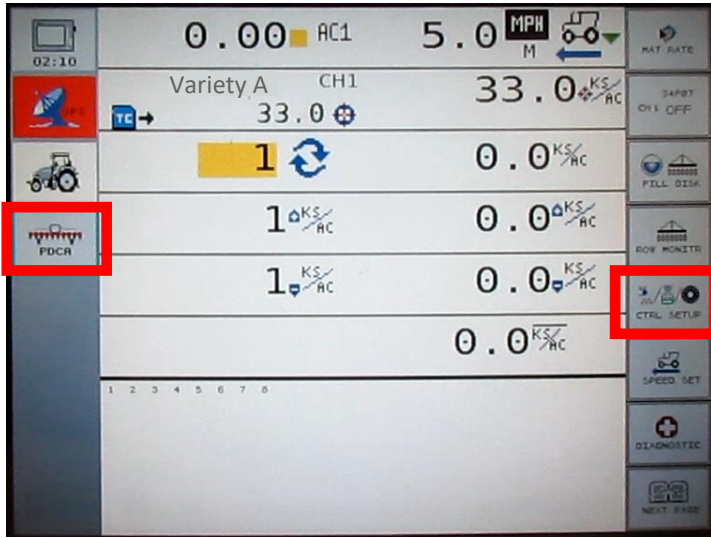
Creating Products for Planting



Creating Products For Planting AGCO FieldStar II

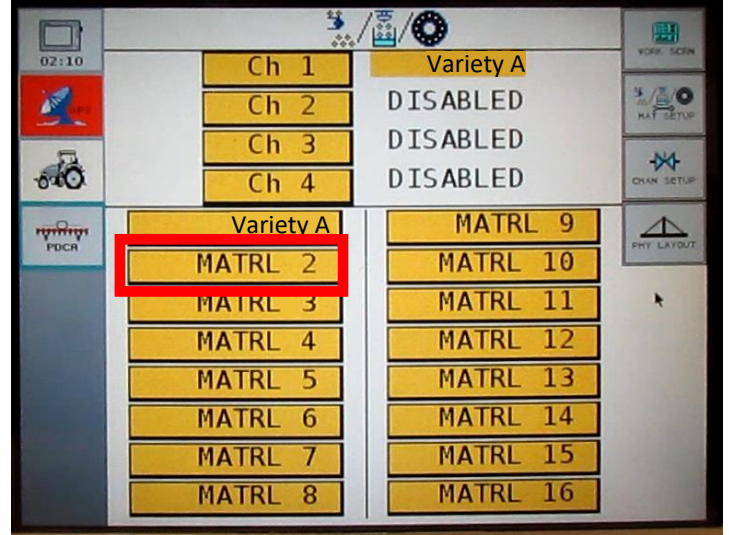
1

From the **Planter** screen press **CTRL Setup** on the right side of the screen. **Note Products should be consistent between the Task Controller and the Planter.**



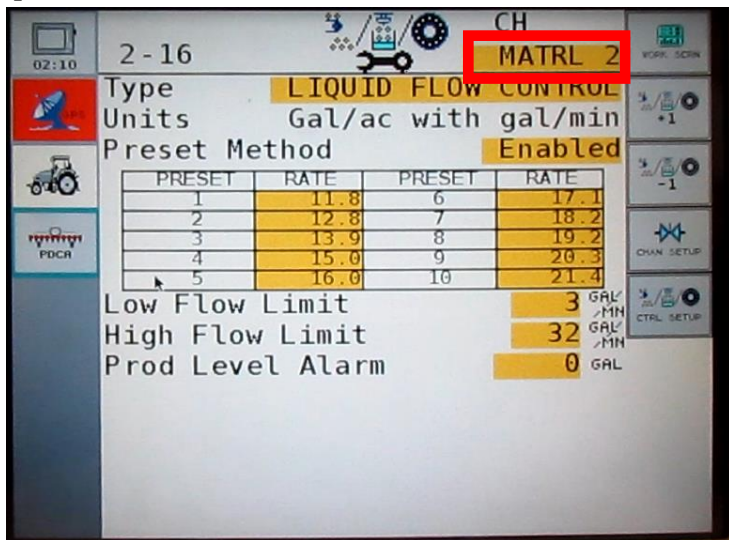
2

Press to select a new MATRL, example: **MATRL 2.**



3

Press **MATRL 2** to change the name to your product.



4

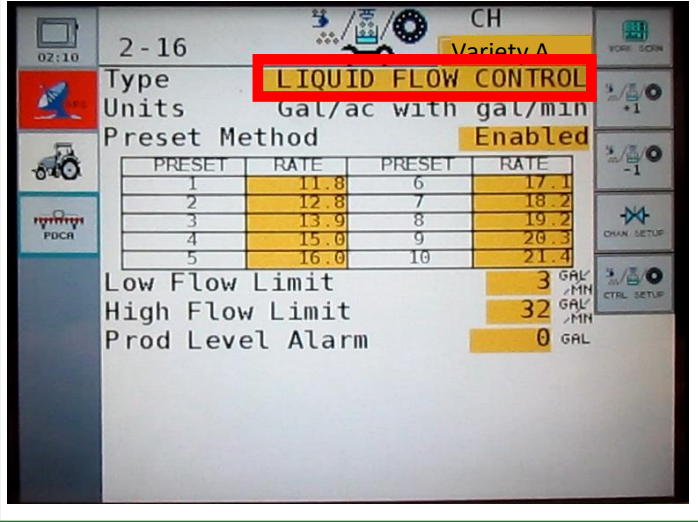
Use the keyboard to enter in the new product, example **Variety B.** Press **check mark** to continue.



Creating Products For Planting AGCO FieldStar II

5

Press the **type** field to change this to planter control.



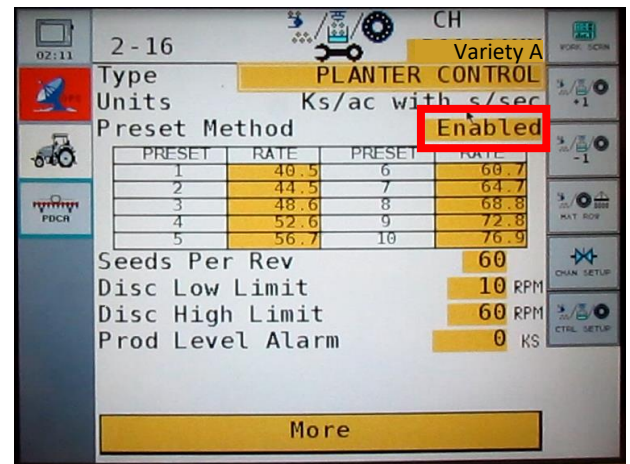
6

Press the **arrow** to select Planter Control. Press the **check mark** when you finished.



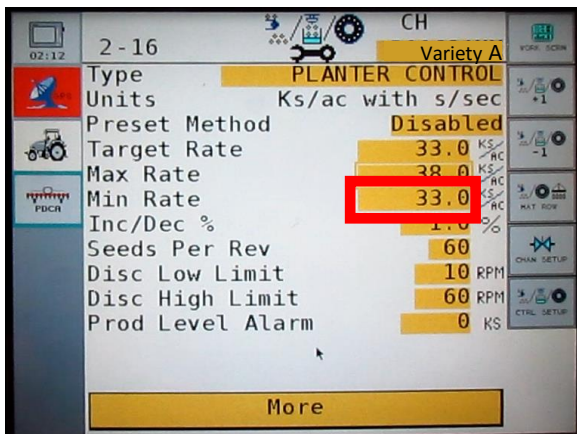
7

Change Preset Method to **Disabled** by pressing the highlighted part. Press the **arrow** to select disabled then select the check mark. **Note: Some producers may be using the Preset Method so make sure to double check with the producer.**



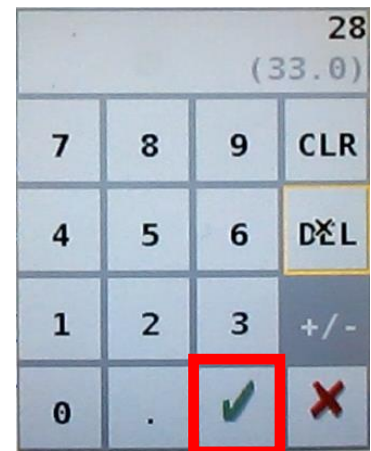
8

Change the rate by pressing the highlighted boxes. **Note: The Min and Max values need to be set equal to or values lower than the VRS Min and higher than the VRS Max. Also note that these numbers are in Kilo Seeds per Acre.**



9

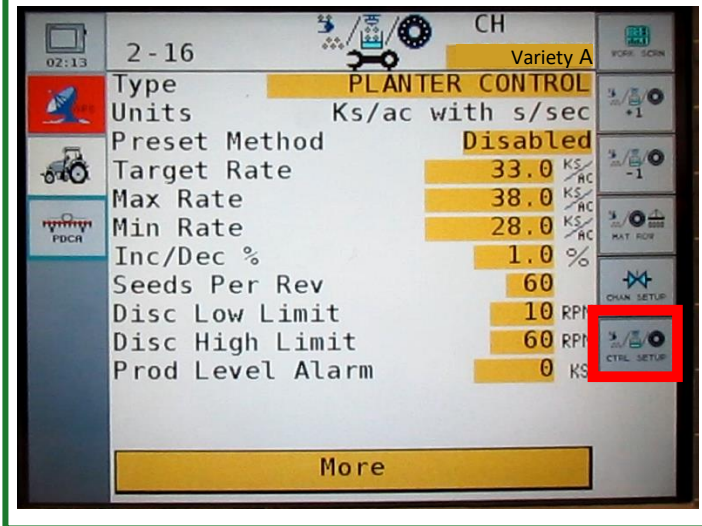
Use the on screen calculator to enter in the Ks/ac, then press the **check mark** to move on.



Creating Products For Planting AGCO FieldStar II

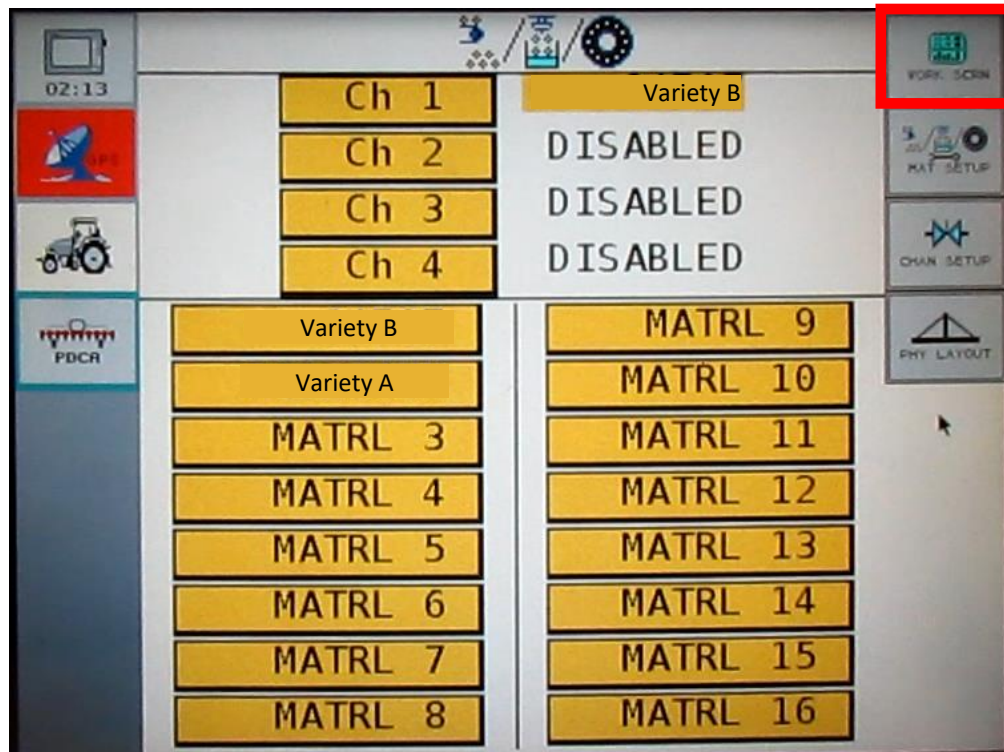
10

Press **CTRL Setup** icon to return to the Material screen.



11

To add more products repeat steps 2 to 9. To return to the planter screen press **Work Screen** icon.



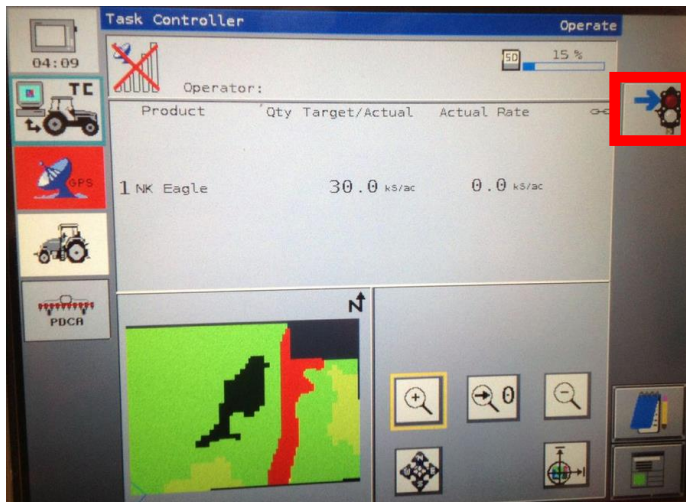
Changing Products Within A Field



Changing Products Within A Field AGCO FieldStar II

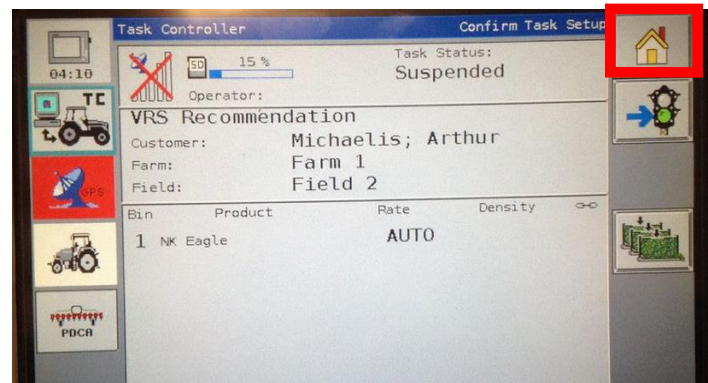
1

To change products within a Task the current Task must first be stopped. Press the **Stop Light** button to end the Task. **Note: most prescriptions change rates based on product type.**



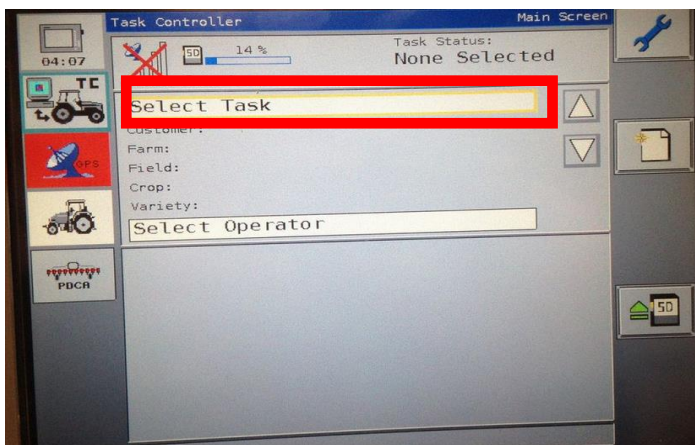
2

Press the **Home** button to return to the Main Screen in the Task Controller



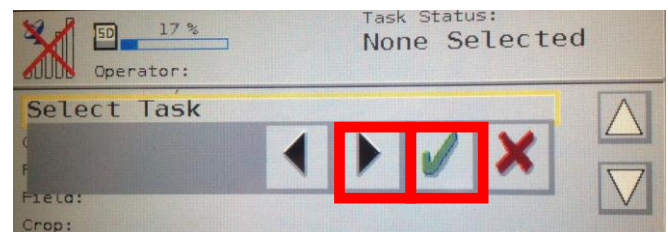
3

From the Task Controller screen press on the **Select Task** box to select a task.



4

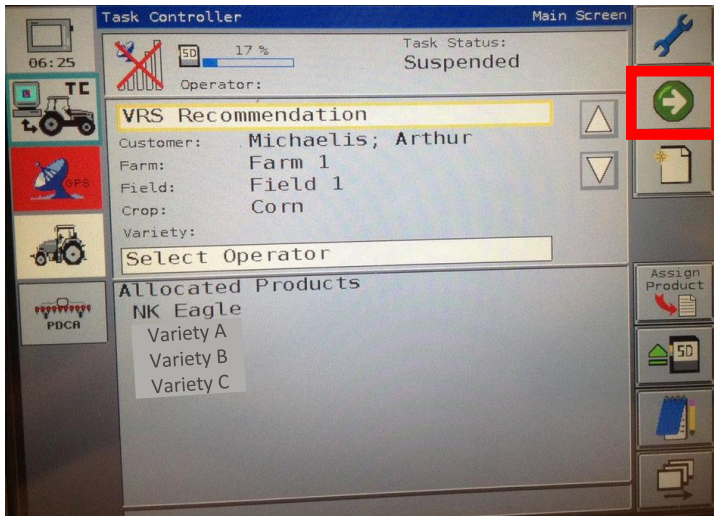
Press on the **arrows** to find the correct task. Press the **check mark** when finished scrolling to select the task. **Note: There may be more than one task with the same name. You will have to scroll and select each task until you find the one with the correct field information.**



Changing Products Within A Field AGCO FieldStar II

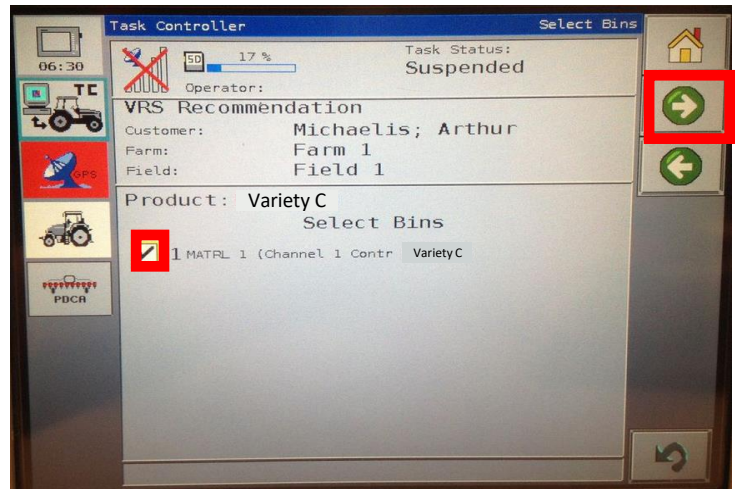
5

Once the correct task has been selected press the **Right Arrow**.



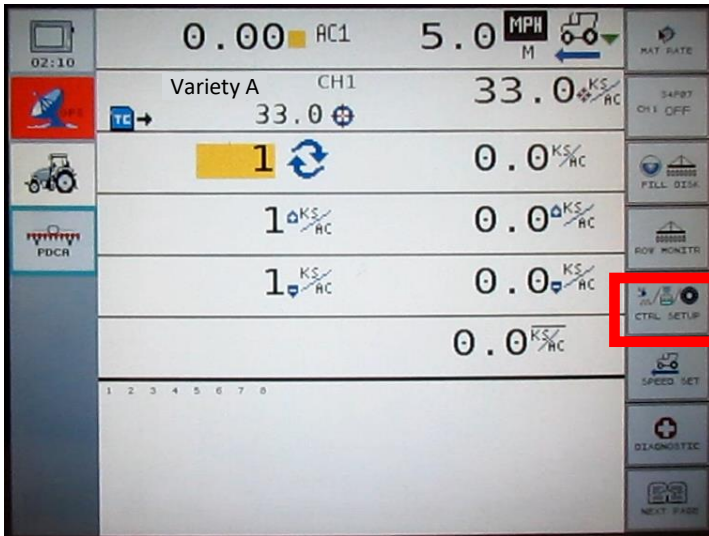
6

Press the **Right Arrow** to display different products. Once the correct product is displayed press the box next to the product to place a check in it. Once the proper product is selected continue pressing the **Right Arrow** until you enter the Confirm Task Setup screen.



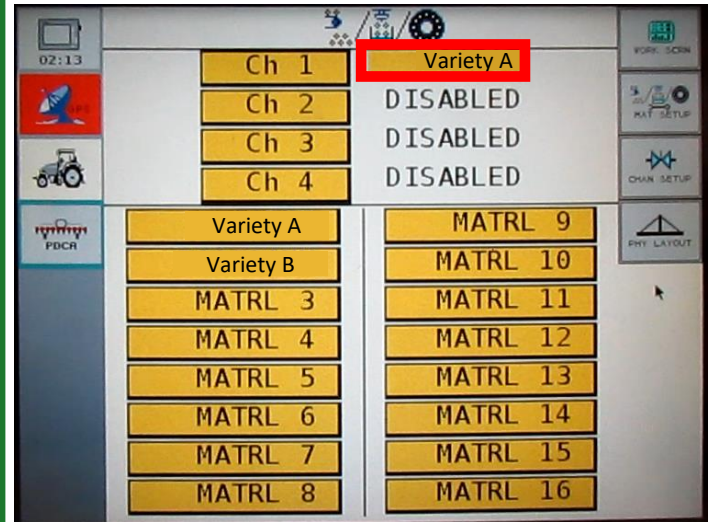
7 Changing Products in the Planter

From the Planter screen press **CTRL Setup** on the right side of the screen **Note: Products should be consistent between the Task Controller and the Planter.**



8

Press the **Channel 1 Product** to change the product.



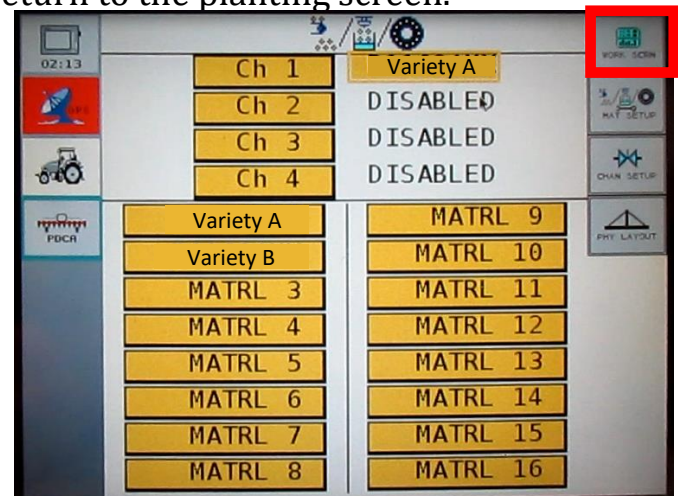
9

Press the **arrow** to select the correct product, then press the **check mark**.



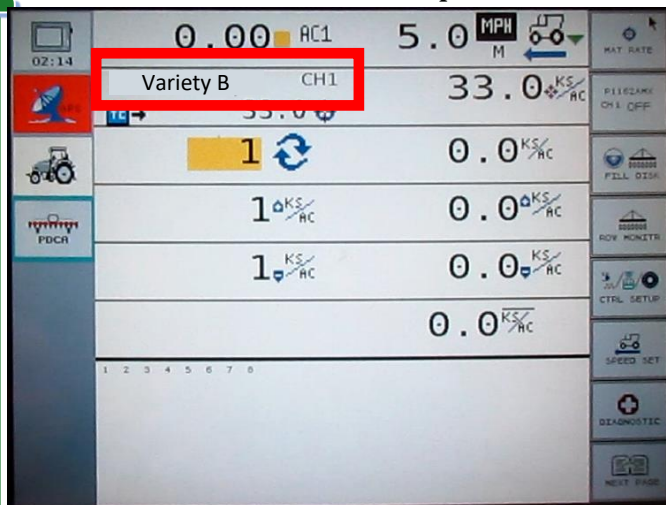
10

Once the product changes for Channel 1 are complete press the **Work Screen** icon to return to the planting screen.



11

CH1 should show the new product.



Exporting As-Applied Planting Files

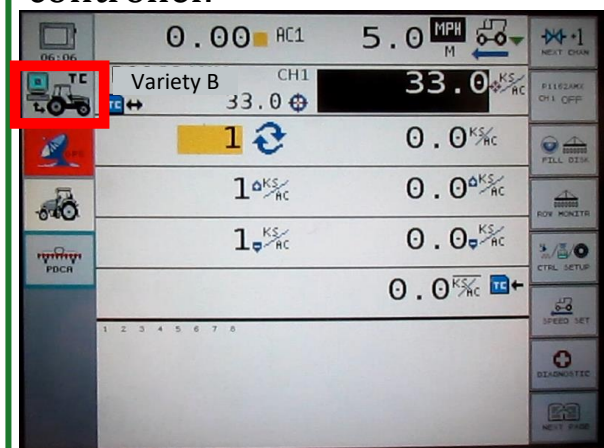


Exported As-Applied Planting Files

AGCO FieldStar II

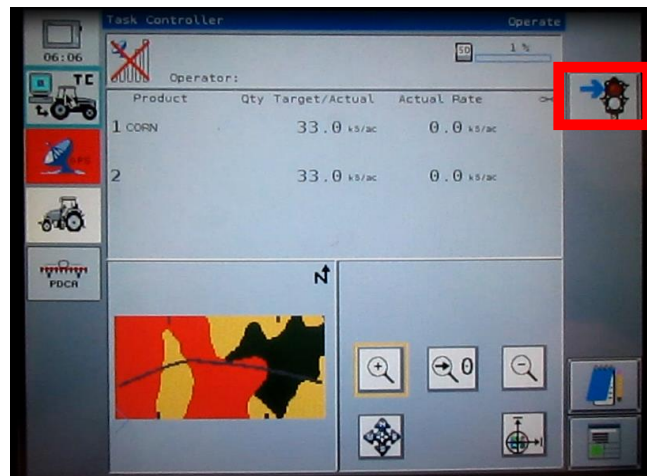
1

Press **TC** to go to the task controller.



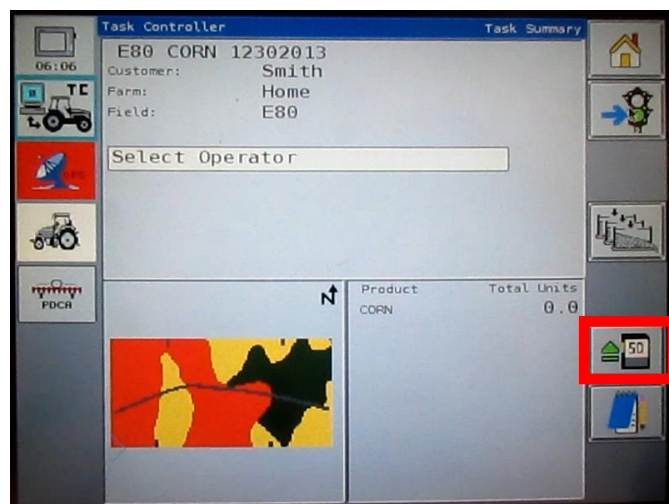
2

Press the **Stop Light** to stop the operation. **Note: this needs to be done before removing the SD card.**



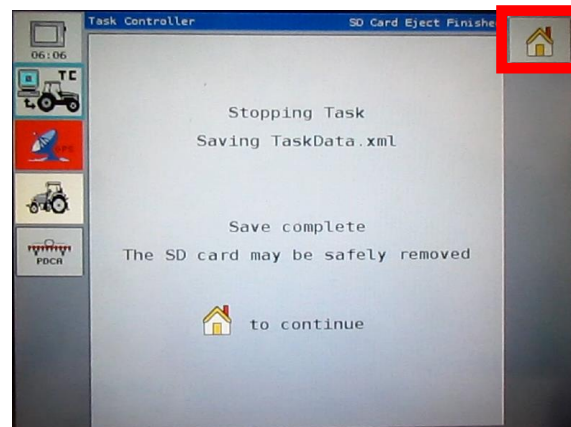
3

Press the **SD card eject** icon.



4

Remove the SD card once the saving is complete. Press the **Home** icon to continue.



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

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