IMPLEMENTS
RATE CONTROLLER

MIDWEST
MACHINERY CO

RATE CONTROLLER DRY SETUP - GEN 4

Setup of a Dry Rate Controller with a Pull Behind Spreader on a Gen4 4600/4640. This how-to guide shows setting up a spreader with a single bin.

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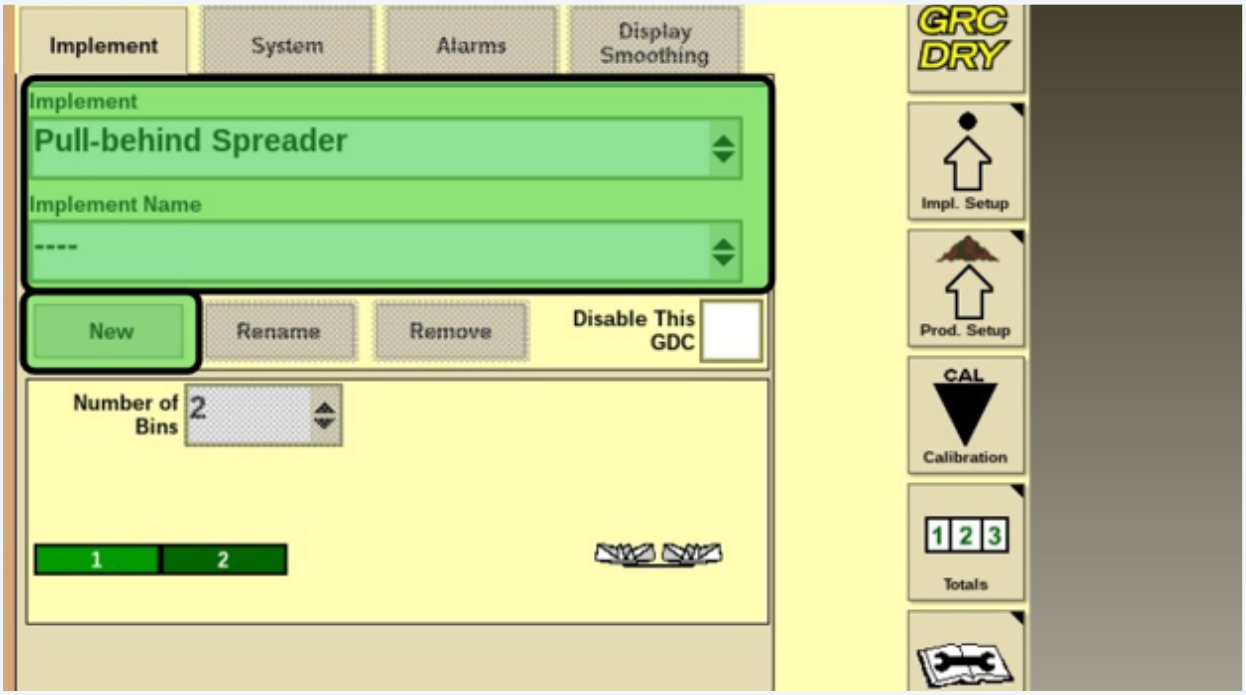
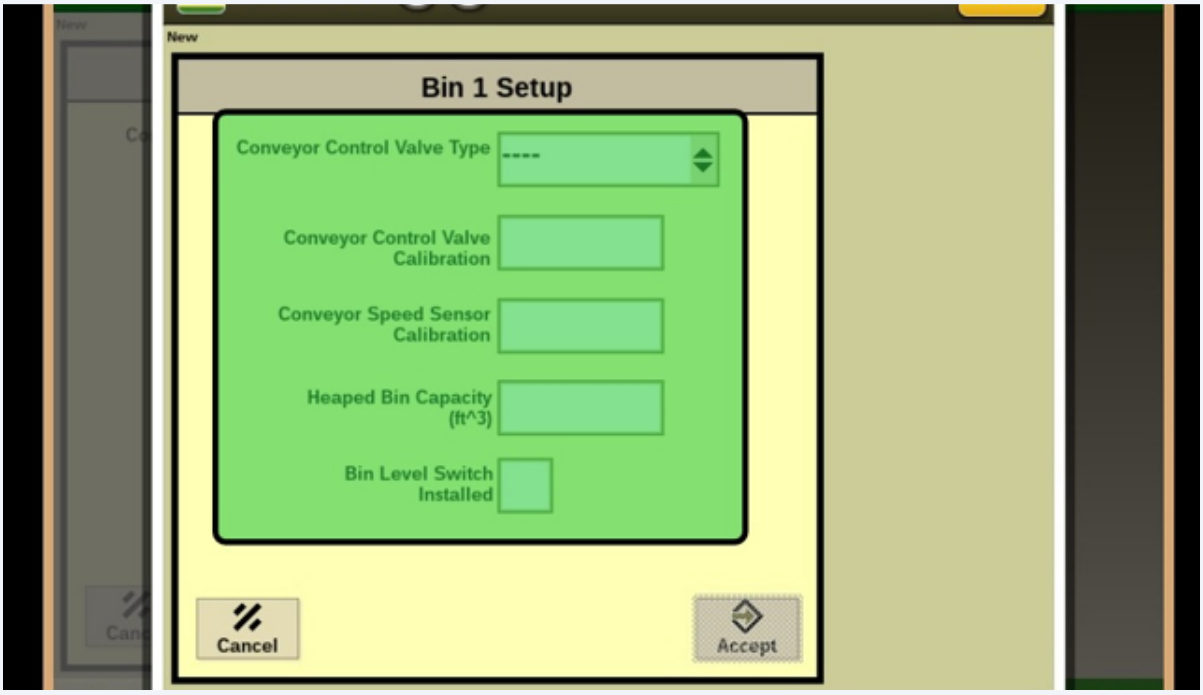
1 Select the Type of Implement from the first drop down and then select "New." Select the Number of Bins that the spreader has. This example will show only one bin



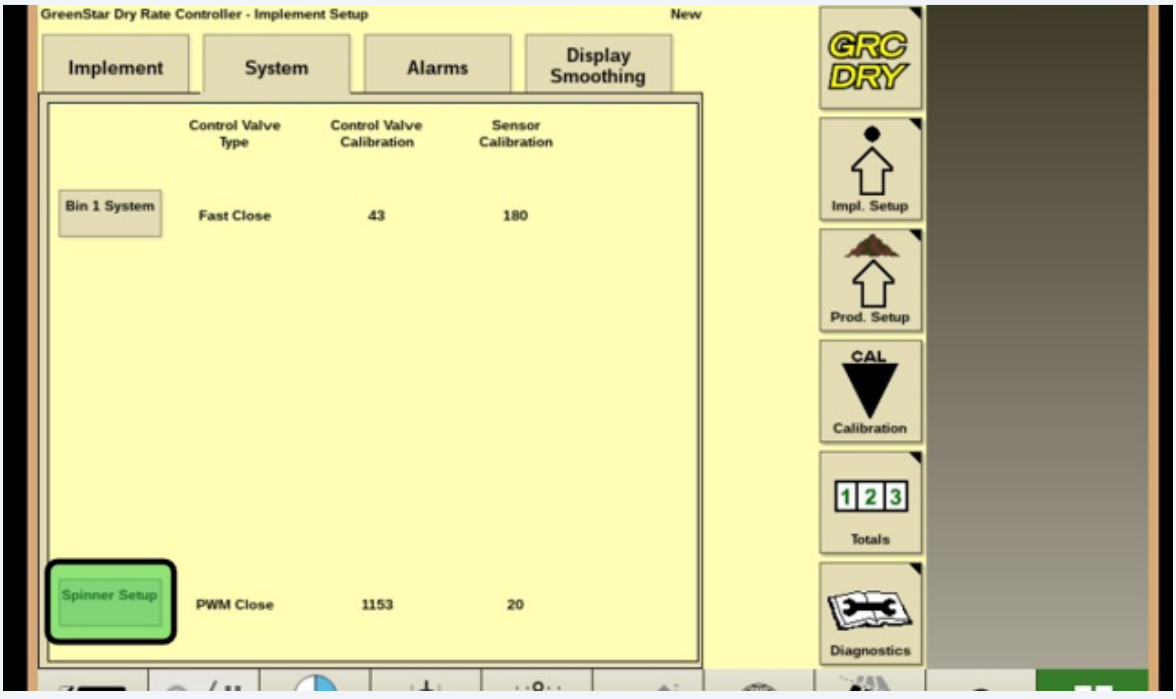
2 After typing in a name for your implement, select "OK"

3 Select "Go to Setup"

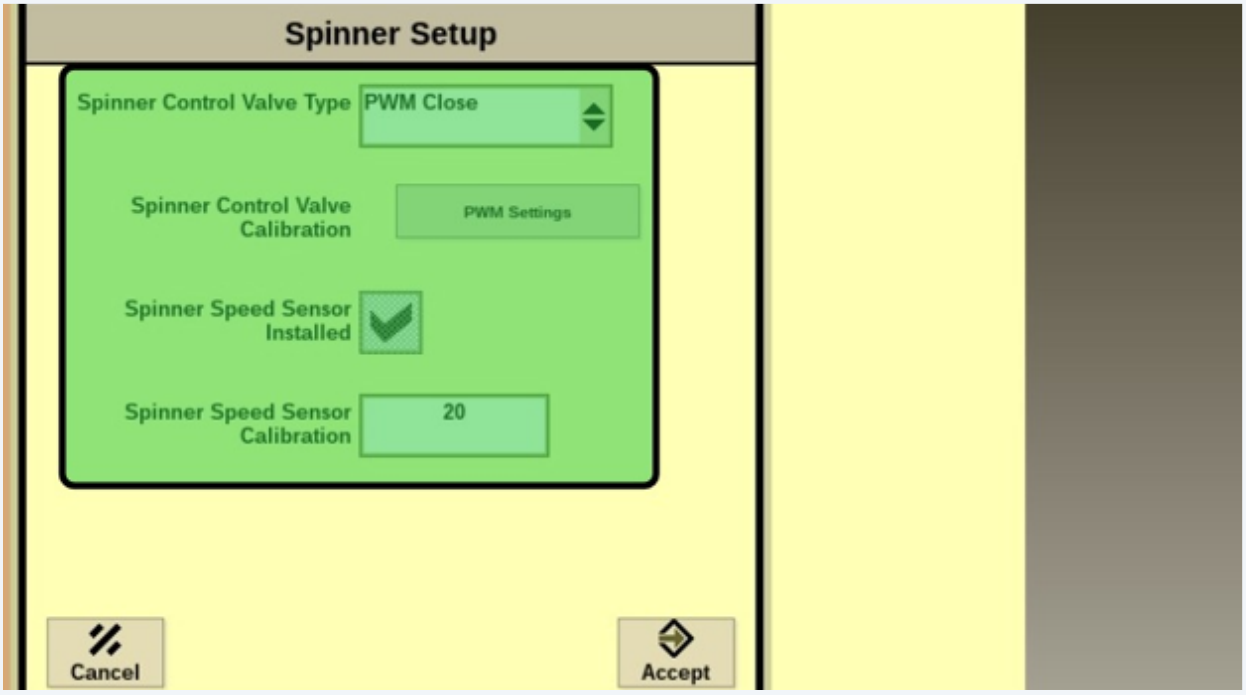
4 Fill out the information regarding the Control Valve Type installed on the Pull Behind Spreader. All of the information needed is found in the Operator's Manual of the Implement.



5 After filling out the information for the Conveyor/Apron Control Valve, select "Spinner Setup" to setup the system controlling the spinners

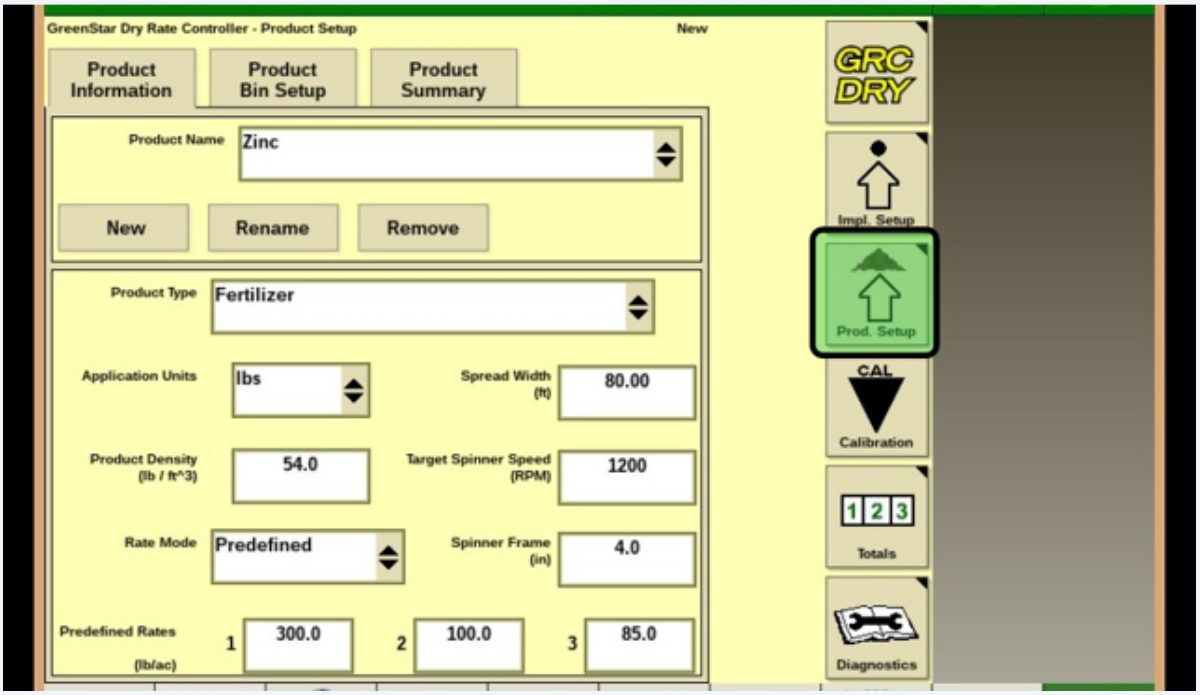


6 Similar to the Conveyor/Apron Control Valve, the Spinner Control Valve will ask for calibration numbers that can be found in the Operator's Manual of the Implement



Product Setup

7 Select "Prod. Setup" soft key on the right hand side of the screen

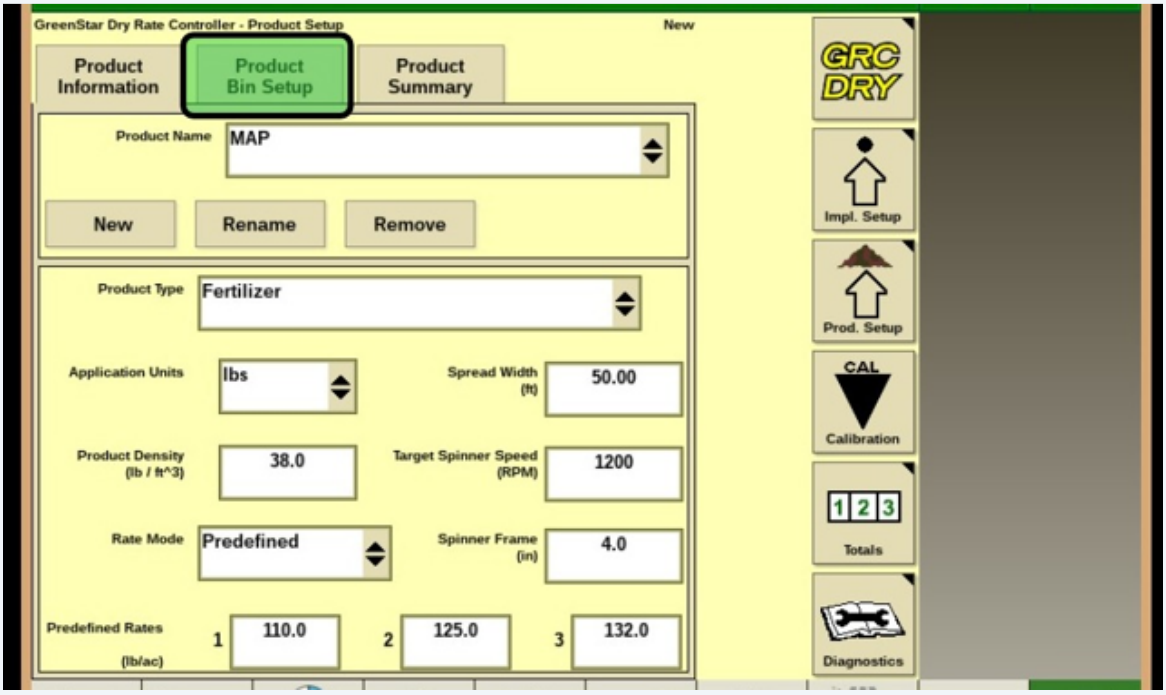


8 After selecting Prod. Setup, enter the required information into each box. Operator can setup multiple products in the "Product Name" drop-down depending on which product(s) they will use the most.

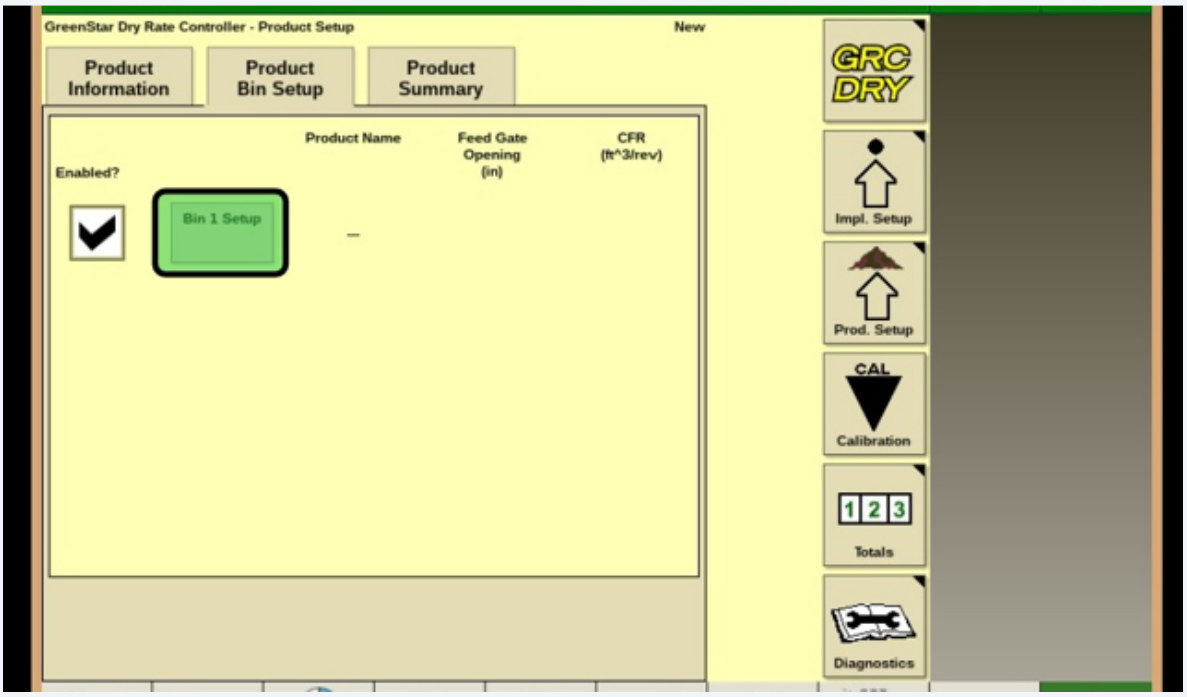
If customer is running a fertilizer prescription, switch the "Rate Mode" in Step 8 to "Map- Based"

The "Spread Width" box in Step 8 is where the display pulls the "Working Width" information from.

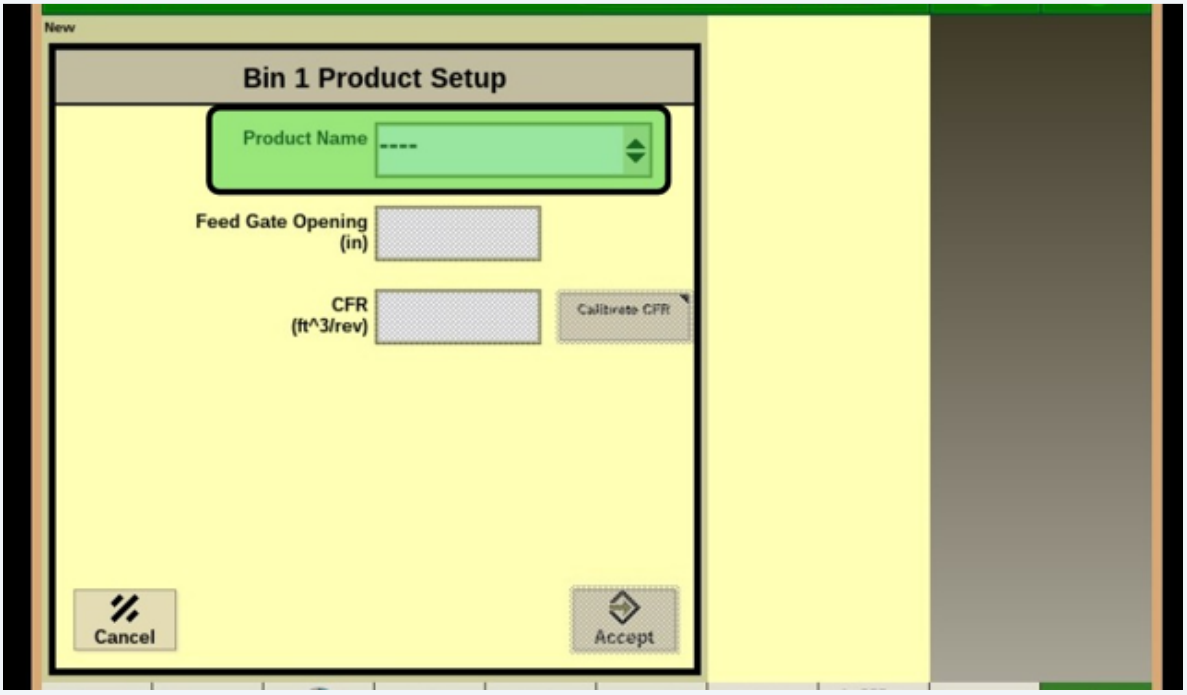
9 Select "Product Bin Setup"



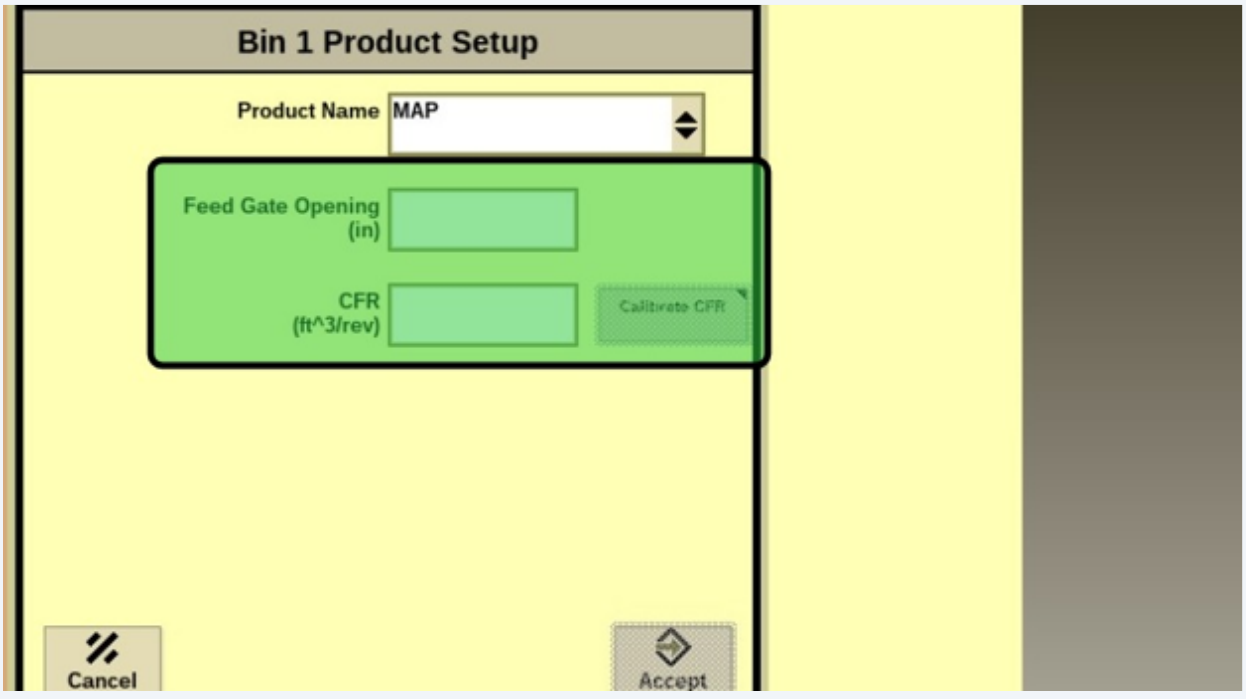
10 Select "Bin 1 Setup"



11 Select a Product Name from the drop-down



12 Enter the Feed Gate Opening in Inches as well as the CFR. CFR is the Cubic Feet per Revolution. CFR is generally found in the Operator's Manual of the implement. This will change based on the Gate Opening

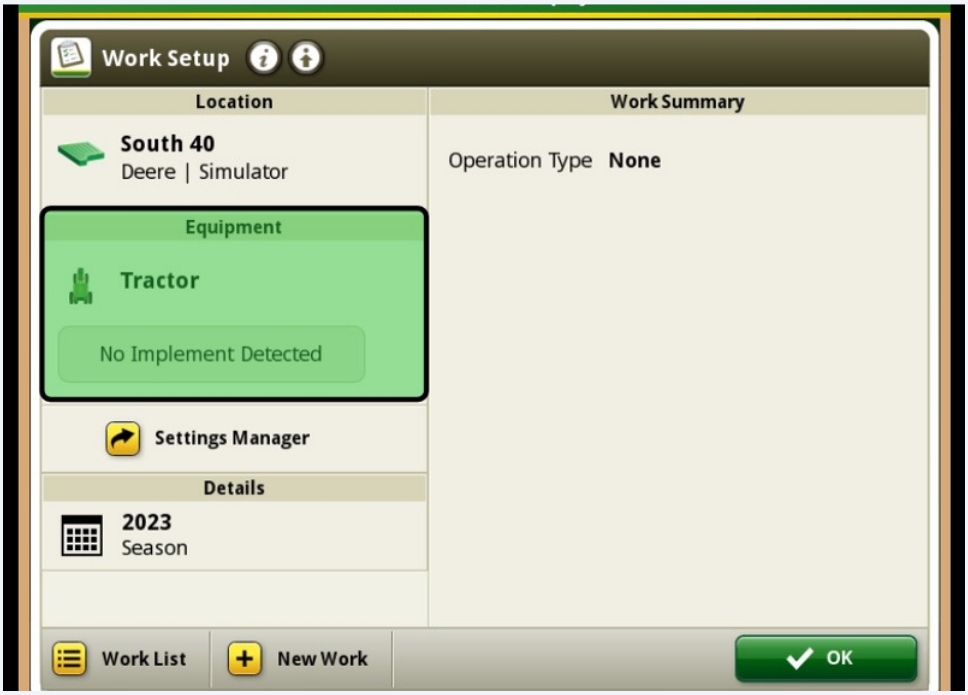


If there are multiple bins on the spreader, bins can be chained together as long as the products are setup the same in the "Product Setup" page in Step 10

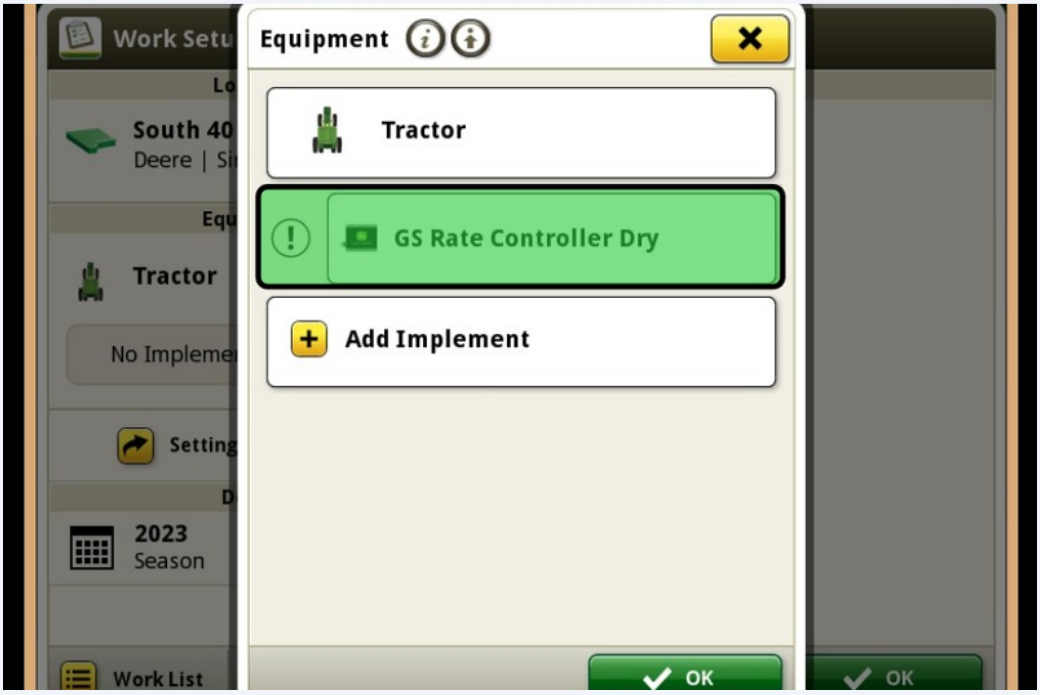
Implement Setup

13 Once Rate Controller has been setup, Select Work Setup shortcut in bottom left of the screen. If shortcut bar has been modified, Work Setup will be located in the Menu > Applications > Work Setup

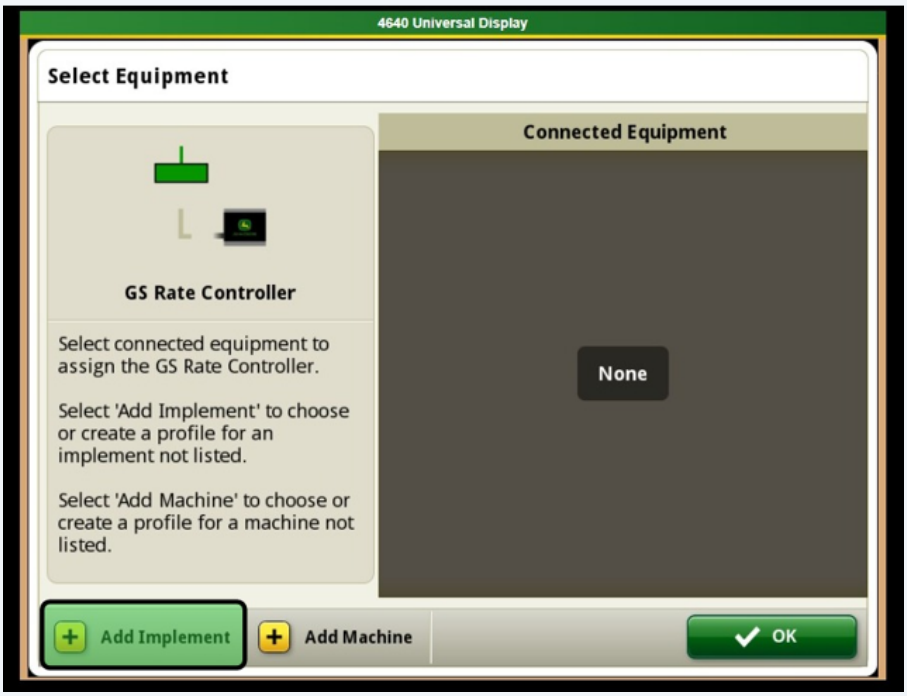
14 Select the area under "Equipment" in Work Setup



15 Select "GS Rate Controller Dry"



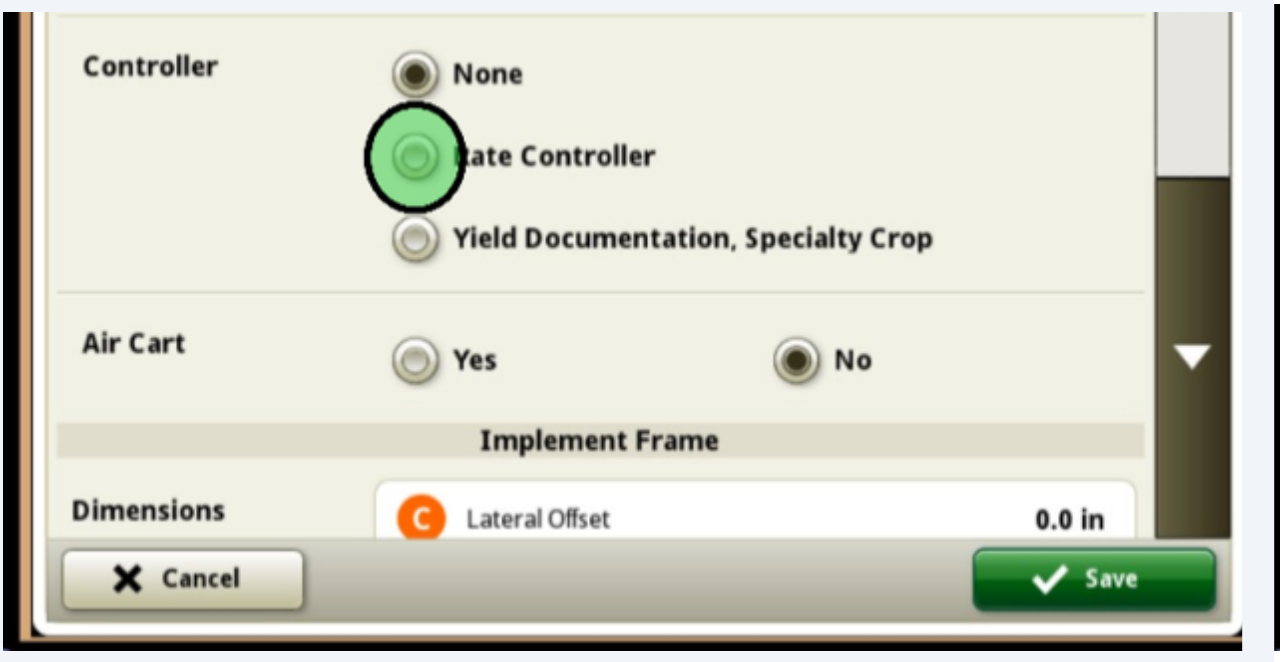
16 If a Setup File has not been loaded to the display with an applicable implement, Operator will need to add one. Click "Add Implement" at bottom of the screen.



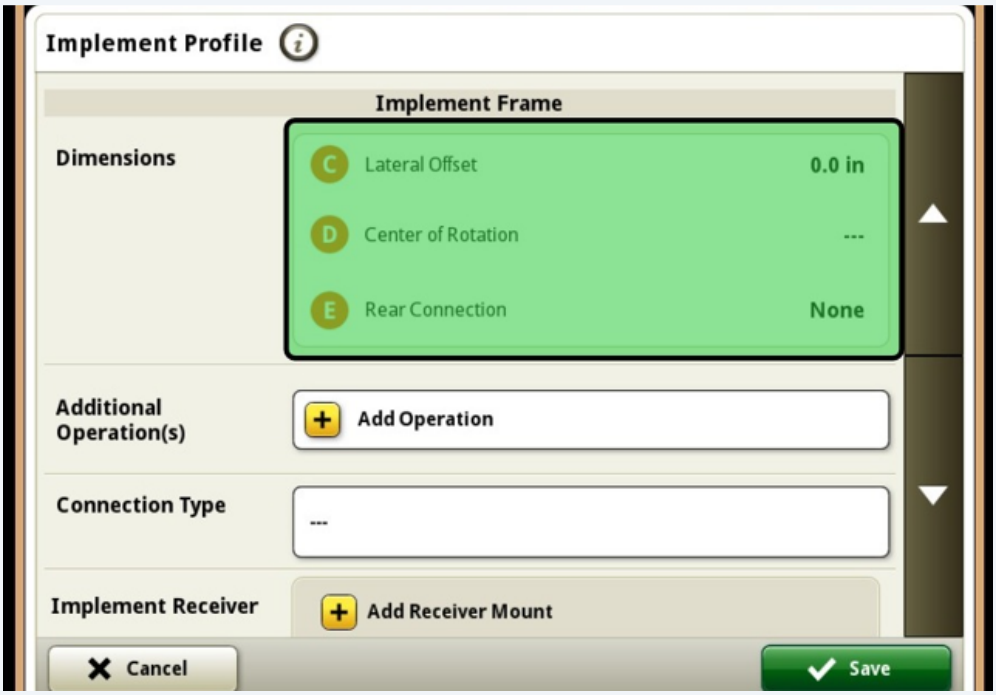
If Operator has loaded a setup file, they can add one of their preloaded implements at this time. If not, proceed to Step 17

17 Select "New Profile"

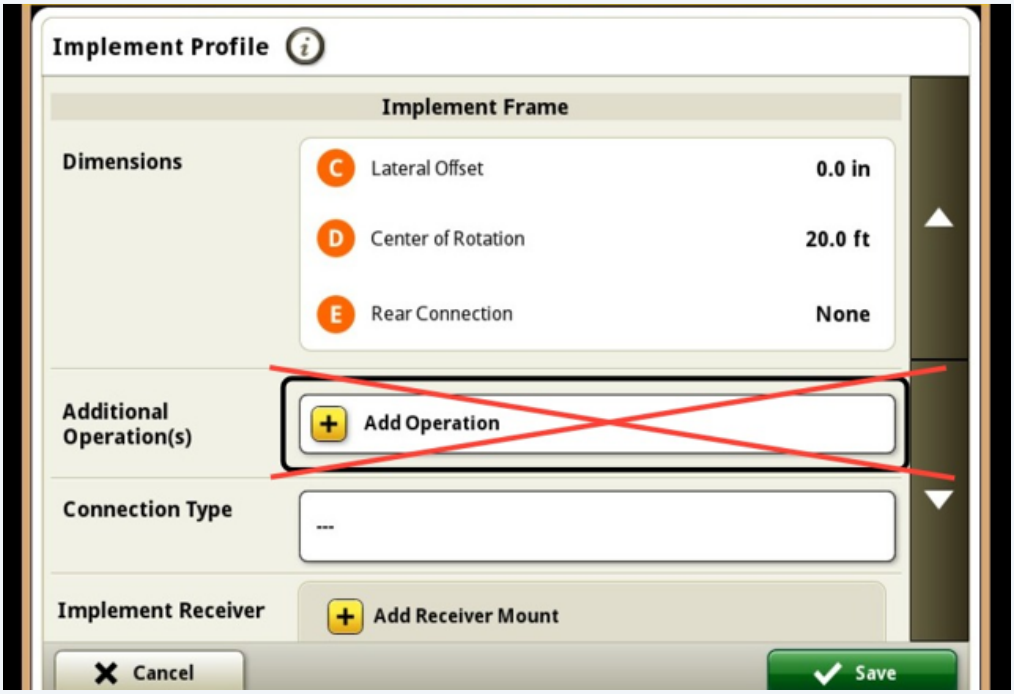
18 Check the box next to Rate Controller in the "Controller" section. This tells the system there will be a Rate Controller controlling this implement



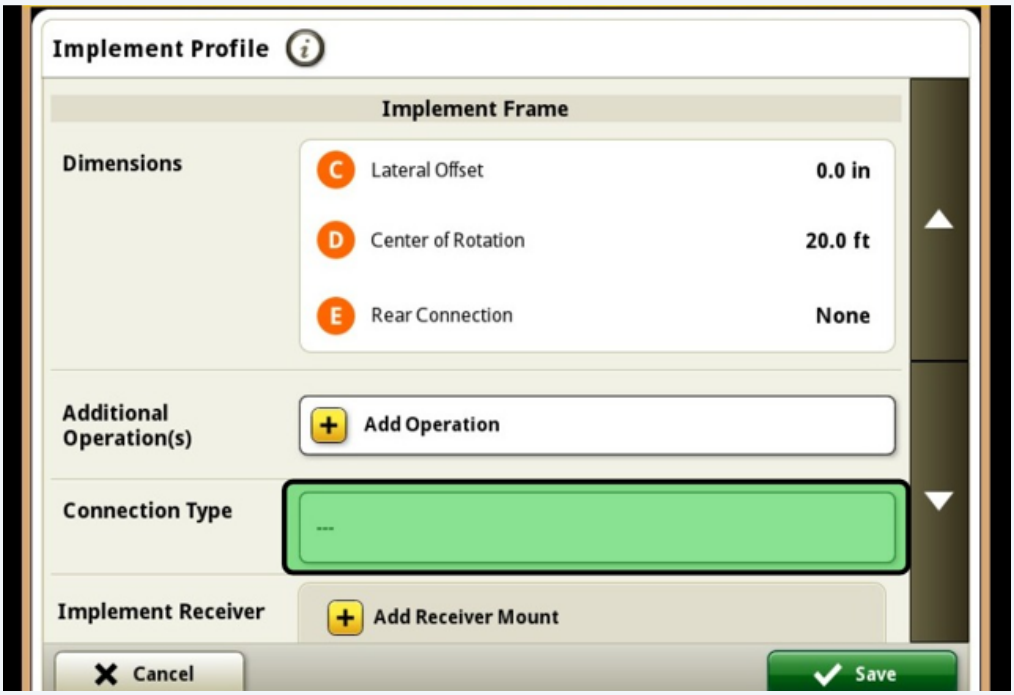
19 Enter in Measurements for the Implement



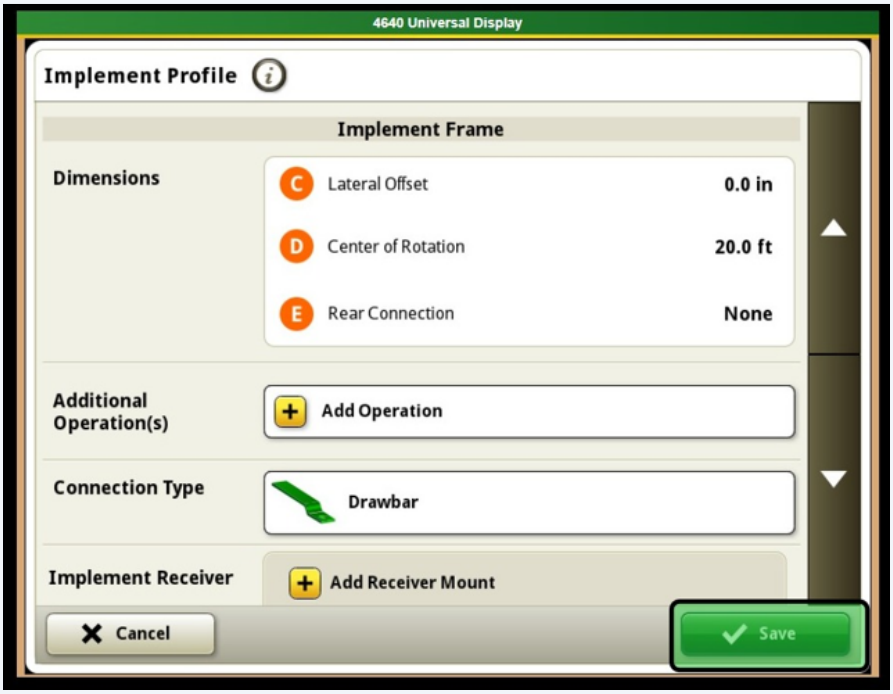
20 DO NOT add an Operation. An Operation will be added automatically when the Rate Controller is paired to the Implement



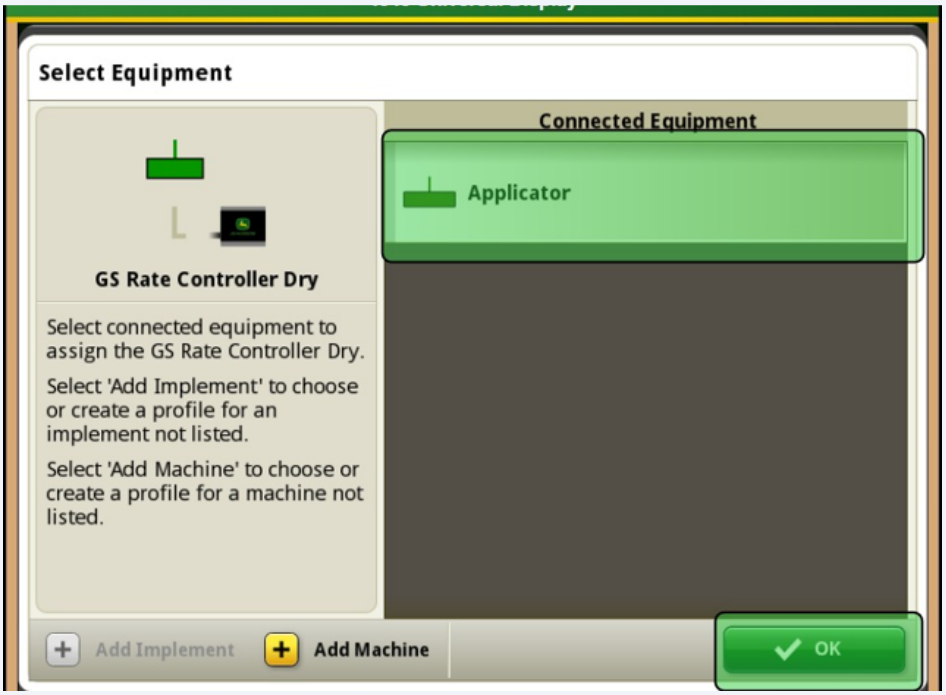
21 Select a Connection Type



22 Save the settings for the Implement



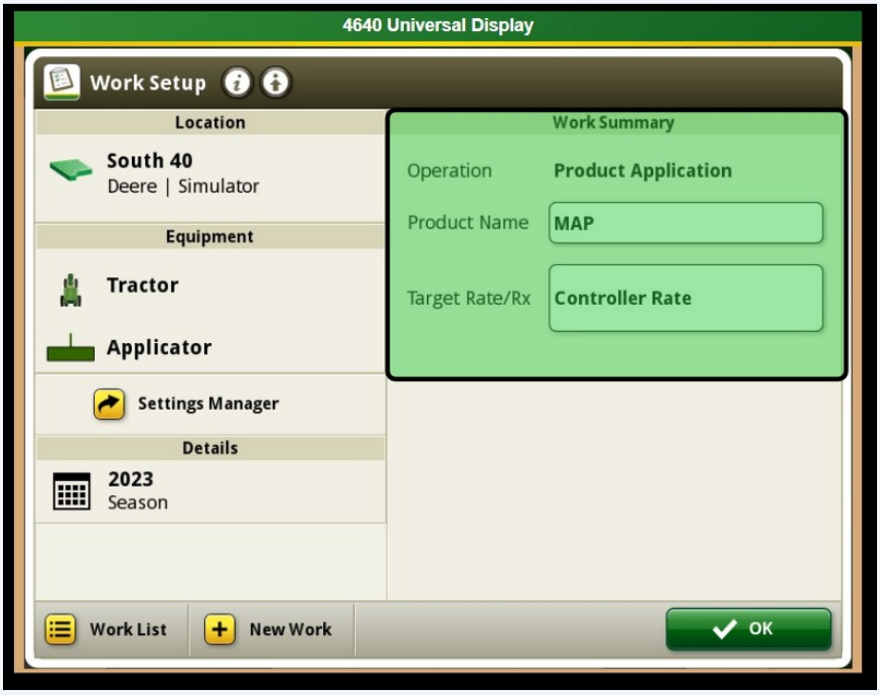
23 Next, Operator will select the implement just created as the "Connected Equipment." Then, select Ok



24 Verify Settings for the Implement Profile. This includes the equipment it is connected to, the working width, the work point measurement (Section Control runs off this measurement), and the mechanical delay on/off times. Once verified, hit Save

Setting Up the Work Summary

25 Once Implement settings have been saved, fill out the Work Summary area for accurate documentation.



Additional Notes

The number of operations available in the Work Summary of Step 20 are dependent on the number of bins setup with product

Operator NEEDS a constant power harness to connect the Rate Controller master switch (foot pedal) to the Front Extension Harness. BPF10403 for Row Crop tractors and BPF10404 for 4WD Tractors

26 When completed, Rate Controllers setup for applying should look something similar to the screen below. The implement (Applicator should have a gray "L" connecting it to the GS Rate Controller Dry box