KIBBLE EQUIPMENT

Your Farm. Your Future. Our Focus.

READY TO SPRAY GUIDE

Gen4 Monitors
4640 Display

JOHN DEERE

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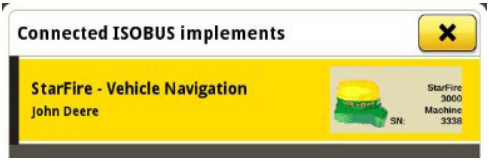
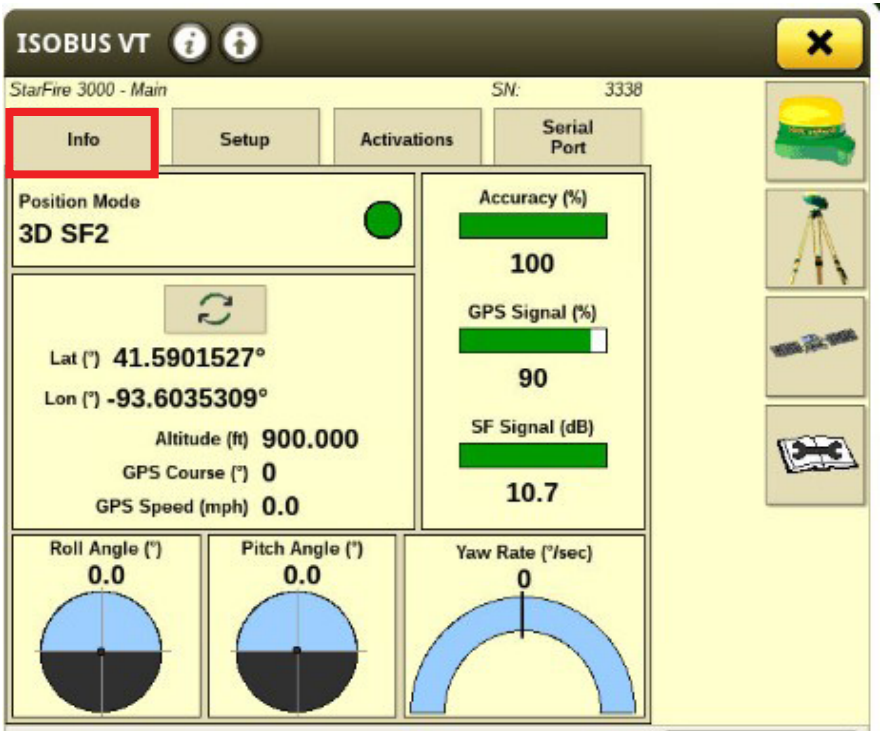
GPS Receiver Setup

Gen4: Select ISOBUS VT from shortcut bar. Choose Menu button in right hand corner then choose Starfire Receiver.

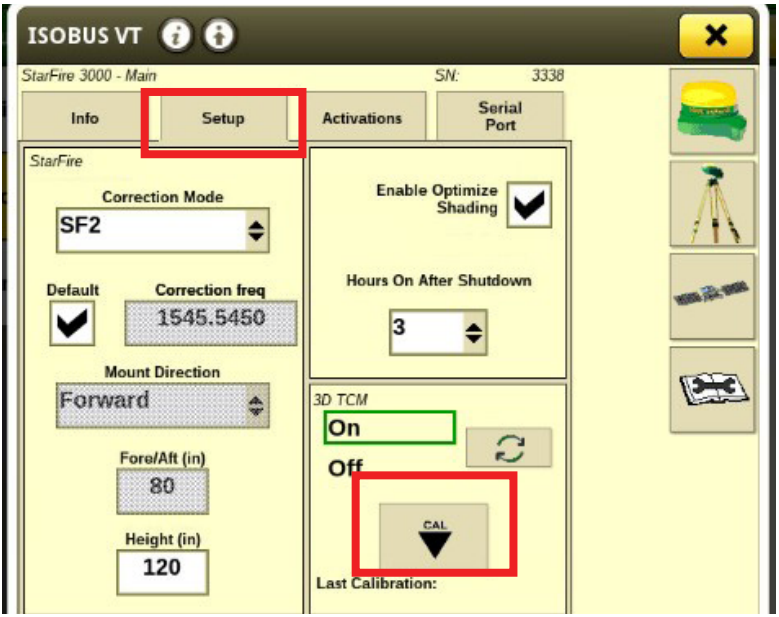


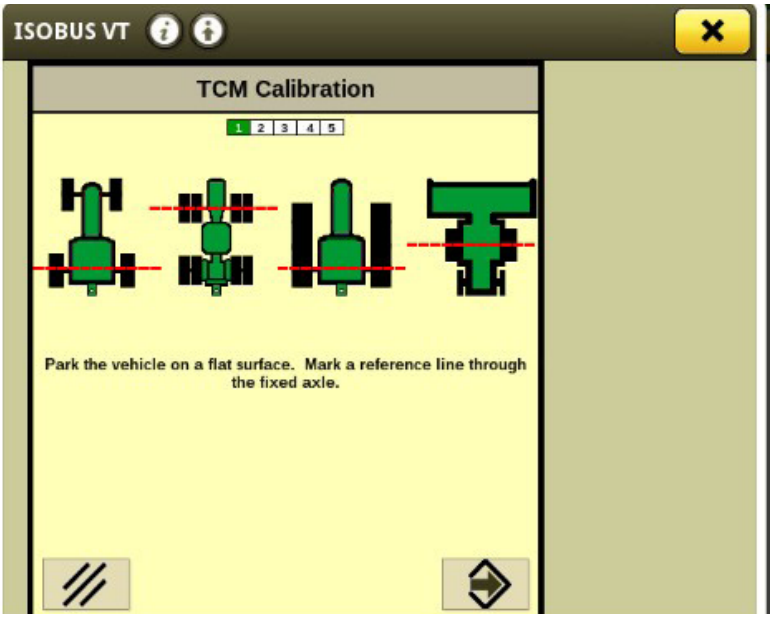
Verify signal is 90% or greater under info tab before starting any fieldwork.



Then navigate to setup tab to calibrate TCM. Follow on screen instructions.

GPS Receiver Setup, continued



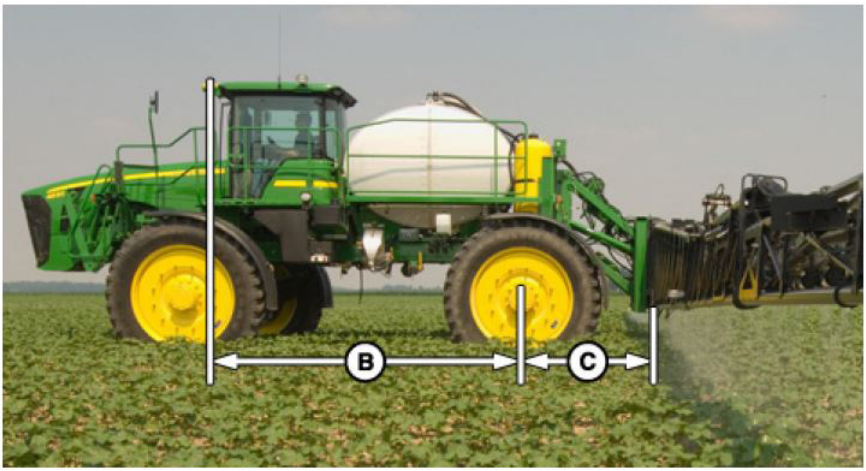


Machine Offsets

A) Center of GPS Receiver to Center line of Machine

B) Center of GPS Receiver to Center of Non-Steering Axle

C) Center of Non-steering axle to spray nozzles
(in operating position)

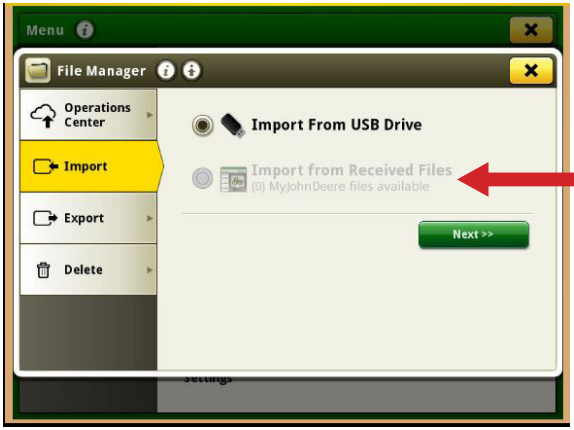


Implement Width: Width of spray area, may extend outside of spray booms.

Importing Data

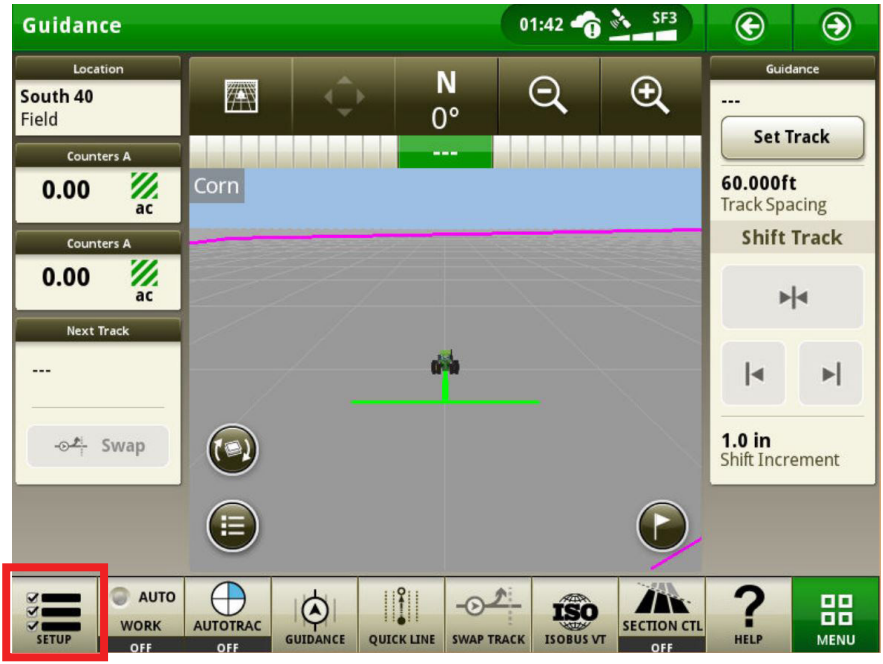
Data Import using a USB Drive

Insert USB with setup data. Import screen will appear. Select the Next button. Choose setup files and Accept to import.



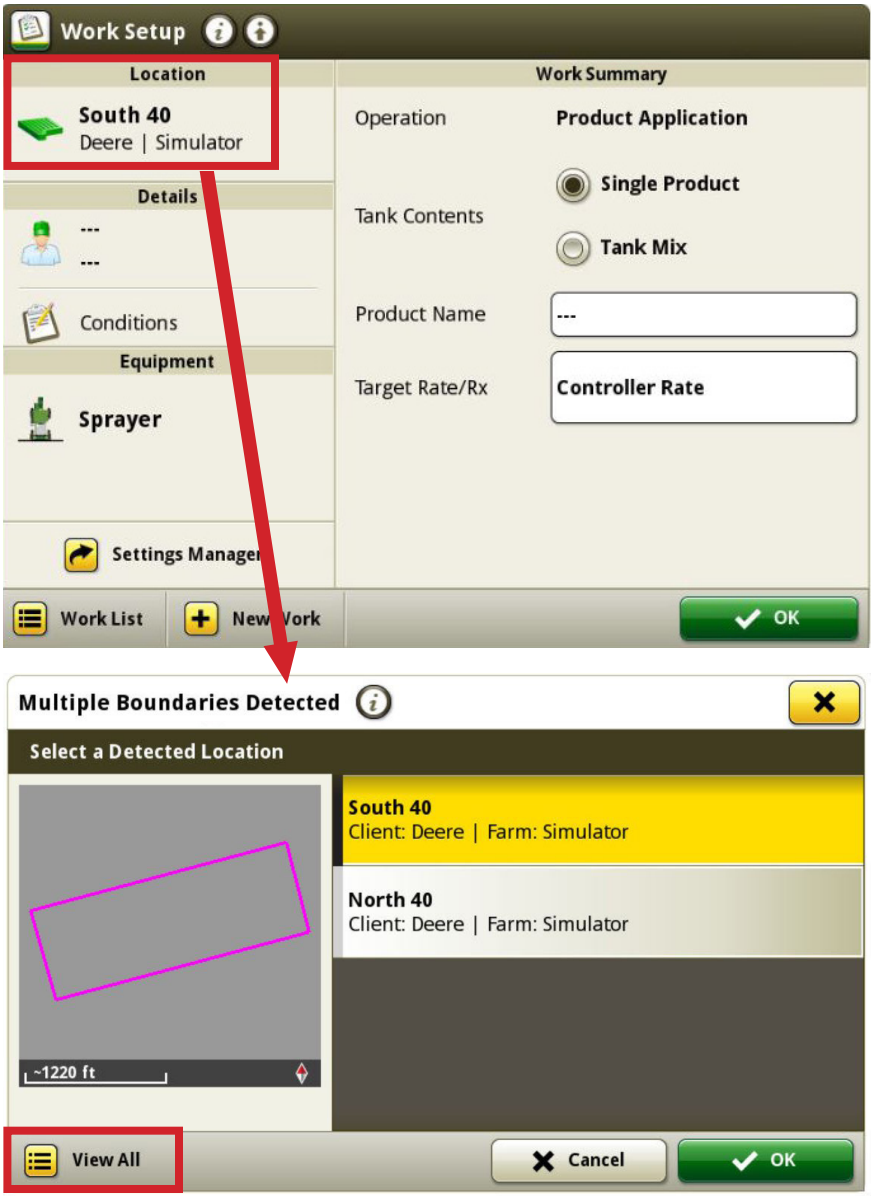
When files are sent wirelessly from MyJD. Choose Import from Recieved Files.

1. Select the Setup button.



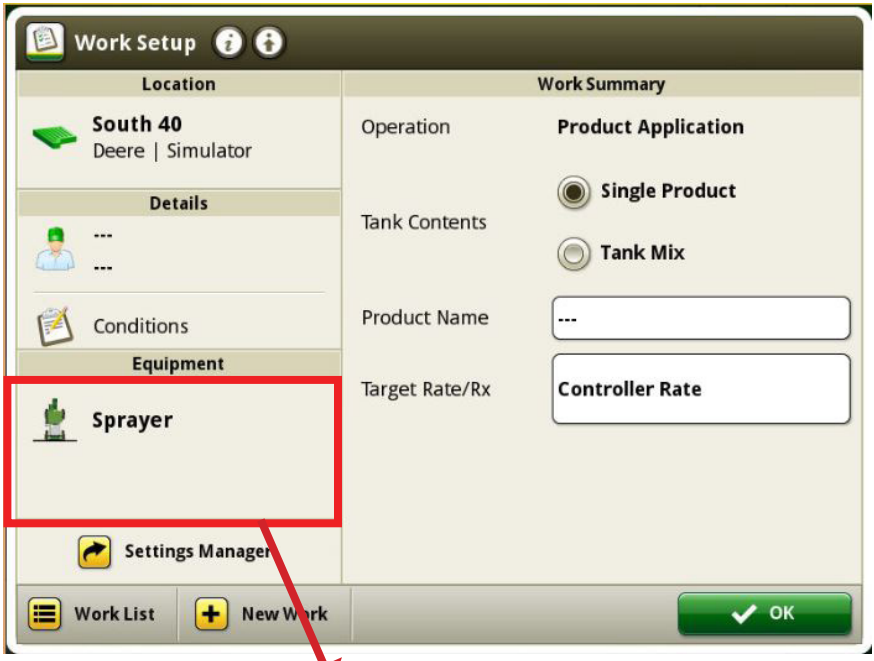
Work Setup

2. Select the Location button and select your Client, Farm, and Field. Press View All to see entire list.



Work Setup, continued

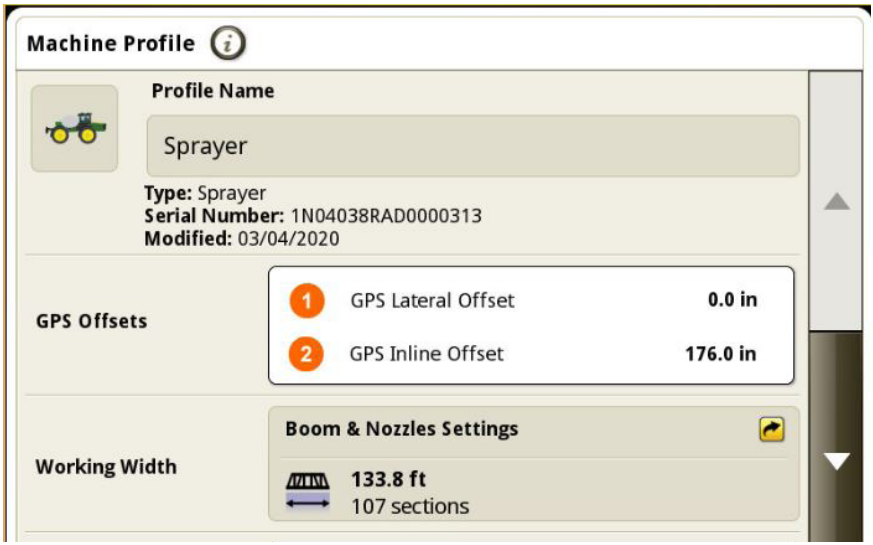
3. Select the Equipment button and select your Machine.



4. Select Sprayer and enter offsets.

Machine Profile

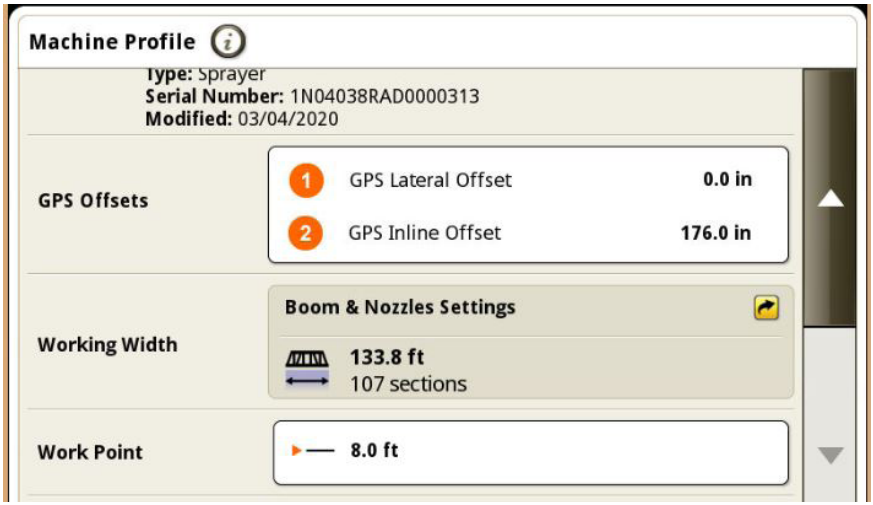
5. Under Machine Profile select GPS offsets.



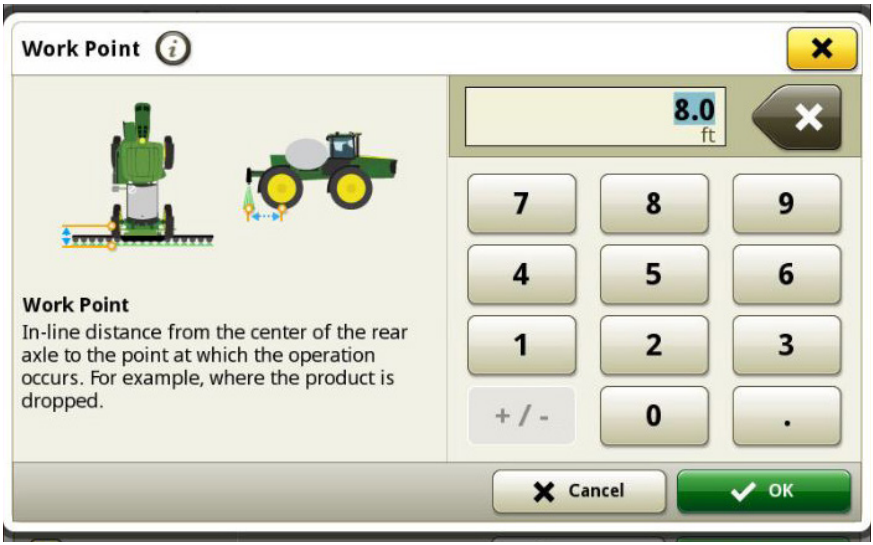
6. Enter receiver measurements.

Machine Profile, continued

7. Scroll down to work point. Select to edit.



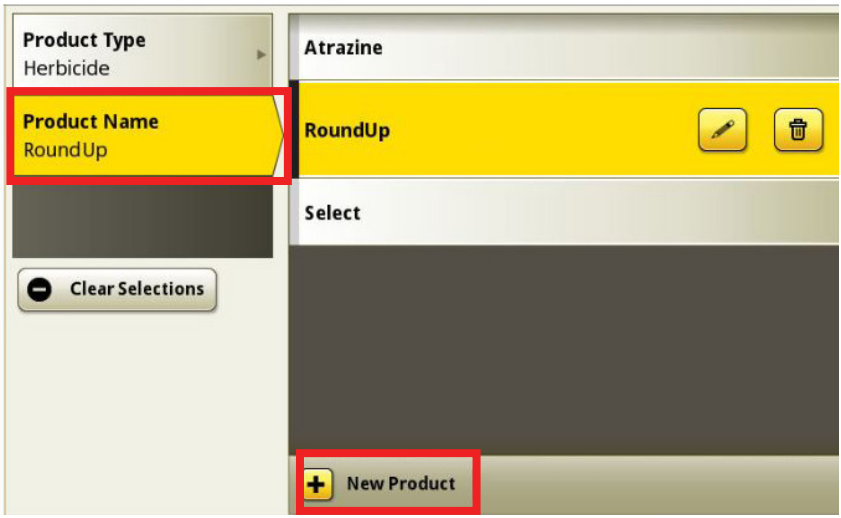
8. Open the Work Point. Enter measurment from center of rear axle to spray nozzles.



Work Summary

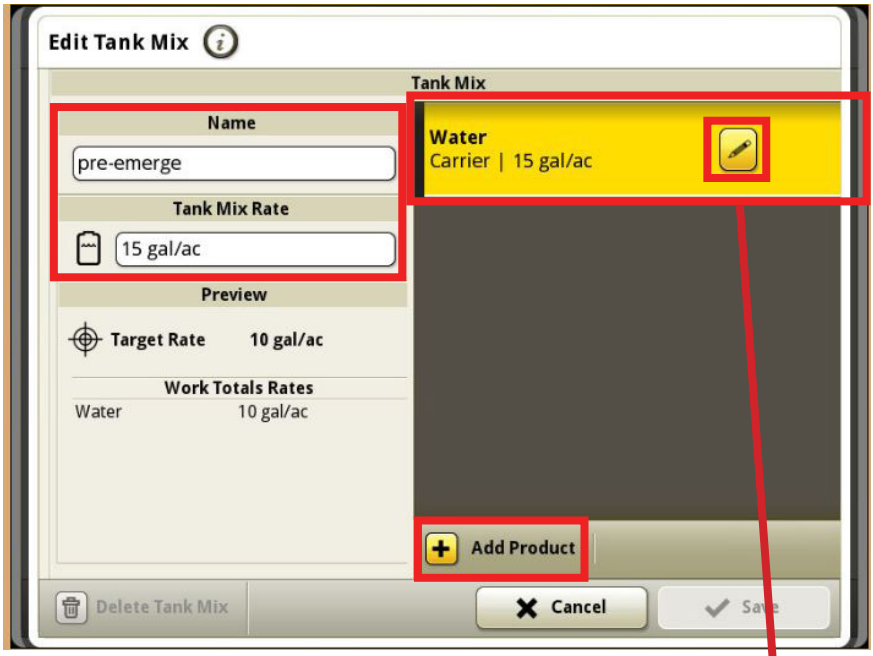
10. Select Single Product then choose Product Type.

11. Next select Product Name and select the name of the product or enter a new name by clicking New Product at the bottom of the page.

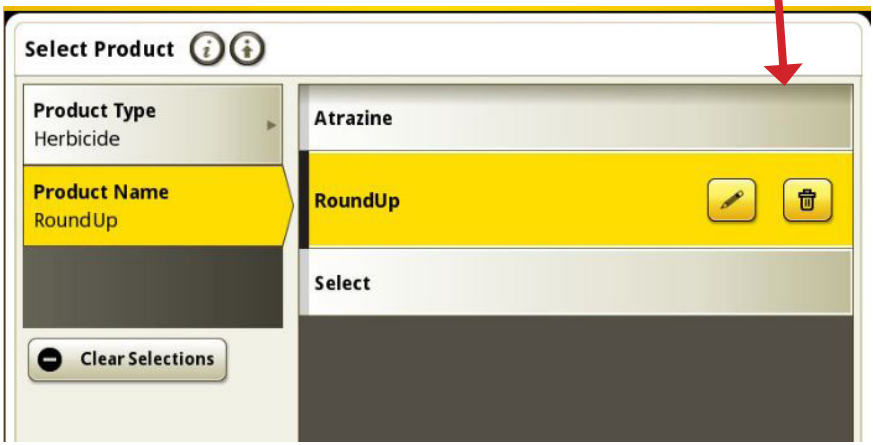


Tank Mix

12. Select Tank Mix option. Press New Tank Mix and enter name, rate, and add product. Water will be the default carrier but it can be changed by selecting the edit button.

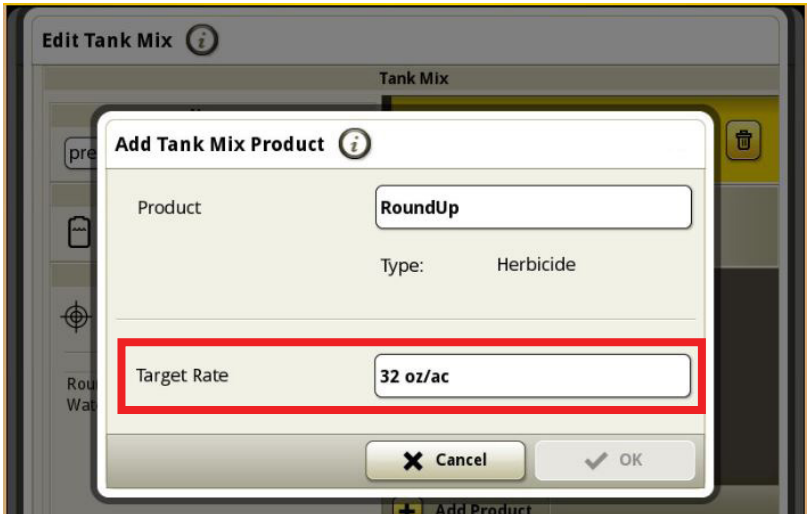


13. Select Add Product to select product type and name.

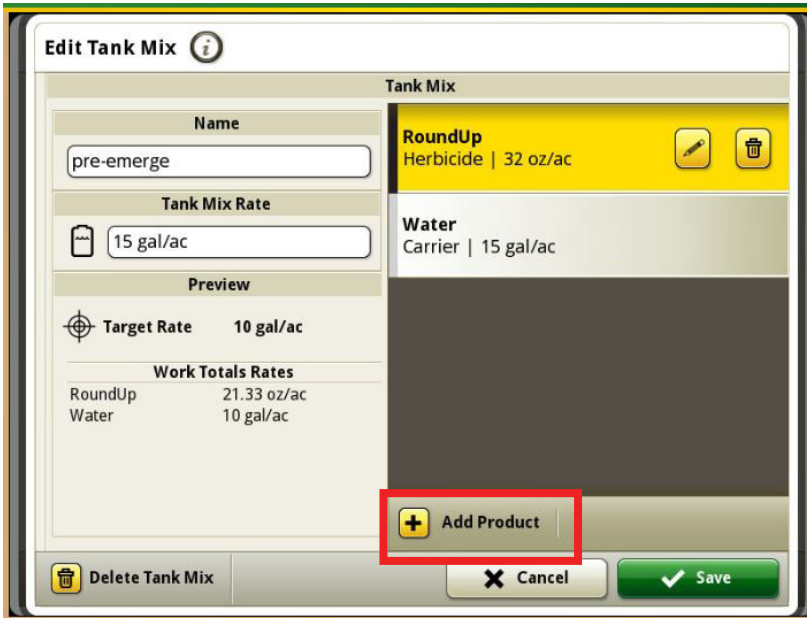


Tank Mix, continued

14. Assign a rate for each product in the tank mix.

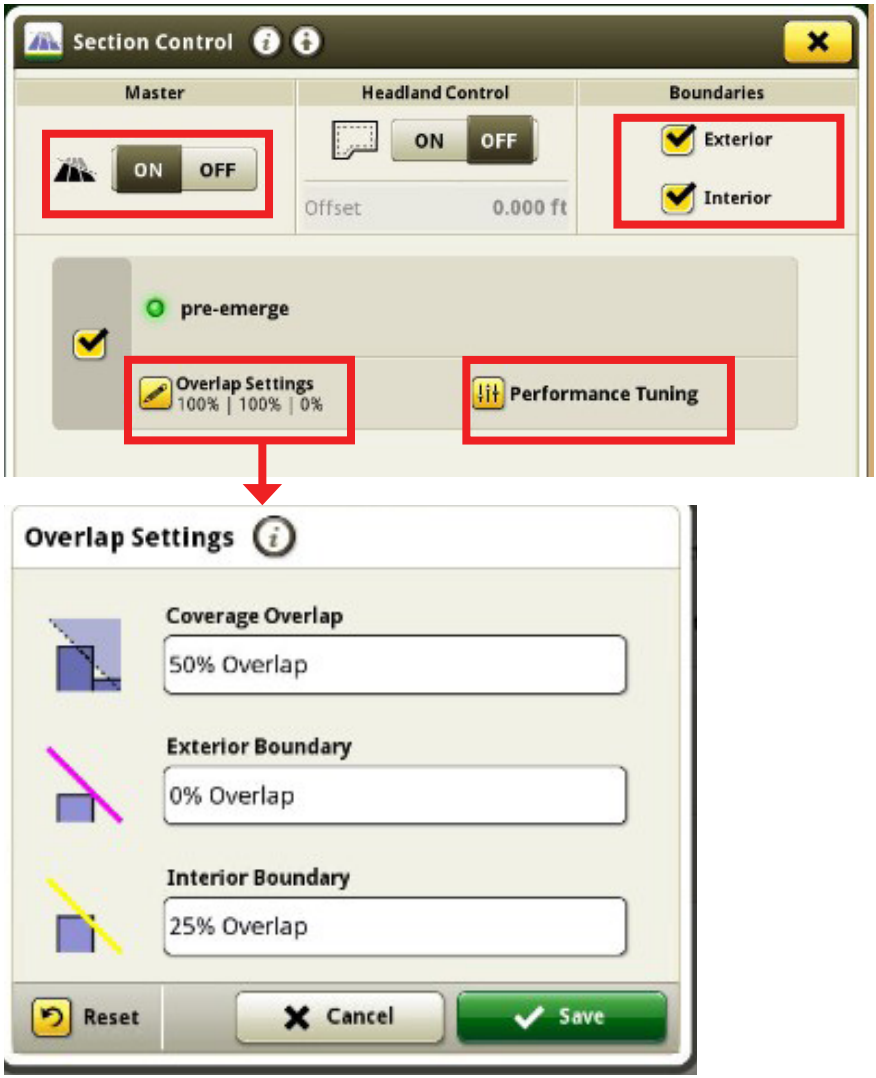


15. Select Add Product to add additional products to complete tank mix.



Section Control

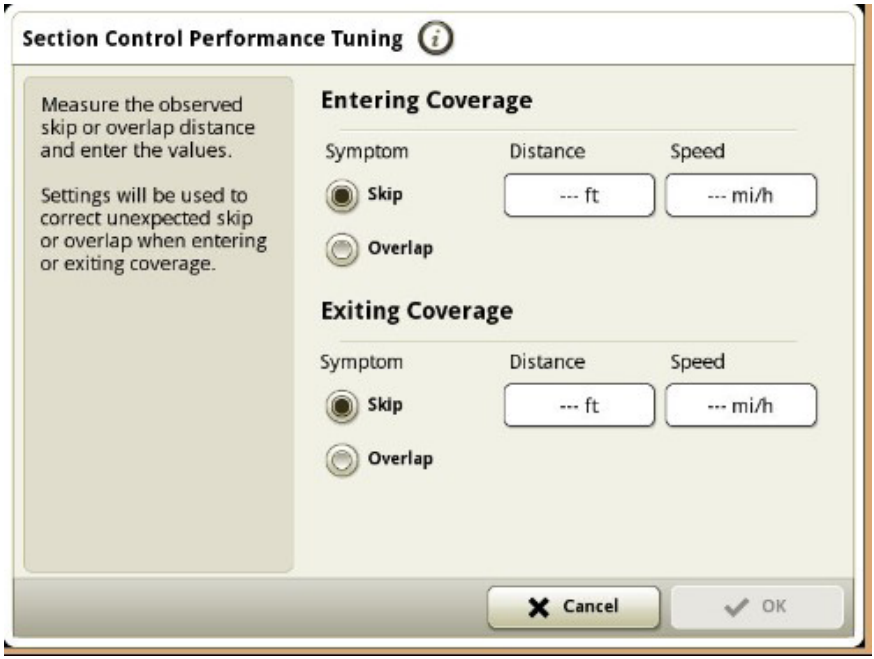
Select Menu → Applications → Section Control. Turn Master On. Select Boundaries if using.



Select Overlap Settings to edit values to the desired percent overlap.

Section Control, continued

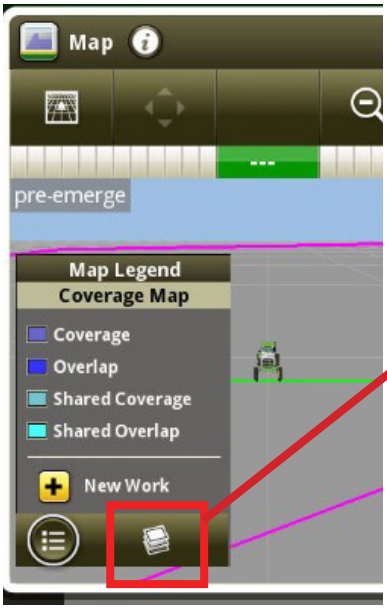
Use Performance Tuning while spraying to fine tune section control skips/overlaps by measuring distance and noting speed.

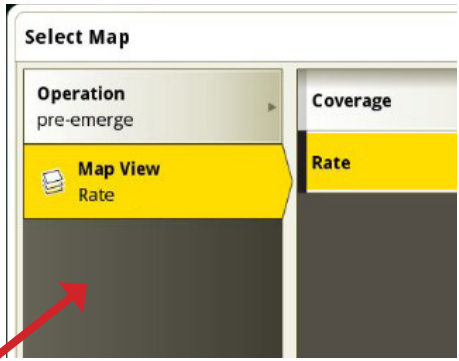


Go to Applications → Layout Manager → Shortcut Bars → Default Shortcut Bar to add section control master switch.

Map Setup

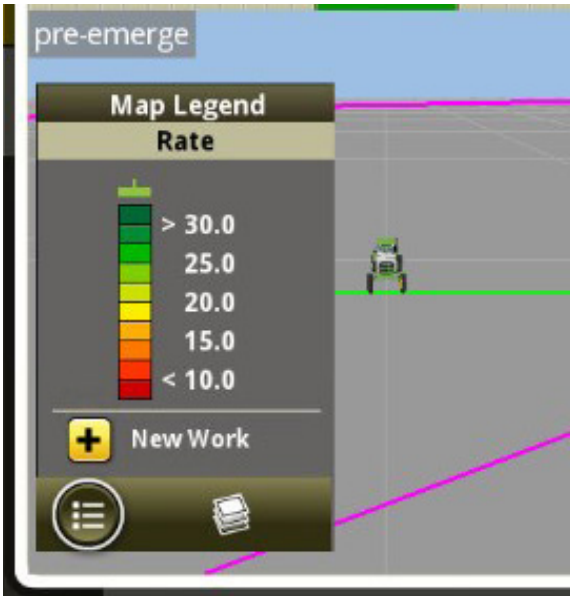
If you'd like to view a rate map instead of a coverage map click Menu then Applications, Next, select Mapping and choose the Map View icon.





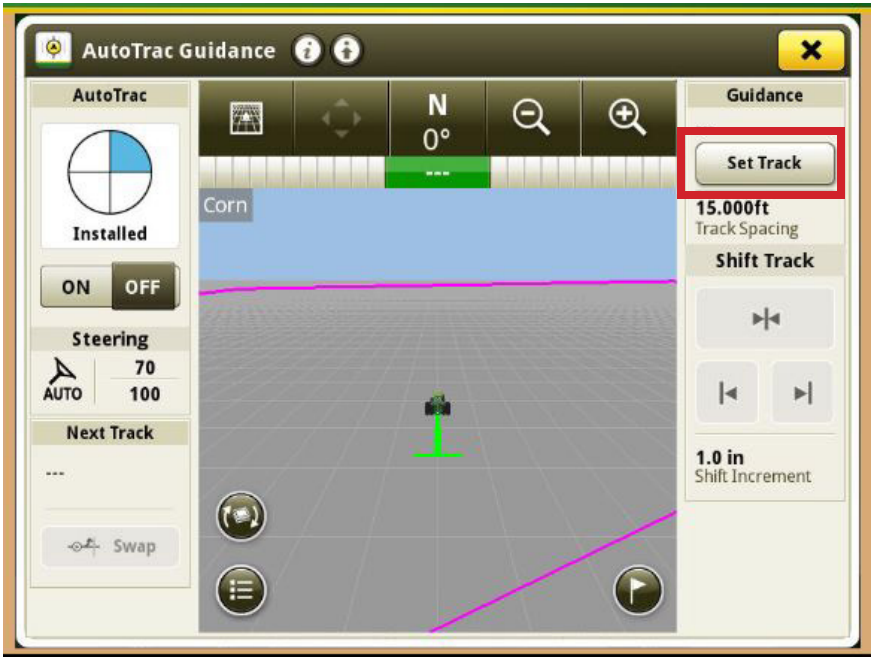
Select Rate and OK to save settings.

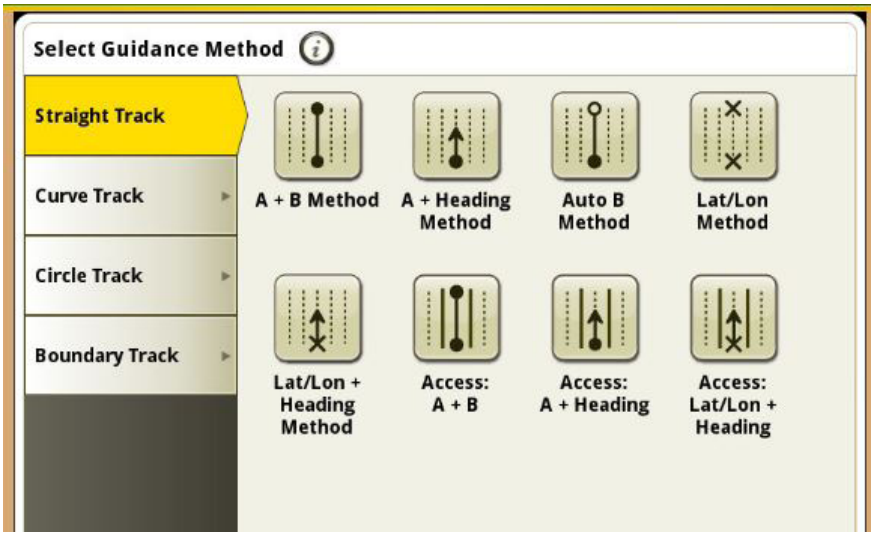
To edit the Map Legend click on the colored Legend and enter desired "Greater Than" and "Less Than" values. Click OK to save.



Gen4 Guidance Setup

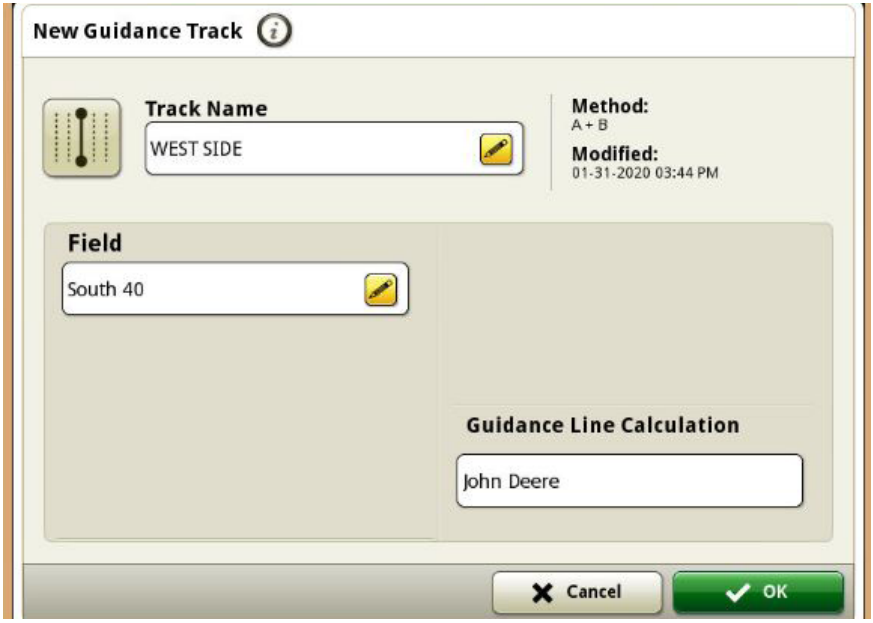
Select the Guidance shortcut key on the shortcut bar. Click Set Track and choose AB line from the guidance track list or select New track. Next choose type of track and creation method.



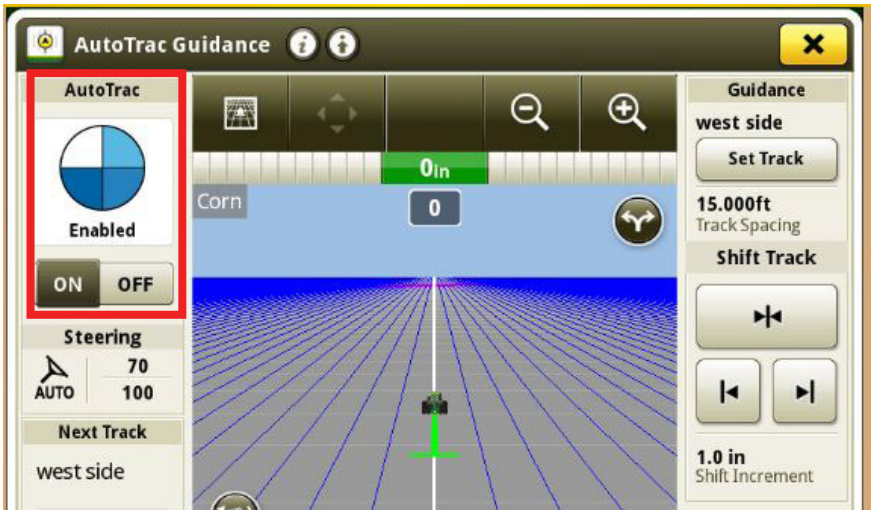


Gen4 Guidance Setup, continued

Give track a unique name and confirm it is in the correct field. Click OK to continue setup. Set A and drive line. Set B.



Turn On Autotrac and hit Resume button.



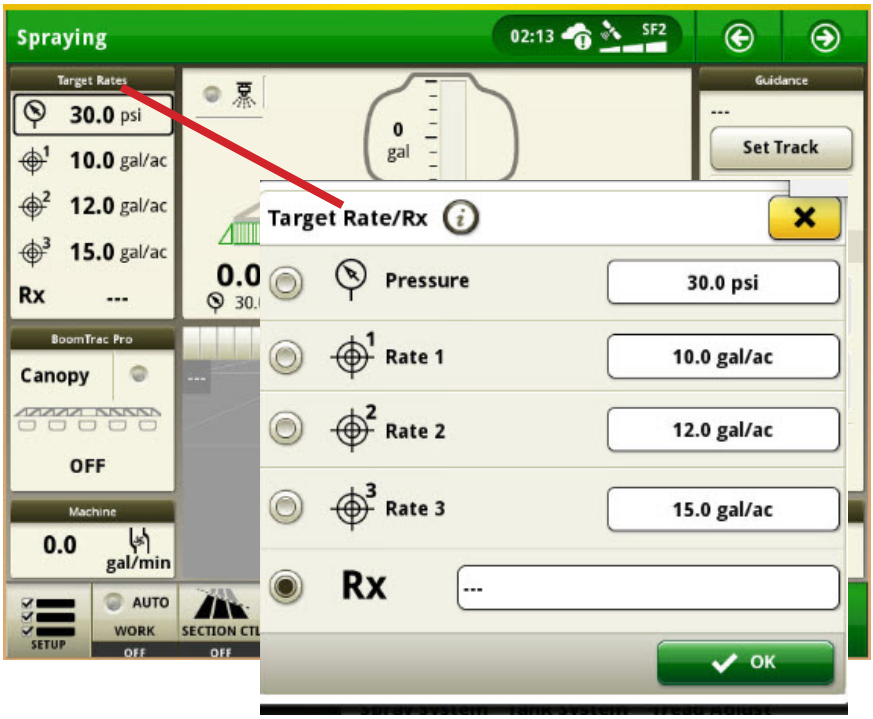
Hydro Handle

Armrest Controls

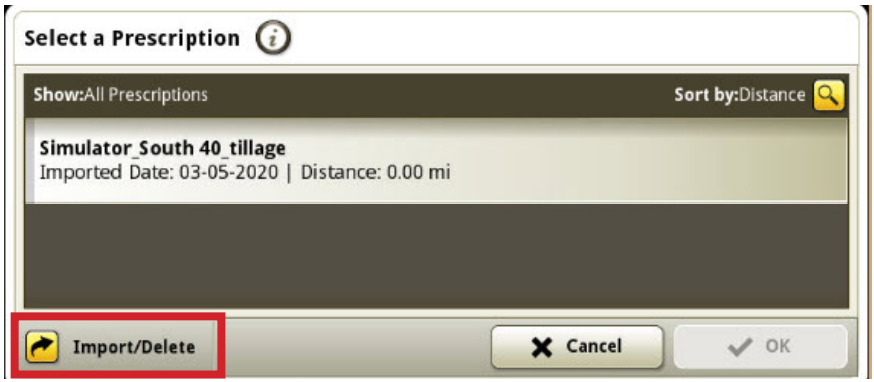
Armrest Controls, continued

Rate Setup

From the “Spraying” page select “Target Rate”. Enter desired manual pressure, rates, or prescription.

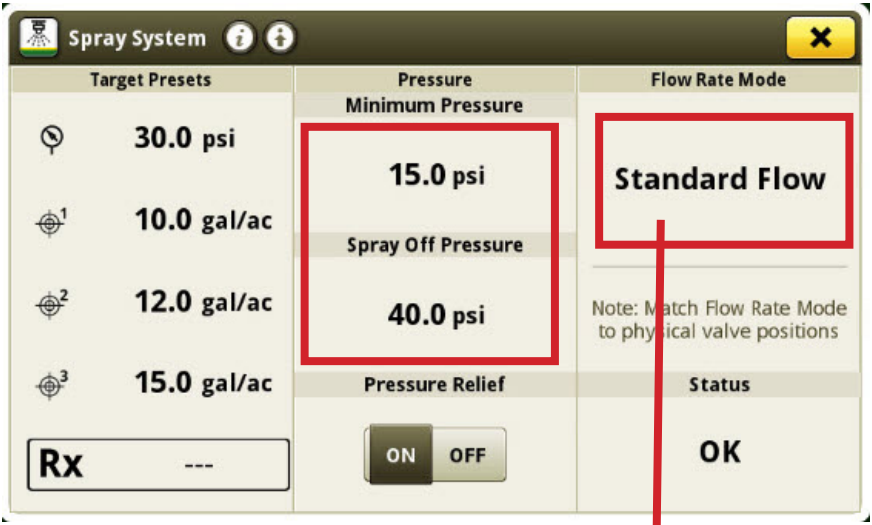


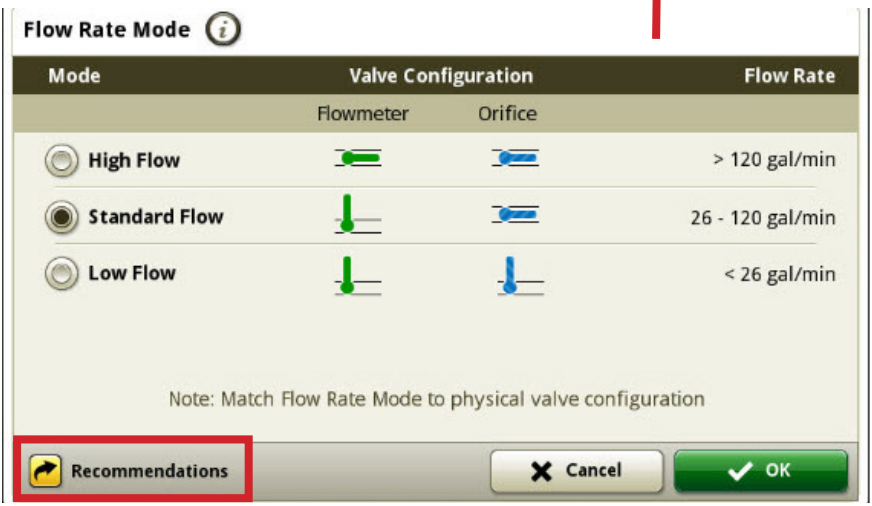
If using RX choose from list. To upload a new RX select “Import/Delete” to go to file manager.



Spray System Setup

Menu → Machine Settings → Spray System to set system pressures and flow rate mode.

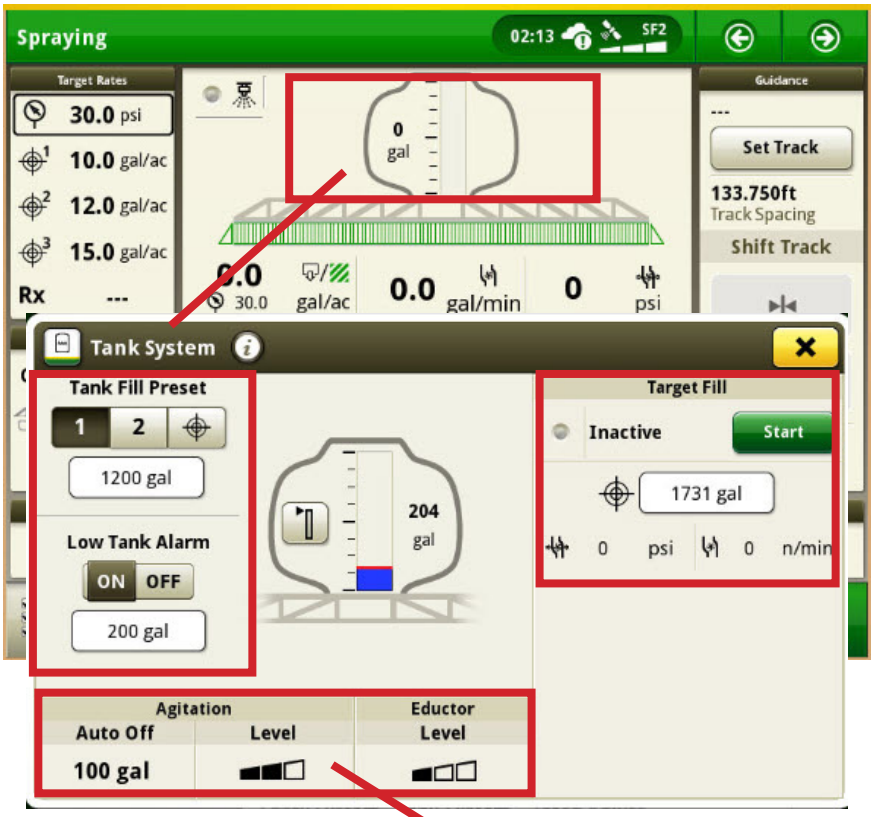


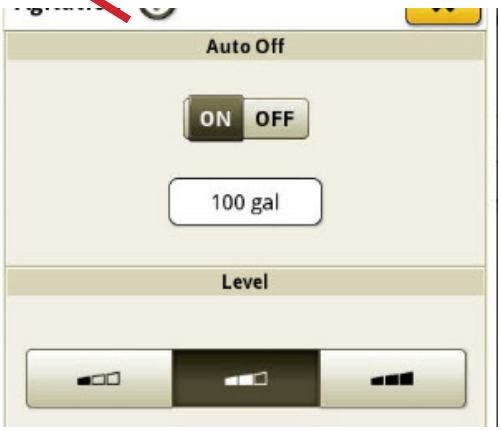


Enter working speed and target rate to view recommendations

Tank System

From the “Spraying” page select the Tank to view “Tank System” settings.

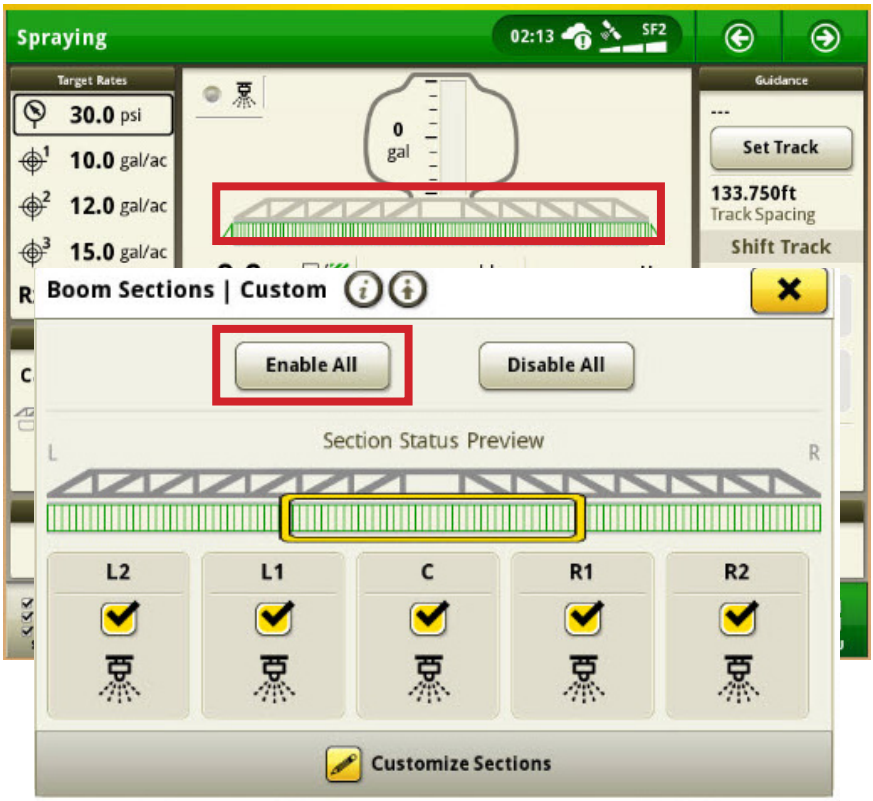




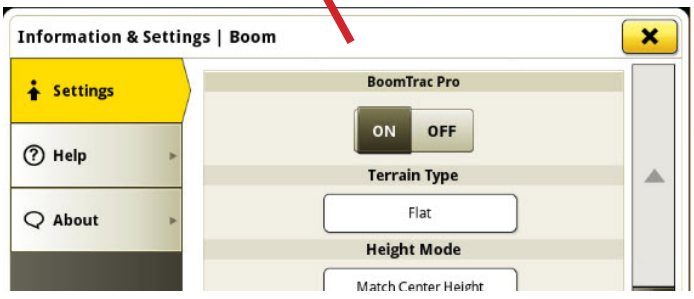
Use Target Fill to load sprayer. Setup Tank Full Level and low tank alarm. Select Agitation to set level and auto off.

Boom Settings

From the “Spraying” page select the Boom to view “Boom Sections” and manually turn on/off sections or Enable All.

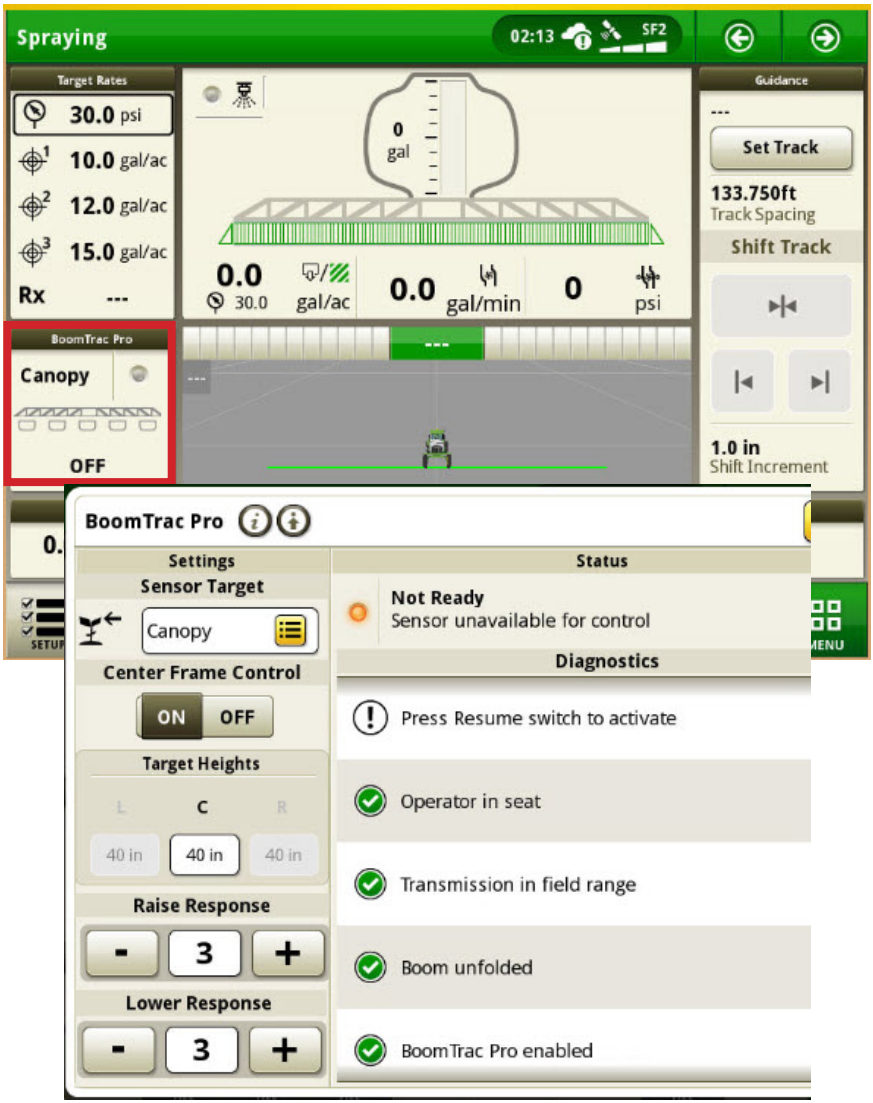


Press Advanced Settings button to enable BoomTrac Pro.



BoomTrac Pro

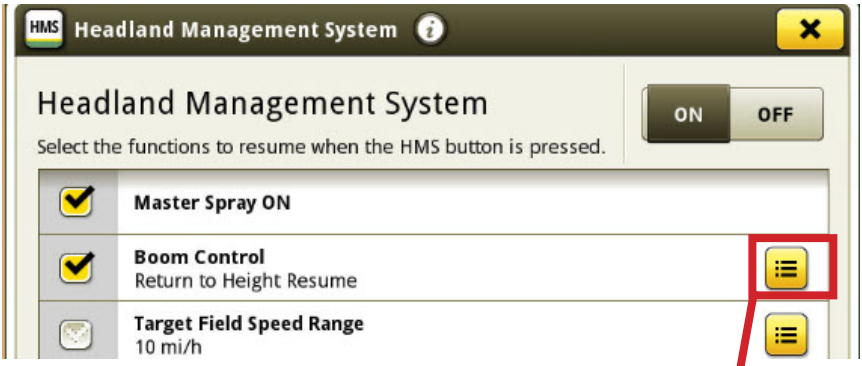
From the “Spraying” page select BoomTrac Pro to setup and troubleshoot.



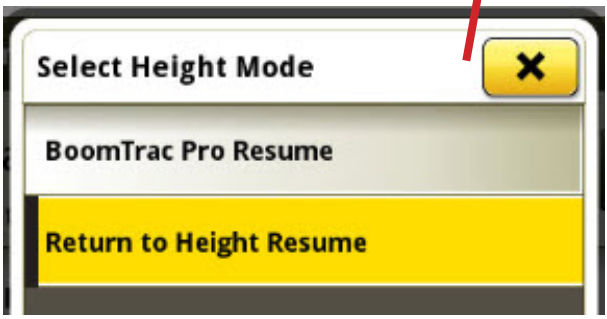
Select Ground or Canopy mode. Setup Center Frame Control, Heights and Raise and Lower Sensitivity settings.

HMS

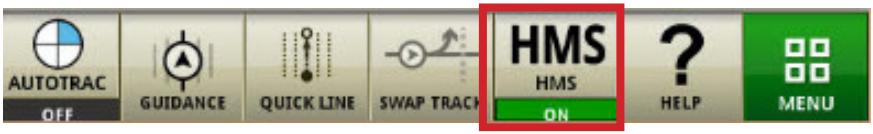
Menu → Machine Settings → Headland Management System to configure HMS button functions on the hydro handle.



Choose Master Spray On, Autotrac Resume, and set Boom control and speed ranges if desired.

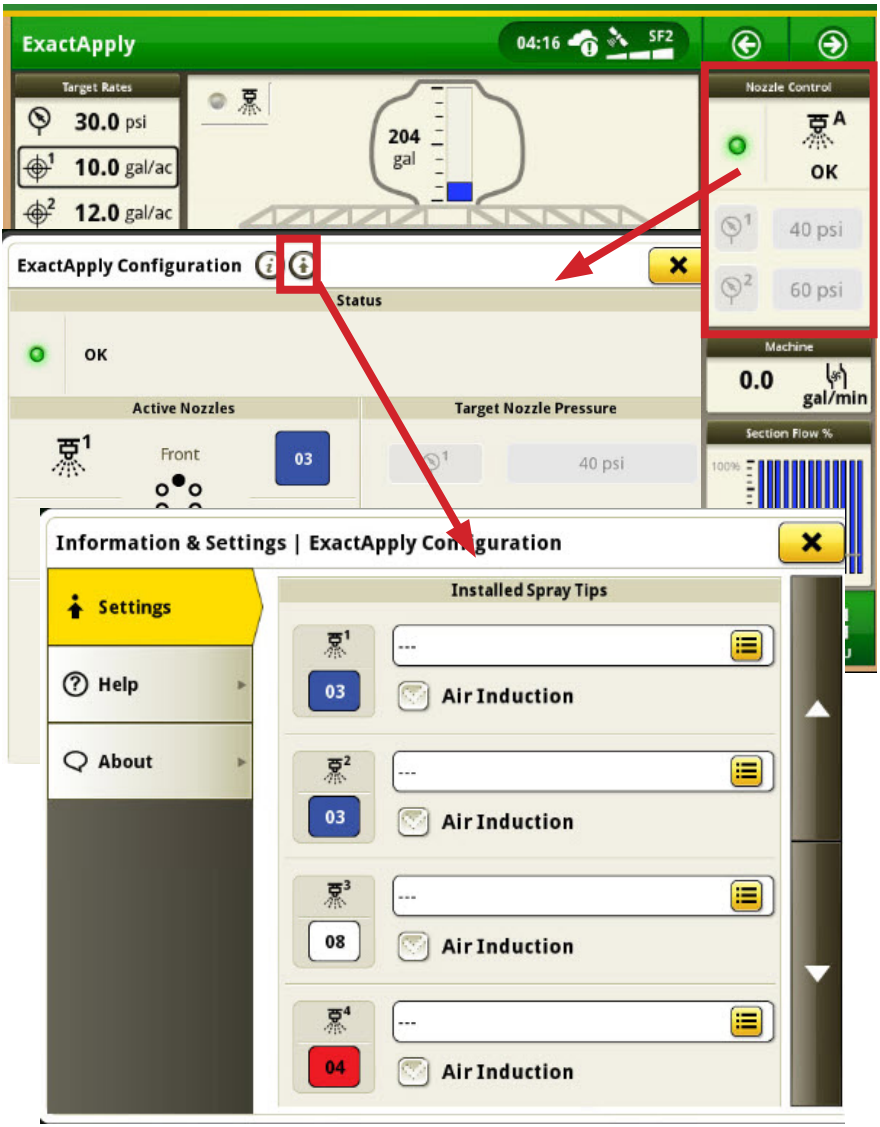


Enable HSM with button on shortcut bar.



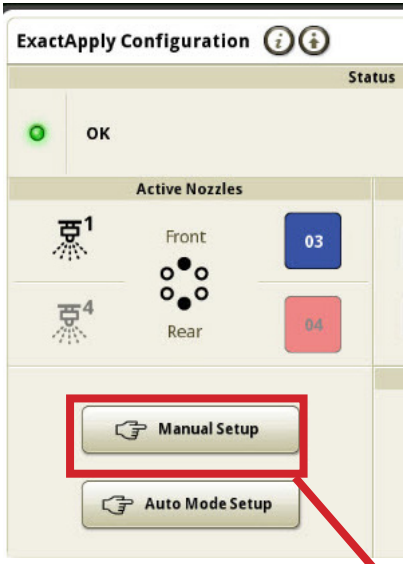
ExactApply

From ExactApply Page select Nozzle Control in righthand corner. Select Advanced Settings to tell system which spray tips are installed in positions 1 through 6.



Pulsing Mode

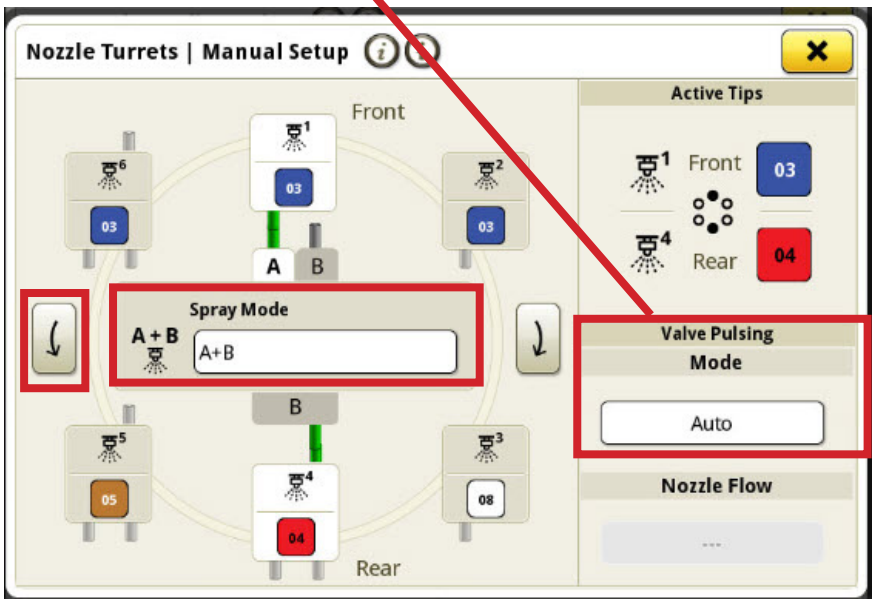
From ExactApply Configuration page choose manual setup to turn on pulsing mode - off/fixed/auto.



Change your active tips by using the arrow button to rotate your nozzle turrets.

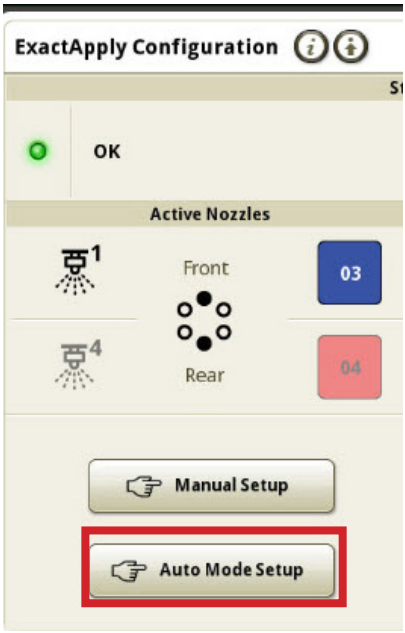
Select Spray Mode: A only, B only, A+B

Note: Automatic nozzle switching is not available while pulsing is on.



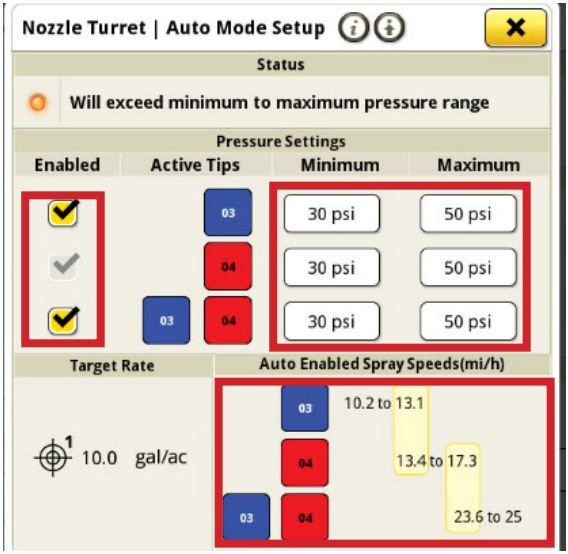
A + B Switching

Automatic Nozzle Switching Mode Setup - the following conditions must be met before Auto Mode is availabe:



1. Valve pulsing set to OFF.
2. Nozzle body turret set with 1,2, or 3 in the front position.
3. Spray tips setup in both front and rear turret positions.
4. Rate based application selected.

Enable your tip and adjust min and max pressures.
(bottom box shows tip used at different speeds)



ExactApply

	Nozzles 4, 5, 6 in the Front Position	
	Combined A + B Pulsing OFF	Combined A + B Automatic Pulsing
Speed Range	Base	Better
Turn Compensation	*Not Applicable*	Good
Boost	*Not Applicable*	Good
Pressure Selection	*Not Applicable*	Target
Coverage	Best	Best
High Application Rates	Best	Better
Manual Nozzle Selection using the Display or CommandArm	No	No
Notes		a

Notes:

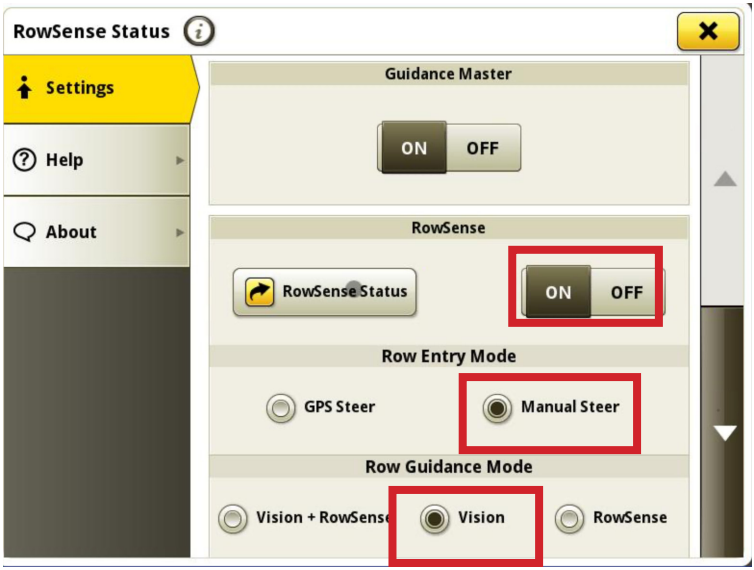
a. One nozzle supplied by two solenoids with alternating pulses
b. One nozzle supplied by one solenoid
c. Supplies two nozzles with one solenoid each with alternating pulses
d. Different spray tip sizes can be used on both turret positions. Spray tips must be 02 or larger

Nozzles 1, 2, or 3 in the Front Position		
A Only or B Only - Automatic Pulsing	**A + B Automatic Pulsing**	**Automatic Pulsing OFF**
Best	Best	Good
Best	Best	*Not Applicable*
Best	Best	*Not Applicable*
Target	Target	Target Range
Good	Best	Best
Good	Best	Best
Yes	Yes	Yes
b	c, d, e	f, g

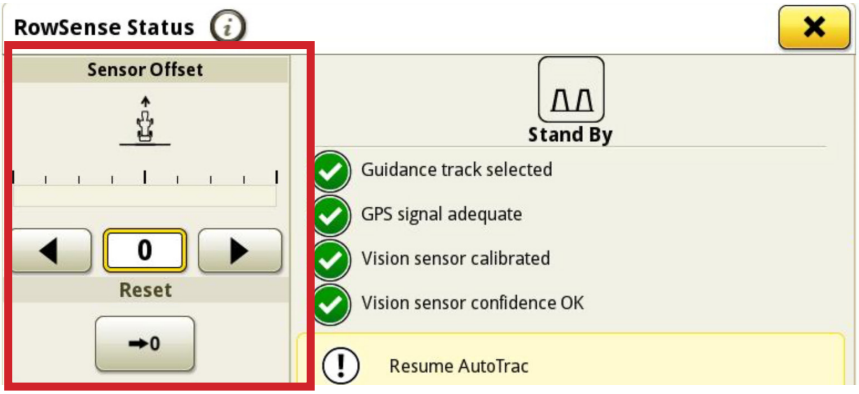
e. Dual fan pattern possible
f. Uses a small and a large spray tip. The large spray tip cannot be more than double the size of the small spray tip
g. Sprays without pulsing, automatically switching between the front, rear, or both nozzles within an operator set pressure range

Autotrac Vision

From Autotrac guidance page choose the advanced settings
Enable RowSense, choose row entry mode, and select sensors. .
Manual steer mode is recommended if not using AB from planter.

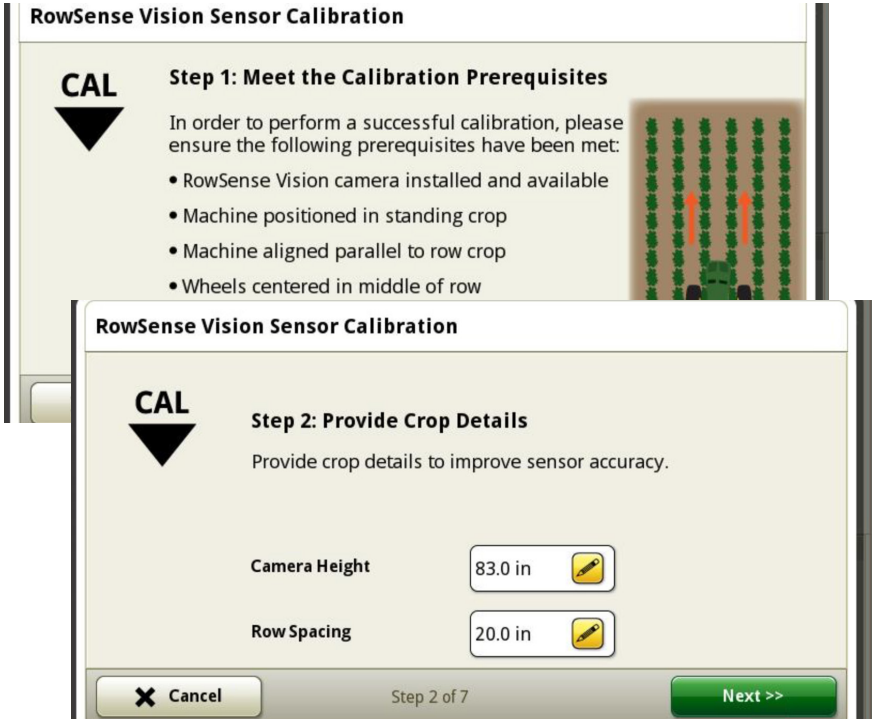


Press Status button to go to RowSense status.
Enter sensor offsets if needed and calibrate camera.
For best results, complete accurate TCM calibration for receiver. Vision camera may require multiple calibrations due to changing conditions.



Autotrac Vision, continued

Press the Calibration button from the Rowsense Status page. Follow on screen prompts be sure to have accurate row spacing.



System Active operating with both RowSensor and GPS.

No GPS signal. Operating with RowSensor data only.

No RowSensor signal. Operating with GPS only.

Need Assistance? Contact us!

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