

READY TO SPRAY GUIDE

Gen4 Monitors





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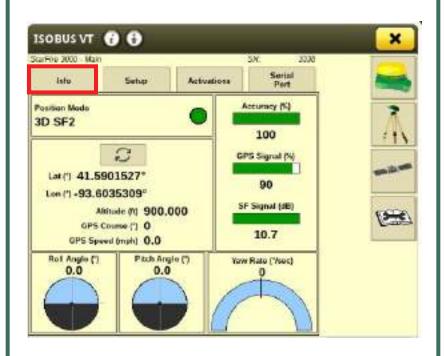
Notes

GPS Receiver Setup

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

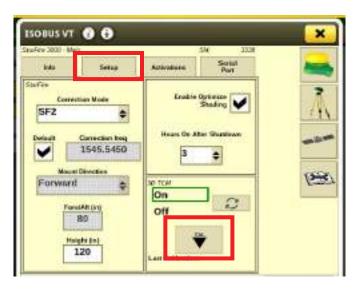


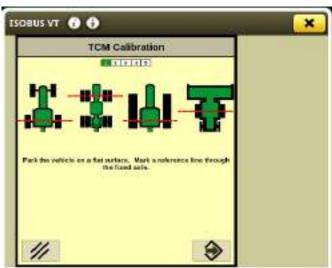
Verify signal is 90% or greater under info tab before starting any fieldwork.



GPS Receiver Setup

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



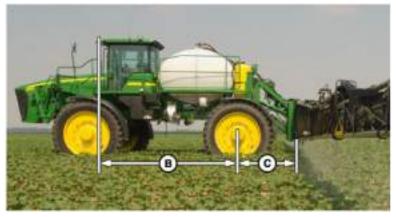


Machine Offsets

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.

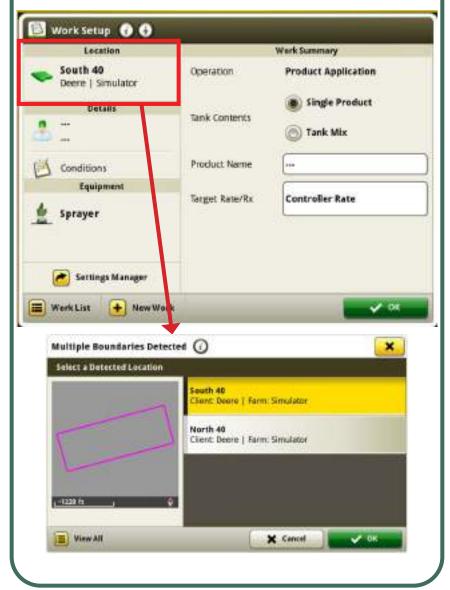


1. Select the Setup button



Work Setup

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



Work Setup

3. Select the Equipment button and select your Machine.



Machine Profile

5. Under Machine Profile select GPS offsets.

Confirm Boom and nozzle setting from sprayer controller are accurate.



6. Enter receiver measurements.

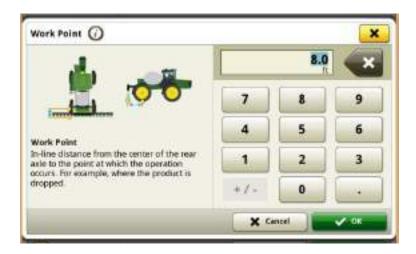


Machine Profile

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.

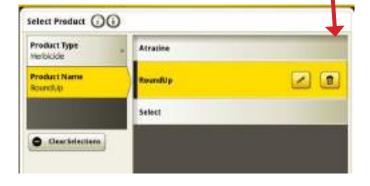


Tank Mix

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.

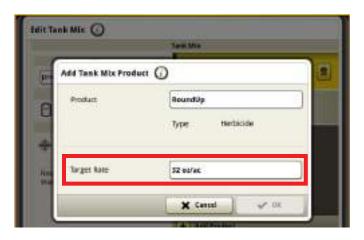


13. Select *Add Product* to select product type and name,



Tank Mix

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



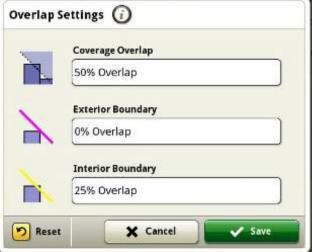
15. Select Add Product to add additional products to complete tank mix.



Section Control

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

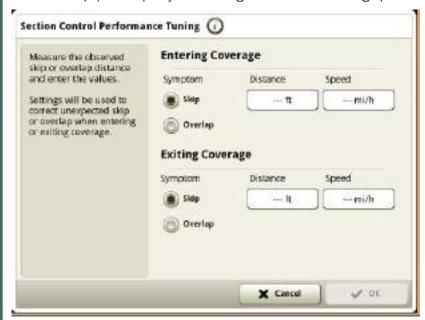




Select Overlap Settings to edit values to the desired percent overlap.

Section Control

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

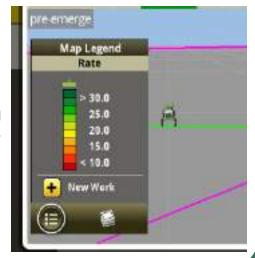
If you'd like to view a rate map instead of a coverage map click *Menu* then *Applications*, Next, select *Mapping* and choose the *Map View* icon.





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.



Guidance Setup

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.





Guidance Setup

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 Boom Index Reset - enable all Boom Index L & R Headland **Management System** HMS Master On/Off **Boomtrac** Resume Left/Right **Autotrac Foamer** Resume Raise/Lower **Center Boom** Boom tilt Left/Right **Programmable Buttons**

Armrest Controls



Armrest Controls



Rate Setup

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



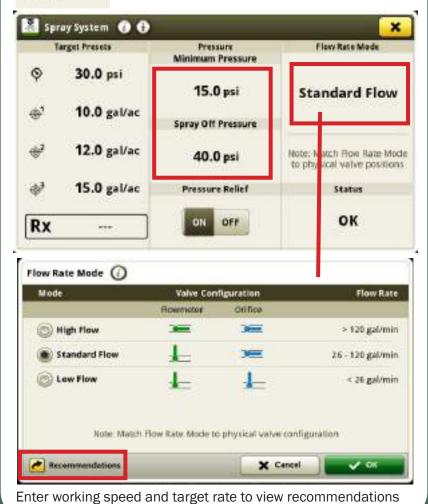
If using RX choose from list. To upload a new RX select "Import/Delete" to go to file manager.



Spray System Setup

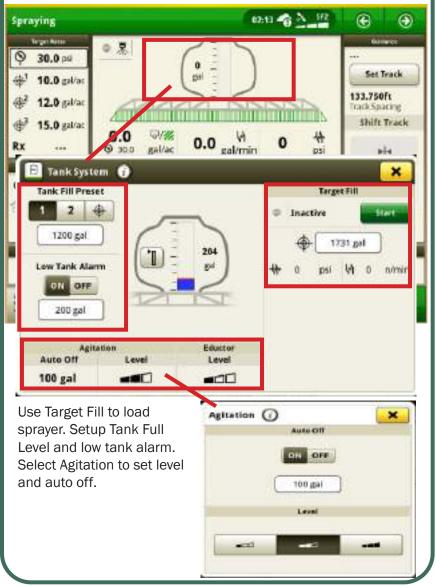


Menu -> Machine Settings -> Spray System to set system pressures and flow rate mode.



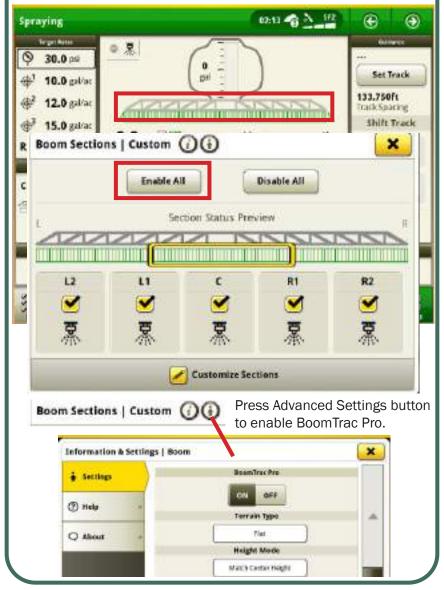


From the "Spraying" page select the Tank to view "Tank System" settings.



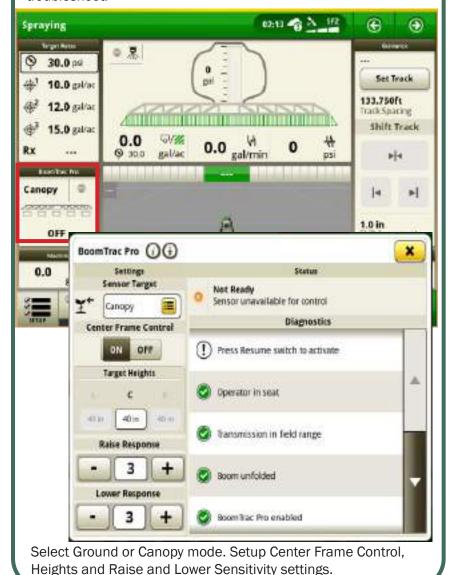
Boom Settings

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



BoomTrac Pro

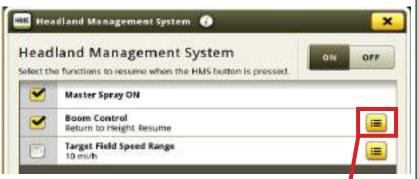
From the "Spraying" page select BoomTrac Pro to setup and troubleshoot.



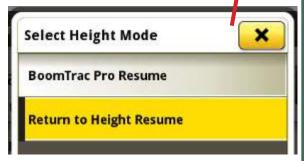
HMS



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.

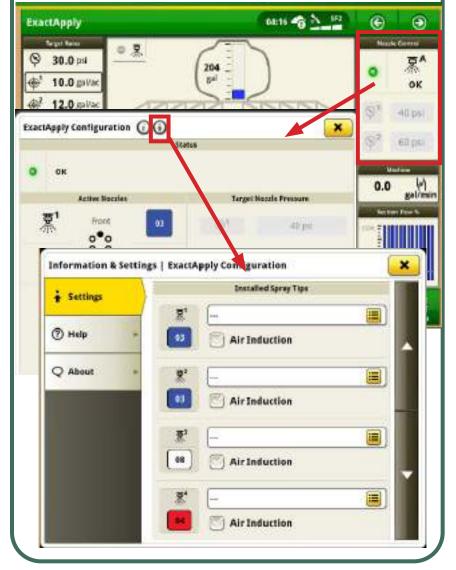


Enable HSM with button on shortcut bar.



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

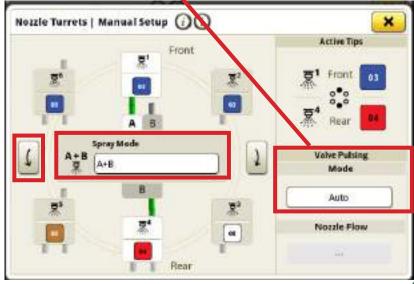
From ExactApply Configuration page choose manual setup to turn on pulsing mode - off/fixed/auto.



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		а

Notes:

- a One nozzle supplied by two solenoids with alternating pulses
- ${\sf b}-{\sf One}$ nozzle supplied by one solenoid
- $\ensuremath{\text{c}}-\ensuremath{\text{Supplies}}$ two nozzles with one solenoid each with alternating pulses.

ExactApply

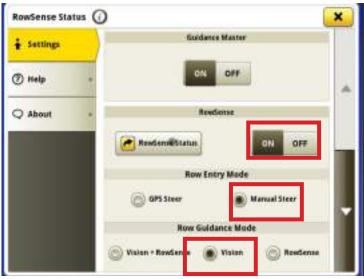
	Nozzles 1 2	or 3 in the F	ront Position
	Nozzles 1, 2, or 3 in the Front Position		
	A Only or	A + B	Automatic
	B Only -	Automatic	Pulsing OFF
	Automatic	Pulsing	
	Pulsing		
Speed Range	Best	Best	Good
Turn	Best	Best	Not
Compensation			applicable
Boost	Best	Best	Not
			applicable
Pressure	Target	Target	Target Range
Selection			
Coverage	Good	Best	Best
High	Good	Best	Best
Application Rates			
Manual Nozzle	Yes	Yes	Yes
Selection			
using the			
Display or			
CommandArm			
Notes	b	c, d, e	f, g

Notes:

- d-Different spray tip sizes can be used on both turret positions. Spray tips must be 02 or larger.
- 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 (1) Enable RowSense, choose row entry mode, and select sensors. . Manual steer mode is recommended if not using AB from planter.





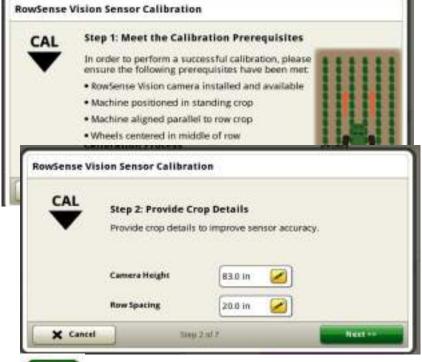
Press Status button to go to RowSense status. Enter sensor offsets if needed and calibrate camera. For best results, complete accurate TCM calibration for receiver. Vision camera may require multiple calibrations due to changing conditions.



Autotrac Vision



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!

Belle Plaine, MN	952-873-2224
Bird Island, MN	320-365-3445
Blue Earth, MN	507-526-2714
Brookings, SD	605-693-3514
Garretson, SD	605-594-3476
Hollandale, MN	507-889-4221
Huron, SD	605-352-8519
Madison, SD	605-256-4575
Mankato, MN	507-387-8201
Marshall, MN	507-537-1523
Milbank, SD	605-432-5523
Minnesota Lake, MN	507-462-3828
Montevideo, MN	320-269-6466
Northwood, IA	641-324-1154
Osage, IA	641-732-3719
Owatonna, MN	507-451-4054
Redwood Falls, MN	507-644-3571
Sleepy Eye, MN	507-794-5381
Tyler, MN	507-247-5572
Wabasso, MN	507-342-5171
Watertown, SD	605-886-3545
Wheaton, MN	320-563-8112