

Your Farm. Your Future. Our Focus.

# READY TO SPRAY GUIDE

2630 Monitors





Updated 03/06/2024



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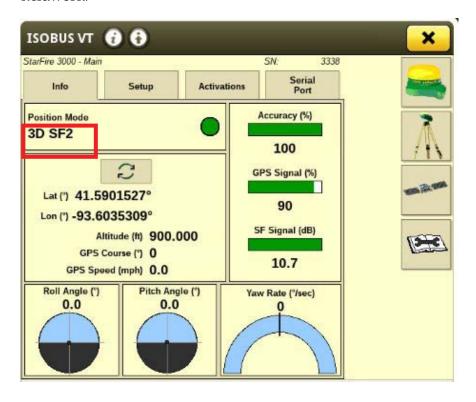
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### **GPS** Receiver Setup

Select Starfire Receiver from main menu.

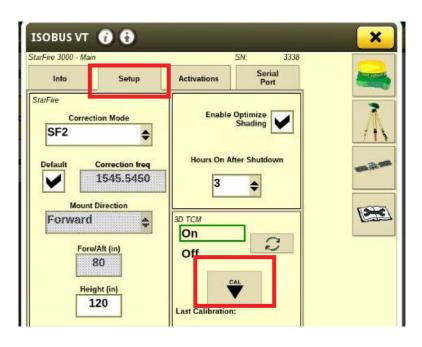


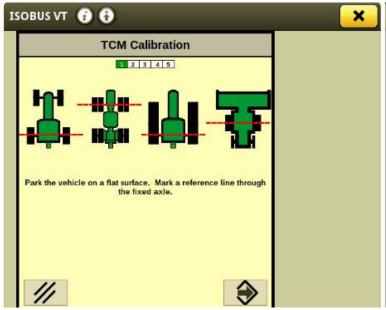
Verify signal is 90% or greater under info tab before starting any fieldwork



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

# GPS Receiver Setup, continued

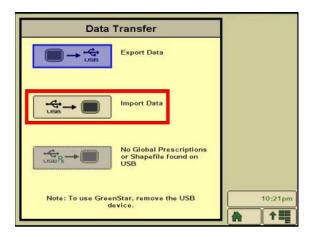




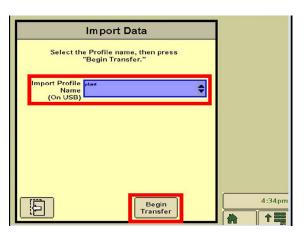
### **Importing Data**

#### Data Import using a USB Drive

- Insert USB drive, loaded with your data, into the GS3 2630.
  Data transfer screen will appear. Select the Import Data button.
- 2. Select the correct Import Profile Name then the Begin Transfer button.



3. Remove the USB drive after the transfer is complete.



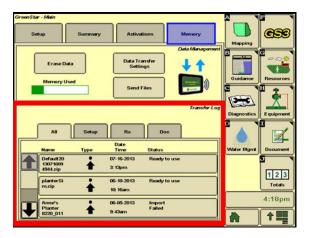
#### Note:

Profile name would have been created during the creation of the setup file.

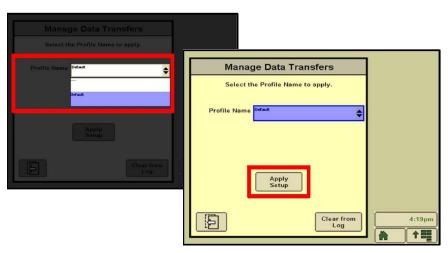
### Importing Data, continued

#### Data Import using Wireless Data Transfer

1. Select Menu → GS3 - GS3 → Memory tab. A list of available files in the Transfer Log at the bottom of the page should be visible. Select the file to load onto the display.

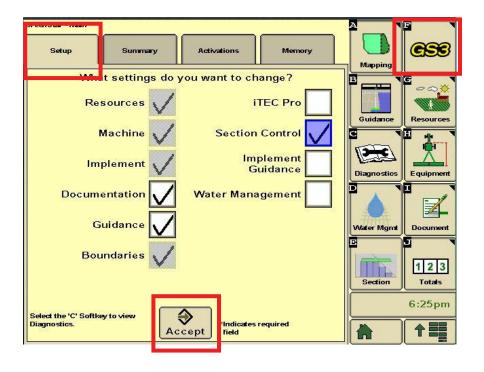


2. Confirm the name of the file from the drop-down box and select Apply Setup.



### **Display Setup**

- 1. Select the Menu button then select the GS3 button.
- 2. On the Setup tab, ensure there is a check mark next to Documentation, Guidance, and Section Control. Next select Accept.



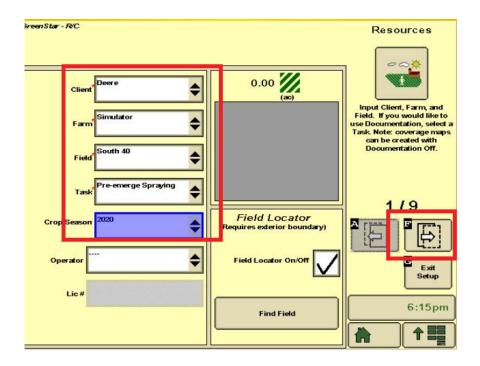
### Resources Setup

3. If field boundaries have been loaded, select Find Field. If not, manually select the needed Client, Farm and Field.

Note:

Be sure to also select the appropriate Task and Crop Season (i.e. crop year).

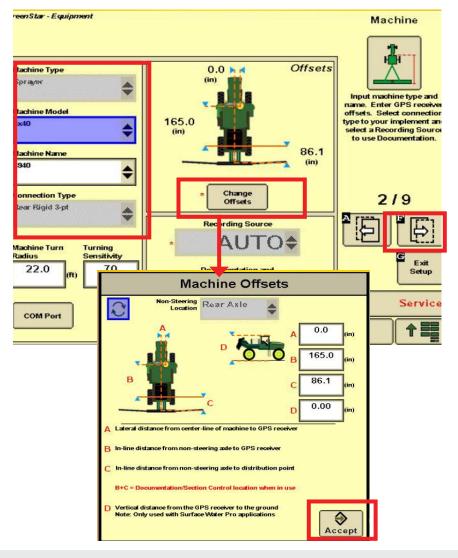
Select the Next button.



### **Machine Setup**

4. Select Machine Name. Check that Recording Source is grayed out to Auto. Make sure the offsets loaded are accurately listed on the screen. If not, correct any errors by selecting Change Offsets.

Select the Next button to continue.

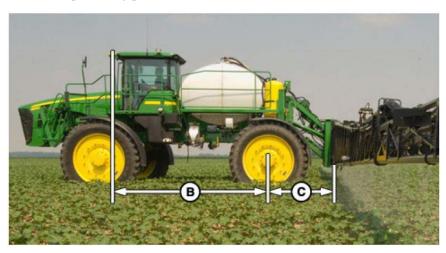


### Machine Offsets

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)

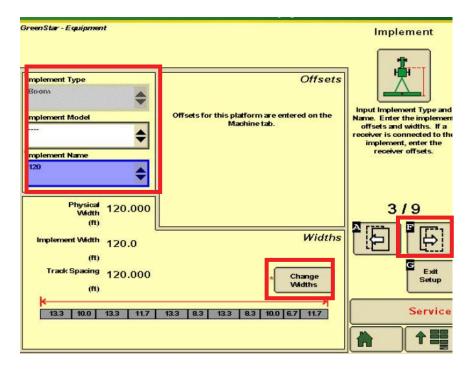


Implement Width: Width of spray area, may extend outside of spray booms.

### **Implement Setup**

Select Implement Name. Offsets are entered under the sprayer tab. Enter boom width into track spacing and physical width.

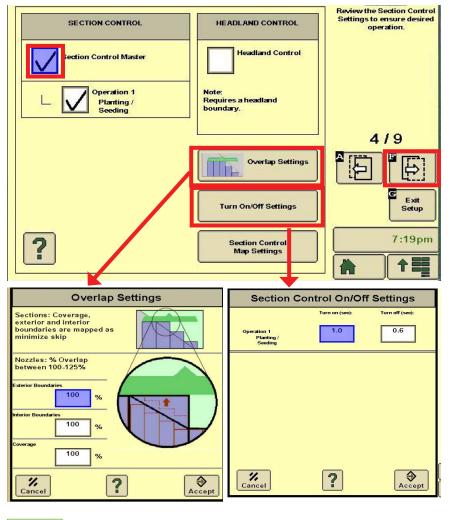
Press Next.



### Section Control Setup

Section Control setup. Check mark Section Control Master to enable. Verify Overlap Settings and Turn On/Off Settings are accurate.

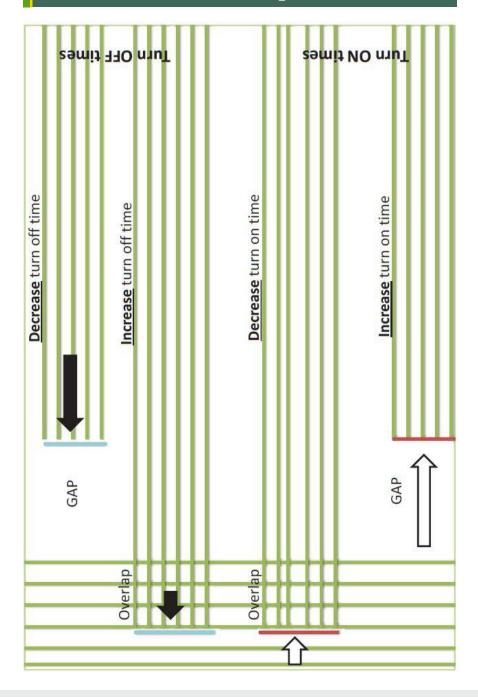
Select the Next button.



Note:

Default settings - On time = 1.0 sec, Off time = 0.6 sec. See chart on next page to fine tune.

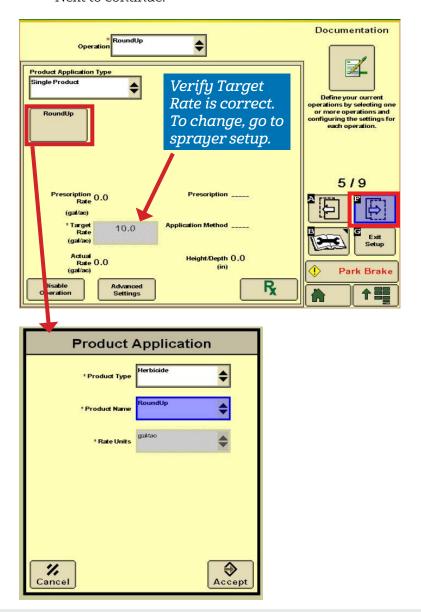
# Section Control Setup, continued



### **Documentation Setup**

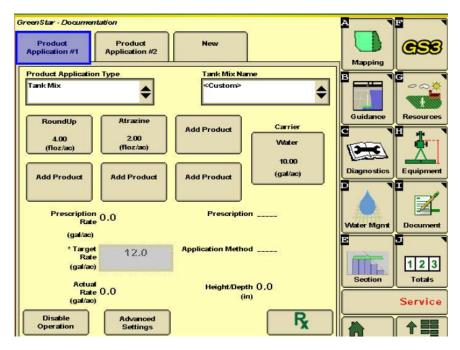
7. Select Product Application Type (Single or Tank Mix) and click Add Product. Enter product info and click accept.

Next to continue.

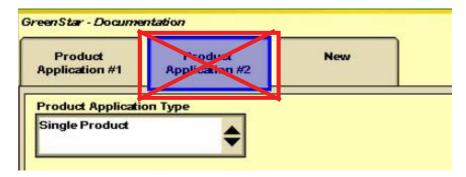


### Documentation Setup, continued

To create a tank mix enter your carrier type and base solution rate. Select Add Product to add each product type, name, and rate.



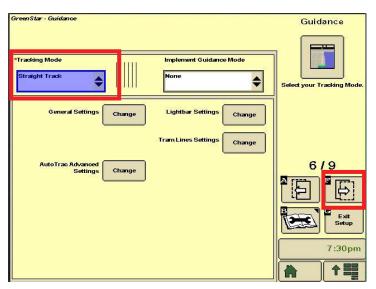
**CAUTION:** Documentation will not work with two product application tabs. Do not add any additional tabs for any sprayer except for sprayers with direct injection.



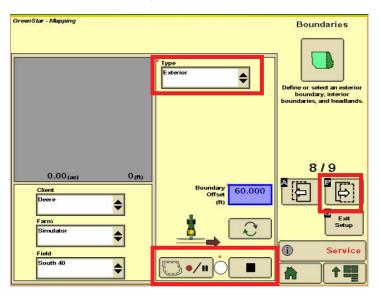
To delete unwanted tabs click into the tab and select remove in the bottom lefthand corner.

# **Boundary Setup**

8. Select Tracking Mode and then Next to continue.

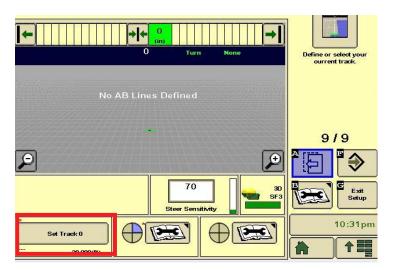


- 9. Turn on Small Shifts and then Next to continue.
- 10. Create boundary or click Next to continue.

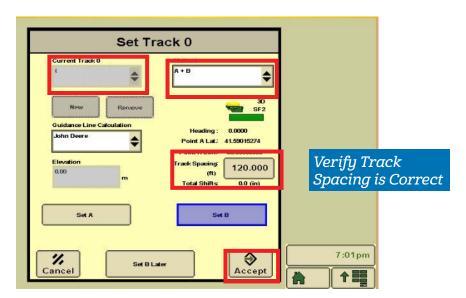


# **Guidance Setup**

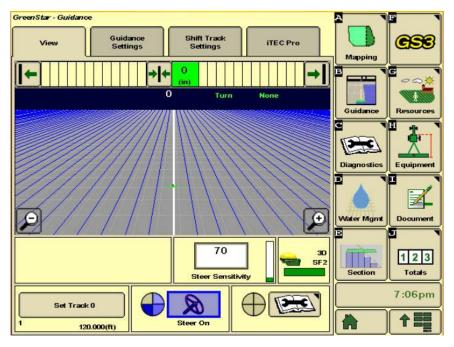
11. Click Set Track O.



12. Choose New → Create Name → Choose Method (A+B, A+-Heading, etc.) → Set A → Set B or enter heading → Accept to create Track



### Guidance Setup, continued





Once track is complete, enable autotrac by pressing the steer on button (3 pieces of the pie).

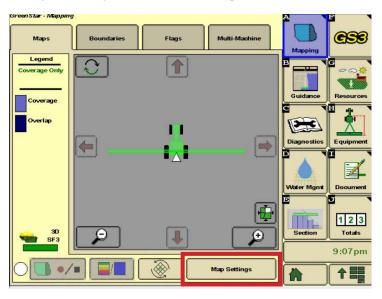
Press resume switch on side of hydro handle to autotrac.

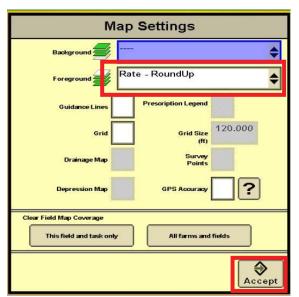
- 1 = boomtrac resume
- 2 = autotrac resume

# **Mapping Setup**

#### Changing coverage map to a Rate Map

Select GS3 then Mapping. Click Map Settings and for Foreground layer choose Rate Map.





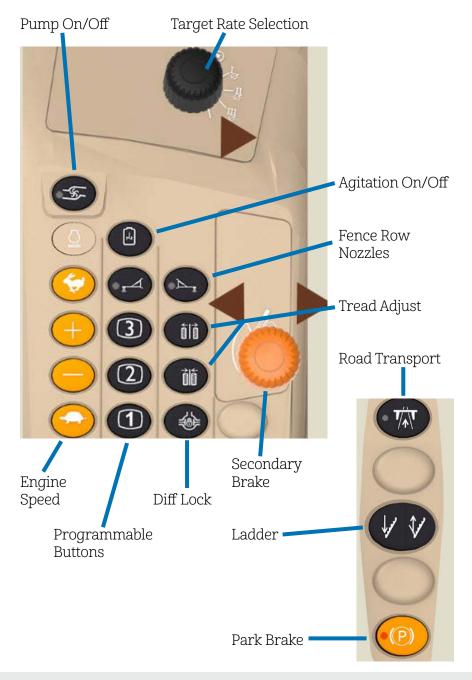
#### Note:

A RX can be loaded to the background.

# Hydro Handle



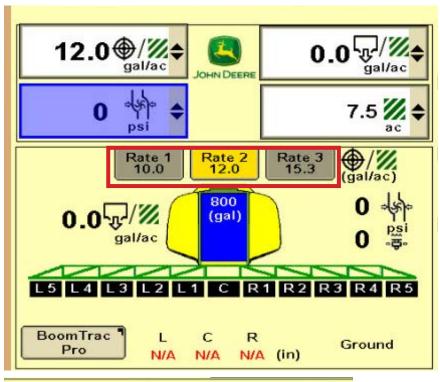
### **Armrest Controls**



### Rate Setup

Use the Target Rate Selection dial to choose manual spray mode or target rate 1, 2, or 3. The aux position is for prescriptions.

From sprayer run page choose rate box to edit target rates.

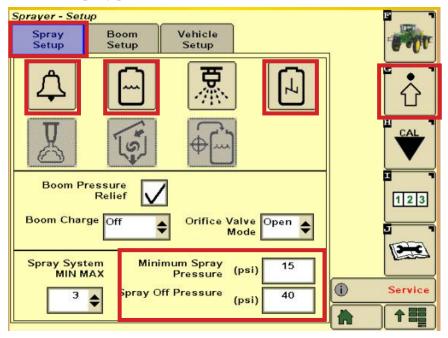


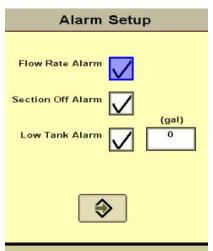


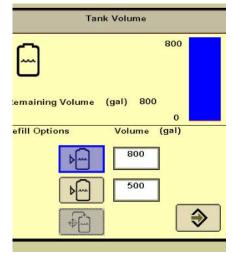
### Spray System Setup

From Sprayer Menu choose Setup Button.

Select spray setup tab to configure alarms, tank fill, agitation, and minimum spray pressure.

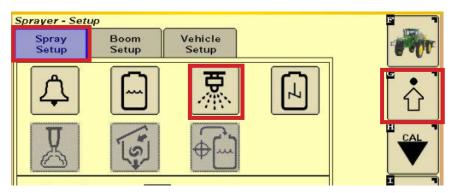


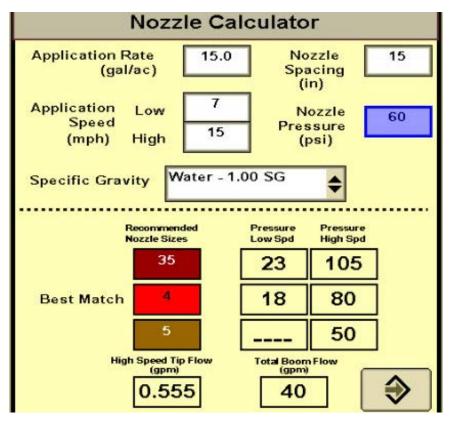




# Spray System Setup, continued

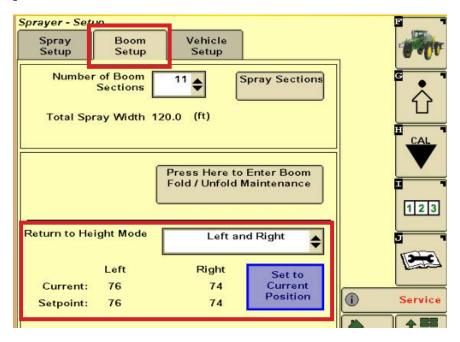
From the Spray Setup tab use the Nozzle Calculator to determine best nozzle match for desired rate, speed, and pressure.



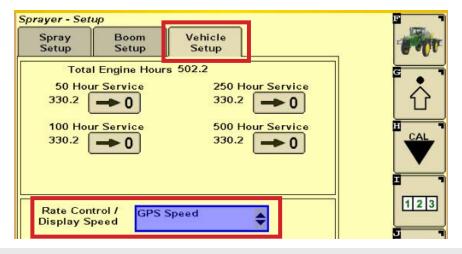


### Spray System Setup, continued

From the Boom Setup tab setup Return to Height modes and set position.

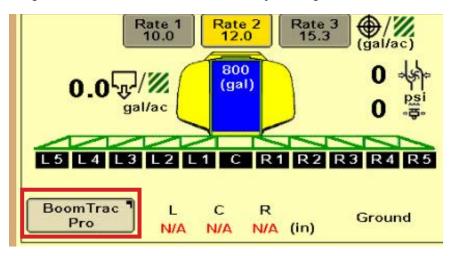


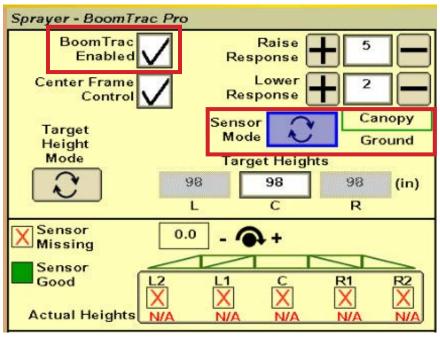
From the Vehicle Setup tab setup select speed source. GPS or radar will be most accurate.



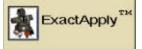
### BoomTrac Pro

From Sprayer Run Page select BoomTrac Pro to enable system and select Ground or Canopy mode. Setup Center Frame Control, Heights and Raise and Lower Sensitivity settings.

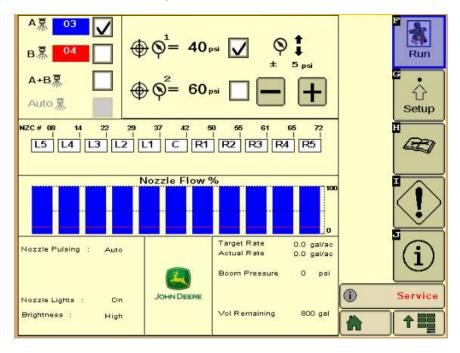




### ExactApply

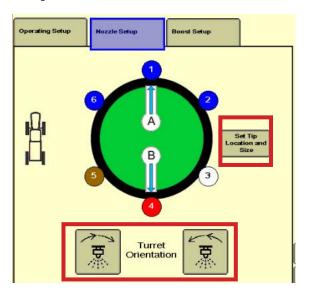


From main menu select Exact Apply. Run Page will show current settings and nozzle percent flow.



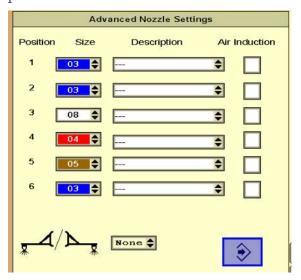
### Nozzle Setup

Choose Setup button on right hand menu and go to Nozzle Setup Tab.



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

Select "Set Tip Location and Size" to identify Nozzles in positions 1 - 6.

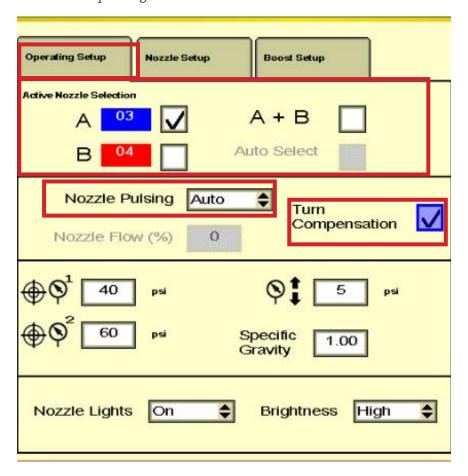


# **Pulsing Mode**

Go to Operating Setup tab. Select Nozzle pulsing - off/fixed/auto. Enable turn compensation.

Select Active Nozzle: A only, B only, A+B

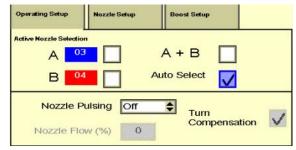
**Note:** Automatic nozzle switching not available while pulsing is on.



### A + B Switching

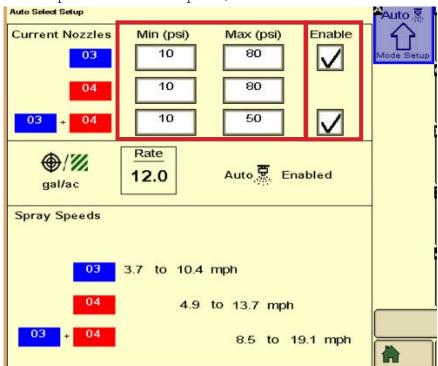
**Automatic Nozzle Switching Mode Setup** - the following conditions must be met before Auto Mode is availabe:

 Valve pulsing set to OFF. (Operating Setup Tab)



- 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:

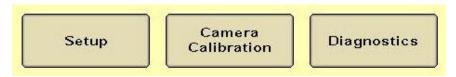
- a. One nozzle supplied by two solenoids with alternating pulses
- b. One nozzle supplied by one solenoid
- c. Supplies two nozzles with one solenoid each with alternating pulses
- d. Different spray tip sizes can be used on both turret positions. Spray tips must be 02 or larger

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	Better		
Yes	Yes	Yes		
b	c, d, e	f, g		

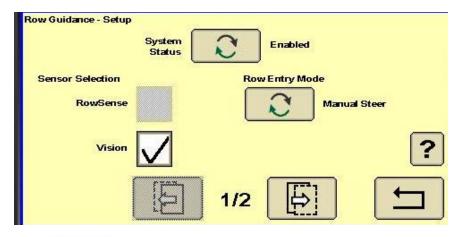
- e. Dual fan pattern possible
- f. Uses a small and a large spray tip. The large spray tip cannot be more than double the size of the small spray tip
- g. Sprays without pulsing, automatically switching between the front, rear, or both nozzles within an operator set pressure range

### **Autotrac Vision**

Choose Layout Manager from main menu. Select split screen configuration. For top of screen select rowsense, bottom select video input.



Choose RowSense setup button to enable system. Change sensor selection and select row entry mode.





System Active operating with both RowSensor and GPS.



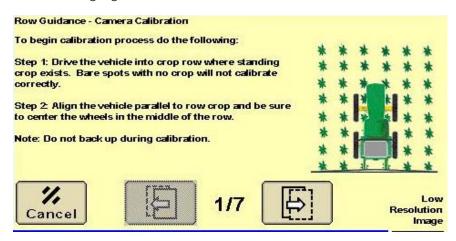
No GPS signal. Operating with RowSensor data only.



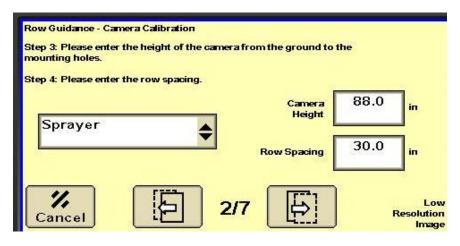
No RowSensor signal. Operating with GPS only.

### Autotrac Vision, continued

For best results, complete accurate TCM calibration for receiver. Use manual steer for row entry mode if not using original AB line from planting. Vision camera may require multiple calibrations due to changing conditions. Select Camera Calibration to start cal.



Be sure to enter correct row spacing. Continue cal process by lining up indicators on crop row and driving down rows until cal is complete.



### 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

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