KIBBLE EQUIPMENT

Your Farm. Your Future. Our Focus.

READY TO PLANT GUIDE

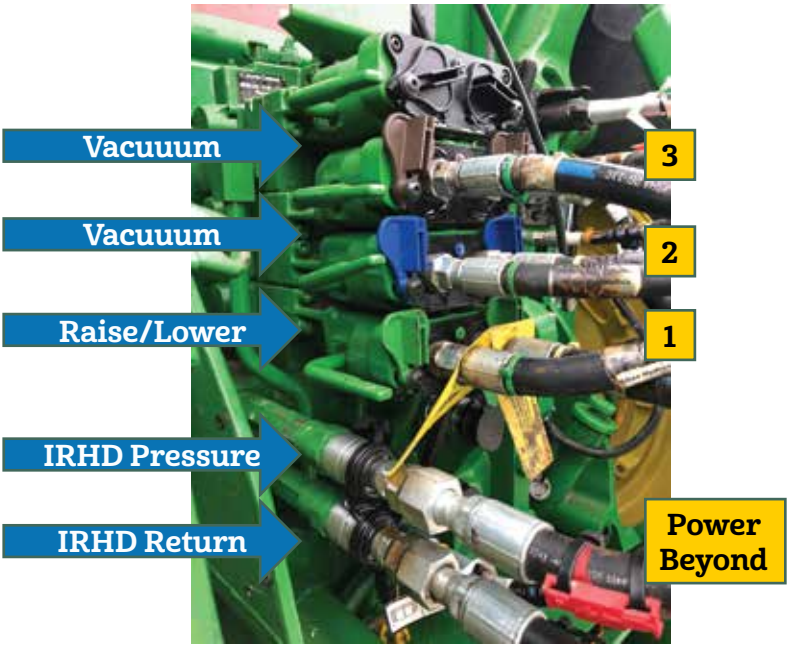
2630 & Gen4 Monitors

Seedstar 3 HP

JOHN DEERE

Contents

Hydraulic Hook Up



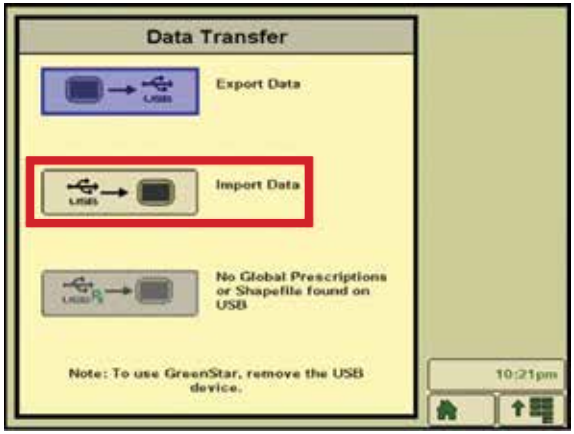
Hydraulic Hook Up					
Hose ID	**SCV**	**Pressure**	**Return**	**Flow**	**Detent**
Frame/CCS	I	Extend	Retract	10 max	Constant 'C'
Vacuum	II	Retract	Extend	4-7	Constant 'C'
Vacuum	III	Retract	Extend	4-7	Constant 'C'
IRHD Pressure	P	Pressure			
IRHD Return	R		Return		

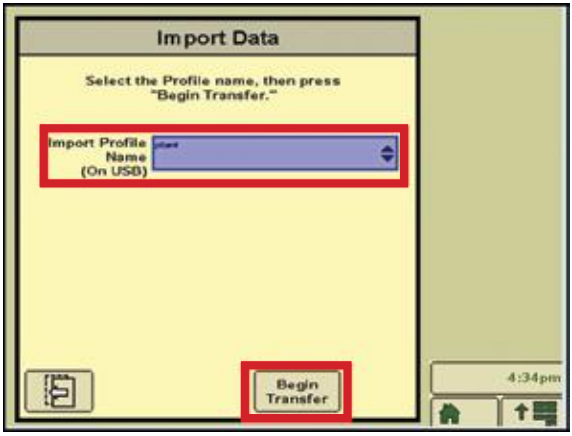
- Case drain should be connected prior to any other hose
- IRHD can be plumbed to power beyond pressure and return if no SCV available
- Vacuum return hoses must be connected to tractor EXTEND port
- Avoid Pressure spikes by putting SCV's into FLOAT position
- Not pictured: Markers, if equipped use II SCV and move up vacuum hoses

2630 Importing Data

Data Import using a USB Drive

1. 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.





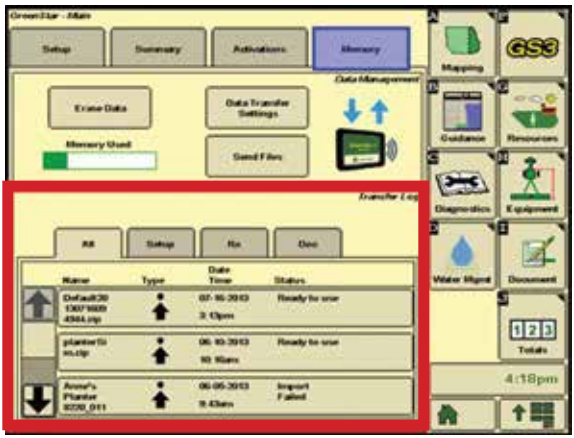
3. Remove the USB drive after the transfer is complete.

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

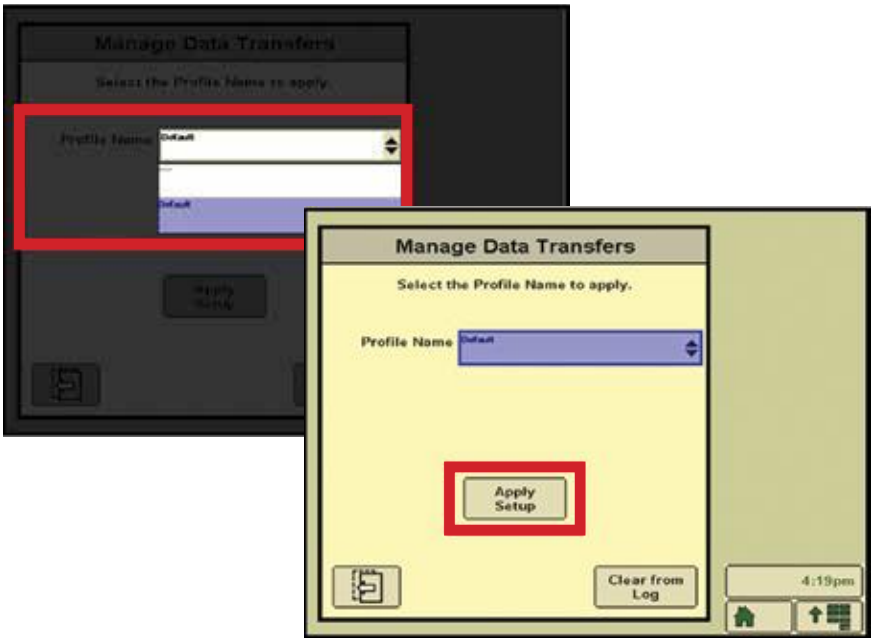
2630 Importing Data, continued

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.

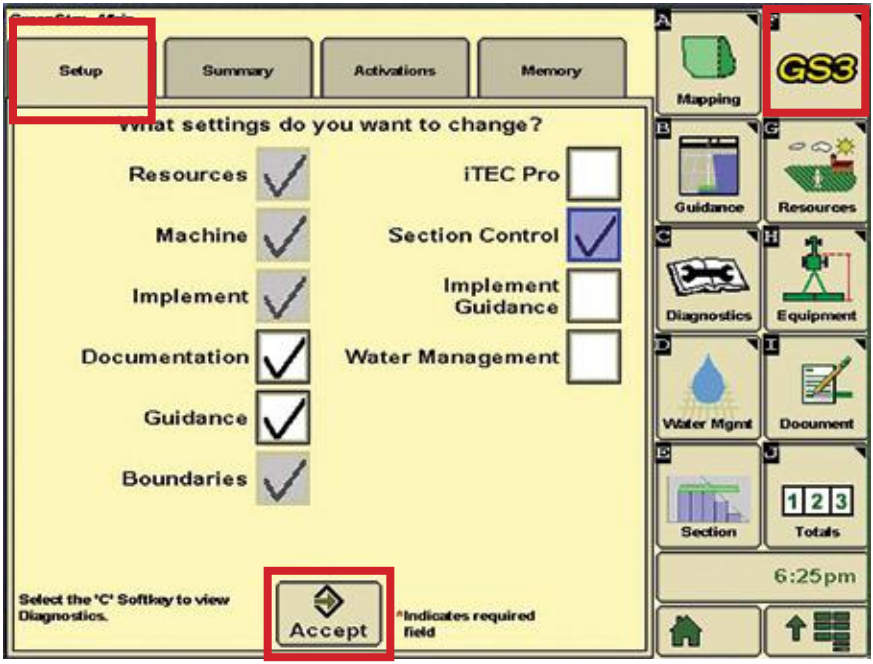


2630 Display Setup

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.

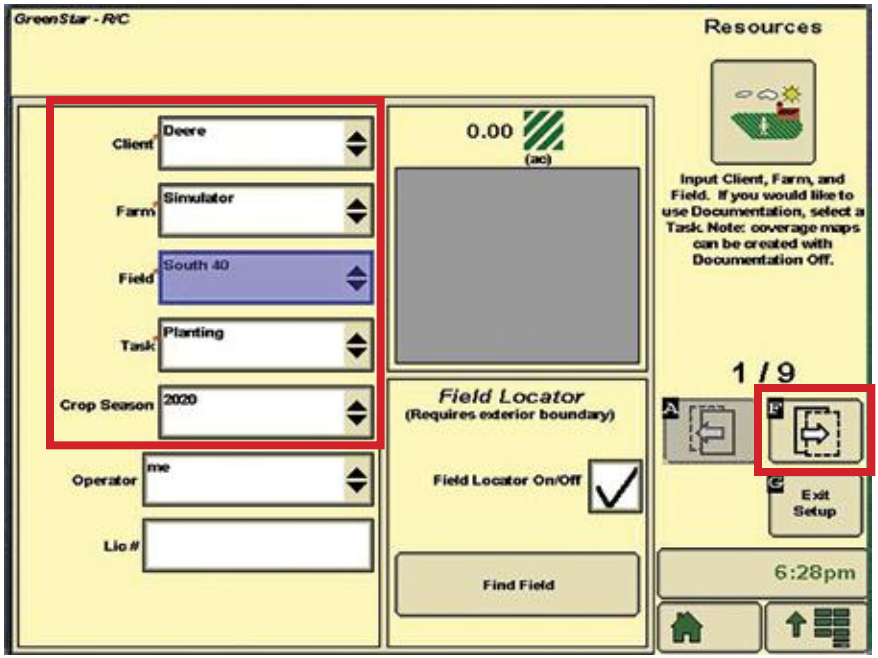


2630 Resources Setup

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).

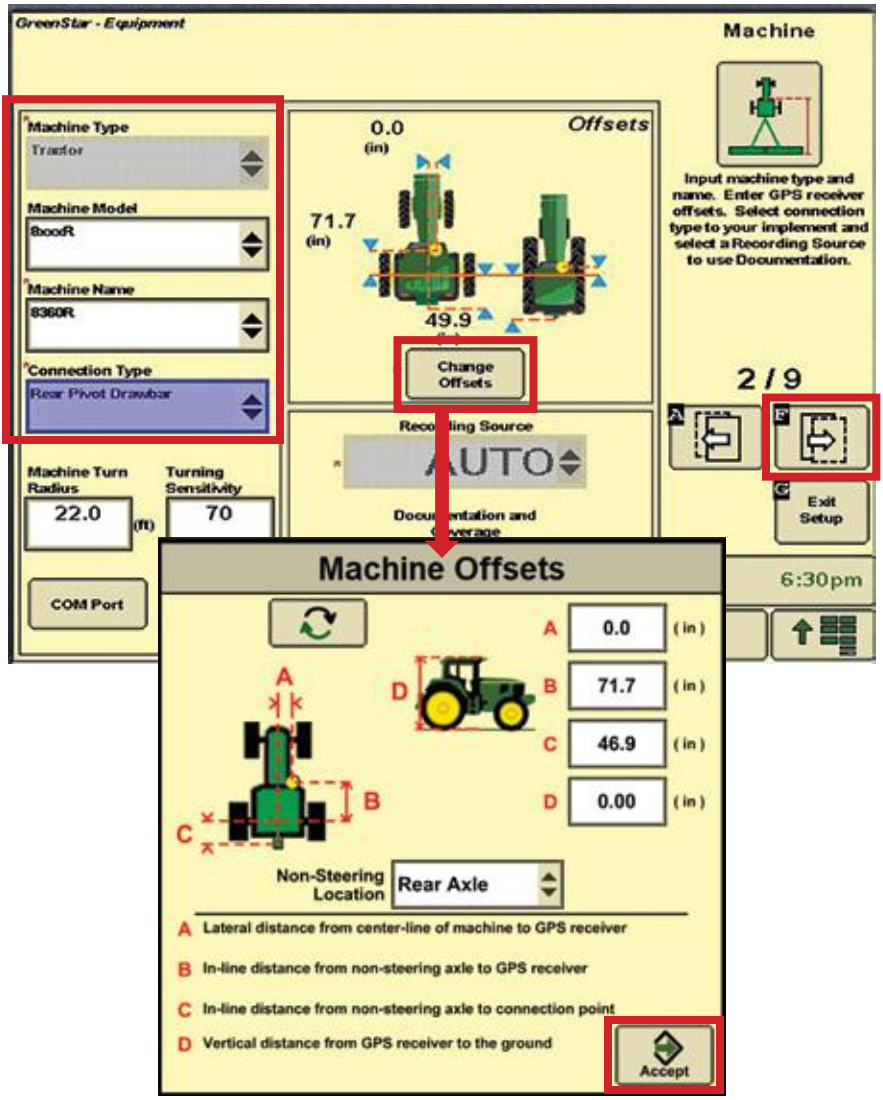
Select the Next button.



2630 Machine Setup

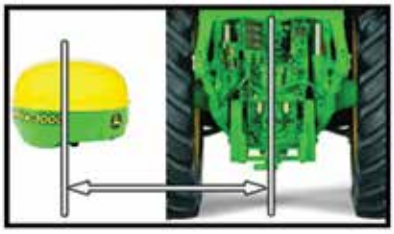
3. Select Machine Name. Check that Recording Source is grayed out to Auto. Make sure the offsets loaded are accurately listed on the screen. If not, correct any errors by selecting Change Offsets.

Select the Next button to continue.



Machine Offsets

A or 1) Center of GPS Receiver to Center line of Machine

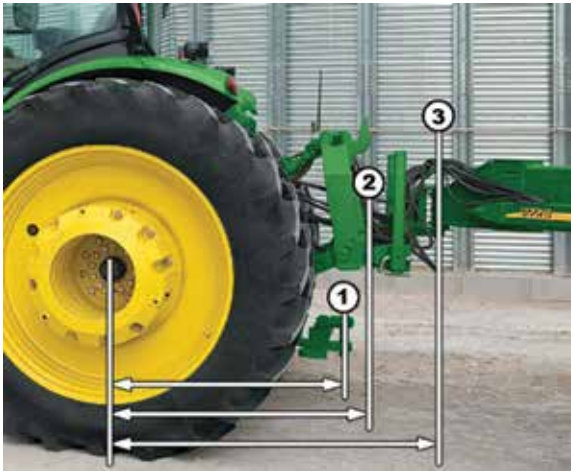


B or 2) Center of GPS Receiver to Center line of Non-Steering Axle

Machine Offsets, continued

C or 3) Center of Non-steering axle to Center line of machine connection point

1) Rear Pivot Drawbar
2) Rear Rigid 3-point
3) Rear Pivot 2-point

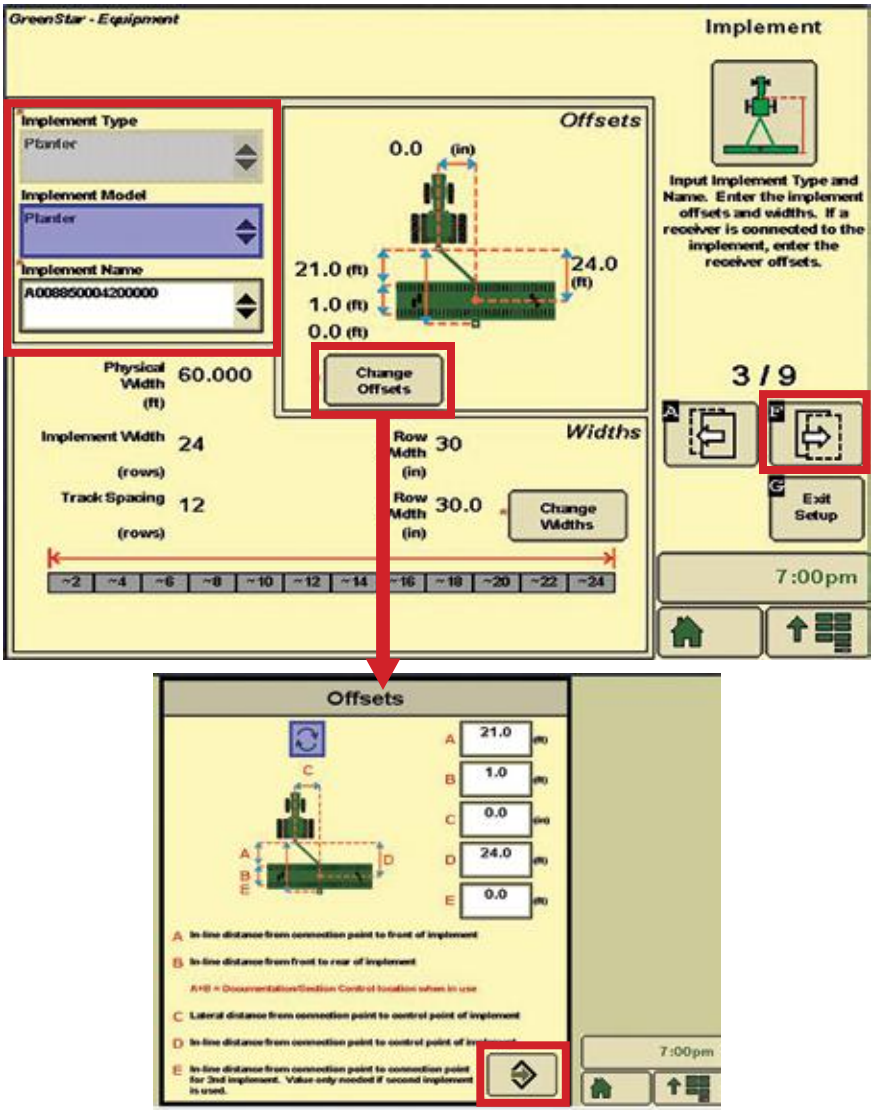


D or 4) Center of GPS Receiver to Ground

Non steering axle = front on 4 wheel drive

2630 Planter Setup

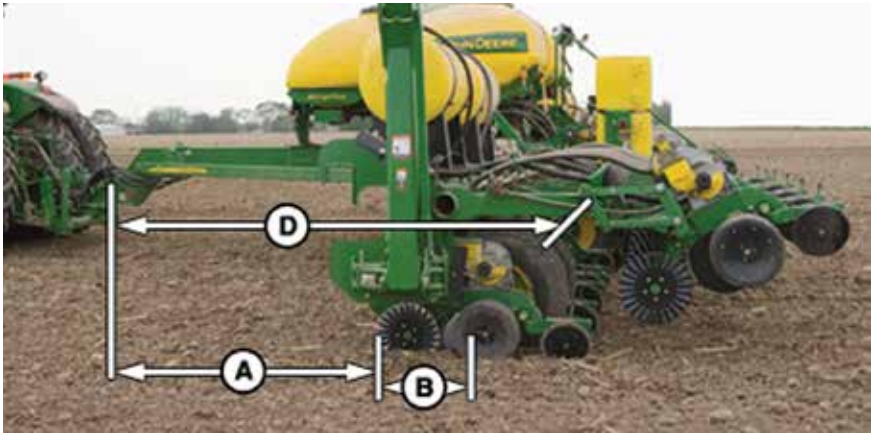
5. Select Implement Name. Make sure the offsets and implement width loaded are accurately listed on the screen. If not, correct any errors. Select the Next button.



Planter Offsets

A or 1) Connection Point to First ground contact point

B or 2) First ground contact point to seed drop point.

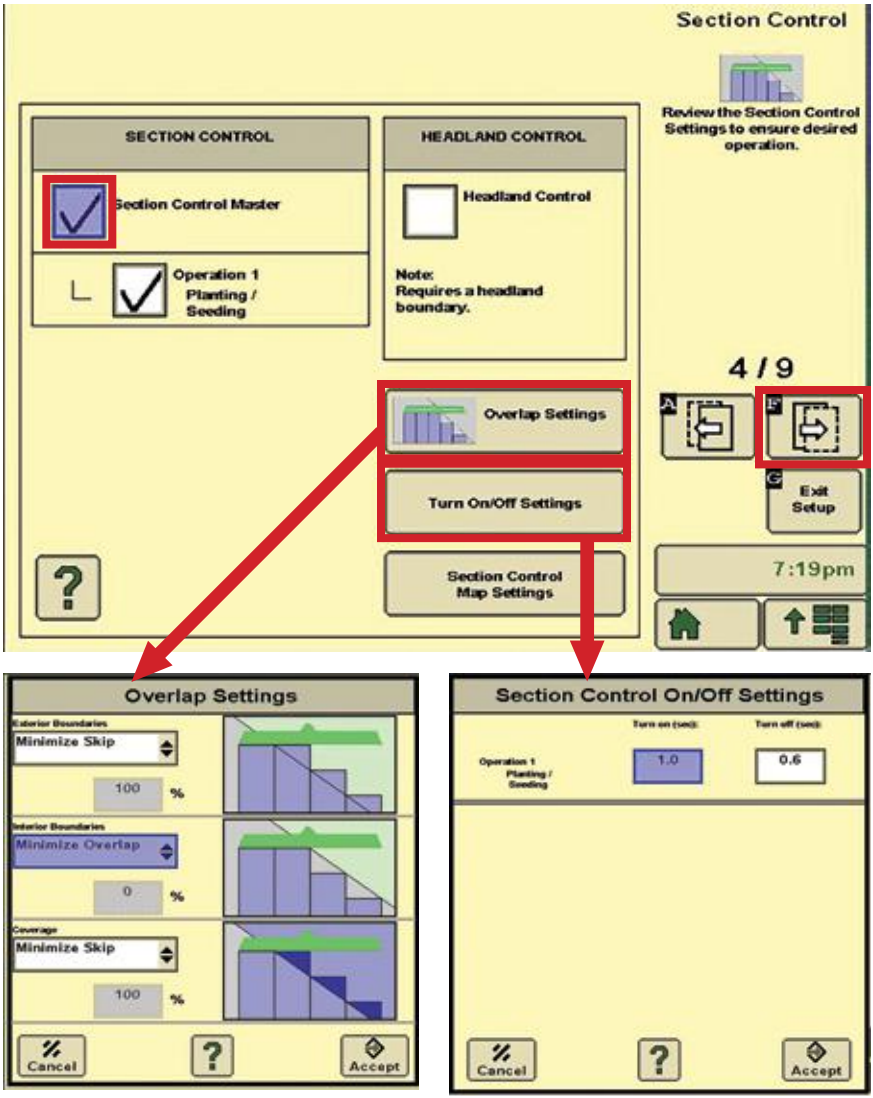


C or 3) Lateral offset from center of machine to center of implement width.

D or 4) Connection Point to rotation point of planter (center of fixed axles)

2630 Section Control Setup

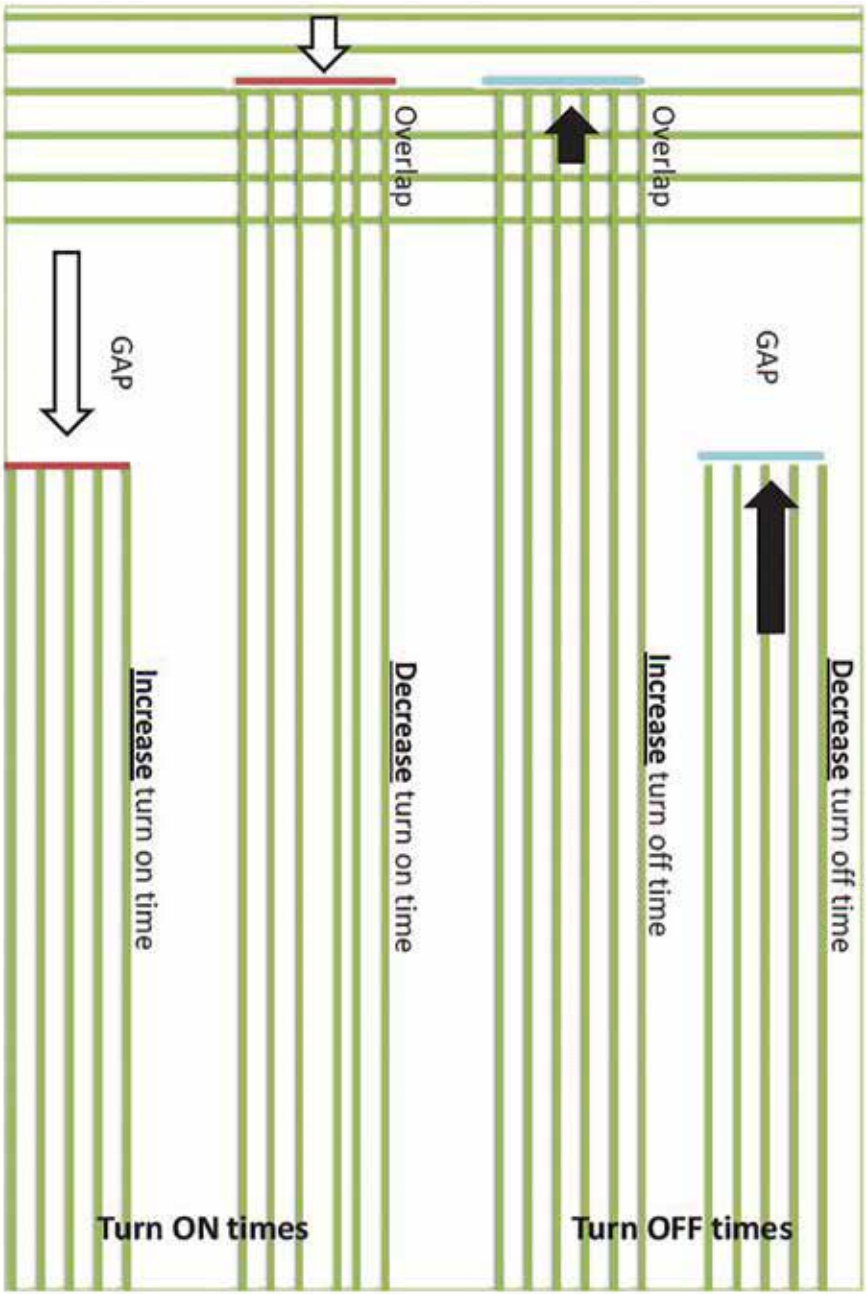
6. Section Control setup. Check mark Section Control Master to enable. Verify Overlap Settings and Turn On/Off Settings are accurate. Select the Next button.



Note: Default settings for rowcrop planters - On time between 0.5 & 1.0 sec and Off time to 0.3 sec.

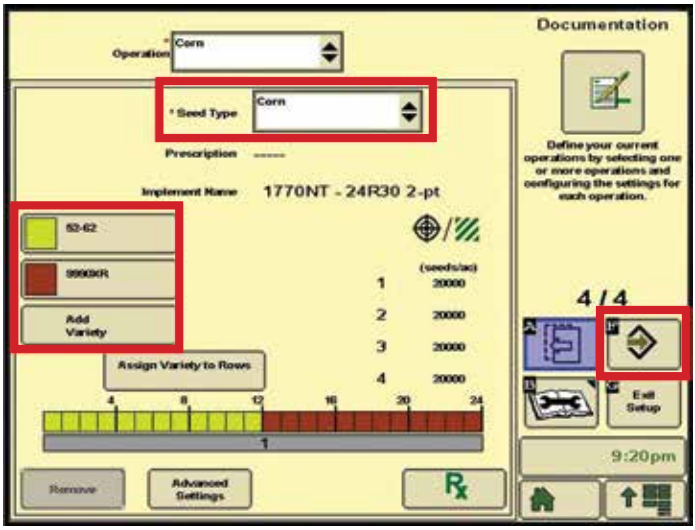
See chart on next page to fine tune.

2630 Section Control Setup, continued

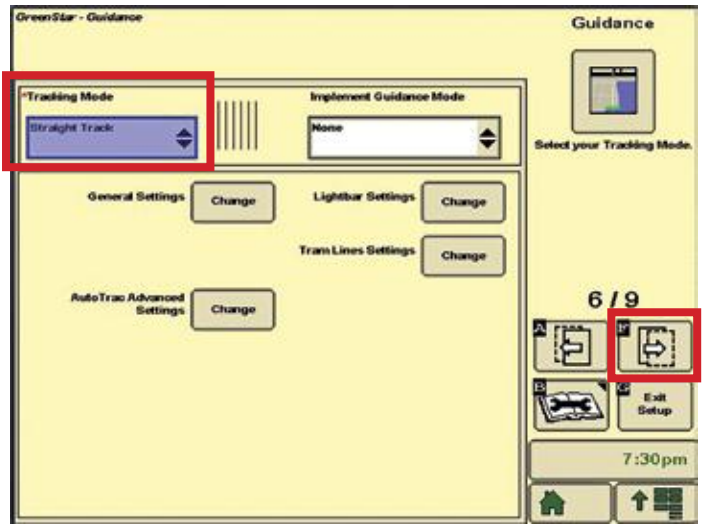


2630 Documentation Setup

7. Select Seed Type and Add Variety and Assign to Rows. Click Next to continue.



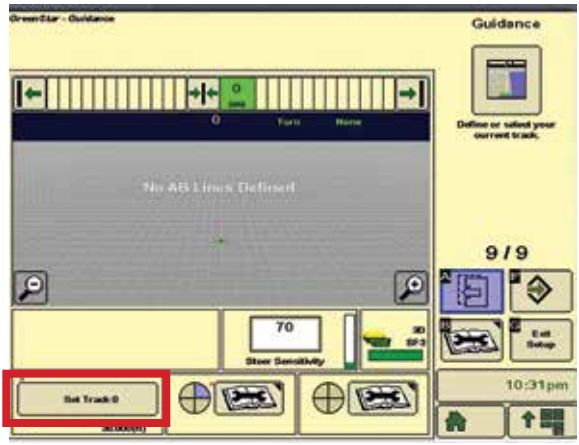
8. Select Tracking Mode and then Next to continue.



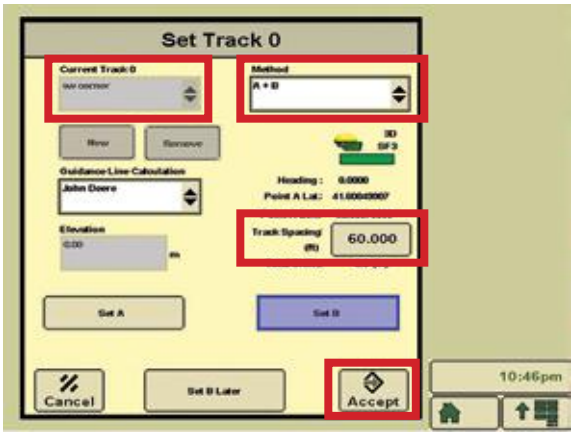
9. Turn on Small Shifts and then Next to continue.

2630 Guidance Setup

10. Create boundary or click Next to continue.
11. Click Set Track 0.



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

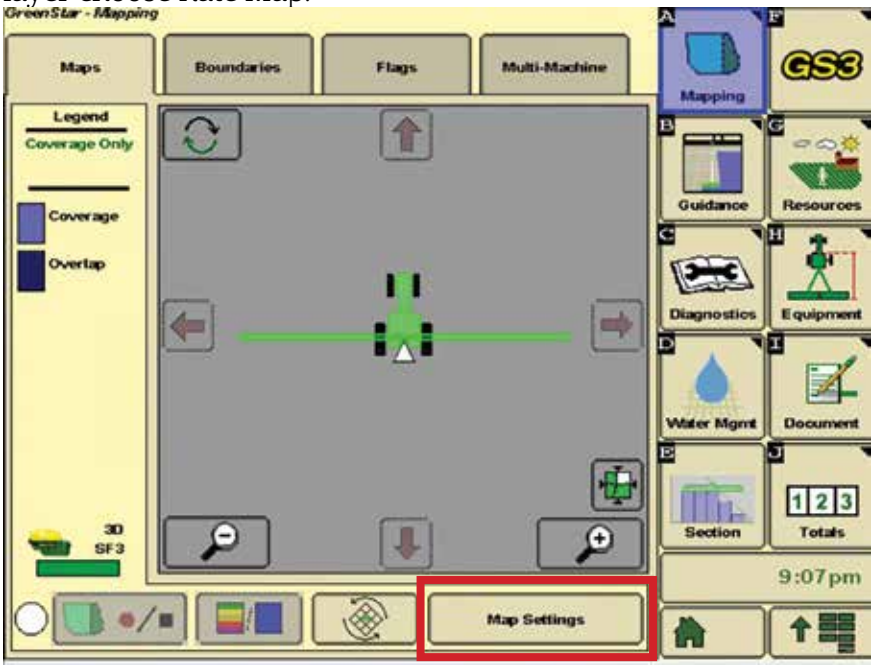


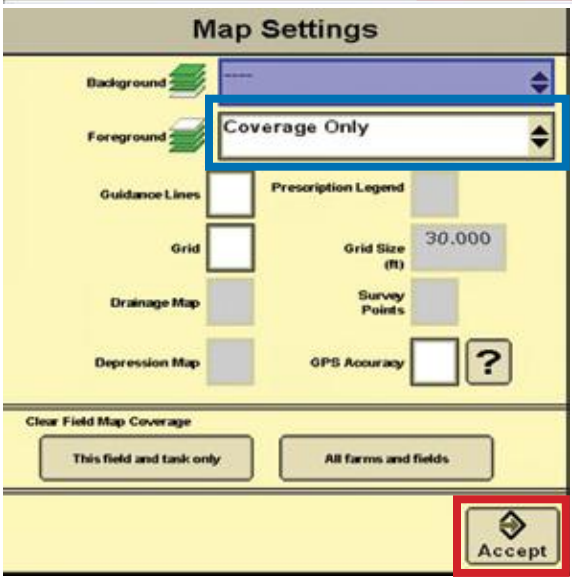
Verify Track Spacing is Correct

2630 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.

Gen4 Importing Data

Data Import using a USB Drive

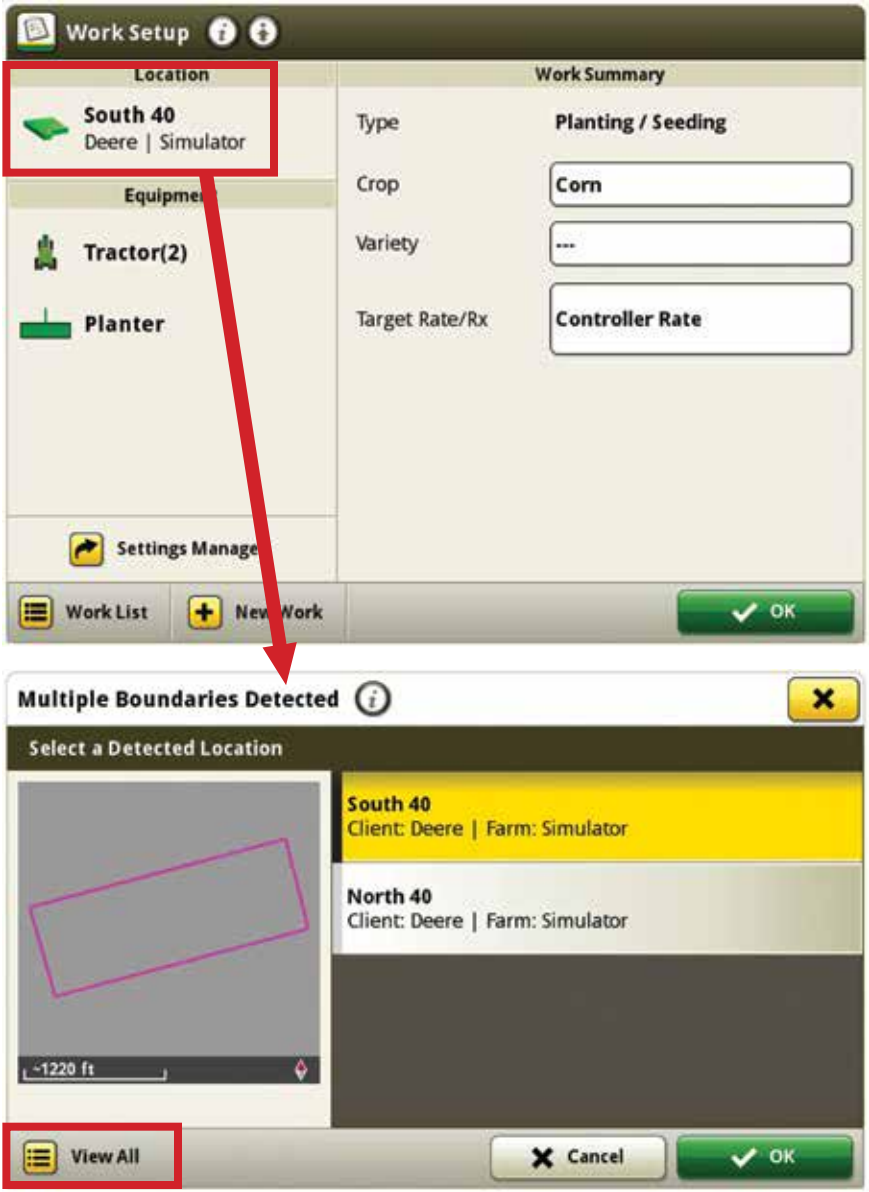
Insert USB with setup data. Import screen will appear. Select the Next button. Choose setup files and Accept to import.

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

1. Select the Setup button.

Gen4 Work Setup

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



Gen4 Work Setup, continued

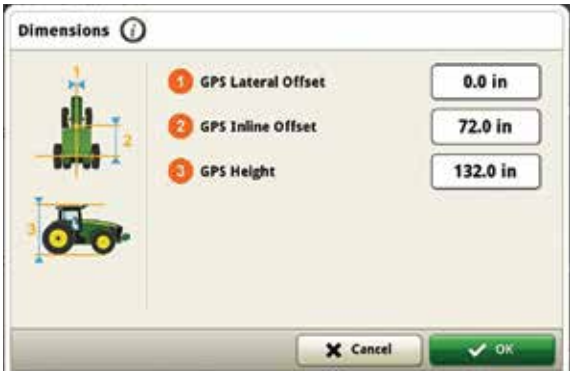
3. Select the Equipment button and select your Machine and Implement.

4. Select Tractor and enter offsets. Next select Planter and insert offsets.

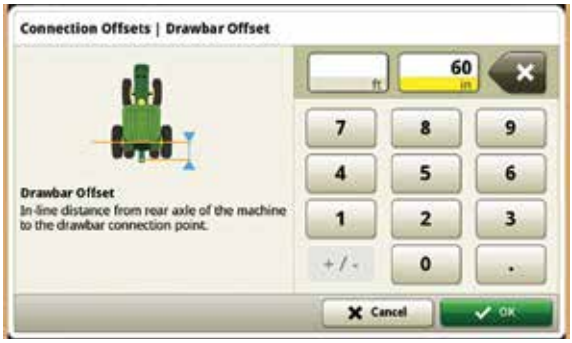
Gen4 Machine Profile

5. Under Machine Profile select GPS offsets.

6. Enter receiver measurements.



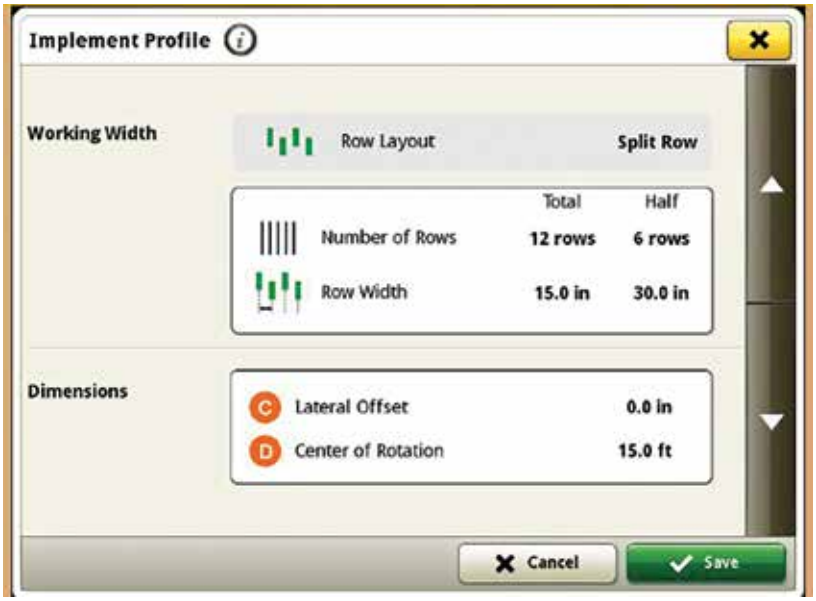
7. Select Connection Offset, select Hitch Type and enter measurement from axle to connection point.



Gen4 Implement Profile

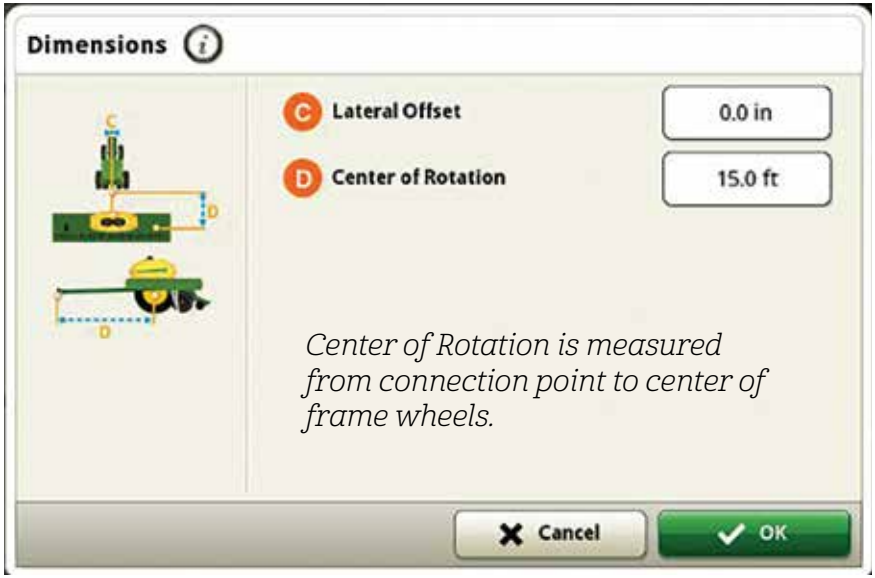
8. Open Implement Profile. Choose correct Connection Type.

9. Verify Planter Working Width and Dimensions.

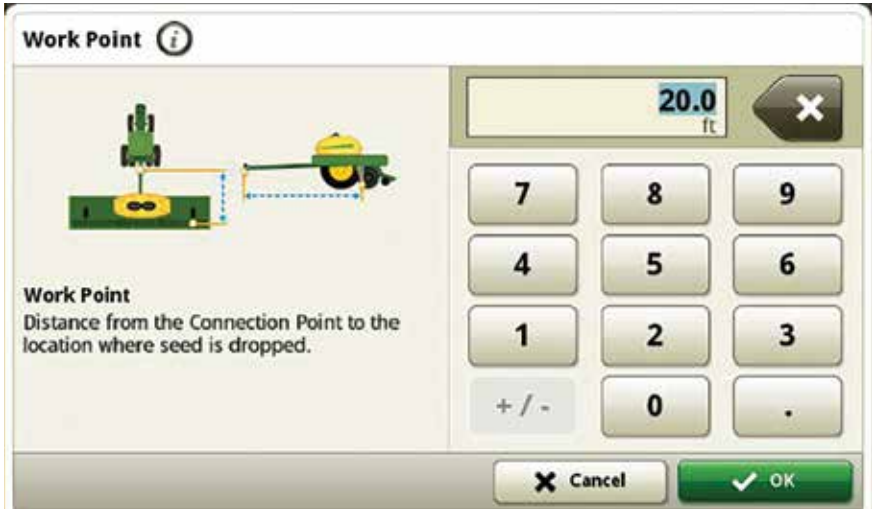


Gen4 Implement Profile, continued

10. Select Dimensions. Enter Lateral Offset & Center of Rotation.



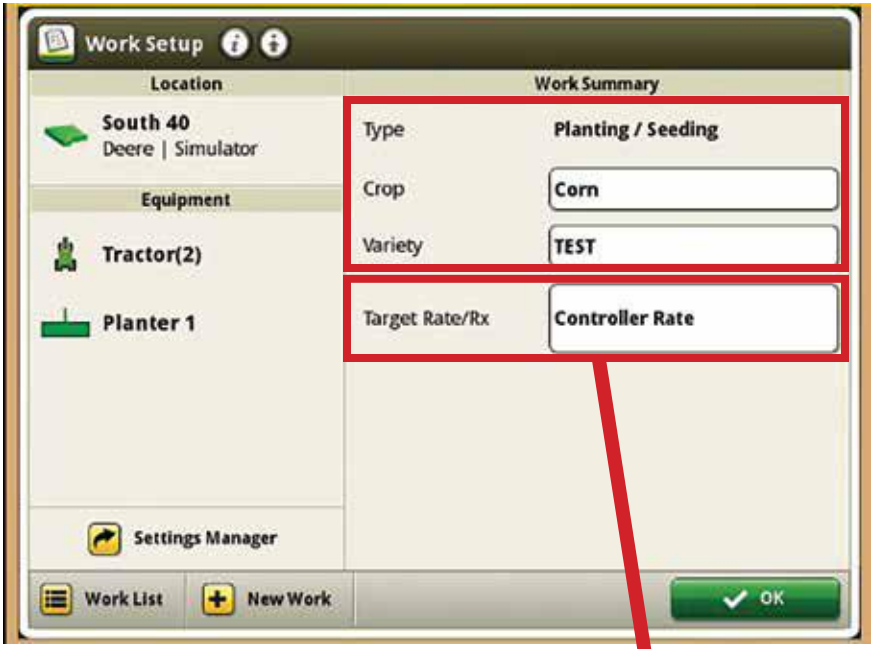
11. Measure and enter to Work Point (Seed Tubes). After entering all the info, click Save before returning to the Work Setup page.



Gen4 Work Summary

12. Select the your Crop Type, Variety, and Target Rate. If using a prescription select RX instead of controller rate and import the RX.

    Select OK to save.



Gen4 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 and Save.

Gen4 Section Control, continued

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

Go to Menu -> Applications -> Layout Manager to create a section control master switch on the Shortcut Bar.

Gen4 Map Setup

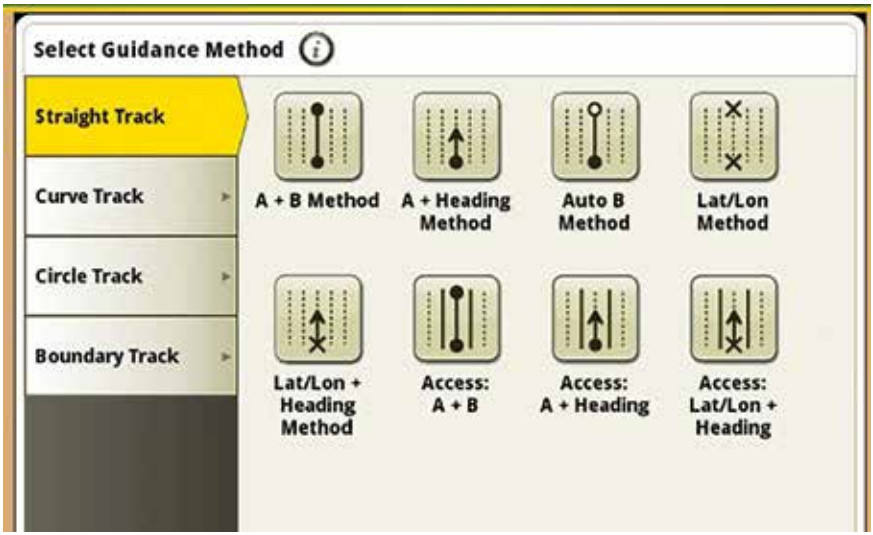
If you'd like to view a rate map instead of a coverage map click Menu then Applications, Next, select Mapping and choose the Map Legend icon then select the Map View icon.

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

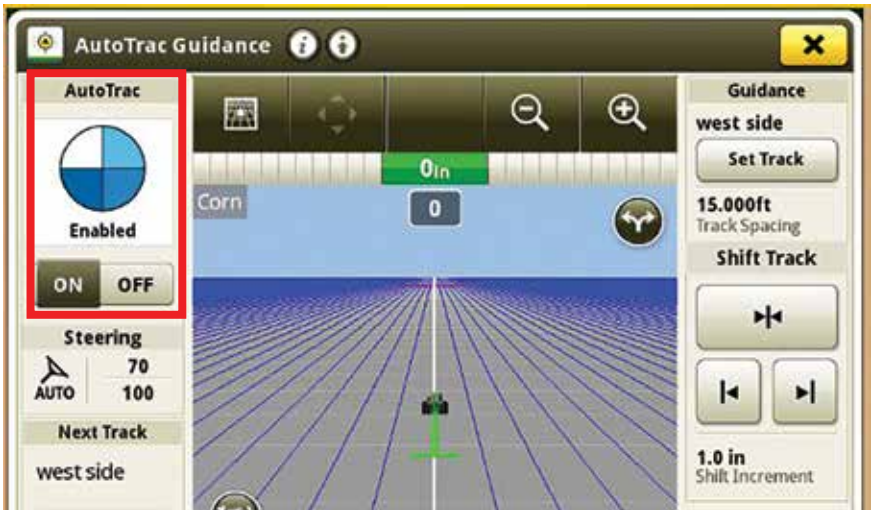
Select the Guidance shortcut key on the shortcut bar. Click Set Track and choose AB line from the guidance track list or select New track. Next choose type of track and creation method.



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 or enter heading.

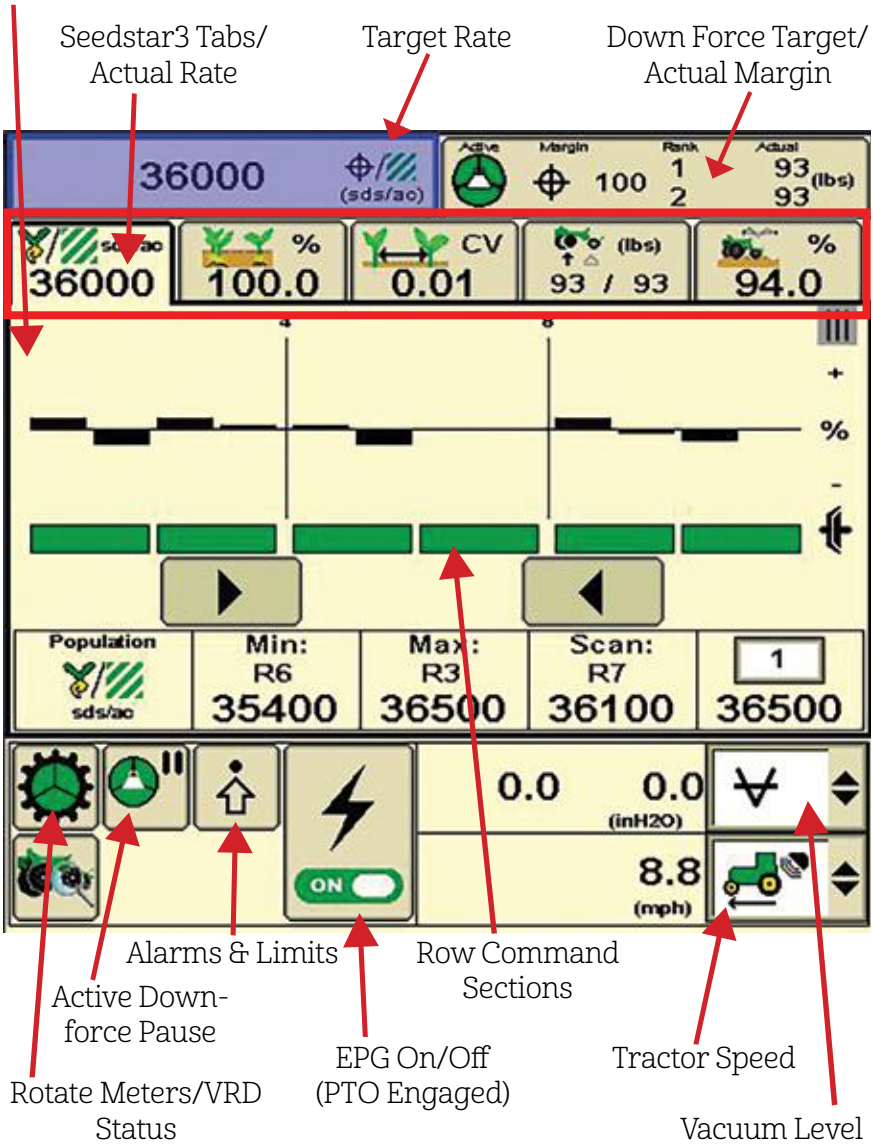
Turn On Autotrac and hit Resume button.



Seedstar 3 HP

Planter at a Glance

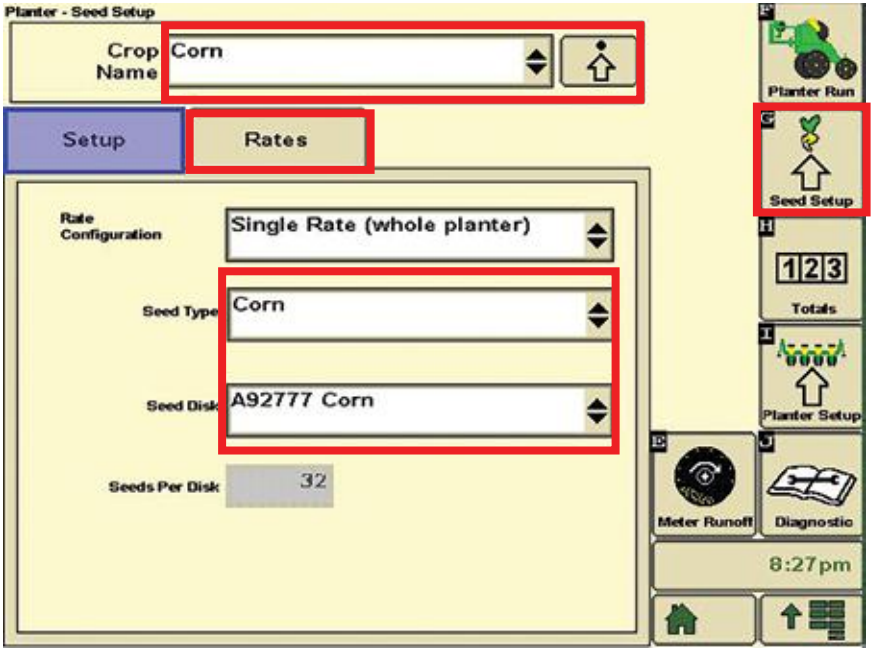
Black bars indicate row is planting normally.
Orange bars indicate row is planting above or below alarm setpoints.
Red bars indicate row is not planting.



Planter — Seed Setup

Seed Setup

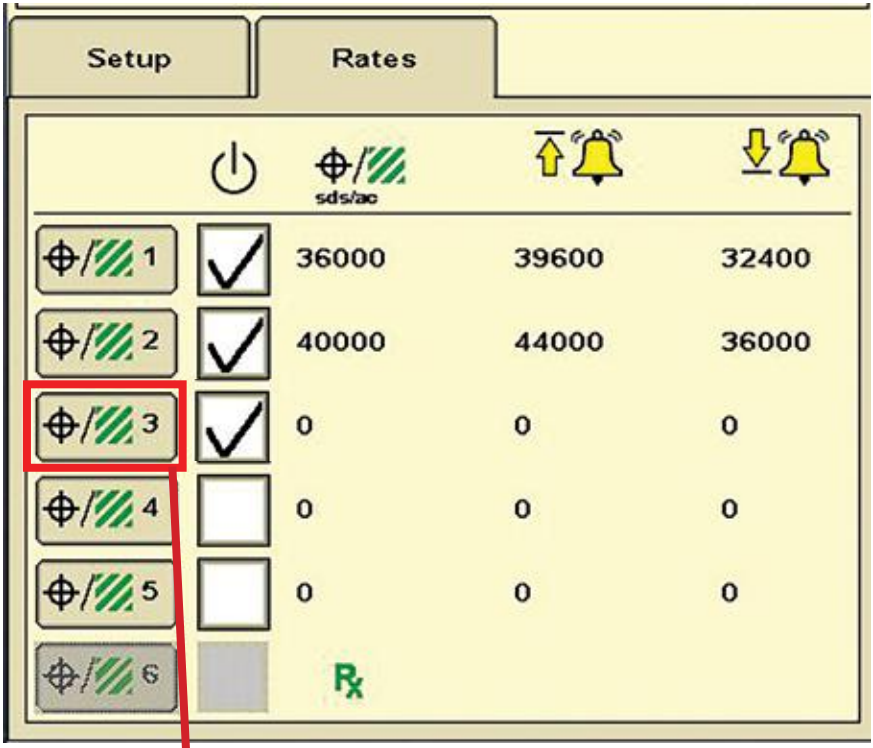
Select Seed Setup (Soft key G). Next, select Crop Name from the drop down menu. Select correct Seed Type and Seed Disk.

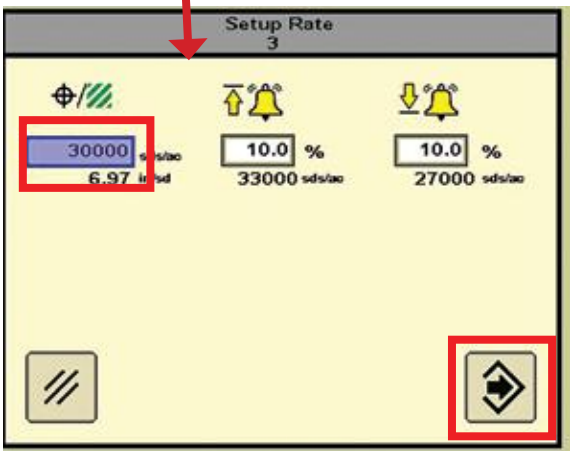


Press Rates Tab to add Target Rates.

Planter — Rates Setup

Select the Target Rate input box and enter the desired population. Click accept. Next check mark the new rate so it is available on Target list.

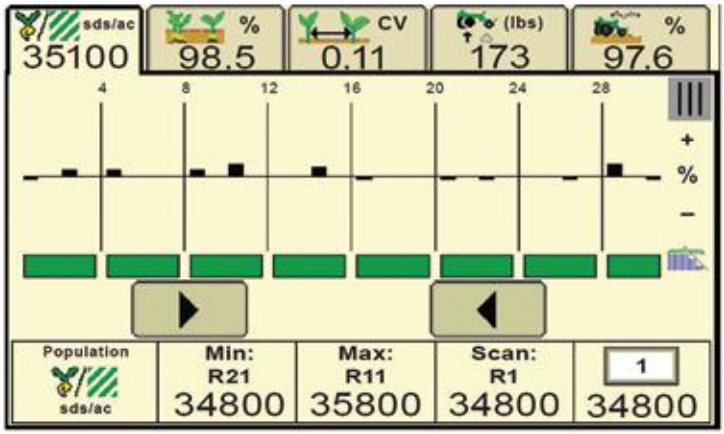




Note: If using a prescription, turn on Rate 6.

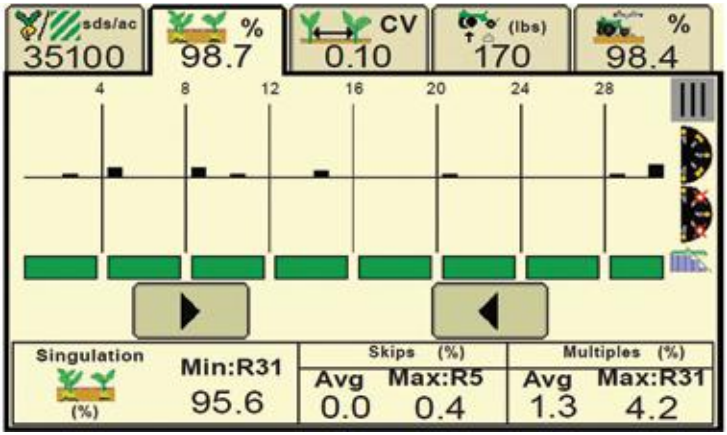
Seedstar HP Features

Seed Population



Center line is target population. Bars above line indicate rows planting above target. Bars below line indicate rows planting below target. Bars turn orange when above or below alarm setpoint. Bars turn red when row is not planting near the target rate.

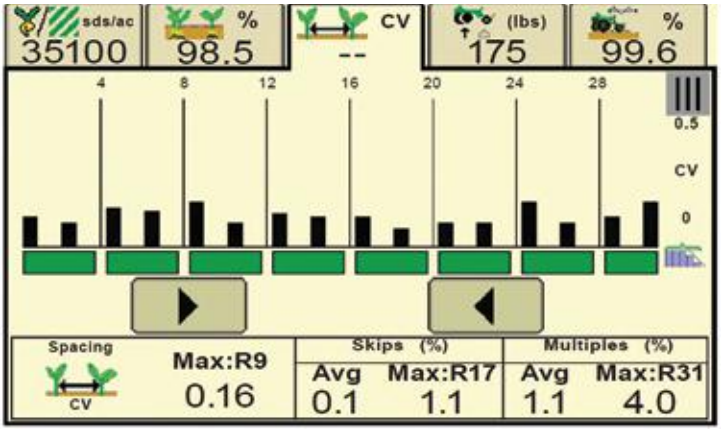
Seed Singulation



Center line is perfect singulation (100%). Bars above line indicate increasing percentage of multiples. Bars below line indicate increasing percentage of skips. Bars turn orange when nearing alarm setpoint. Bars turn red when multiples or skip percentage is above alarm setpoint.

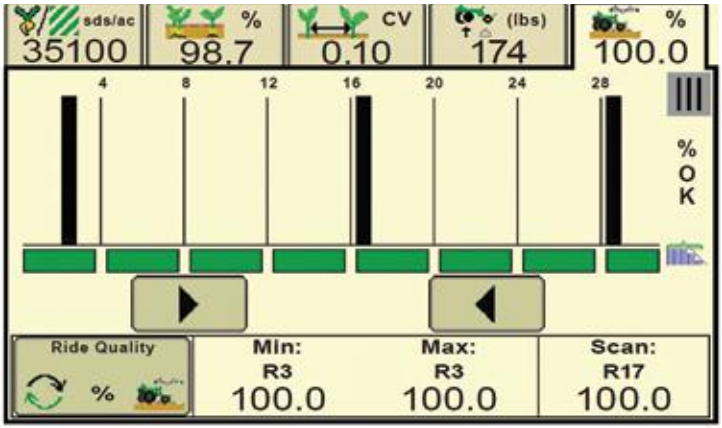
Seedstar XP Features, continued

Seed Spacing Coefficient of Variation (CV)



Bottom of graph is perfect seed spacing (CV = 0). Bars increase in height as seed spacing becomes more variable. Bars turn orange when nearing alarm setpoint. Bars turn red when seed spacing CV is above alarm setpoint.

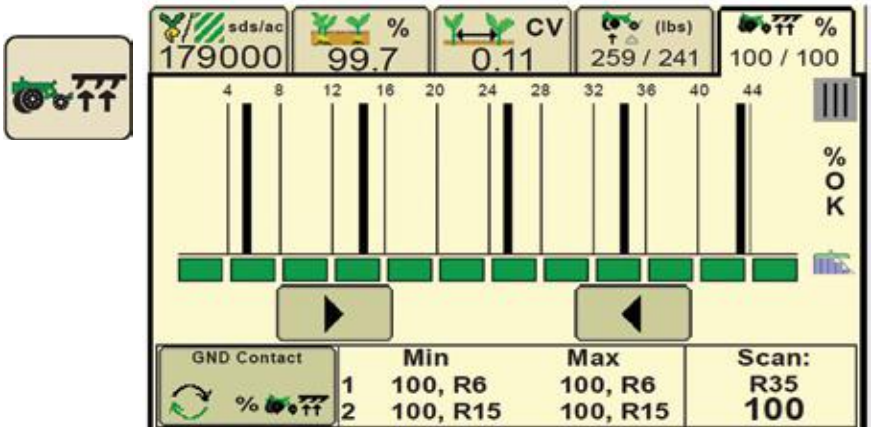
Ride Dynamics



Top of graph is optimum ride quality (100%). Bottom of graph is poorest ride quality (0%). Bars decrease in height as row unit ride quality decreases. Bars turn orange when nearing alarm setpoint. Bars turn red when ride quality is below alarm setpoint. Toggle button selects ride quality or ground contact from the same tab.

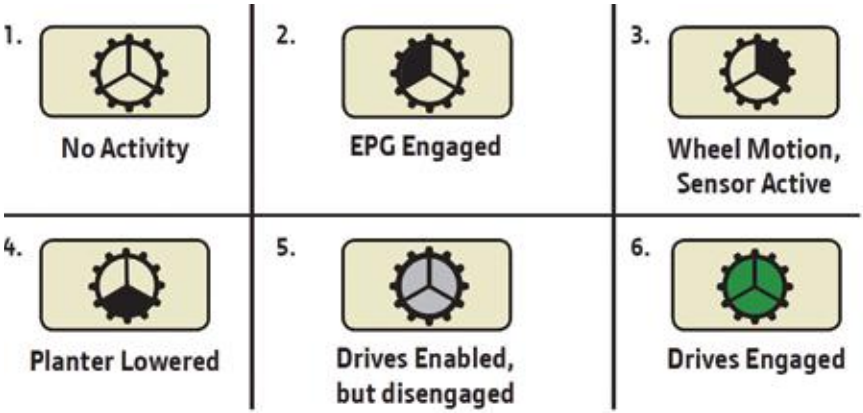
Seedstar HP Features, continued

Ground Contact



Top of graph is optimum ground contact (100%). Bottom of graph is (0%) ground contact. Bars decrease in height as row unit ground contact decreases. Bars turn orange when nearing alarm setpoint. Bars turn red when ground contact is below alarm setpoint.

Drive Status

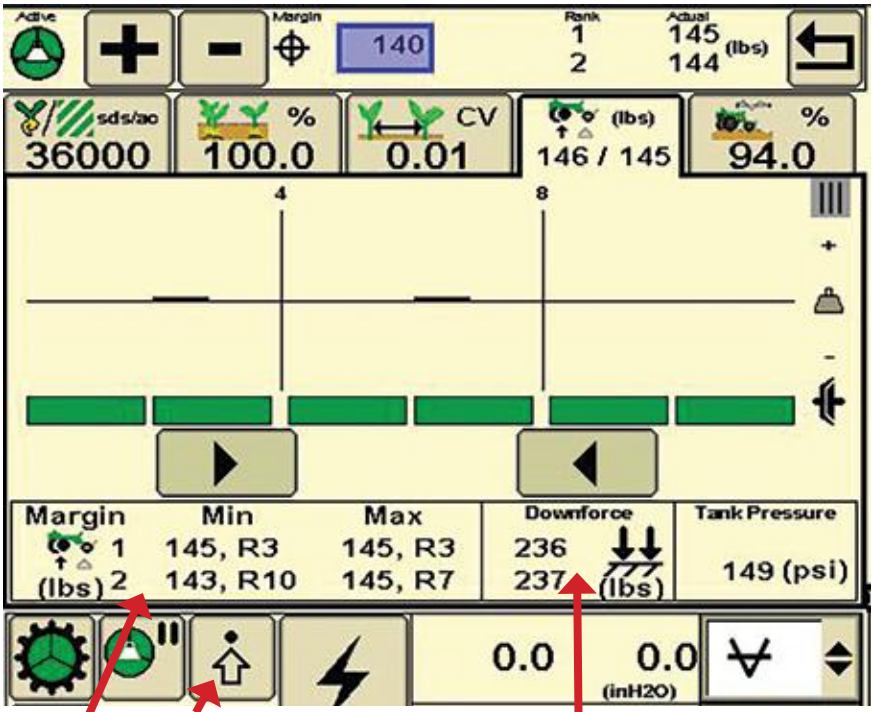


Active Downforce

Active Downforce automatically makes down force adjustments based on target down force margin and feedback from the gauge wheel sensors.

Target Margin = Amount of extra downforce applied to row unit. Over and above what is required for the openers to penetrate soil and achieve full planting depth. Default = 75

Target Margin



Enable Active mode inside settings button.

Lbs of downforce in Airbag System.

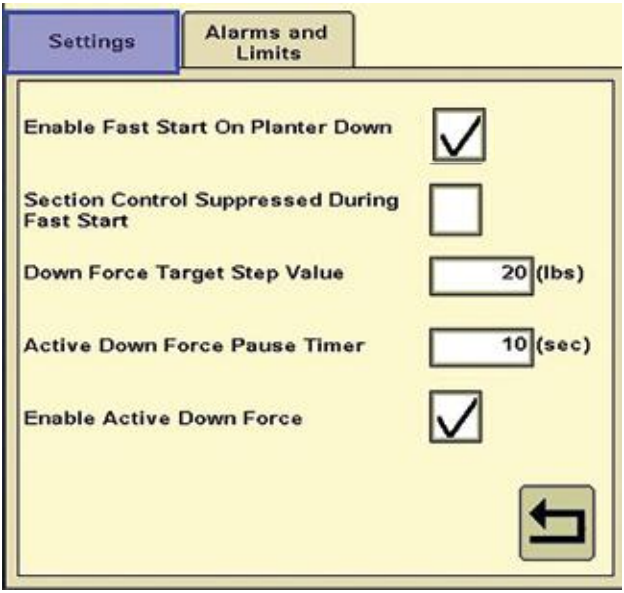
Data from the row unit gauge wheel sensors is displayed as margin on the monitor.

Center line is Target Margin. Bars above line indicate downforce levels higher than desired. Bars below line indicate levels are low.

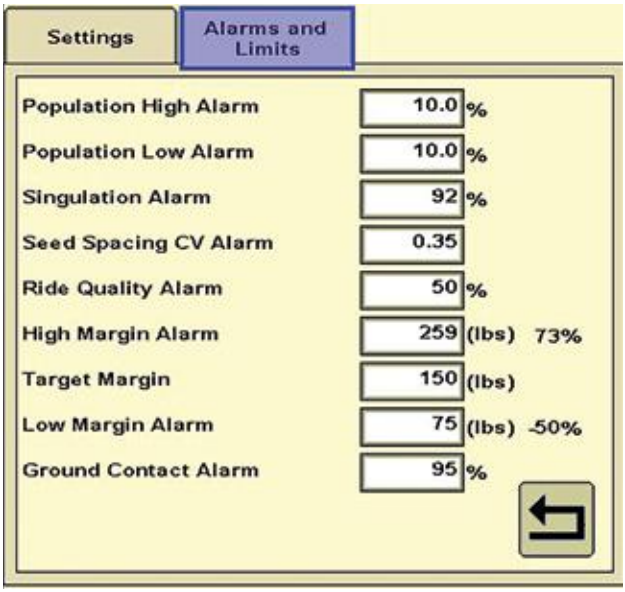
Settings and Alarms

Settings button to enable fast start and down force.

Edit pause timer and step value if needed.



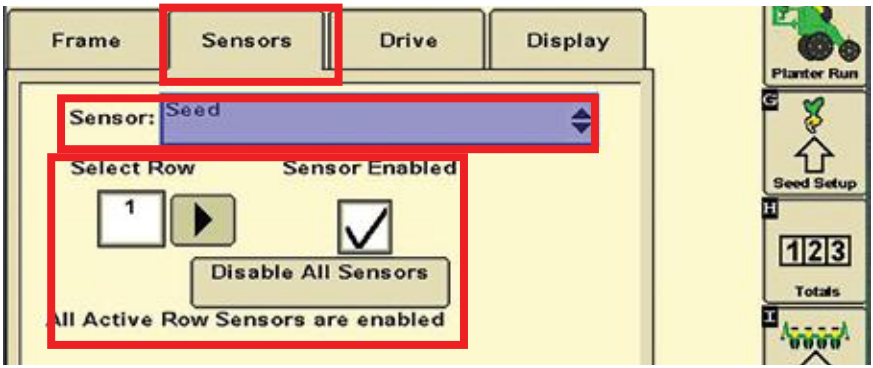
Alarms & Limits



Click Settings Button and select Alarms and limits tab to edit alarm setpoints as needed.

Planter - Sensor Setup

Select Planter Configuration (Button I) -> Select the Sensor Tab and choose sensor to enable/calibrate.



Check the following sensor settings:

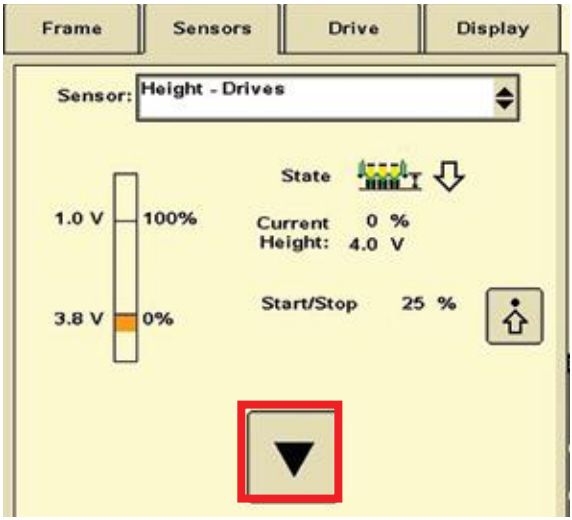
Seed - All rows are enabled.

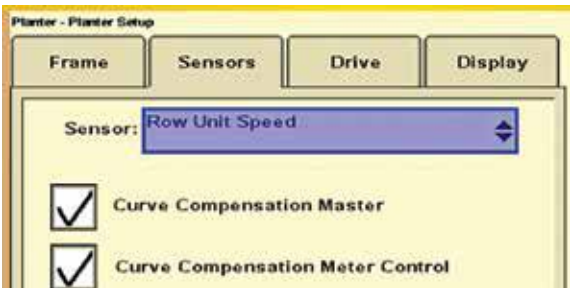
Vacuum - 0 with system off

Tractor Speed - Auto

Height - Press arrow to set start/ stop height and Calibrate

Row Unit Speed - Curve compensation on.

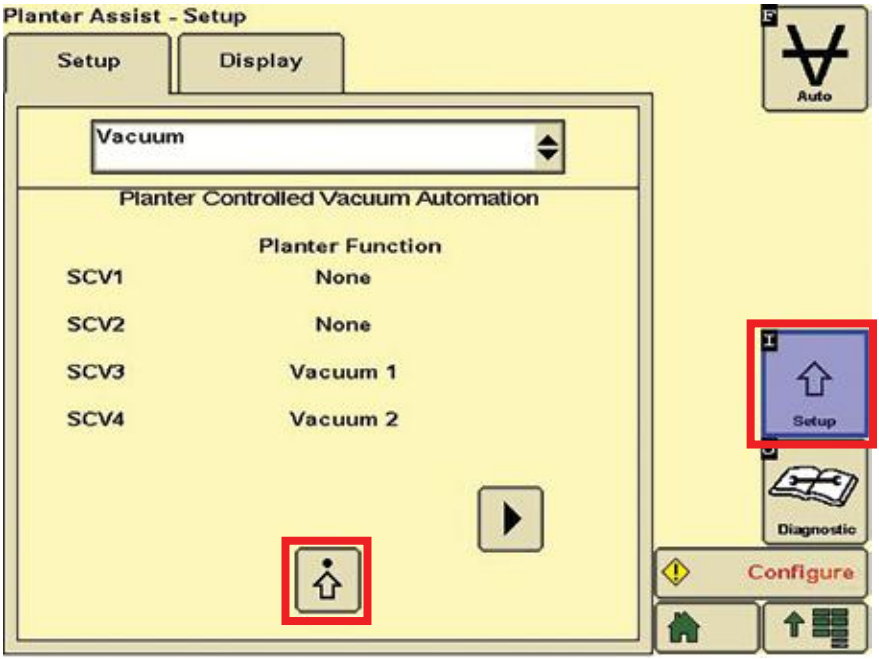




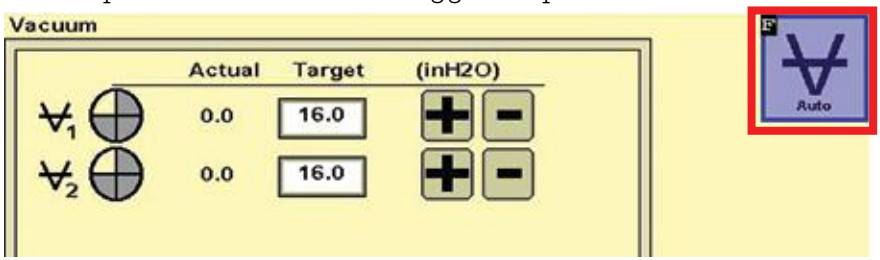
Vacuum Automation

Choose Planter Auxiliary under main menu.

Select setup button then settings to configure SCVs and enable automation.



Press Auto Button to set target vacuum for appropriate seed disk and crop. See chart below for suggested pressures.

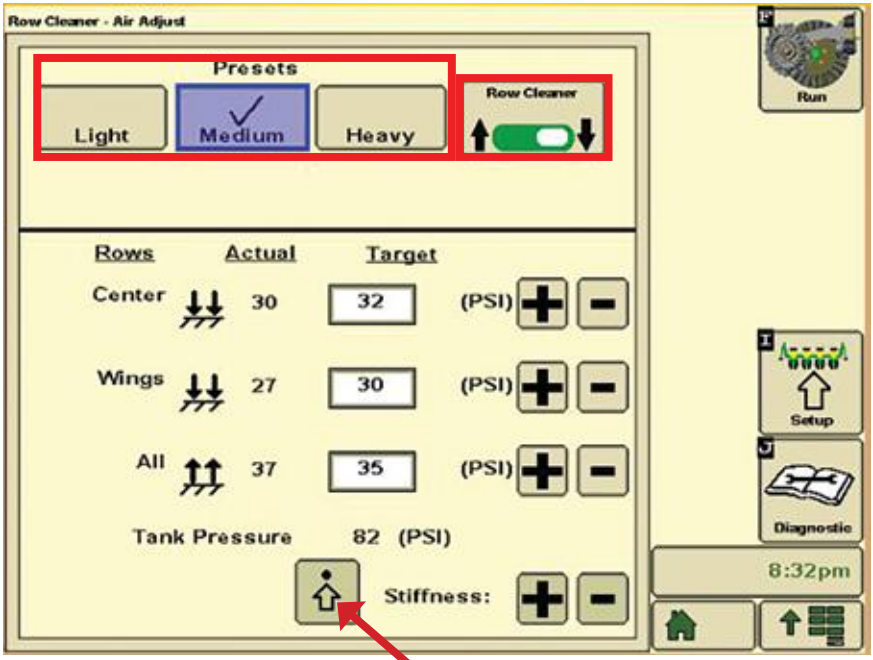


Vac Pressure	Corn	Soybean
EE Meter Bowl	16 - 23	8 - 26
5E Promax 40	11 - 18	8

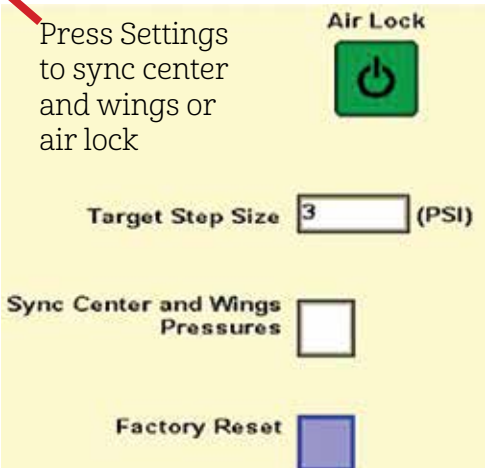
Easy Adjust Row Cleaners

Choose Row Cleaner under main menu.

Select Run button. Choose preset row cleaner mode. Or raise/lower button.



Press Settings to sync center and wings or air lock



Factory preset settings:

Light - For light residue such as bean stubble.

Medium - For medium residue such as corn stalks

Heavy - For heavy residue such as no till conditions

CCS Tank Pressure Settings for Common Crops

PRODUCT	DB44 24R22		
	Pressure (Inches H2O)	Small Seed Nozzle Inserts	Small Seed Discharge Elbows
Soybeans	12	No	No
Small Corn (Over 2000 seeds/lb)	10	No	No
Medium Corn (2000 to 1200 seed/lb)	12	No	No
Large Corn (Less than 1200 seeds/lb)	14	No	No
Cotton	10	No	No
Sorghum	8	Yes	Yes
Sunflowers	6	NO	No

PRODUCT	1725CCS, 1775NT 12R30, 16R30, Deere/Orthman 12R		
	Pressure (Inches H2O)	Small Seed Nozzle Inserts	Small Seed Discharge Elbows
Soybeans	12	No	No
Small Corn (Over 2000 seeds/lb)	10	No	No
Medium Corn (2000 to 1200 seed/lb)	12	No	No
Large Corn (Less than 1200 seeds/lb)	14	No	No
Cotton	10	No	No
Sorghum	8	Yes	Yes
Sunflowers	6	No	No
Small Popcorn > 4500 seeds/lb	10	Yes	Optional
Large Popcorn < 4500 seeds/lb	10	No	No
Sweet Corn	10	No	No

Note: Set the tank pressure according to machine and crop when hoppers are full and machine is not moving.

DB60 24R30, 36R20, 47R15, DB66 36R22			DB80 32R30, 48R20, 48R20, 36R30		
Pressure (Inches H2O)	Small Seed Nozzle Inserts	Small Seed Discharge Elbows	Pressure (Inches H2O)	Small Seed Nozzle Inserts	Small Seed Discharge Elbows
14	No	No	16	No	No
12	No	No	14	No	No
14	No	No	16	No	No
16	No	No	18	No	No
12	Yes	Optional	12	Yes	Optional
10	Yes	Yes	10	Yes	Yes
6	No	No	8	No	No

1775NT 24R30, Deere/Orthman 16R, 18R, and 24R30			1795 and Deere/Orthman 24R20, 24R22		
Pressure (Inches H2O)	Small Seed Nozzle Inserts	Small Seed Discharge Elbows	Pressure (Inches H2O)	Small Seed Nozzle Inserts	Small Seed Discharge Elbows
14	No	No	12	No	No
12	No	No	10	No	No
14	No	No	12	No	No
16	No	No	14	No	No
12	Yes	Optional	10	No	No
10	Yes	Yes	8	Yes	Yes
6	No	No	6	No	No
12	Yes	Optional	10	Yes	Optional
12	No	No	10	No	No
12	No	No	10	No	No

Need Assistance? Contact us!

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