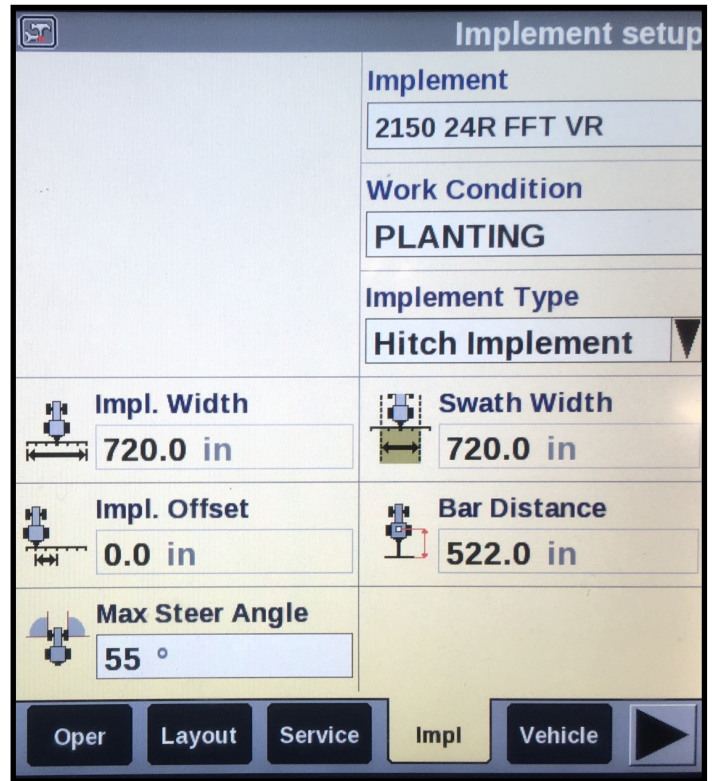
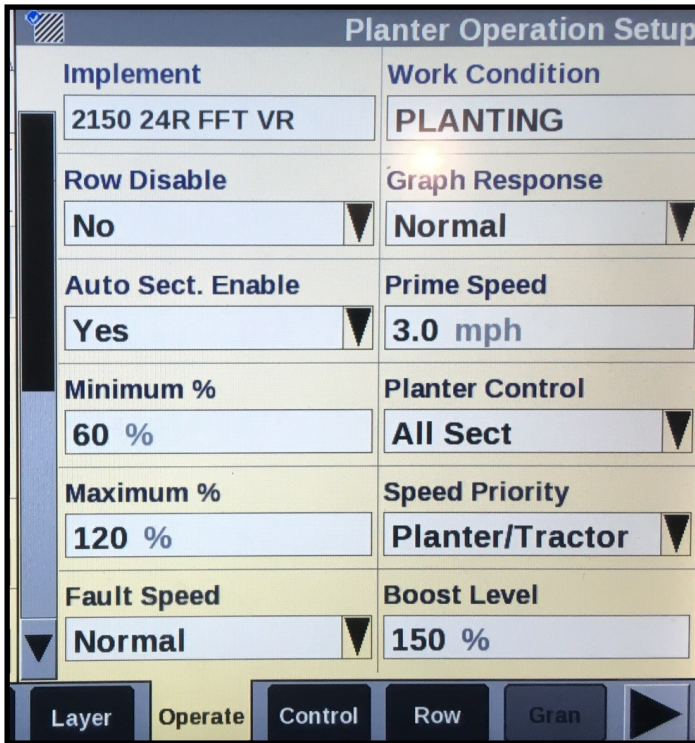
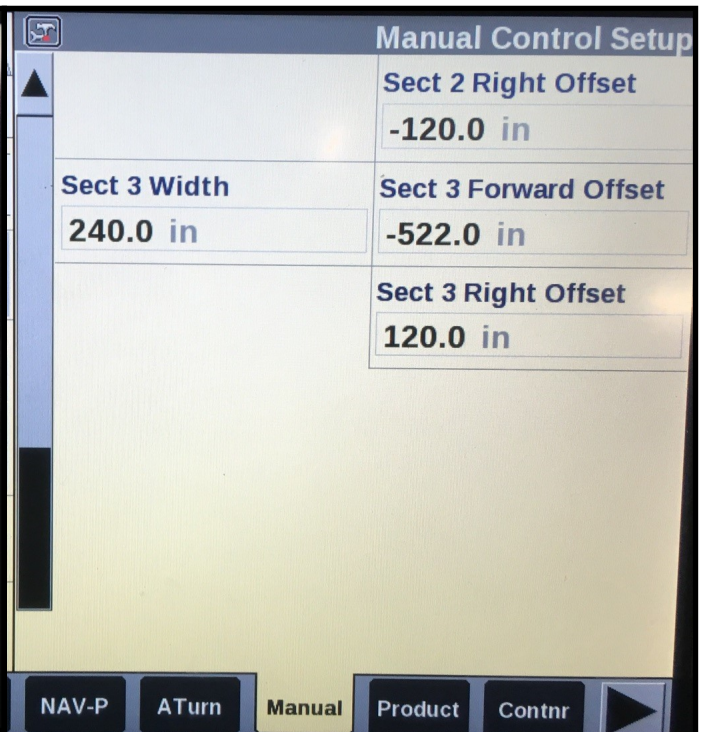
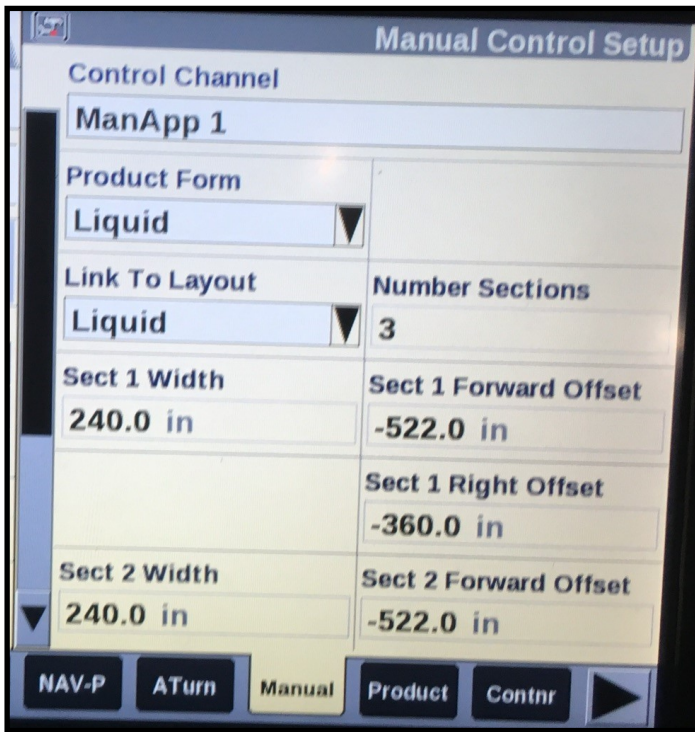


Following are pictures of screens involved in setting up the Pro 700 Planter UCM for Liquid on the 2000 series planters. These are just representative pictures of a 24-row 2150 planter. Your setup will vary from these. These pictures show some screens that relate directly to the liquid application.

Refer to the Case 2000 Series Early Riser Planter Software Operating Guide for complete instructions for setting up and operating the liquid system.



Liquid Systems on the 2000 Series planters using the Pro 700 Planter UCM must have 3 sections.



Product Setup

Product Name	Form
10-34-0 (10) + 13-	Liquid
Usage	
Fertilizer	
Default App Rate	Delta App Rate
3.400 gal/ac Units	0.000 gal/ac
Min App Rate	Max App Rate
2.400 gal/ac	6.800 gal/ac
Package Size	RX Scale Factor
0.000 gal Units	1 : 1.0000
Product Density	
11.60 lb/gal Units	

NAV-P ATurn Manual Product Contrn

Container Setup

Container	Type
Liquid Tank	Volume
Capacity	Level
600.0 gal Units	75.0 gal
Warning Type	Warning Level
Value	50.0 gal
Time Tracking	
Disabled	

Liquid Tank
1 75.0 gal

NAV-P ATurn Manual Product Contrn

These 4 Section Rows setups are for the SEED, not the Liquid.

Planter Configuration Setup

Implement	Active Gran Chem
2150 24R FFT VR	No
Section 1 Rows	Markers
6 rows	No
Section 2 Rows	Liquid Product
6 rows	Yes
Section 3 Rows	
6 rows	
Section 4 Rows	Bulk Fill
6 rows	Yes
Row Width	
30.0 in	

Config. DFbar ASI Gran Activate

Advanced Setups > Set to YES to allow changes to LIQUID GAIN Settings.

Planter Configuration Setup

Bar Distance	Down Force Ctrl
522.0 in	Hydraulic
Advanced Setups	PTO Pump
No	No
	Bulk Fill Lights
	Yes
Outer Group Size	
1 rows	
Wheel Speed Sim	
No	

Config. DFbar ASI Gran Activate

Layer Assignment

Work Condition	
PLANTING	
Layer 1	
Liquid	
Product 1	Container 1
10-34-0 (10) + 13-	Liquid Tank
Layer 2	
No Control	
Product 2	Container 2
	None

Layer Operate Control Row Gran ▶

Planter Operation Setup

Implement	Work Condition
2150 24R FFT VR	PLANTING
Row Disable	Graph Response
No	Normal
Auto Sect. Enable	Prime Speed
Yes	3.0 mph
Minimum %	Planter Control
60 %	All Sect
Maximum %	Speed Priority
120 %	Planter/Tractor
Fault Speed	Boost Level
Normal	150 %

Layer Operate Control Row Gran ▶

Boost Level > This gives a pump a boost on startup to get to rate quicker. Set as desired.

CAL VALUE > pulses per Liter for flowmeter.
 0.3 - 5 gpm and smaller > 792 (electric system)
 0.6 - 13 gpm and larger > 528 (hydraulic system)

Liquid Cal

Planter Controller Setup

Implement	Work Condition
2150 24R FFT VR	PLANTING
Controller	
Liquid	
Default Rate	Alarm Limit (+/-)
3.400 gal/ac Units	10 %
Delta Rate	Cal Value (L)
0.100 gal/ac	528
Product Delay	
2.00 Sec	

Select Work Condition to edit Setup items. If an As Applied Work Condition is selected, go to Toolbox>Product to edit Default & Delta Rate

Layer Operate Control Row Gran ▶

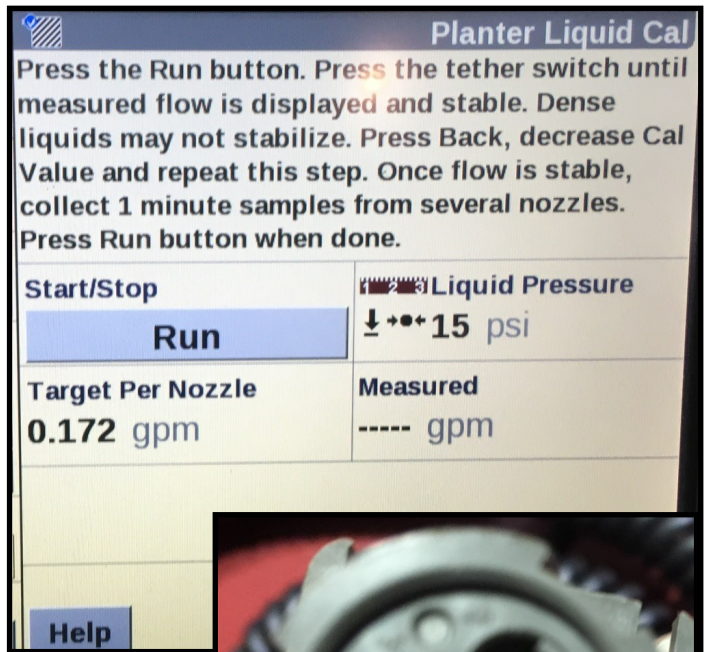
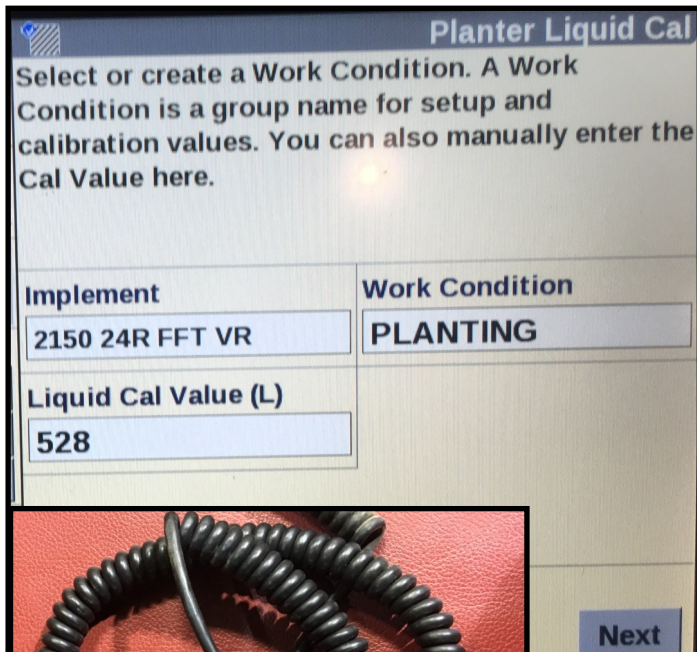
Planter Liquid Cal

Enter the intended planting rate and speed. Enter the Cal Value from the tag found attached to the flow meter or stamped on the flow meter itself.

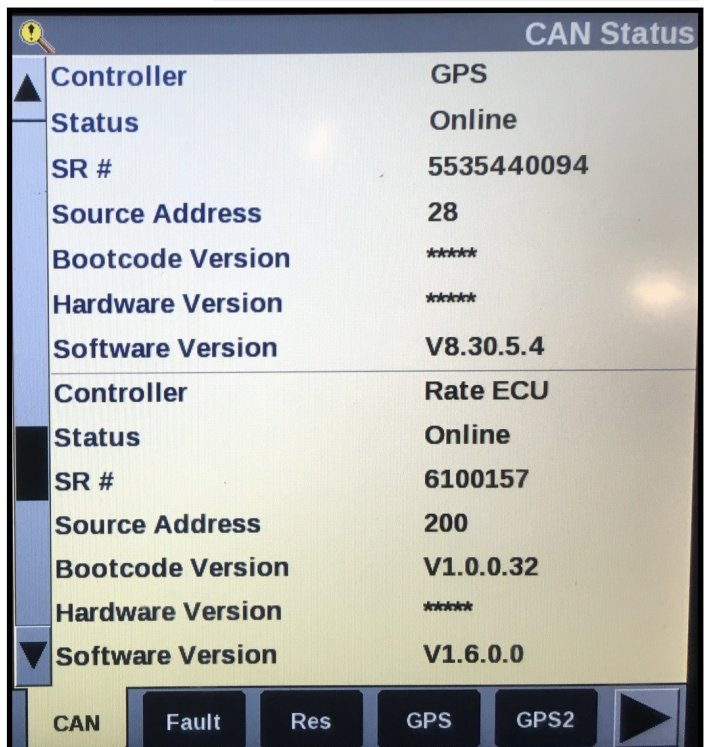
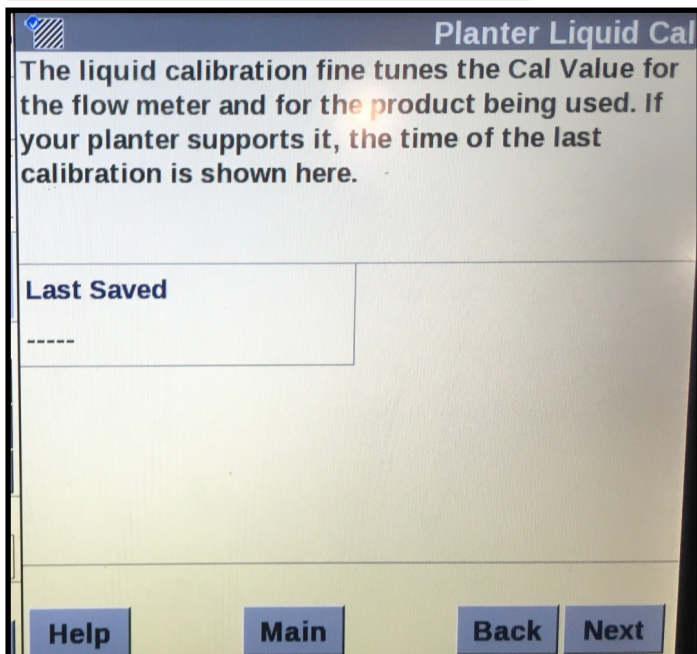
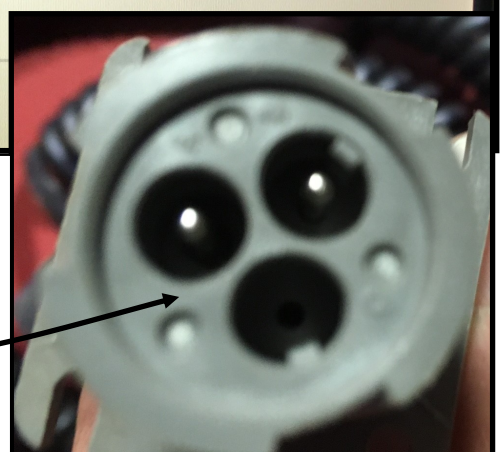
Liquid Default Rate	Speed
3.400 gal/ac	10.0 mph
Liquid Cal Value (L)	
528	

Help Main Back Next



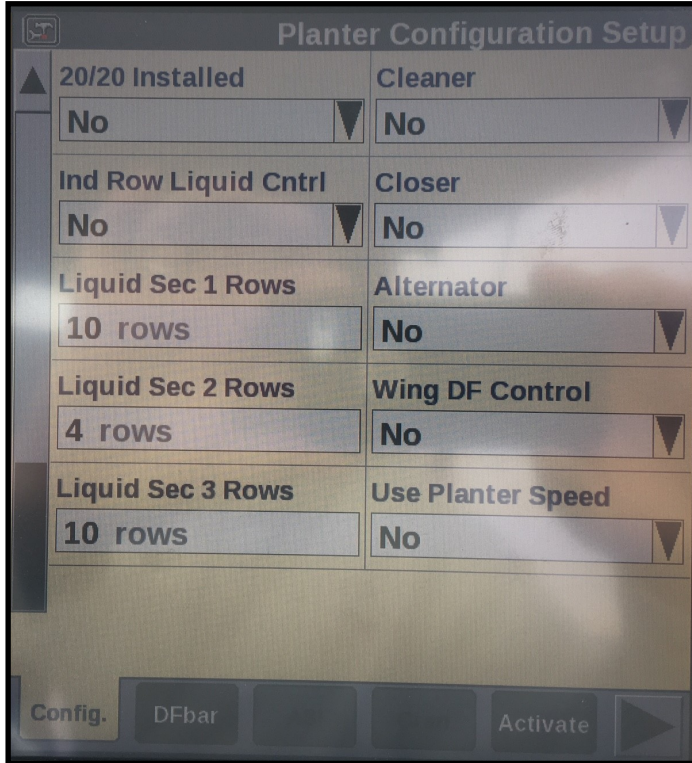


Tether switch from Case.
 Connects to Connector on back of planter
 (Jump across these two pins to activate pump without tether switch)



Planter Config Setup

Enter number of rows in each section for Liquid.



The screenshot shows the 'Planter Configuration Setup' screen with the following settings:

20/20 Installed	Cleaner
No	No
Ind Row Liquid Cntrl	Closer
No	No
Liquid Sec 1 Rows	Alternator
10 rows	No
Liquid Sec 2 Rows	Wing DF Control
4 rows	No
Liquid Sec 3 Rows	Use Planter Speed
10 rows	No

Buttons at the bottom: Config., DFbar, Activate, and a right arrow.

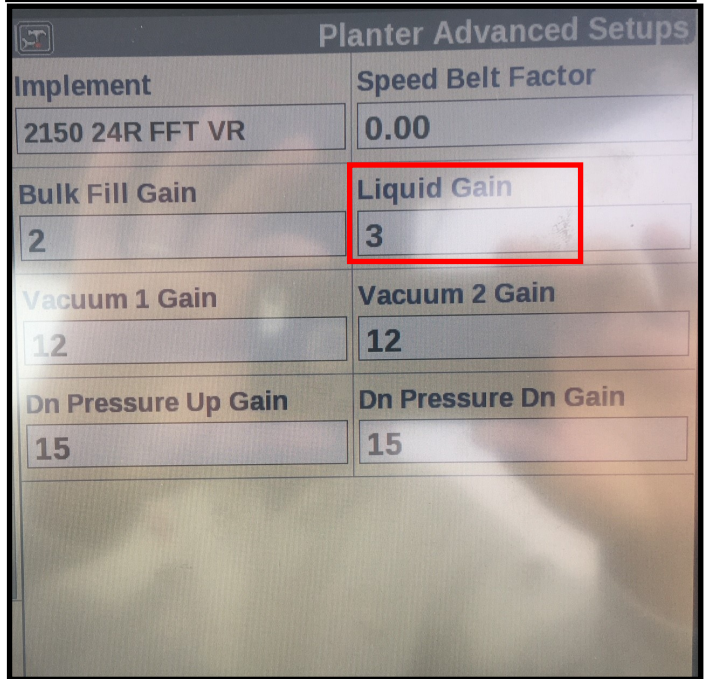
Advanced Setups > Adjust Liquid Gain here.

Hydraulic Pump > start at 8.

Electric Pump > start at 20. Adjust as needed.

Reduce if system oscillates around rate.

Increase if system is slow to adjust.



The screenshot shows the 'Planter Advanced Setups' screen with the following settings:

Implement	Speed Belt Factor
2150 24R FFT VR	0.00
Bulk Fill Gain	Liquid Gain
2	3
Vacuum 1 Gain	Vacuum 2 Gain
12	12
Dn Pressure Up Gain	Dn Pressure Dn Gain
15	15

The 'Liquid Gain' value of 3 is highlighted with a red box.