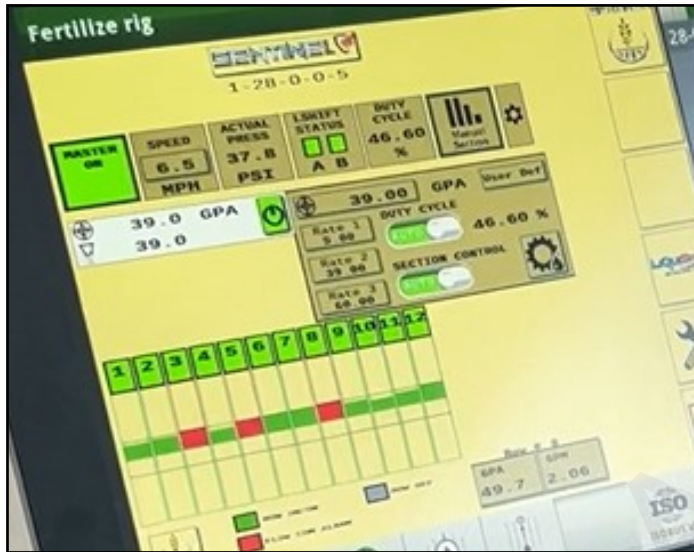


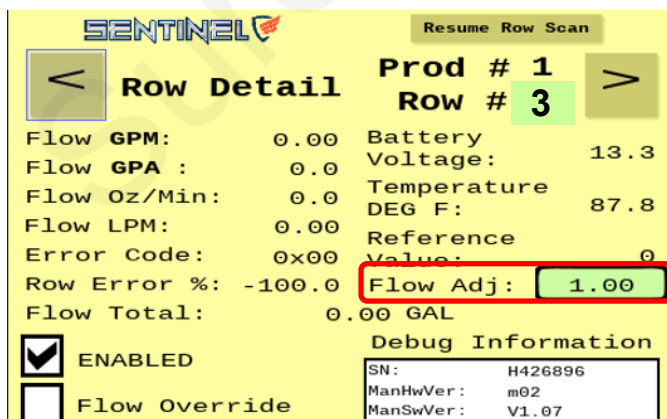
Rate Control with Row Monitoring - Locked on Target - All rows showing high flow.



1. With the system locked on to the target rate, all the rows are showing that the flow is too high, with 3 rows slightly higher than the others.
2. **Verify Flow Cal on big flowmeter.** Do a catch test. Adjust flow cal as needed.



3. Changed Flow Cal from 2000 to 1750. →
4. Bars and Row Detail agree with the Target Rate.
5. **Do a catch test on the 3 rows that still show higher flow.**
6. Catch test verified that the rows are putting out the right amount.
7. **Go to Row Detail Screen.**
8. **Change Flow Adj from 1.00 to 0.95 (or as needed) for high rows**

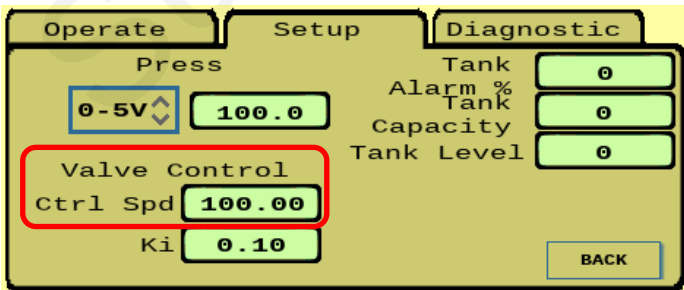
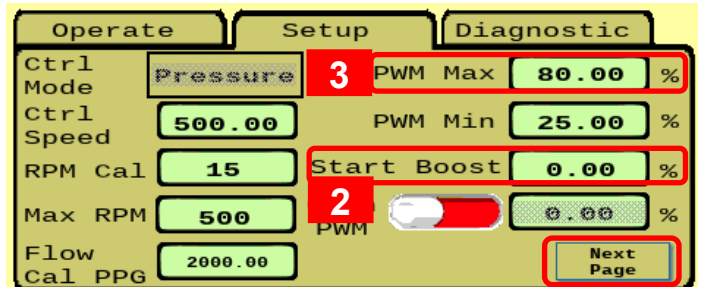
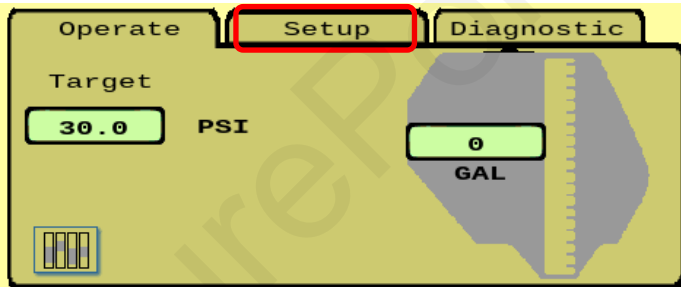
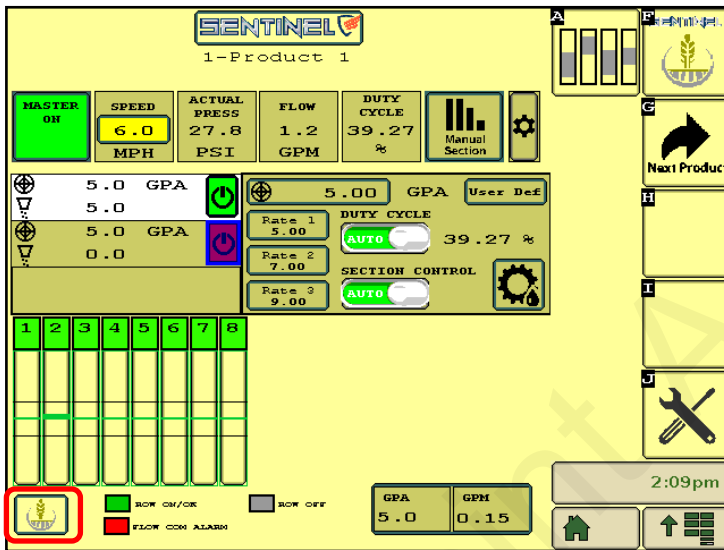


Note on Flow Cal on big flowmeter

1. Always verify flow cal with the actual product either with a catch test or by accurate measurement in the field (acres worked & gallons applied)
2. The flow cal normally does not need to be changed much, but it is possible that it may need to be changed significantly. **The important thing is that you get a Flow Cal that is verifiable, consistent, and repeatable.**
3. **Spot-On is a great tool to use for a catch test.**

Row Control - Getting quicker & smoother startup

1. Set **Valve Control Speed** at 100 or higher.
2. Set **Start Boost** at normal operating DC + 2%. This gives the pump just a little boost.
3. Set **PWM Max** at highest operating DC + 3%. This limits the surge on startup. Without this, the PWM DC can jump very high and then have to adjust down (and likely overshoot going down). With this the pump will have plenty of capacity to do what it needs to, but won't be able to surge way high when it starts or adjusts.



After setting Valve Control speed, press BACK, then go to OPERATE tab, then press BAR Graph in bottom left corner.

Auxiliary Settings Screen v 1.4.0

Default Settings

2630

Auxiliary Settings Screen		
WARNING: Do not change without consulting with SurePoint Ag!		
Rate/Target At Boom	<input checked="" type="checkbox"/>	
Rate/Target At Bin	<input type="checkbox"/>	
Rate/Target At Section	<input checked="" type="checkbox"/>	
Rate/Target At Row	<input type="checkbox"/>	
Bin Enabled	<input checked="" type="checkbox"/>	
Register As Sprayer	<input type="checkbox"/>	
Use Prod2 As Fan Control	<input type="checkbox"/>	
Use LS Conn For Press	<input type="checkbox"/>	
Simulate Flow (Demo)	<input type="checkbox"/>	
Turn Compensation X Axis	<input type="checkbox"/>	
Bus Update Interv.	<input type="text" value="1000"/>	MSEC

Auxiliary Settings Screen		
WARNING: Do not change without consulting with SurePoint Ag!		
Rate/Target At Boom	<input type="checkbox"/>	
Rate/Target At Bin	<input checked="" type="checkbox"/>	
Rate/Target At Section	<input type="checkbox"/>	
Rate/Target At Row	<input type="checkbox"/>	
Bin Enabled	<input checked="" type="checkbox"/>	
Register As Sprayer	<input type="checkbox"/>	
Use Prod2 As Fan Control	<input type="checkbox"/>	
Use LS Conn For Press	<input type="checkbox"/>	
Simulate Flow (Demo)	<input type="checkbox"/>	
Turn Compensation X Axis	<input type="checkbox"/>	
Bus Update Interv.	<input type="text" value="1000"/>	MSEC

Ag Leader InCommand & Pro 700

Pro 1200

Auxiliary Settings Screen		
WARNING: Do not change without consulting with SurePoint Ag!		
Rate/Target At Boom	<input checked="" type="checkbox"/>	
Rate/Target At Bin	<input type="checkbox"/>	
Rate/Target At Section	<input type="checkbox"/>	
Rate/Target At Row	<input type="checkbox"/>	
Bin Enabled	<input checked="" type="checkbox"/>	
Register As Sprayer	<input type="checkbox"/>	
Use Prod2 As Fan Control	<input type="checkbox"/>	
Use LS Conn For Press	<input type="checkbox"/>	
Simulate Flow (Demo)	<input type="checkbox"/>	
Turn Compensation X Axis	<input type="checkbox"/>	
Bus Update Interv.	<input type="text" value="1000"/>	MSEC

Auxiliary Settings Screen		
WARNING: Do not change without consulting with SurePoint Ag!		
Rate/Target At Boom	<input checked="" type="checkbox"/>	
Rate/Target At Bin	<input type="checkbox"/>	
Rate/Target At Section	<input checked="" type="checkbox"/>	
Rate/Target At Row	<input type="checkbox"/>	
Bin Enabled	<input checked="" type="checkbox"/>	
Register As Sprayer	<input checked="" type="checkbox"/>	
Use Prod2 As Fan Control	<input type="checkbox"/>	
Use LS Conn For Press	<input type="checkbox"/>	
Simulate Flow (Demo)	<input type="checkbox"/>	
Turn Compensation X Axis	<input type="checkbox"/>	
Bus Update Interv.	<input type="text" value="1000"/>	MSEC

*Rate/Target At Section -For the displays that will not map by section, this is not necessary and , if checked, may actually bog down the display.

*Bus Update Interval - If the display gets bogged down with too much BUS traffic, increase this number to 1500 or 2000.

REBOOT CONTROLLER

DEFAULT SETTINGS

Use these after a software update and anytime that the controller seems to be acting wacky.