

How to Set Up Viper 4 CANBUS and ISOBUS Product Control

The following article provides a basic walkthrough on setting up product control on a Viper 4. For more information on Viper 4 product control, refer to the ROS calibration and operation manuals on RavenHelp.com.

CANBUS Product Control

Speed Settings

First, configure the speed type and set the speed cal.



**Speed
Settings**

If you have multiple speed sources installed, a different speed cal can be set for each source. Only one speed source can be used at a time.



Product Control Settings

Navigate to the Product Control section.



**Product
Control**

Follow through the tabs at the top of the screen.

1. Configure the Product Type.

Liquid

The screenshot shows the 'Product Settings' interface for a 'Liquid' product. A vertical sidebar on the left contains three buttons labeled 'N01', 'N02', and 'N03'. The main area is titled 'Product Settings' and contains the following configuration items:

- Application Type:** A dropdown menu set to 'Liquid'.
- Tank Level (gal):** A numeric input field with the value '120'.
- Tank Capacity (gal):** A numeric input field with the value '120'.
- Rate Bump (gal/ac):** A numeric input field with the value '1.20'.
- Display Smoothing:** A checked checkbox.
- Ratio Rate:** An unchecked checkbox.

2. Configure the Valve Type and Valve Cal

Liquid / Granular

The screenshot shows the 'Valve Control' interface for 'Liquid / Granular' product types. A vertical sidebar on the left contains three buttons labeled 'P01', 'P02', and 'P03'. The main area is titled 'Valve Control' and contains the following configuration items:

- Valve Type:** A dropdown menu set to 'Standard'.
- Valve Cal:** A numeric input field with the value '2123' and a refresh icon.
- Valve Cal 2:** A numeric input field with the value '0'.
- Valve Delay:** A numeric input field with the value '0' and the unit 'sec.'.

3. Configure the Calibration Values.

Liquid

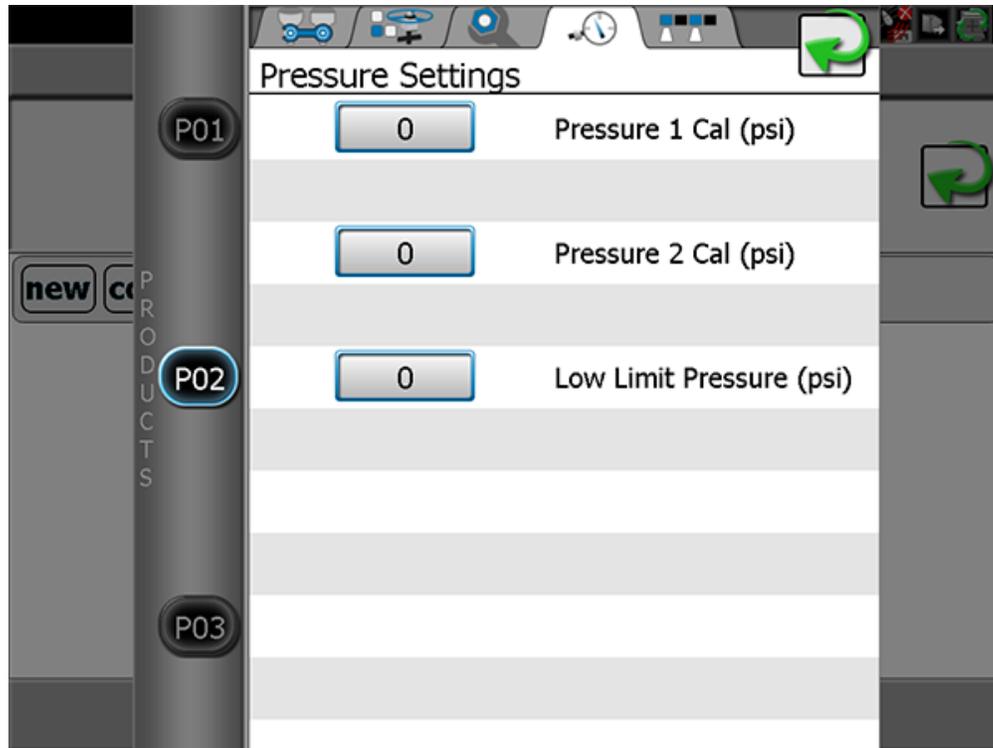
Product Calibration	
Meter Cal	700
Pump Cal	0
Pump RPM	0
Tier 1 Max gal	0
Tier 2 Max gal	0
Tier Disable %	10

Injection

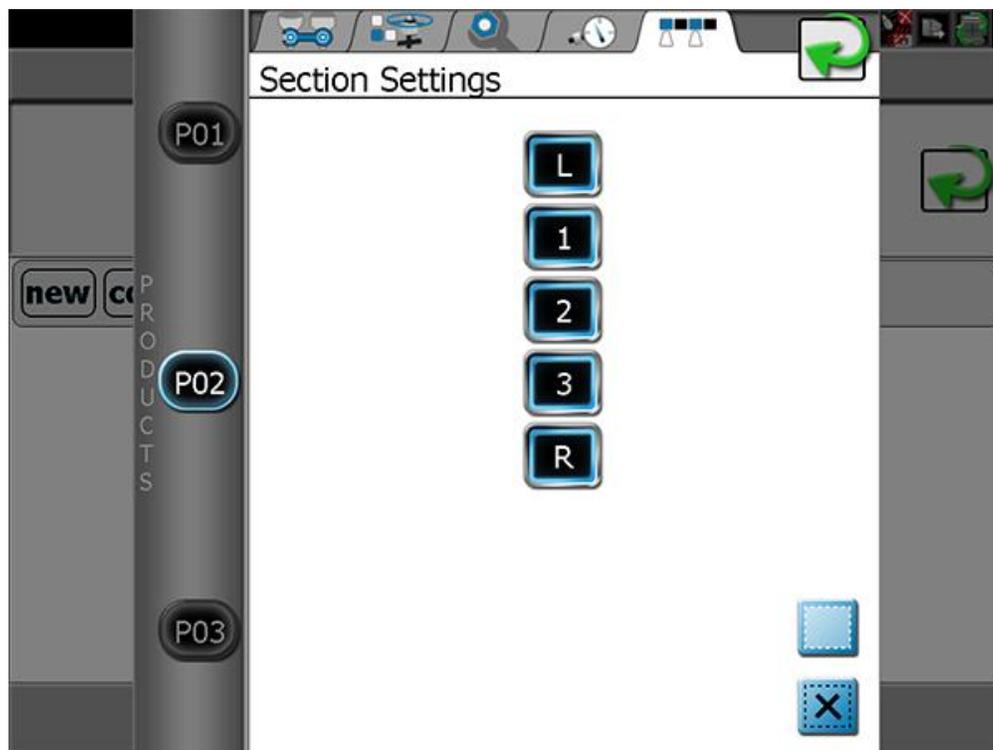
Injection	
Pump Type	<input type="radio"/> Low Volume <input checked="" type="radio"/> High Volume
Meter Cal	110
Motor Cal	123
Motor Cal 2	5054

Injection Calibration	
Calibrate Pump	
Prime Pump	
Diagnostics	
Status:	
Solution:	
Injection Pressure (psi)	167.00
Flow/Encoder Ratio	98.5
Motor RPM	574
Voltage	12.8
PWM Percent	20.6
Node Temperature (°F)	95.3
Application Runtime	3.3

4. Configure the Pressure Settings (If Applicable).



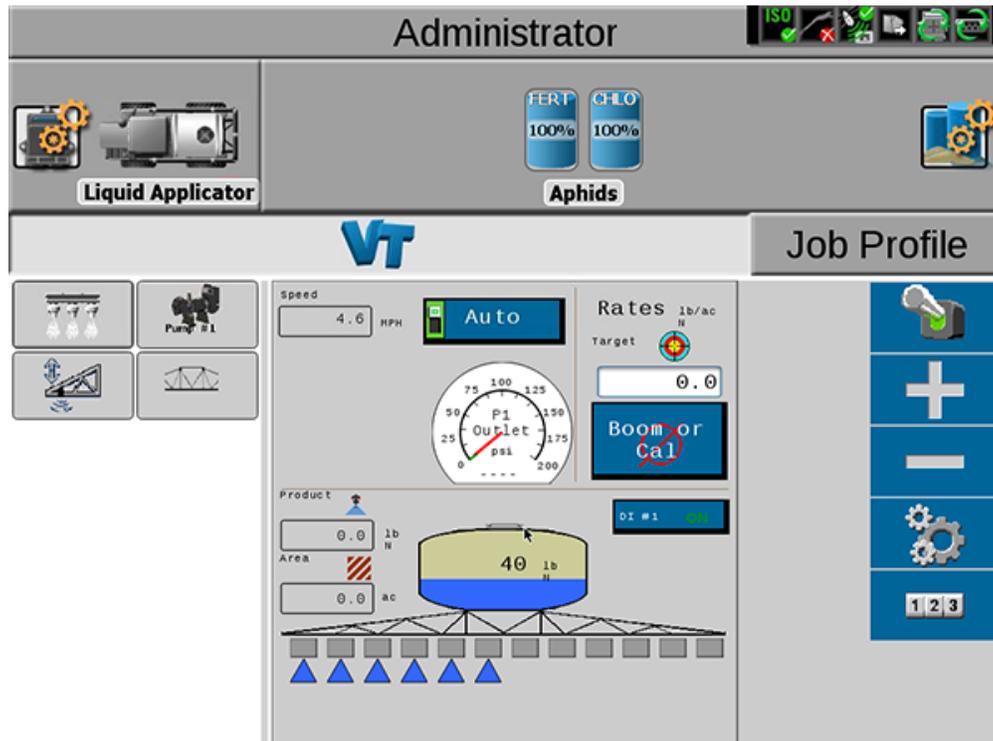
5. Enable the Sections for the Product.



ISOBUS Product Control

For Hawkeye Nozzle Control setup, refer to [this knowledge article](#).

Navigate to the VT panel.



From here, go into the Tools menu.



1. Configure the Equipment Setup.



Set the type of applicator you are using, then proceed through the section setup wizard.

2. Configure Product Control.



Set the control type (liquid, granular, etc.), valve type, and then enter all applicable calibration values (Valve Cal, Meter Cal, etc.).