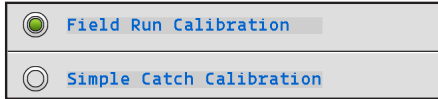


Flow Meter Calibration

1. Select the "Flow Calibration" screen by pressing the Configuration icon. Press the Flow Cal icon.



2. For the calibration method, choose between Field Run Calibration or Simple Catch Calibration.



Field Run Calibration must be performed during normal field work. **If NH3 is selected for either product, only Field Run Calibration is allowed.**

Simple Catch Calibration is performed while the tractor is stationary. A container is placed at the application point. The system applies a small amount of product to calibrate.

3. Press the play icon to begin the calibration process.



4. Stop application.

5. For **Field Run Calibration**, subtract the current number of gallons from the number of gallons prior to application.

For **Simple Catch Calibration**, measure/weigh the product that was caught during the application.

6. Enter the applied amount in gallons in the Actual Amount line. Accept the updated value with by pressing the ✓ or press the ✗ to return to calibration start screen without updating the Meter Cal Value.

→ See the Liquid Fertilizer Operation Manual or Sprayer Operation Manual for more details on Flow Meter Calibration.

Raven Flow Meter Calculations Liq Fert & Sprayer

$$1750 \text{ (flow meter tag)} \div 10 \text{ (pulses/10 gallons)} = 175$$

175 is your flow meter calibration number. Enter this number into the Meter Cal on your display.

Raven Flow Meter Calculations - NH3

$$170 \text{ (flow meter tag)} \div 10 \text{ (Raven pulses/unit)} = 17$$

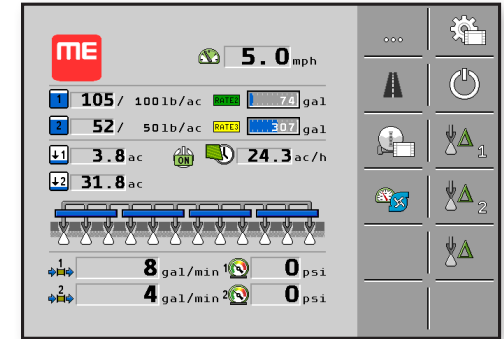
$$17 \text{ (pulses/NH3)} \times 0.82 \text{ (lbs. of N)} = 13.94 \text{ (pulses/N)}$$

$$13.94 \times 5.2 \text{ (NH3 density per Raven)} = 72.488$$

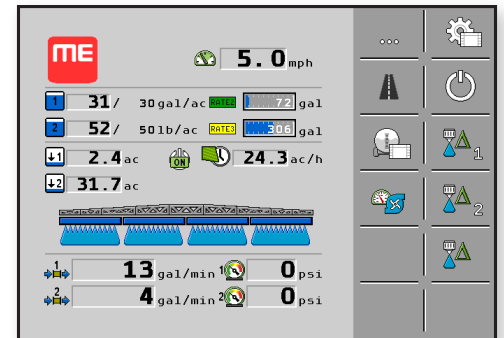
Rounding to the nearest tenth, 72.5 is your flow meter calibration number. Enter this number into the Meter Cal on your display.

Icon	Function
	Master Switch - Turns the system ON/OFF.
	Rate 1 Control Selection - This softkey accesses Product 1 rate control options and includes product shutoff.
	Rate 2 Control Selection - This softkey accesses Product 2 rate control options and includes product shutoff.
	Rate Control Selection - Selects control for both Product 1 and 2 for Delta Rate and Manual Rate Control options for both products at once.
	Rate Decrease - Decreases the rate with every button push by the preset amount which was determined and set during the configuration setup.
	Rate Increase - Increases the rate with every button push by the preset amount which was determined and set during the configuration setup.
	Automatic Mode - Returns rate to selected Target Rate.
	Auto/Manual - Puts the system in manual mode. Press the rate increase or rate decrease icons to manually open or close the valve. Press the icon again to return to Automatic Mode.
	Rate Selection - Switches between Rate 1, Rate 2, and Rate 3. A visual indication of the chosen rate will appear on the Tank & Rate Display section.
	Product Shut-Off - Pressing this icon will shut-off the product. The actual rate will turn grey and read zero.
	Boost Pump - Pressing this icon initiates the boost pump. See the Configuration 2/4 screen to setup.
	Open or close valves if you have 4 or less sections.
	Turns sections ON/OFF sequentially.

Liquid ECU Quick Reference Guide



Liquid Fertilizer & Ammonia Display Screen



Sprayer Display Screen

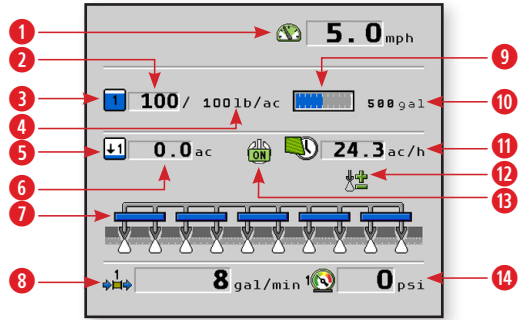
Last Update: 11/8/2017
SW Version Liquid v.01.00.03.00



ME0112000-01-QR

Run Screen

You can recognize the ISOBUS ECU existence on your display by the Implement icon on the display. Press the icon to launch the ISOBUS Liquid Control System.



1	Speed Indicator	8	Flow Meter Rate
2	Actual Rate	9	Tank Fill Level
3	Control Channel Indicator	10	Tank Level
4	Target Rate	11	Performance in Area/Hour
5	Tank Number Indicator	12	Rate Adjustment Indicator
6	Area remaining based on tank level	13	Master ON/OFF Indicator
7	Section Status	14	Pressure Sensor

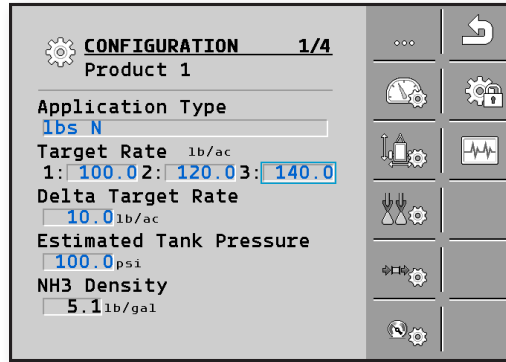
Section States

The sections can be in four states. You can see the state of a section on the Run Screen in the implement display area.

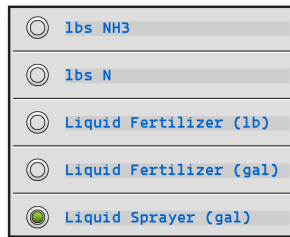
Display	Section State
	Section is switched off.
	Section is manually switched off while the SECTION-Control application is working in automatic mode. As long as SECTION-Control is working in automatic mode, this section cannot be switched on or off automatically.
	Section is preselected. Section is ready for application. Section is in Overlap
	Section is preselected and the main section switch is switched on. Section is applying.

Implement Configuration

1. Press the Settings icon on the Run Screen.
2. Enter the desired Target Rate, Delta Target Rate, Tank Pressure, Application Type & Density.

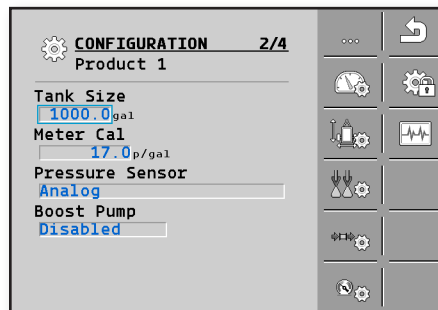


If either **lbs. of NH3** or **lbs. of N** are selected, enter the Ammonia Tank Pressure. This will change the Density being used for rate control. If **Liquid Fertilizer** is selected enter the Fertilizer Density.

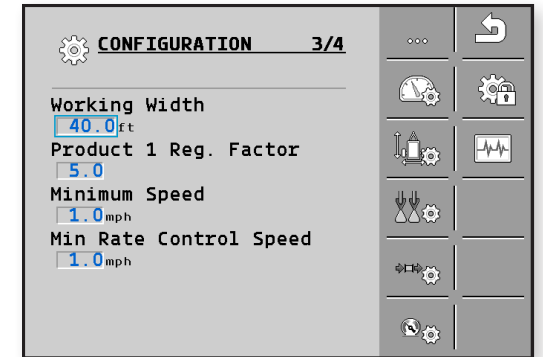


Application Type options

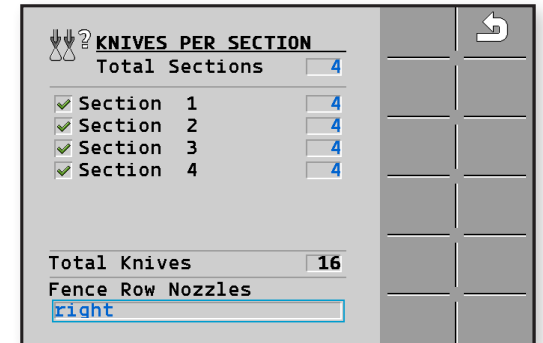
3. Press the 3 dots icon to go the the Configuration 2/4 page. Enter the Tank Size, Meter Calibration, Pressure Sensor & Boost Pump.



3. Press the 3 dots icon to go the the Configuration 3/4 page. Enter the Working Width, Reg. Factor and Minimum Speed.



4. Press the Sections settings. Enter the number of sections and number of knives per section.



5. Press the back arrow & the Geometry settings icon. Enter the Rear offset from the hitch pin to the ground contact point and the forward/back offset for each section from the ground contact point. Press arrows to change the section number.

