

Anhydrous calibration



WARNING – NH_3 is an irritant and corrosive to the skin, eyes, respiratory tract and mucous membranes, and is dangerous if not handled properly. It may cause severe burns to the eyes, lungs, and skin. Skin, and respiratory-related diseases could be aggravated by exposure. It is recommended that protective gloves, boots, slicker and/or pants and jacket, and chemical-splash goggles that are impervious to anhydrous ammonia are worn at all times.

Calibrating the implement lift switch

1. From the *Field-IQ Calibration* screen, select the Implement Lift option.
2. Raise the implement and then tap **Next**.
3. Lower the implement and then tap **Next**.
4. Tap **OK** to return to the *Field-IQ Calibration* screen.

Calibrating the modules



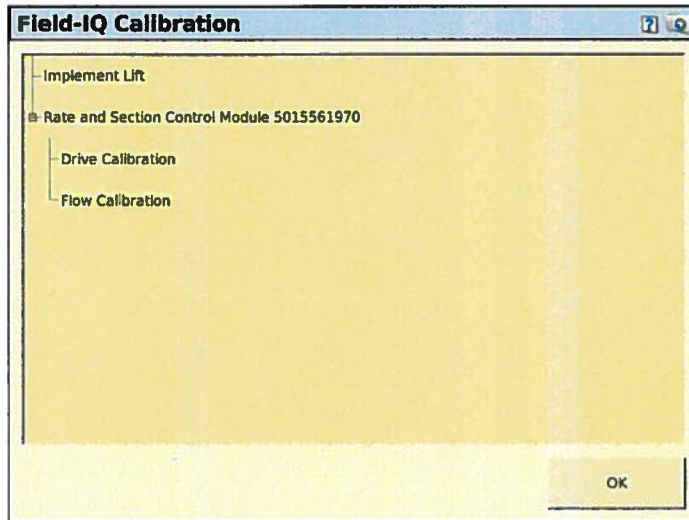
WARNING – The anhydrous valve calibration requires the vehicle and implement to be moving and the implement must be in the ground (the implement lift switch must be down). Take all necessary precautions to ensure user safety. Failure to do so may result in serious injury or death.

Calibrate the modules to ensure that your system performs at the level you require.

The *Field-IQ Calibrate* option only appears on the *Configuration* screen if you have at least one *Field-IQ Rawson control module* or *Rate control module* set up to control the rate.

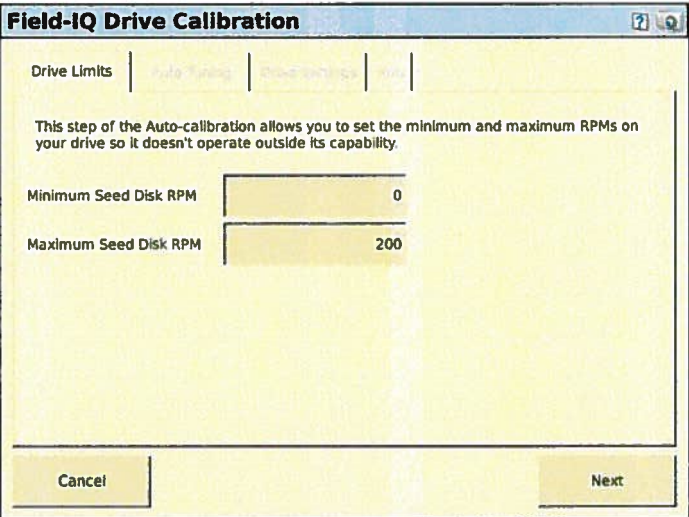
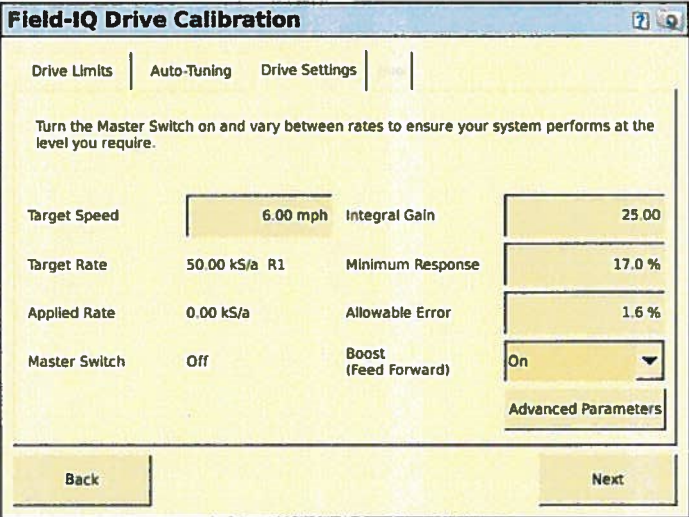
1. From the *Configuration* screen, select the *Field-IQ plugin* and then tap **Calibrate**.
2. From the *Field-IQ Calibration* screen, select the operation under the *Module* that you would like to calibrate. The message **Not calibrated** appears at the end of the modules that need calibration.

Note – If you have an implement lift switch, calibrate it first. See above.



3. Select *Drive Calibration* and then tap **OK**. The *Drive Calibration* screen appears.

The *Drive Calibration* screen has the following tabs:

Tab	Description
Drive Limits	<p>Enter the minimum and maximum flow values:</p> 
Drive Settings	<p>Turn the master switch on and vary the rates. Adjust values if needed:</p> 
Info	Shows the results and drive limits of your calibration.

Enter the following values:

- *Allowable Error*
- *Gain*
- *Minimum Response*

Note – For information about the appropriate values for your sprayer, refer to the support note *Field-IQ crop Input Control System: For Sprayers and Spreaders*.

4. Select *Flow Calibration* and then tap **OK**. The *Flow Calibration* screen appears.
5. In the *Rate and Section Control Flow Calibration* screen, enter the *Flow Meter* type, the *Flow Meter Calibration*, and the *Minimum Flow*:


The screenshot shows a software interface titled "Rate and Section Control Flow Calibration". It features three input fields on a yellow background:

- Flow Meter Type:** A dropdown menu currently set to "Haver".
- Flowmeter Calibration:** A text input field containing the value "700.00 pu/gal".
- Min Flow:** A text input field containing the value "0.5 gal/min".

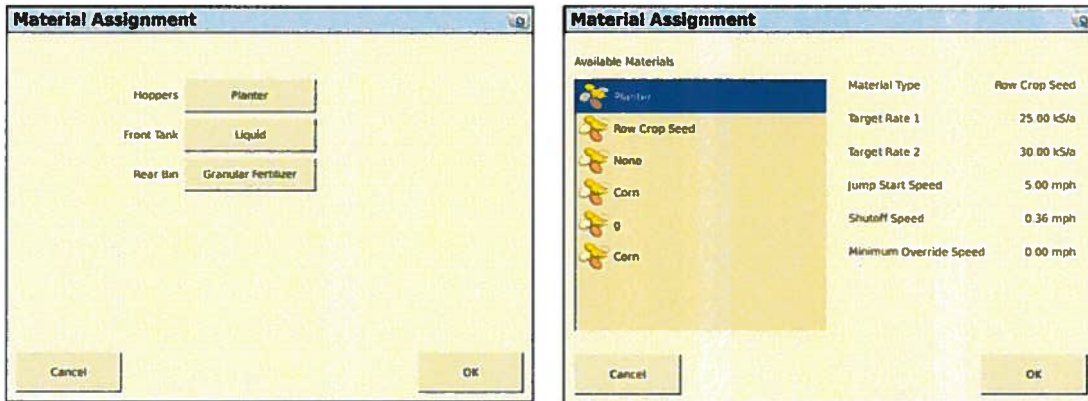
At the bottom of the screen, there are three buttons: "Cancel" on the left, "Run Calibration" in the center, and "OK" on the right.

6. Tap **Run Calibration** and then follow the on-screen instructions.

Operating in the field

1. From the Home screen, tap .
2. From the *Current Configurations* screen, configure the display/vehicle/ implement settings and then tap **OK**.
3. From the *Field Selection* screen, select the required client/farm/field/event settings and then tap **OK**.

Material Assignment screen

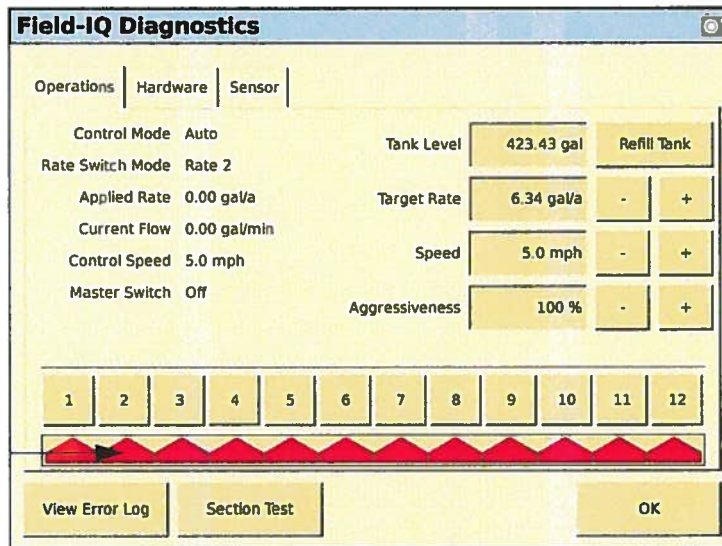


Use the **Material Assignment** option to quickly and easily change materials. The Location Name you set up appears (for example, Hoppers) and the button shows the current Material Name.

Tap the button to see a list of the same type of materials—to change the material type, select the required material from the list, and then tap **OK**.

Using the Diagnostics tab

1. Select the *Field-IQ plugin* tab and then tap **Diagnostics**. The following screen appears:

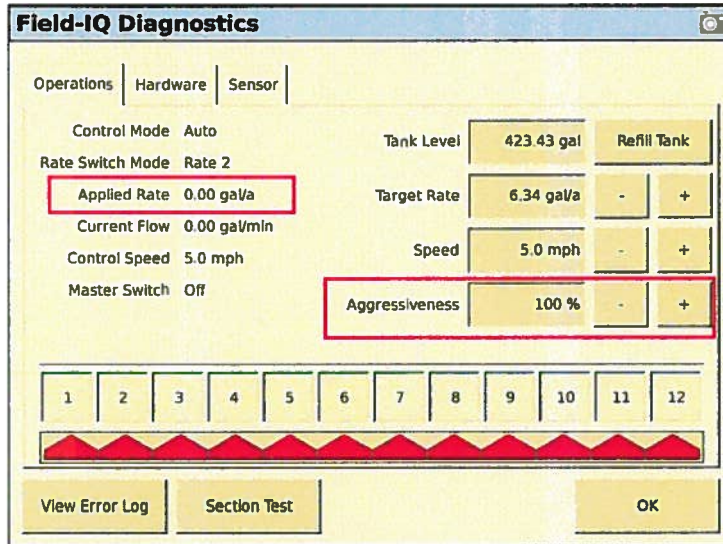


2. To enable the sections, tap the numbered section tabs above each of the section icons.
3. The *Operations* tab displays the current status of:
 - Control Mode (Auto or Manual)
 - Rate Switch Mode (Manual, Rate 1, or Rate 2)
 - Master Switch (Off, On, or Jump Start)

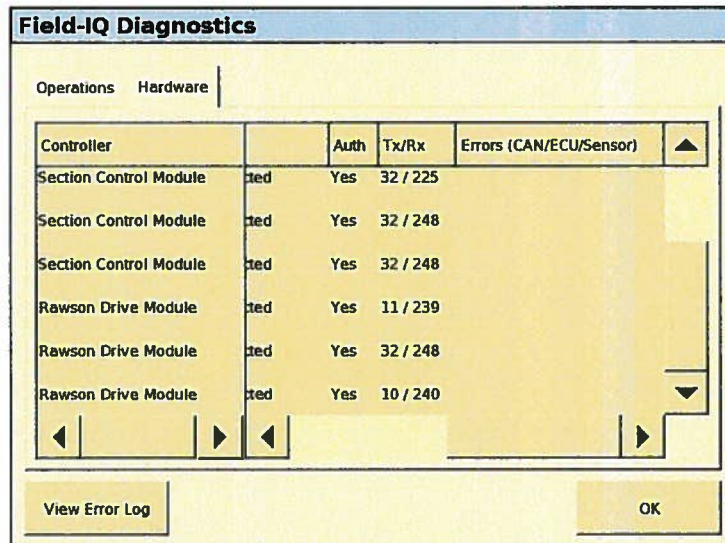
This screen also enables you to manually enter values for:

- *Tank Level*: Enter a new value or select Refill Tank.
- *Target Rate*: The required rate for the rate switch. Decrease or increase.
- *Speed*: Decrease or increase.
- *Switches*: If you are using the optional Field-IQ individual section switch box, this screen indicates which switches have been assigned to each section. To test this, flip each switch in the section switch box. The section it is assigned to appears gray.
- **View Error Log**: Shows all the errors that have occurred since the error log was cleared.
- **Section Test**: The system begins a sequence of engaging each section and groups of sections.

- Operate the sprayer, and check the value shown for the *Applied Rate*. If necessary, adjust the *Aggressiveness* setting to achieve the desired rate.



The *Hardware* tab displays the connected Field-IQ CAN modules and the following attributes:



- Serial number
- Position on the implement
- Firmware version
- Status of CAN connection
- Tx/Rx number of packets

