

396-3260Y1 SureFire Commander II / NH3 Quick Setup

When turning the Commander II on, after a couple of numbers come up, it should show rP G (software version). (The G looks a little strange. If it shows rP F, these instructions will not work.)

Turn the controller off and hold down the AUTO/MAN and CAL button while you turn it on. The screen should show SPEC for Special Calibration mode. There should be a small "1" on the screen. If there is a "2" or "3", press CAL until there is a small "1".

Turn the dial to AREA. Press the + button until the screen shows nh3-E. Turn the dial to Volume and press and hold the CAL button until the red light goes out.

Press and hold the CAL button to go into CAL mode. The red light should come on.

With the dial on VOLUME (FLOW CAL) it should show 72 pulses/gallon.

Turn the dial to AREA (WIDTH CAL). Turn on Boom 1 switch and use the + or – buttons to enter the width of Section 1 (in inches) or the width of the entire implement if it will not be divided into sections for application.

If you have 2 sections, turn off Boom 1 switch, turn on Boom 2 switch, and enter the width of Section 2. If using Section 3, do the same procedure to set the width of Section 3.

The default Target Rate is 100 lb N per acre. If you want to enter a different Target Rate, turn the dial to RATE (TARGET RATE) and enter the Target Rate here.

The default delta application rate is 10 lb N per acre.

Adjust these numbers in CAL mode as needed for a particular application.

Press and hold the CAL button until the red light goes out to save the values entered.

Target Rate may also be adjusted from the main run screen. Set dial to Rate, press (-) or (+) button to decrease or increase target rate.

On the Commander II, the following units are used:

Volume (total) is in lbs. of NH3.

Volume per Minute is lbs. of NH3.

Tank volume is in lbs. of NH3.

Target Rate is lbs. of N per acre (default is 100 lbs N per acre).

Adjust Rate is lbs. of N per acre (default is 10 lbs N per acre).

Before opening the nurse tank valve use the following steps to verify that the Master On/Off valve and Control Valve are working correctly:

Test the system in **MANUAL mode**.

1. Be sure the nurse tank valve is closed so anhydrous will not be released.
2. Push the AUTO/MAN button until **MAN** is displayed on the Commander II. You are now in Manual mode.
3. Put the system in **RUN**. Turn the console switch to RUN and lower the implement if using a mercury Run/Hold Switch. When HOLD is not displayed on the screen the system is in RUN.
4. Turn **Section 1 switch ON**. The Master On/Off valve should turn on. Section 1 valve (if so equipped) should open. Test Section 2 and Section 3 if equipped with these. Verify that Master On/Off valve closes when system is put in Hold or when all sections are shut off.
5. Verify operation of Control Valve. Press and hold Up arrow (+). Control valve should open. Press and hold Down arrow (-). Control valve should close.

All personnel operating or working on anhydrous ammonia systems must have appropriate education and training in safe anhydrous ammonia handling procedures.

Be sure that an adequate supply of water is nearby at all times in the event of an accidental exposure to ammonia. Wear appropriate protective gear. Stay upwind.