Trouble shooting

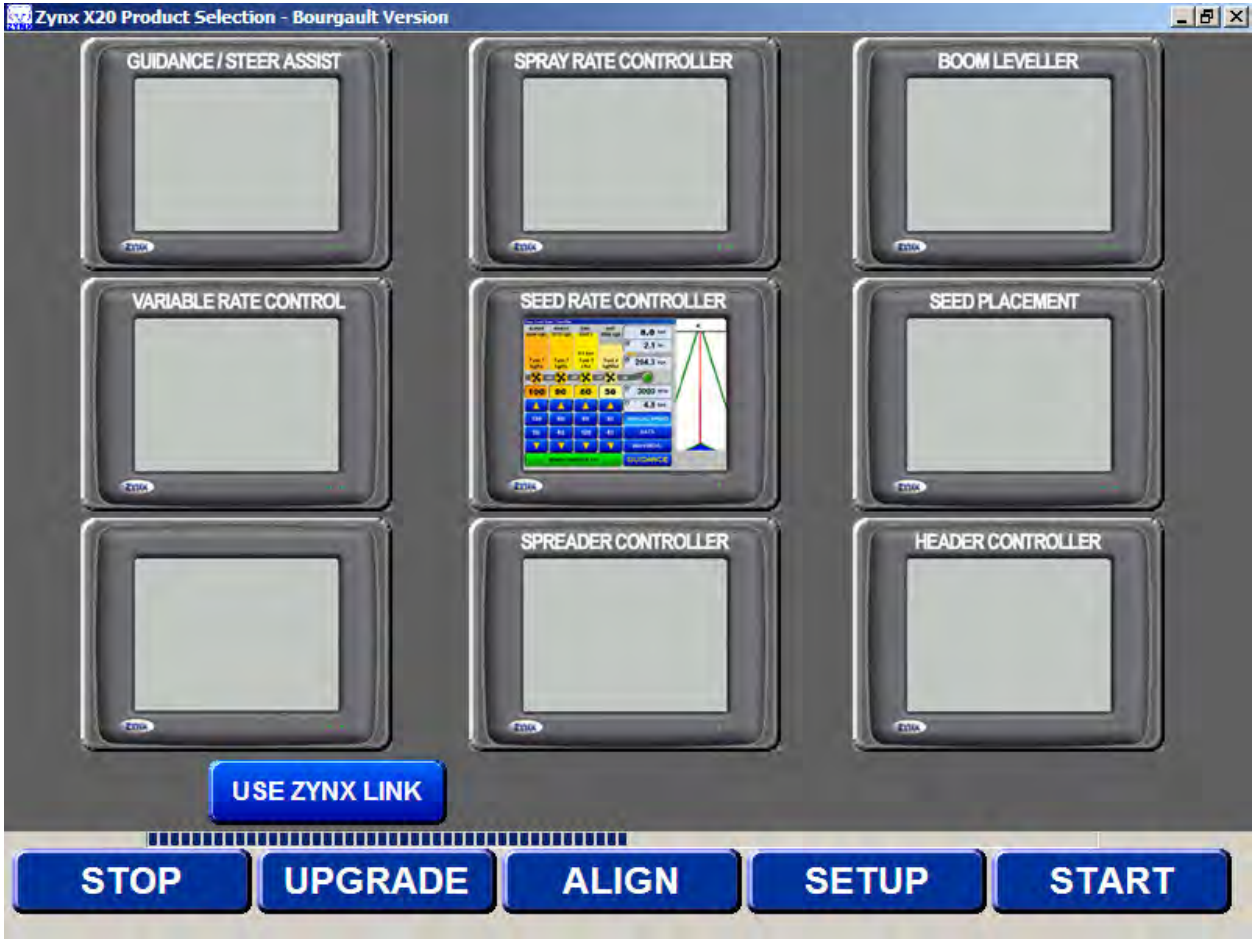
(NH3 / Liquid control)

The following pages will give a basic overview of the steps that are required trouble-shoot NH3 and/or Liquid control with the X20.

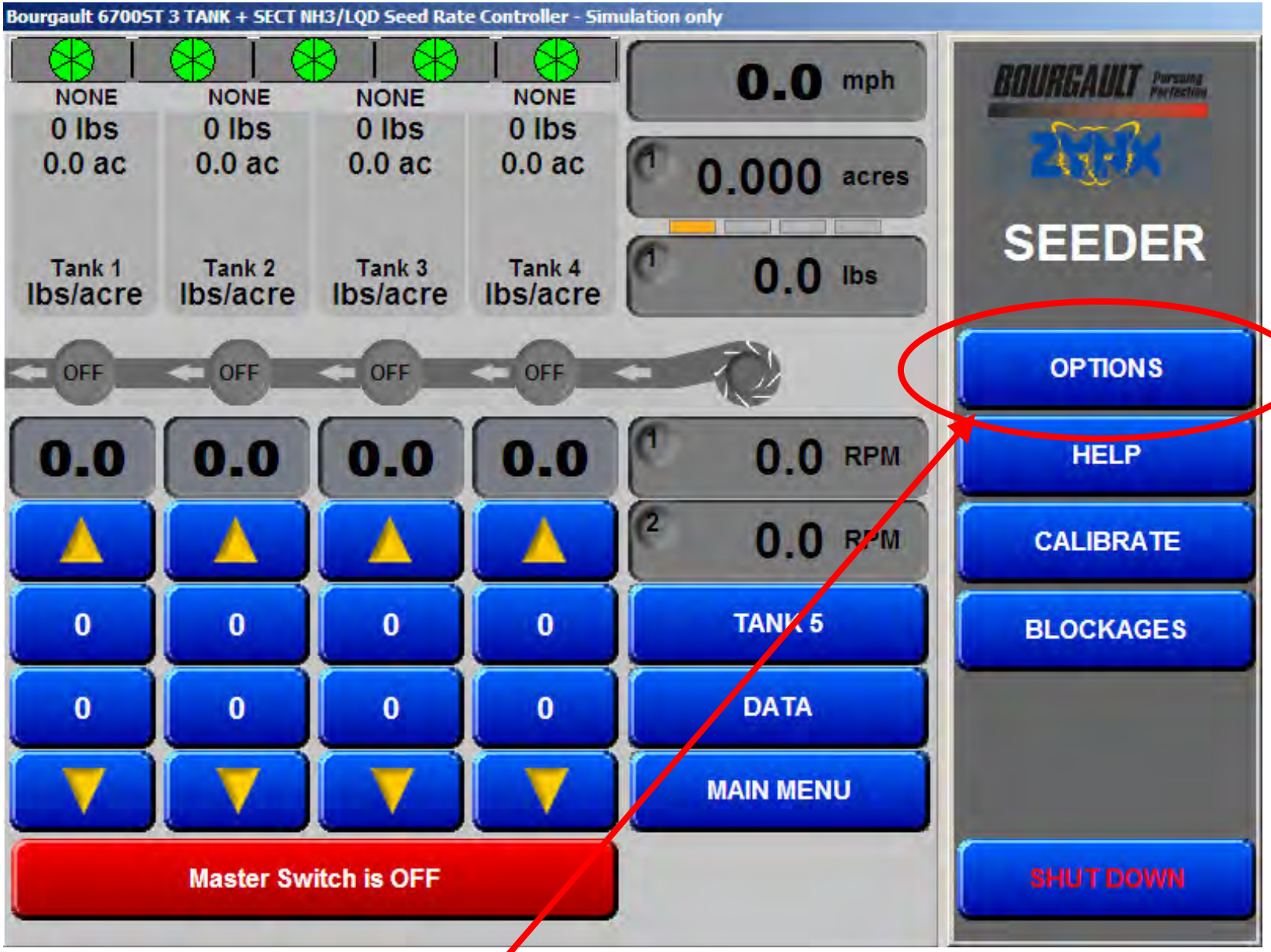
This procedure is for units with a 30S ECU

30S ECU

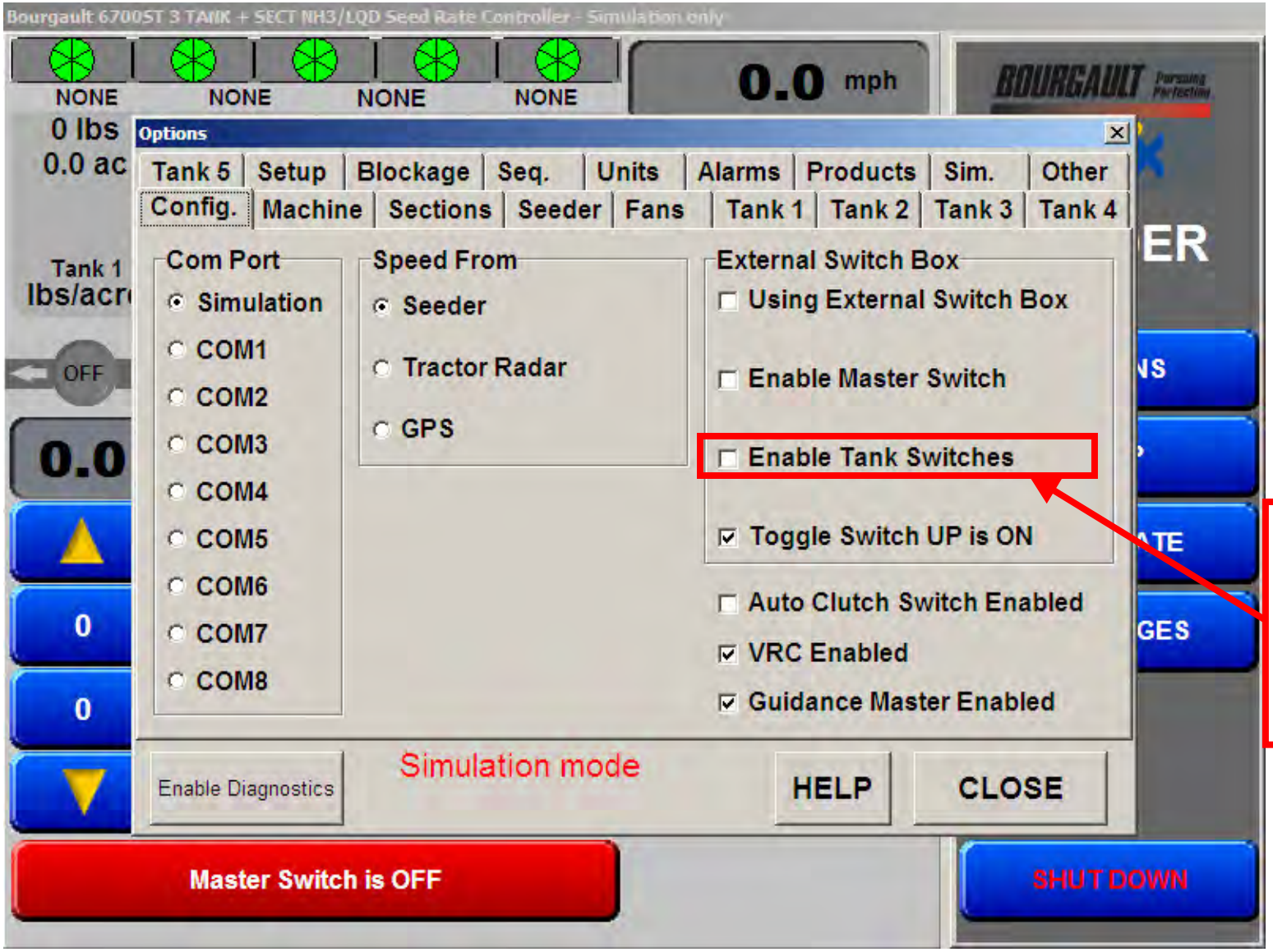
SRC Initial Set up



The X20 can run various programs. If you press STOP in the lower left corner you will have time to select the desired program before it auto starts.



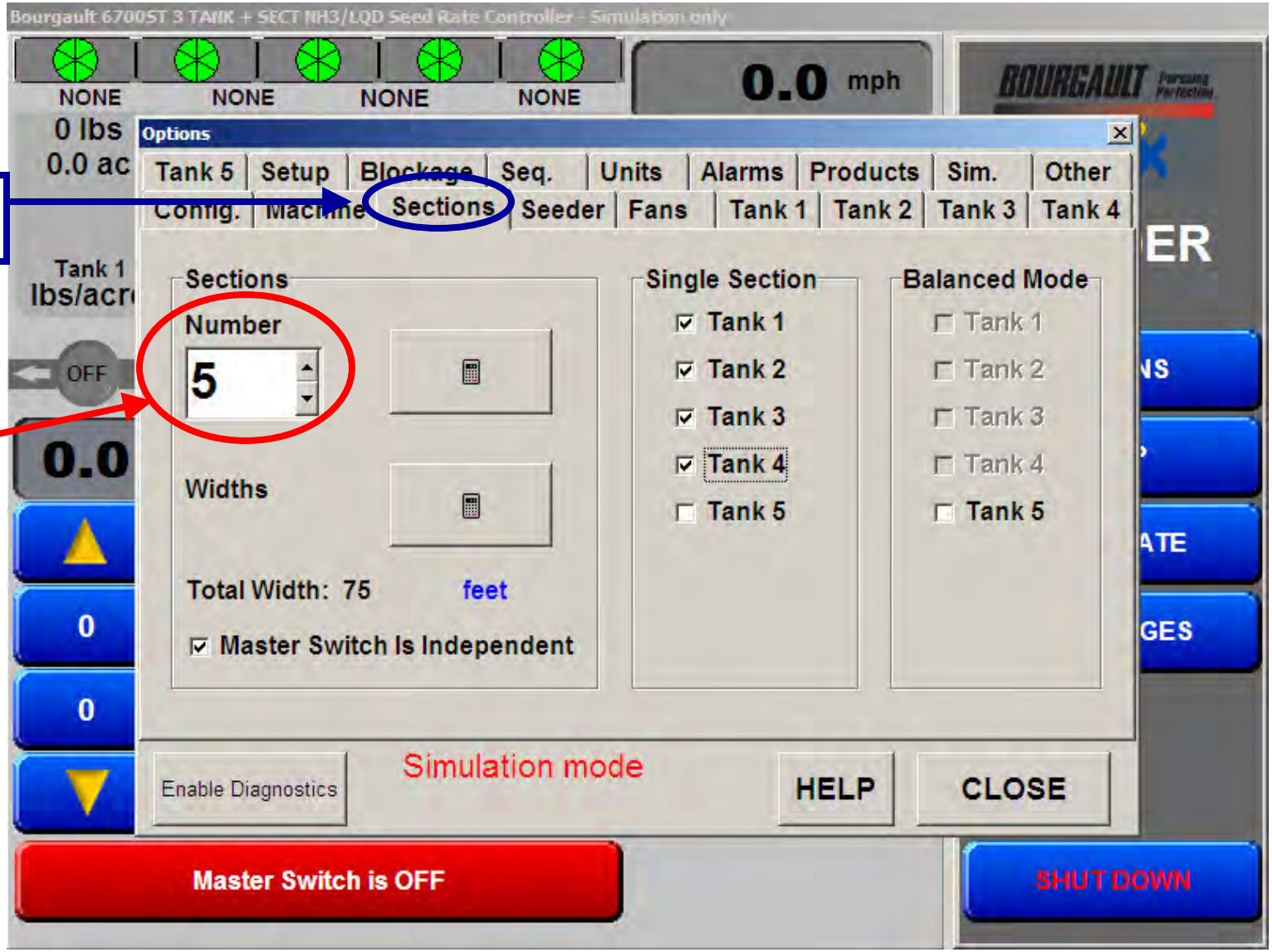
Above is the basic SRC operating screen. Touch the blue OPTIONS tab to enter the set up pages.



The external switch box has only 4 tank switches so this can only be selected if the Bourgault Air Seeder is metering out of 4 or less tanks. (NH3 / Liquid is Tank 5)

Next is the Sections tab.

Only enter a Value here if using sectional control. If not using section control enter "0"

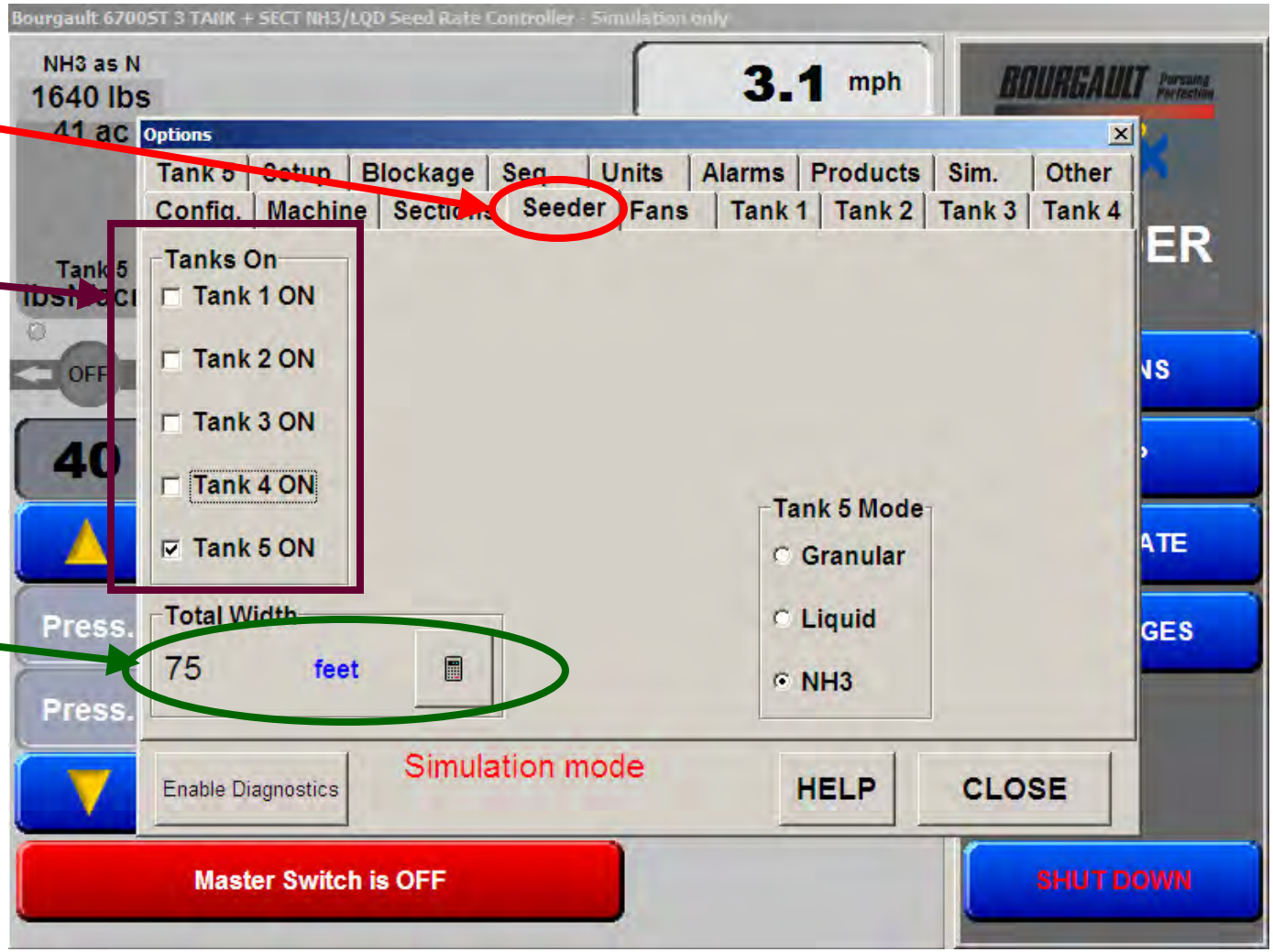


SRC Initial Set up

Next select the Seeder tab.

Turns tanks on and off when not in use.

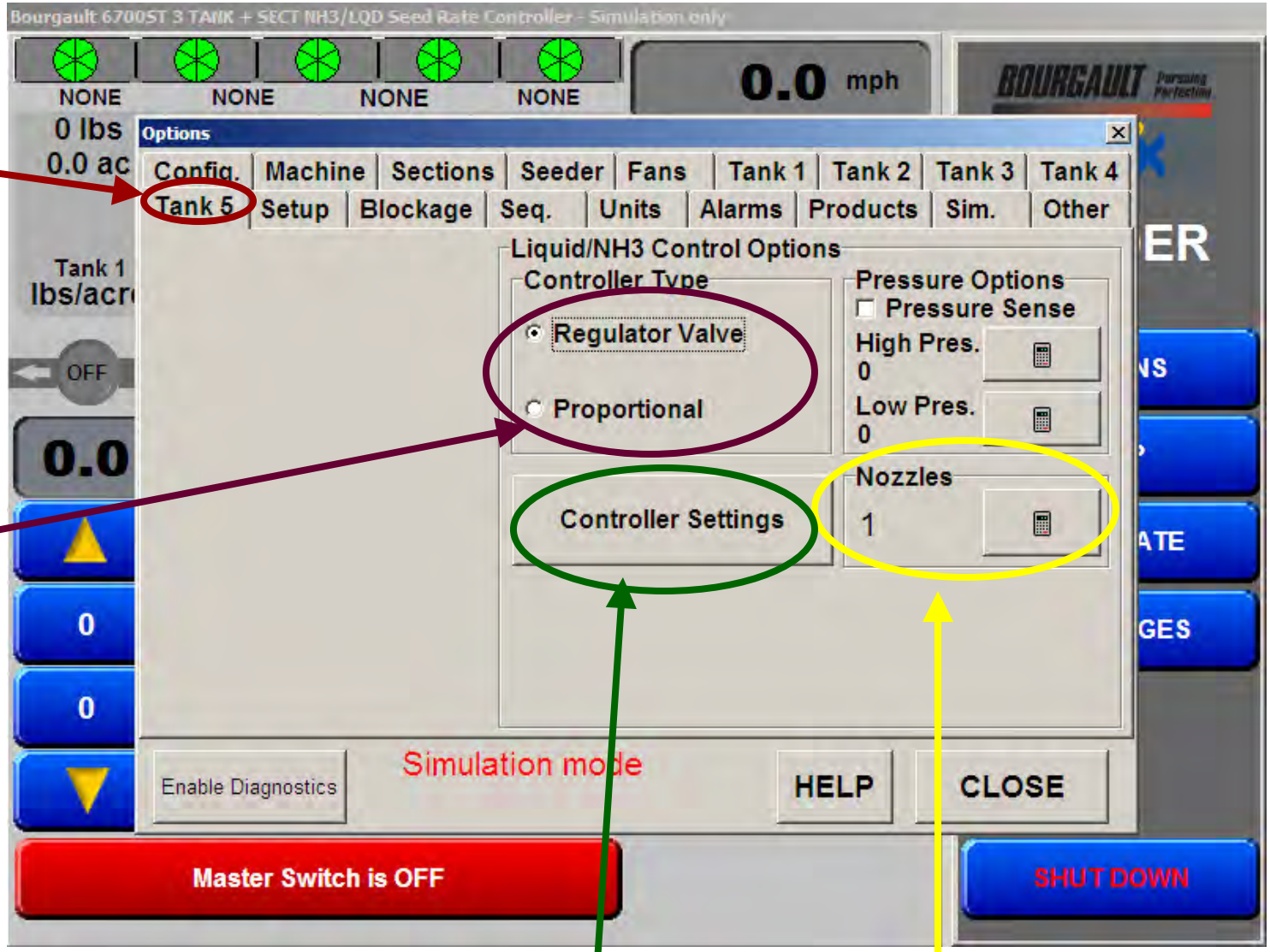
Enter width here if not using sectional control



To run only the NH3 / Liquid turn granular tanks off.

Next select the NH3 / Liquid tank if applicable.

Select the controller type. Regulator is an electrical valve to control the flow of the product and a Proportional valve controls the hydraulic flow to the motor.



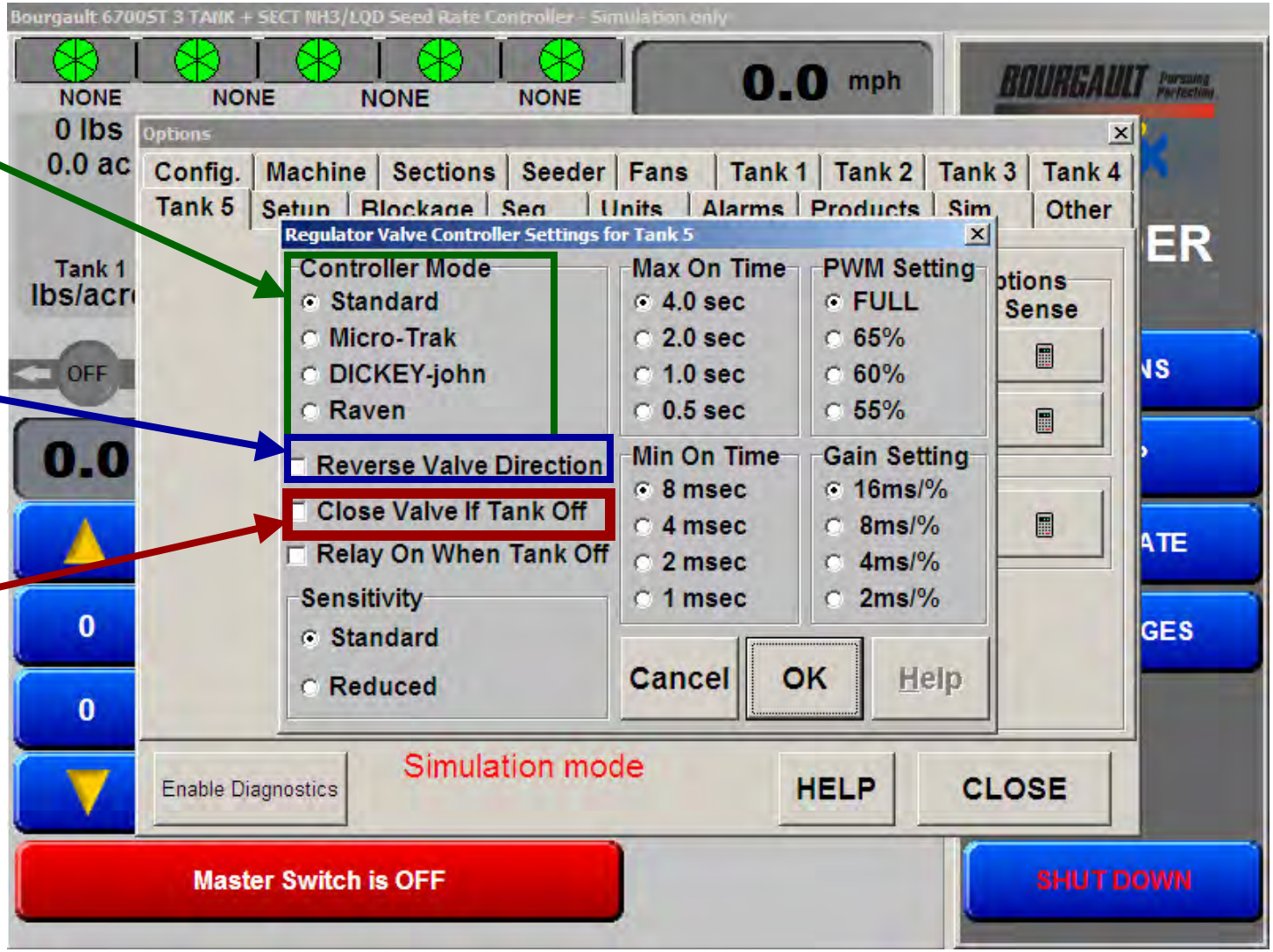
Press the Controller Settings tab

Enter 1 for # of Nozzles

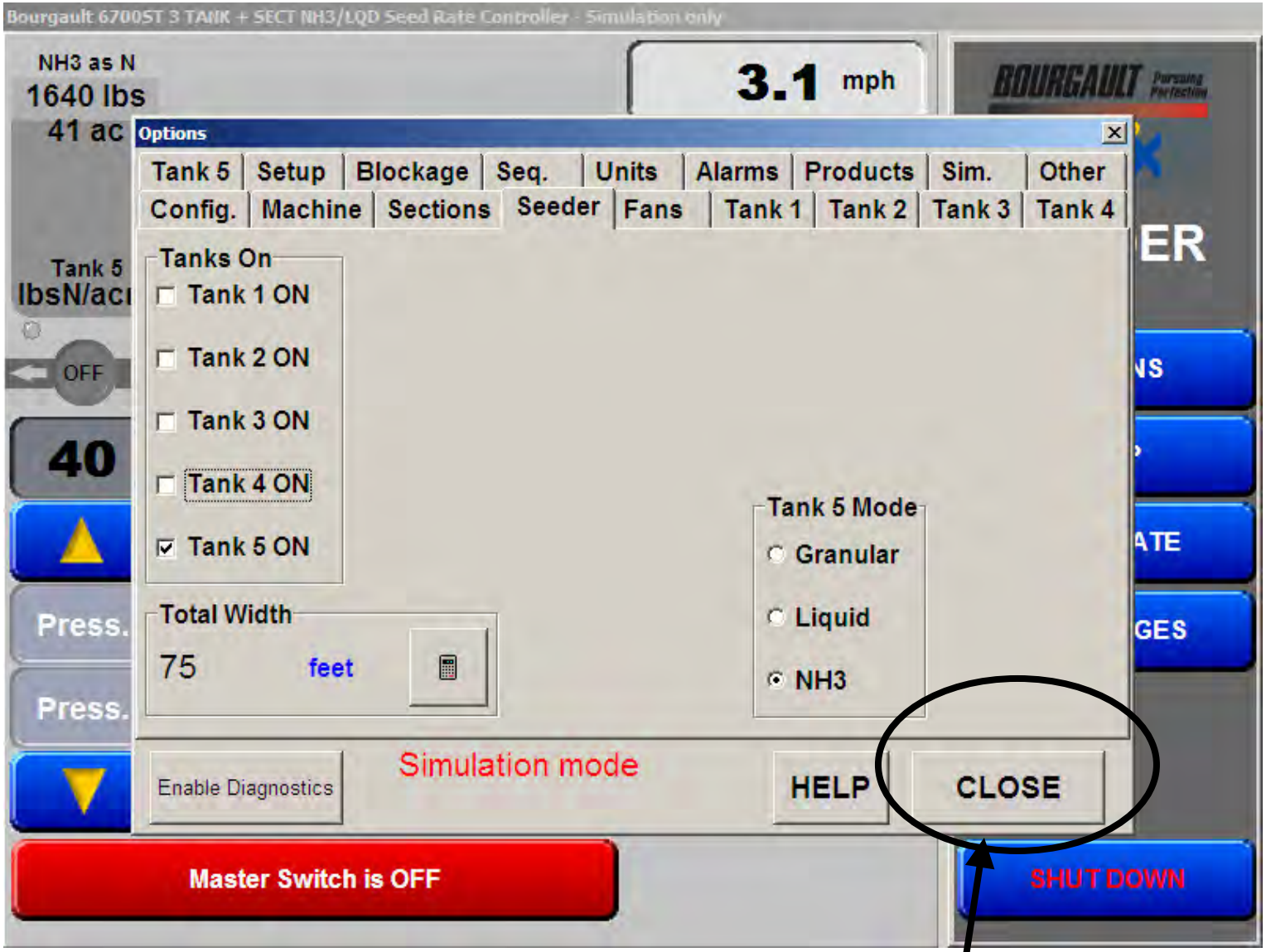
Select type of NH3/Liquid system

If the regulator valve is running the wrong direction you may reverse the polarity here.

This option is for Fast Valves or single NH3 only!! DO NOT CHECK for two valve systems!



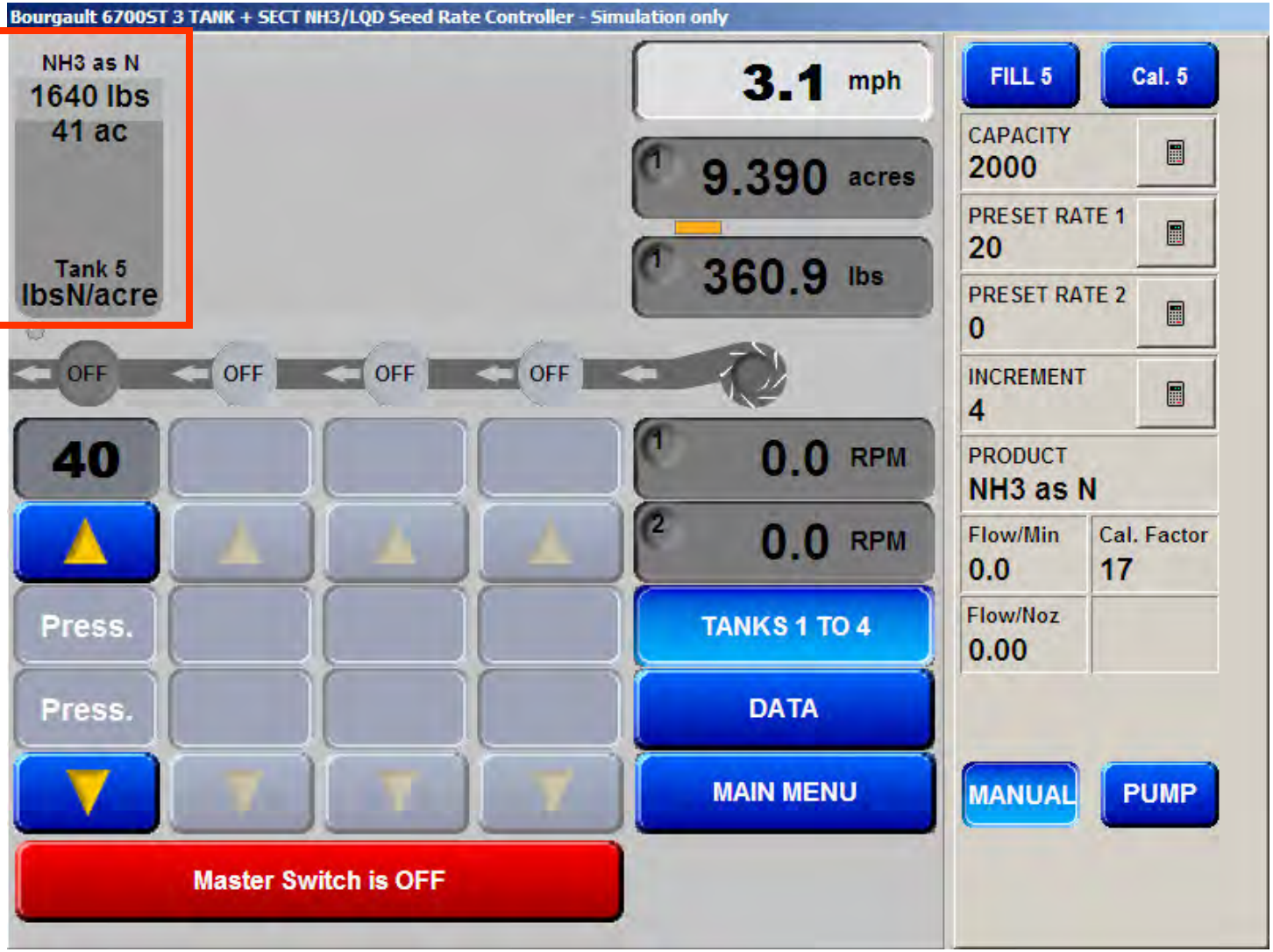
Leave Sensitivity, Max on time, Min on time, PWM settings and Gain settings at factory defaults unless advised by authorized technician!

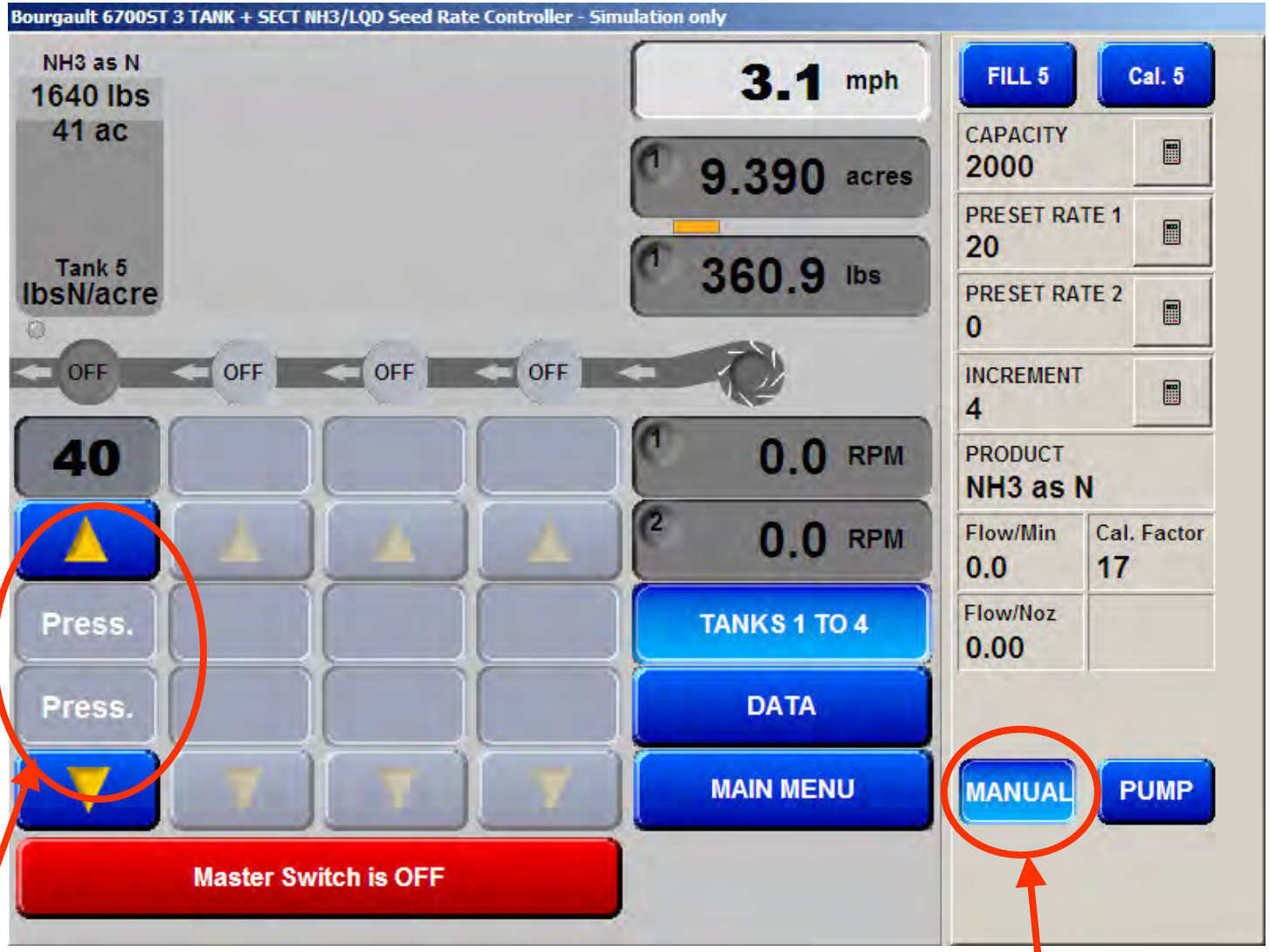


Press Close to get back to main page

You must enter a manual speed to simulate movement, <u>also remember to close the tank valve!</u>

Press here to access the right-hand menu.



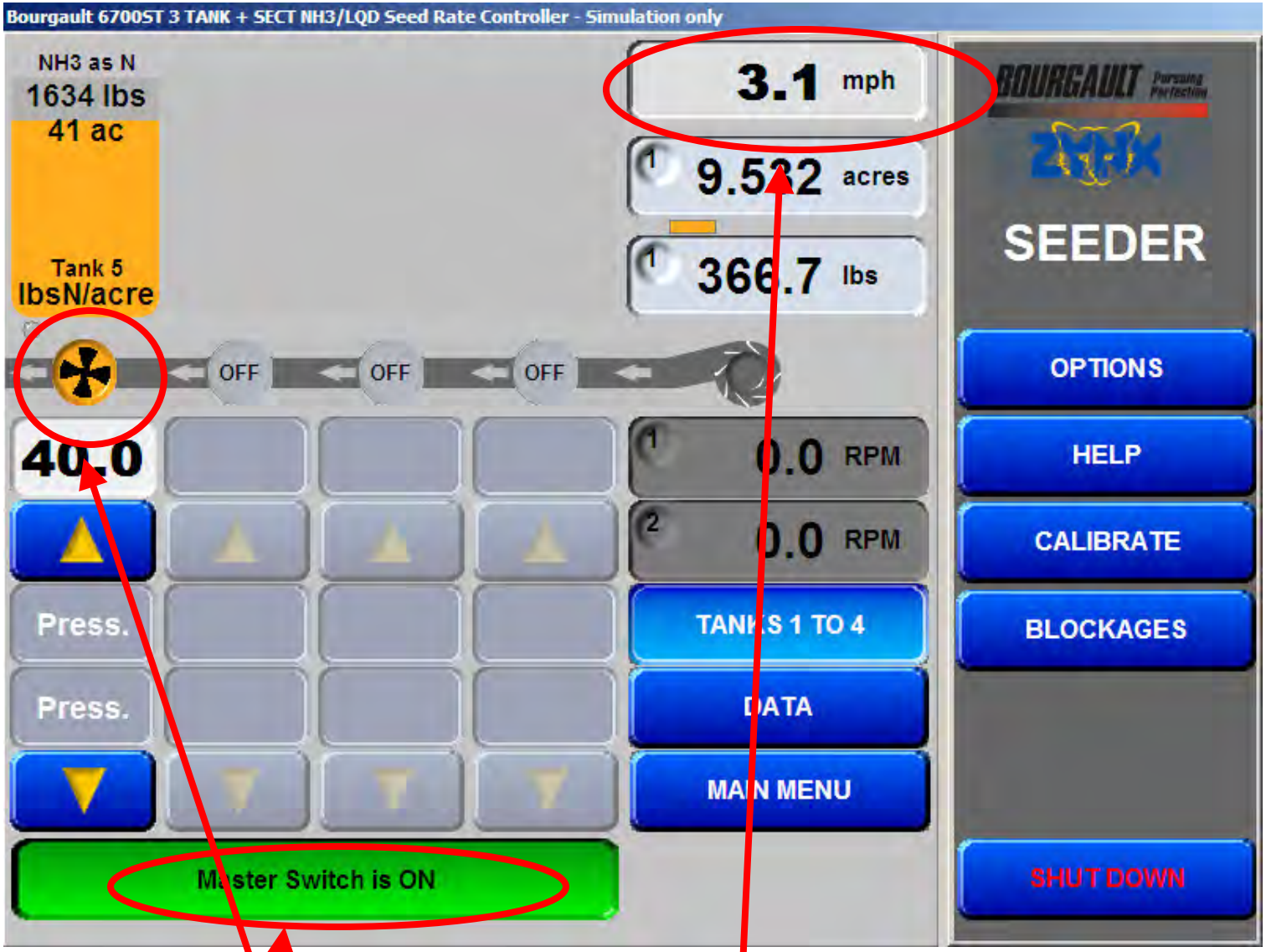


Confirms that you are in manual mode

Press the manual button

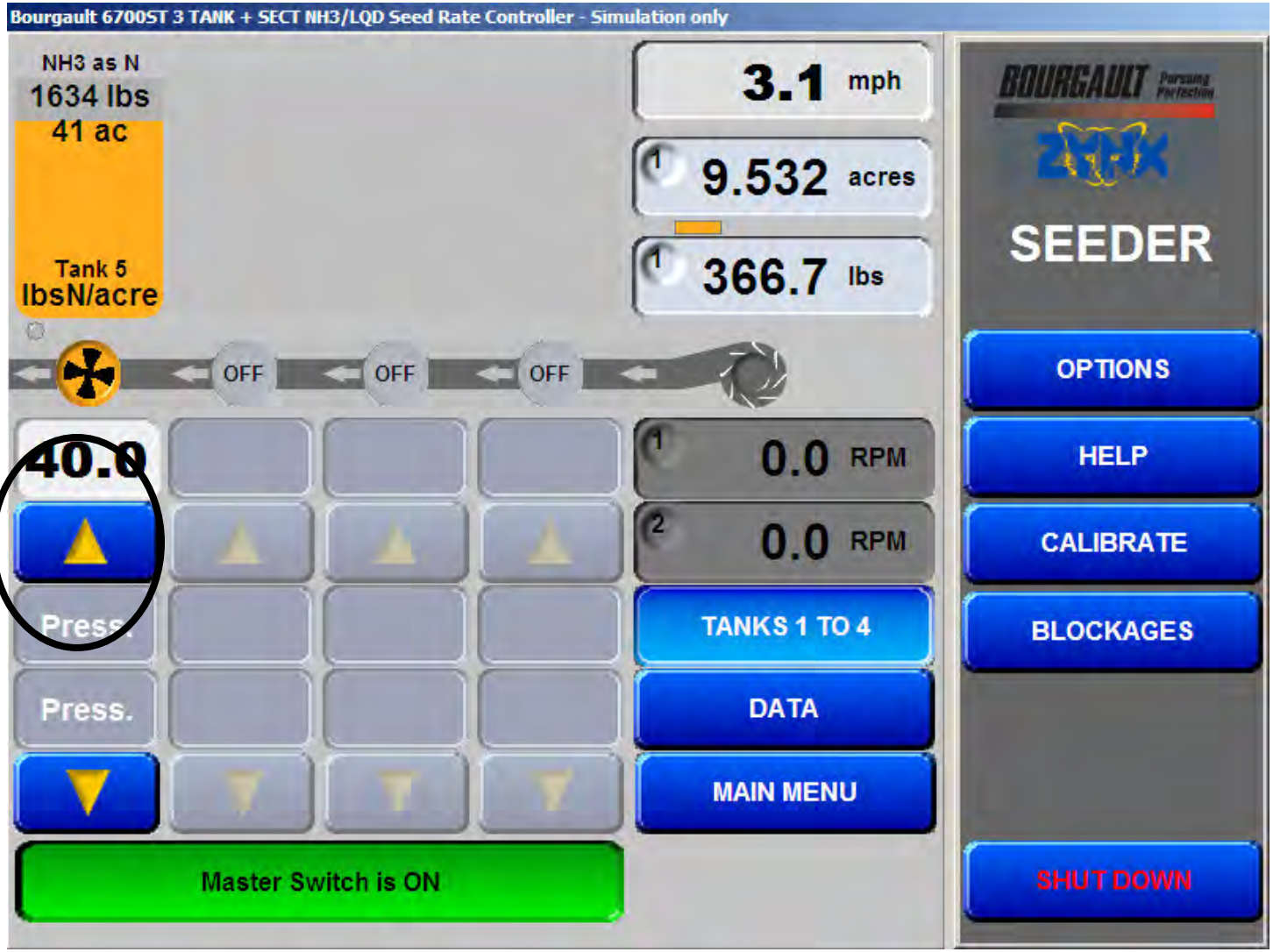

There will be a connector like this going from the ECU to the NH3 / Liquid valve
14.10.2011


Put your voltmeter leads on pins 3 and 4
14.10.2011



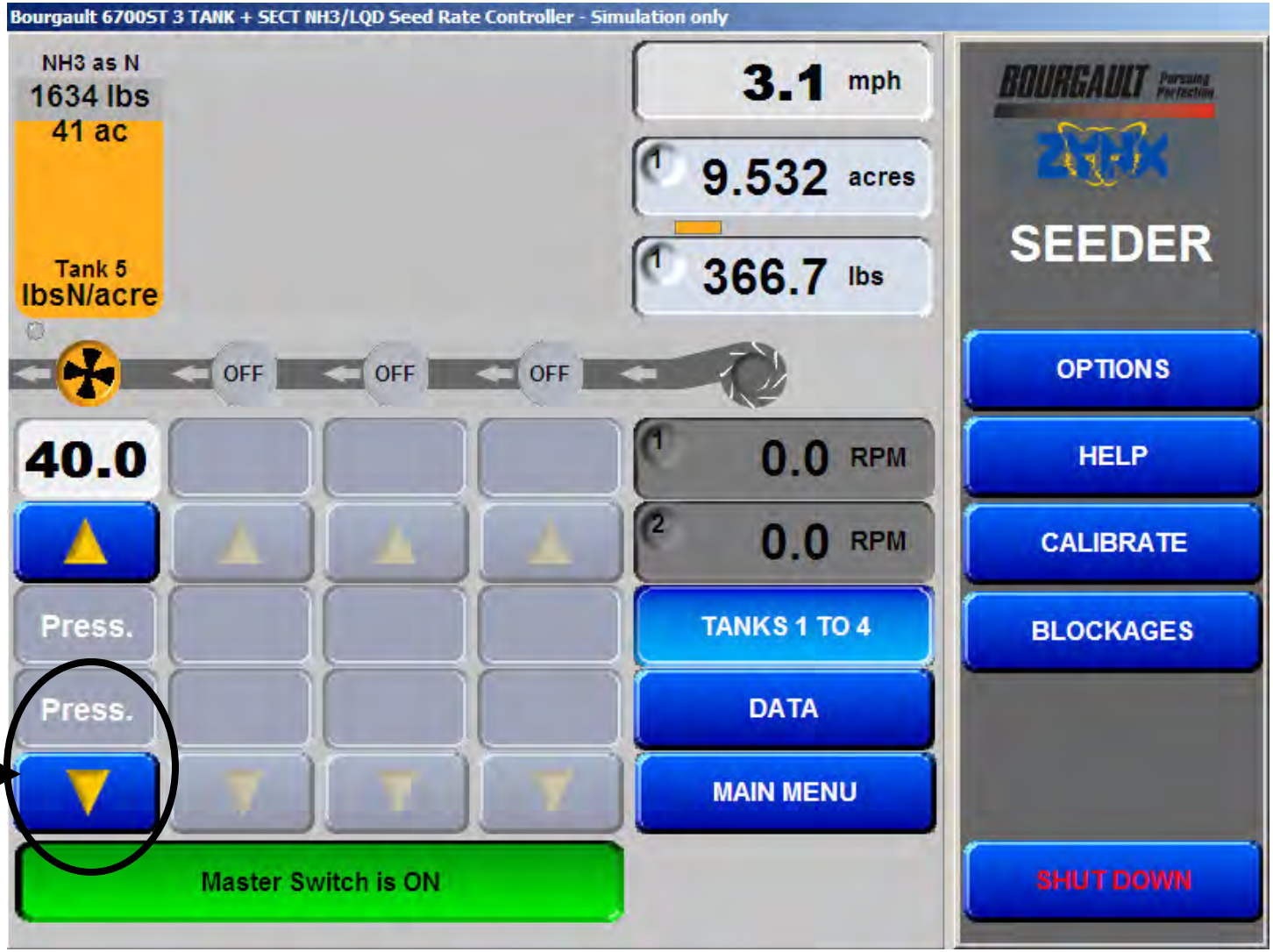
The master and tank clutches must be on as well as a manual ground speed.

Press and hold the up arrow.



While holding the up arrow your volt meter should show positive 8 to 10 volts

Press and hold the down arrow.



While holding the down arrow your volt meter should show negative 8 to 10 volts