

FORCE America 5100ex Spreader Calibration

To access Calibration

1. From **STNBY** Press **Menu** > **More** > **Calibration**
2. Enter your Access Code or insert the FORCE America Supervisor USB Drive

Auger Min/Max

1. In Calibration, press **Auger** > **Aug Fwd** > **Min DC** > **Green** knob to start.
2. Use the + / - icons to adjust the RPM to 0 (zero)
3. Press the **Green** knob > **Ok**
4. Press **Max DC** > **Green** knob to start the auger/conveyor.
5. Use the + / - icons to adjust the MAX DC until the RPM will not go any higher, press **Green** knob to stop > **Ok**

Spinner Min/Max

1. In Calibration, press **Spinner** > **Spinner 1** > **Min DC** > **Green** knob to start.
2. Use the + / - icons to adjust the MIN DC until the Spinner comes to a stop.
3. Press **MAX DC** > **Green** knob to start.
4. Use the + / - icons to adjust the spinner speed so that when you put a shovel full of granular material on the spinner you get about a 12' spread width.

Granular Materials

1. In Calibration, press **Granular Mats** > **Mat 1** > **AutoCal** > **Continue**
2. Load material into the spreader and adjust Gate to desired operating height.
3. Press the **Green** knob and run the auger/conveyor until it is fully charged with material then press the **Green** knob to stop.
4. Press **Cancel** > **Autocal** > **Continue**.
5. Position Tarp and Buckets at the back of the Spreader to catch material.
6. Press the **Green** knob and run the granular material into the buckets.

Note: Time is not a factor but you will want to run off roughly 200 pounds or about Qty.4 5-gallon buckets full.

7. Once you have roughly 200 lbs of material press the **Green** knob to stop the auger/conveyor > **Next**
8. At this point you need to weigh the material that was run off and enter that number as Weight Dispensed.

Note: The 250lbs you see on the screen is just a default number so do not worry if your weight is different.

9. Press **Next** > **Done** > continue to press **Back**, this will bring you to **STNBY**
Granular Material is now calibrated, now do a Sim Speed test.

Do Not turn the Truck off unless the controller is back to the **STNBY screen to save changes made while in Calibration.**

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Sim Speed

1. From **STNBY** press **Menu** > **Sim Speed** > **On/Off** > toggle arrow to On > **Ok**
2. Press **Speed** > use arrows to set it to 30 MPH > **Ok** > **Back** > **Back**
3. This will bring you to **STNBY**
4. Turn the **Green** knob to adjust the LB/MI to 200lbs.
5. Turn **Blue** Knob to turn Spinner down to 0%.
6. Place tarp and buckets back under spreader.
7. Press the **Green** knob and run spreader for exactly 2 minutes.
8. Press the **Green** knob at 2 minutes to stop the spreader.
9. Weigh the material that you ran off and you should have close to 200lbs.

Note: If the total is not close, you will need to adjust the Full Speed Displacement Rate in Calibration.

10. To turn off the **Sim Speed**, press Menu > Sim Speed > On/Off > toggle arrow to Off > **Ok** > continue to press **Back**, this will bring you to **STNBY**

Prewet

1. Start by disconnecting hose going to spray bar and hold in a 5-gallon bucket.
2. In Calibration, press **More** > **Prewet** > **Min Dc** > **Green** knob to start
3. Use the + / - icons to adjust until pump stops
4. Press the **Green** knob to stop > **Ok**
5. Press **Max DC** > **Green** knob to start the pump
6. Use the + / - icons to adjust the MAX DC until the RPM will not go any higher press **Green** knob to stop > **Ok** > **Back** > **Prewet Mat**
7. At this point you will need to empty the 5-gallon bucket
8. With hose in bucket Press **AutoCal** > **Continue** > dial **Blue** knob to 40% > press **Green** knob to start.
9. Run until bucket is full to the 5-gallon mark and press Green knob to stop > **Next** > using arrows, enter 5.0 > **Next** > **Done** > continue to press **Back**, this will bring you to **STNBY**

Prewet Liquid is now calibrated, reconnect hose.

Speed

1. In Calibration, press **Speed** > **Cal By Distance** > **Continue**
2. Now you will need to drive 1 Mile, that can be a marked mile or using Trip OD
3. When ready press **Green** knob to start > Drive exactly 1 Mile > **Green** Knob to Stop
4. **Next** > this will show Pulses/Mile and Actual, check for accuracy > **Done**
5. Continue to press **Back**, this will bring you to **STNBY**

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