5100ex Granular Calibration Procedure

VERIFY THAT CORRECT PULSE PER REVOLUTIONHAS BEEN ENTERED FOR THESPREADER YOU ARE CALIBRATING – SEE SPREADER REFERENCE GUIDE

CHARGE SPREADER AND RUN MATERIAL OUT BEFORE STARTING

1. Put controller in standby mode by pressing green knob, **Menu** will appear in lower right corner.
2. Press **Menu**, More, then **Calibration**.
3. Enter access code, or insert supervisor's key into the USB port.
4. Press **Auger**, then **Options**, then **Pulses/Rev**.
5. Enter your Pulses Per Revolution.
6. Press **OK,** then **Back**, then **Back**.
7. Press **Granular Mats**, then select the material you want to calibrate.
8. Select **AutoCal**, the Granular AutoCal screen will appear.
9. Press **Continue** to dismiss the dialog.
10. Set up a catch container under the auger to catch any material that is dispensed. An empty 5 gallon pail works best.
11. The default auger setting is 40%, this is the minimum that you can AutoCal with.
12. Press the green **Standby** knob to begin dispensing material. The status should change to "Running".
13. You'll want to drop as close to 200 lbs of material as possible.
14. Press green **Standby** knob to stop spreader after enough material has been dropped. The status should change to "off".
15. Weigh all dropped material on portable scale.
16. Press **Next**.
17. Enter the actual weight of the dropped material. (ex. 0200 for 200 lbs of material)
18. Press **Next** to continue. The Full Speed Displacement screen will appear. It will be populated with the value calculated by the 5100ex.
19. Press **Next**. The Displacement screen will appear populated with the value calculated by the 5100ex.
20. Press **Done**. AutoCal is now complete. Press **Back** to return to the home screen.
21. Go to **Verification Procedure**.

5100ex Verification Procedure

CHARGE SPREADER AND RUN MATERIAL OUT BEFORE STARTING

1. Put controller in standby mode by pressing the green standby knob, **Menu** will appear in the lower right corner.
2. Press **Menu**, then **More,** then **Calibration**.
3. Enter access code, or insert supervisor's key into the USB port.
4. Press **Speed**, then **More**, then **Sim Speed**.
5. If Sim Speed is disabled, enable it by using the right arrow key.
6. Press **OK**, then **Back** four times, until you reach the main menu screen. **Sim Speed** will be displayed on the bottom of the screen.
7. Press **Sim Speed**.
8. Press **On/Off**, and toggle Sim Speed to On. Press **OK**.
9. Press **Speed**, and verify the speed is set to 30 mph. If not, adjust accordingly.
10. Press **OK**, then **Back**, then **Back** to exit the Menu.
11. Ensure spreader is turned off.
12. Ensure spreader is in manual mode.
13. Ensure prewet is disabled.
14. Rotate Green Knob until 200 or 300 set lbs/mile appears at the top of the screen.
15. Get stopwatch ready.
16. Press Green Knob to start spreader. Run it for one minute. Press Green Knob to stop spreader.
17. Weigh all of the dropped material. You should have 100 lbs +/- approximately 10% if set at 200 lbs of material, or 150 lbs +/- approximately 10% if set at 300 lbs of material. If you do, the truck is calibrated.