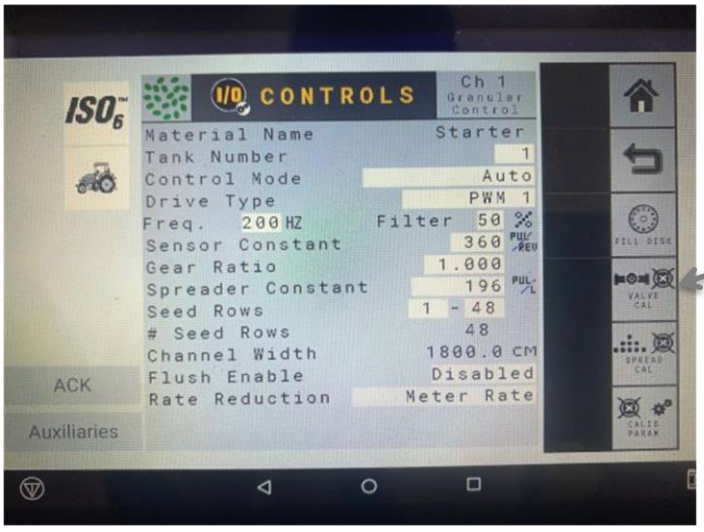
3.6 **Valve Calibration**

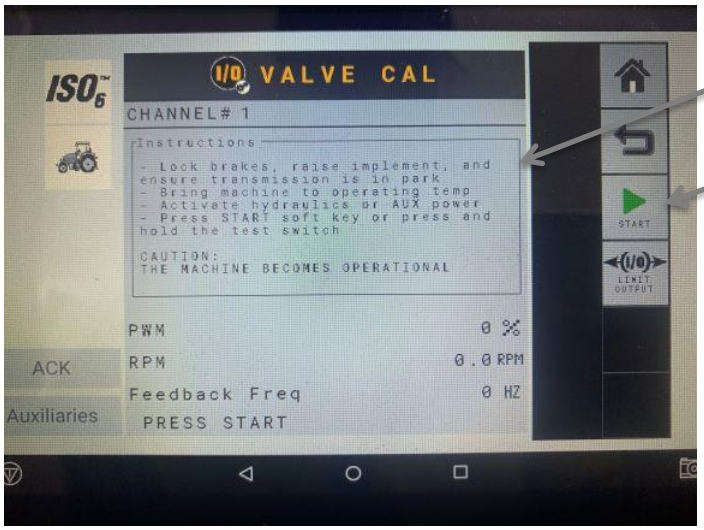
On initial operation, a valve calibration should be done prior to any product being put in the bin, to set the correct relationship between control solenoid percentage and oil flow to the drive motor.
Valve calibrations should also be performed at the beginning of every season or whenever a different tractor is used.
Universal terminal display shown – if different rate controllers are fitted contact your supplier for information.

From the home screen, press I/O controls and select the channel to be calibrated and press 'Edit'

Hydradrives consume 0-15Lpm each and share common pressure and return lines. Before starting the procedure the relevant hydraulic remote must be in constant flow. As tractors vary in oil delivery, allow 10% margin above the calculated flow required for all drives.



Press VALVE CAL

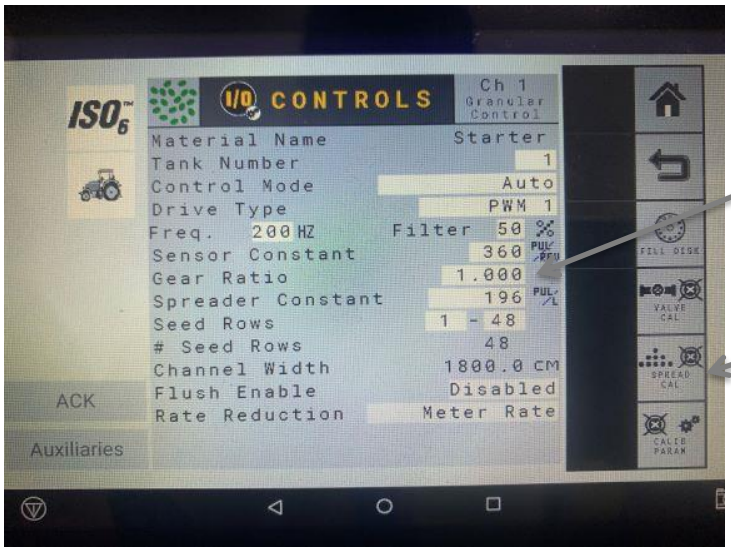


- Carefully read the instructions on this screen
- To commence Valve Calibration press "START"
- Then press "CONTROL ON"

It takes a few minutes to complete the Valve Calibration.
During calibration the Feed Meter will speed up, slow down, start & stop a few times.

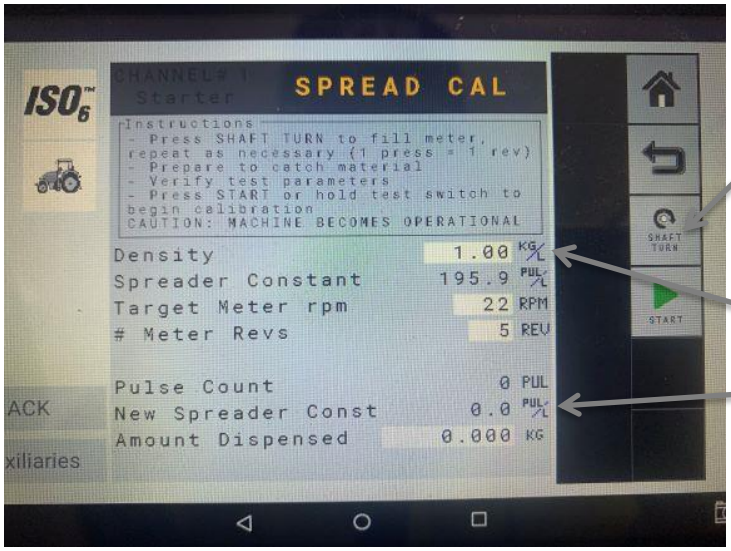
3.7 Material Calibration

From the home screen, press I/O controls and select the channel to be calibrated and press 'Edit'



Gear ratio must remain as 1

Press SPREAD CAL



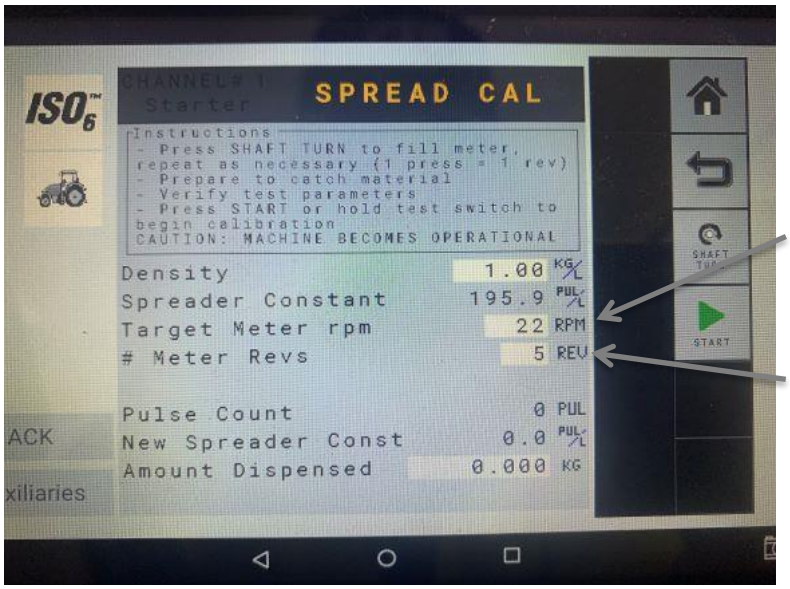
Press "SHAFT TURN" button until Feed Meter is full.

Density must remain as 1kg/L

Spreader constant will be shown here once a catch test is performed.

Place scales on level surface. Place large plastic tub on scales. Press tare to account for the weight of the tub. Press 'unit' to select between pounds and kg (ensure units are in kg). Place tub under metering unit to be calibrated.

Calibration should ideally be performed at the actual shaft speed that will be used at normal planting speed. See section 3.3.3 for more information.

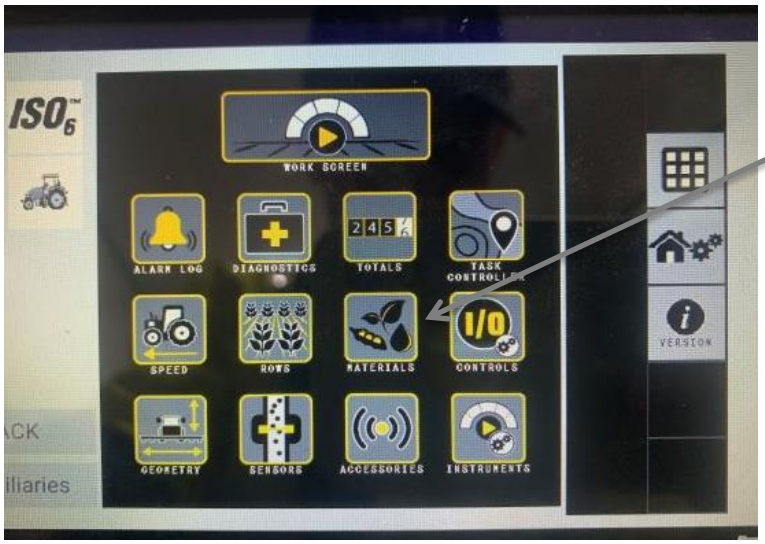


- **Set "Target Meter RPM" at normal operating RPM. As operational rpm's vary, 15rpm is suggested as a starting point if actual shaft speed is not known.**
- **Set no. of "# Meter Revs" to collect approx 10kg. (You should collect 10 to 15Kg)**
- **Press "START" button.**
- **Press "CONTROL ON" button.**

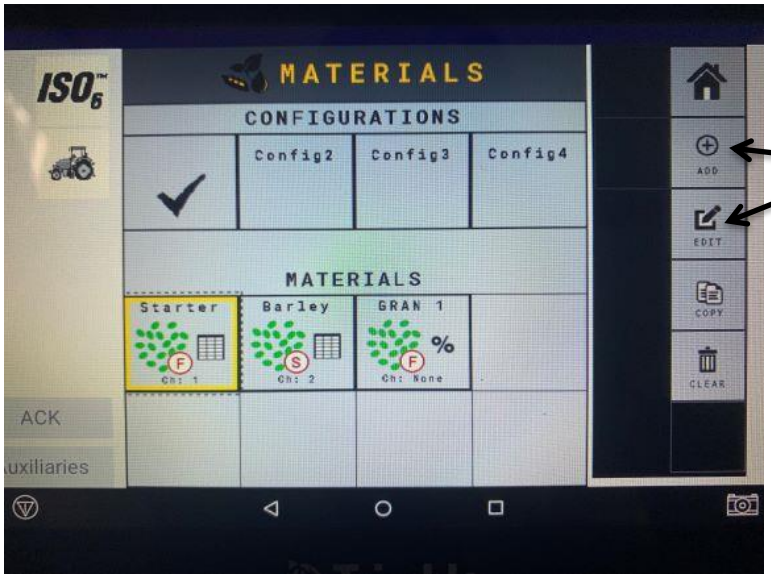
The meter will start up and begin dispensing material. When the Meter stops turning, weigh the Material.
Enter exact weight in "Amount Dispensed". Press "SAVE" to keep the New Spreader Constant.

3.8 **Setting up Materials**

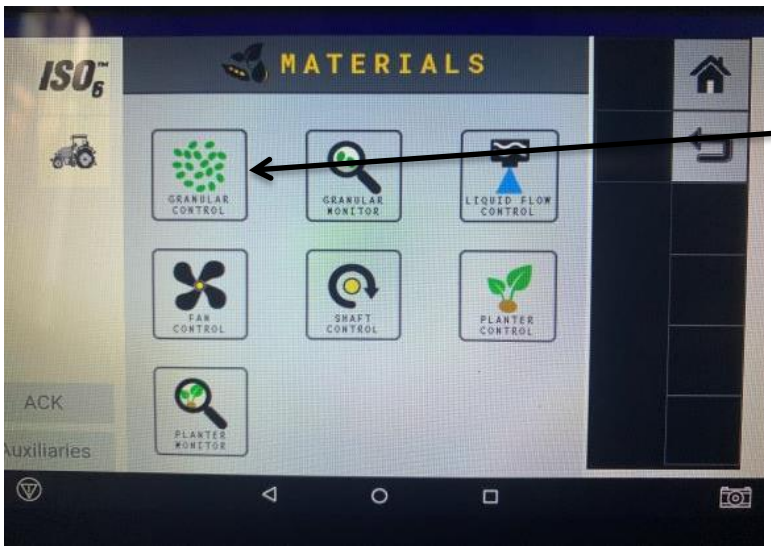
A material needs to be set up for each product used (seeds, fertiliser, crop protection etc.).
Universal terminal display shown – if different rate controllers are fitted contact your supplier for information.



From the home screen, press materials

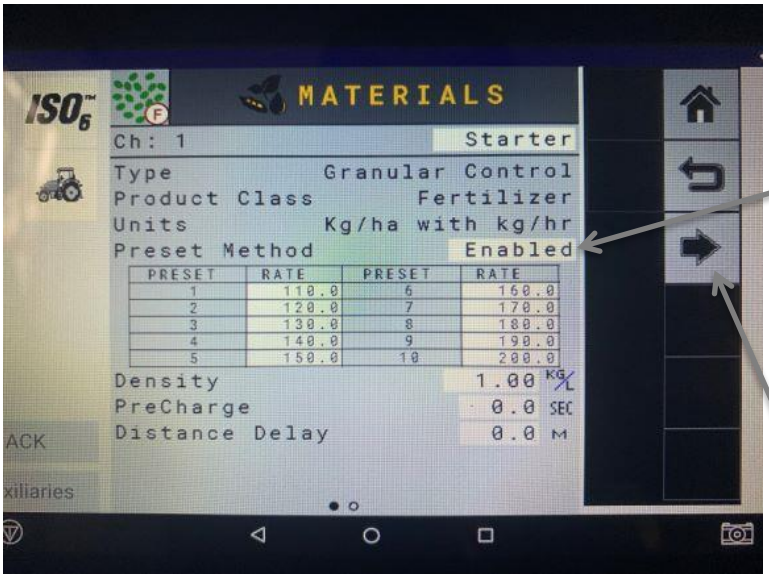


Press Add and then edit



Select granular control

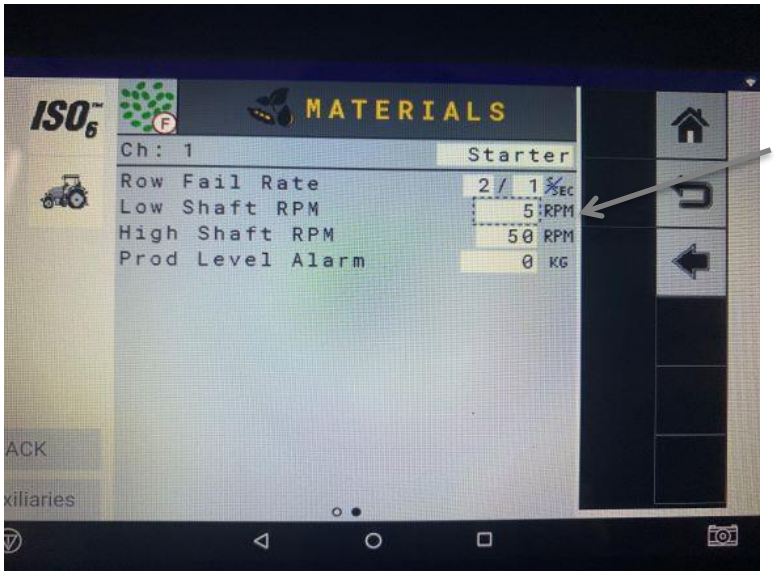
Select product class



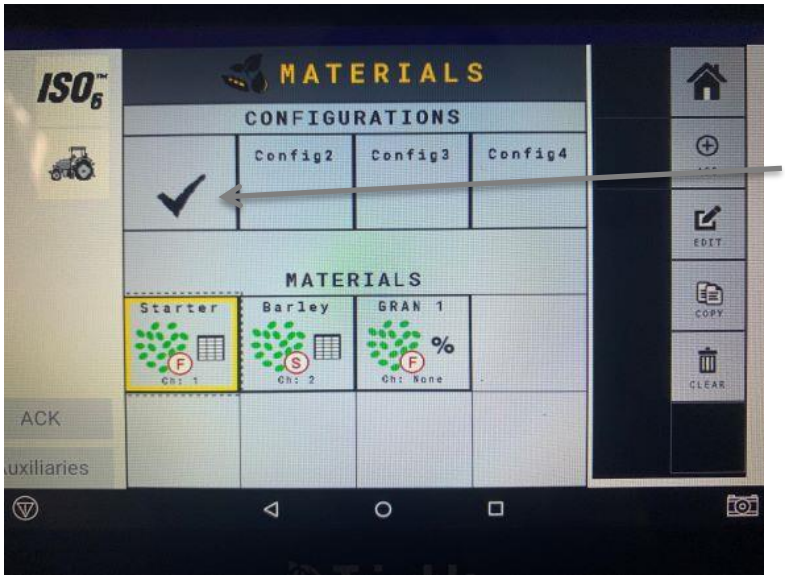
Ensure preset method is enabled

Enter preset rates as desired

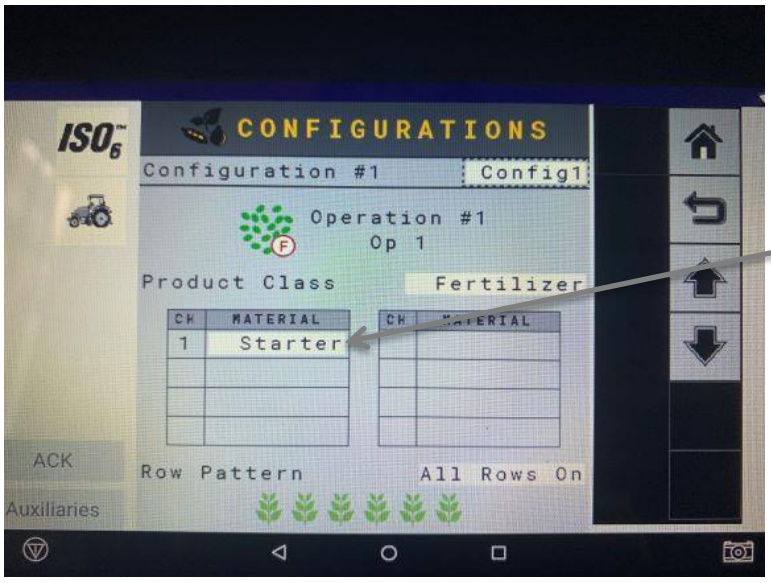
Scroll to the second page using the right arrow



Set low shaft RPM to 5rpm and high shaft RPM to 50rpm



Return to the materials screen and then select config 1 and edit



Check that each new material is assigned to the appropriate product class and channel