

CALIBRATION INFORMATION - GEN 2 MONTAG SUPPLIED CONTROLLER

Displacement per Row = Gen 2 Meter (2" hoses) 0.0026 Cubic ft. / Rev.

CFR (cubic ft / Revolution) = Displacement per Row X Number of Rows = CFR

Adjust CFR = $\frac{\text{Actual Rate or Scale weight}}{\text{Desired Rate or Weight displayed on controller}} \times \text{Current CFR} = \text{New CFR Cal\#}$

CALIBRATION INFORMATION - GEN 2 CUSTOMER SUPPLIED CONTROLLER

Flow Control Valve = PWM Closed
12 Volt
110 Hertz

Meter Control Valve Cal # = 1023 (See Controller manual for fine tuning)

Encoder = 12 Volt 60 Pulses / Rev.

Auger Drive = Gear Ratio 3.14 to 1

Meter Speed Sensor Cal # = $60 \times 3.14 = 188.4$ (pulses per auger revolution)

Low limit/High limit = (Use default setting see controller manual for instructions)
Auger RPM Gen 2 meter 10 – 150 MAX

Tank Capacity = 4.5 Ton per tank 150 cu/ft or 120 bushels

Displacement per Row = Gen 2 Meter (2" hoses) 0.0026 Cubic ft. / Rev.

CFR (cubic ft / Revolution) = Displacement per Row X Number of Rows = CFR

Adjust CFR = $\frac{\text{Actual Rate or Scale weight}}{\text{Desired Rate or Weight displayed on controller}} \times \text{Current CFR} = \text{New CFR Cal\#}$

Spreader Constant = $\frac{\text{Meter Speed Sensor Cal\#}}{\text{CFR}} = \text{Spreader Constant}$

Adjust Spreader Constant = $\frac{\text{Spreader Constant}}{\text{Actual Rate}} \times \text{Desired Rate} = \text{New Spreader Constant}$

Controllers with Automatic Calibration Functions:

The Montag applicators fan must be running at normal operating pressure when performing automatic calibration functions on a controller such as PWM limits or performing catch tests.