ENVIZIO PRO SETTINGS – Spreader Setup

Product Control:

NOTE: Product 1 and 2 can be switched over just by pressing the Product ½ button on the Envizio Pro screen.

Product 1 (Conveyor)

Application Type: Granular (Single Bed, Single Encoder)

Speed Cal: Radar/GPS (Always select GPS since using a Phoenix 200 or 300 receiver)

Valve: PWM Close (Switching OFF the “master switch” on the switch box will stop conveyor when set to this option)

2nd Switch on the black box below from LHS to RHS on the second line: is for Conveyor movement

3rd Switch on the black box below from LHS to RHS on the second line: is for spinner movement

Valve Cal: 43 (Larger the 1st digit, the slower the PWM hydraulic valve response; The ENVIZIO operator manual outlines this setting; 43 recommended by Raven and Chandler.)

Product 2 (Spinner Speed)

Application Type: Spinner

Speed Cal: Radar/GPS

Valve Type: PWM (in this case, if we switch OFF the “master switch” on the switch box, the spinner-discs will keep running; make sure to select “PWM” and not “PWM Close”.

Valve Cal: 23

Calibration Settings:

1. **Spinner Cal**: 40 (Speed sensor located on disc drive shaft. There are 4 bolts on the rotating shaft thereby 4 pulses per revolution; must multiply by 10)
2. **RPM Cal**: RPM used during calibration
3. **Rate Bump**: set to 10; can increase or decrease spinner-disc speed by this amount (e.g. 10 rpm) from the Envizio main screen.

Calibration Settings:

1. **Density**: Enter product density (lb/ft³)
2. **Rate Cal**: Rate for calibrating spreader (e.g. 200 lb/ac)
3. **Rate Bump**: use 50 or 100 as a starting point (indicates rate increments to manually change rate during field application; use the “INC or DEC” switch on the switch box to change the target rate)
4. **Spreader Constant**: calibration number for product being spread. As an example, 365 has been determined for potash based on calibration.