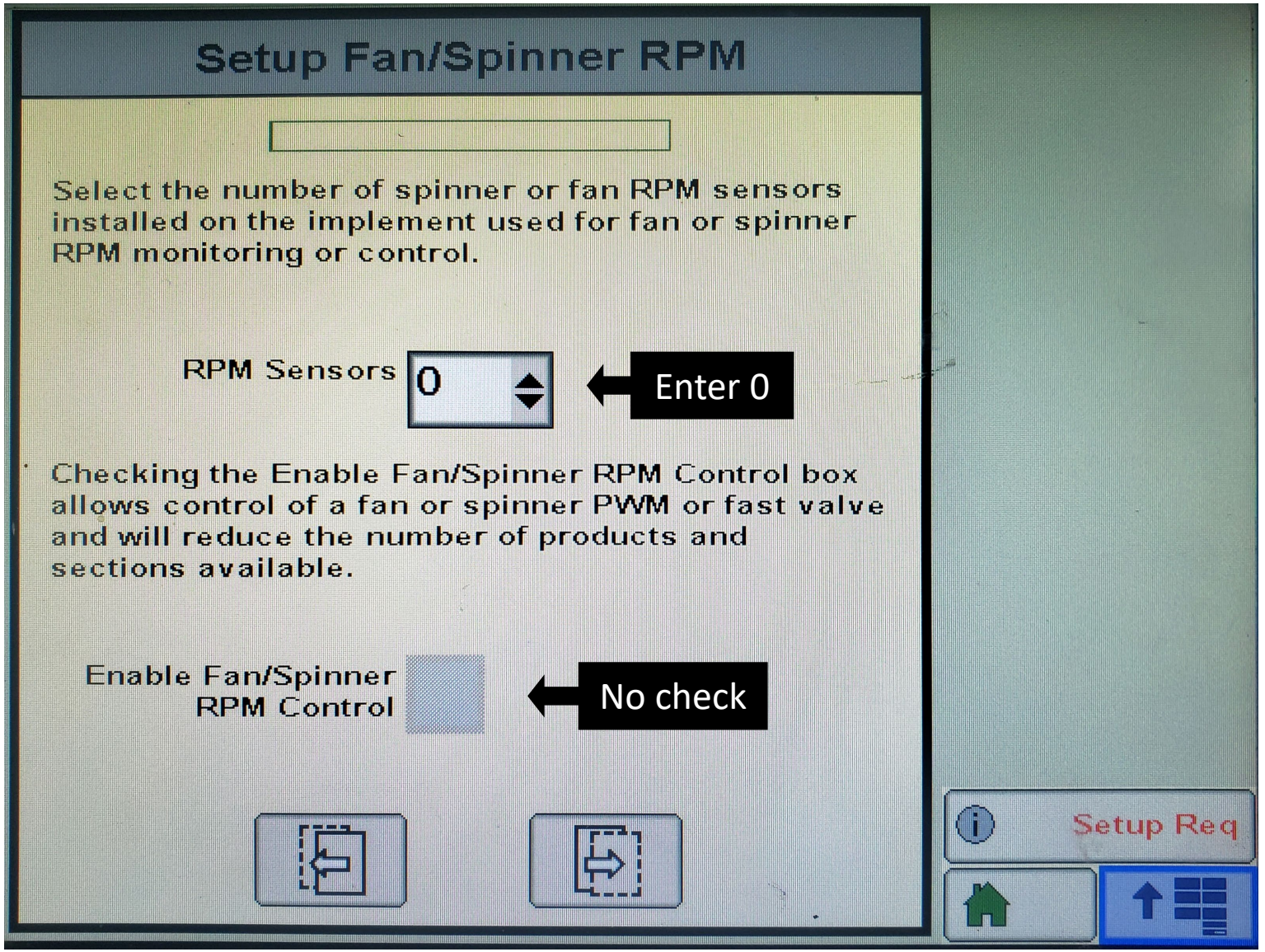
JDRC 2000 Controller Set-Up for Montag

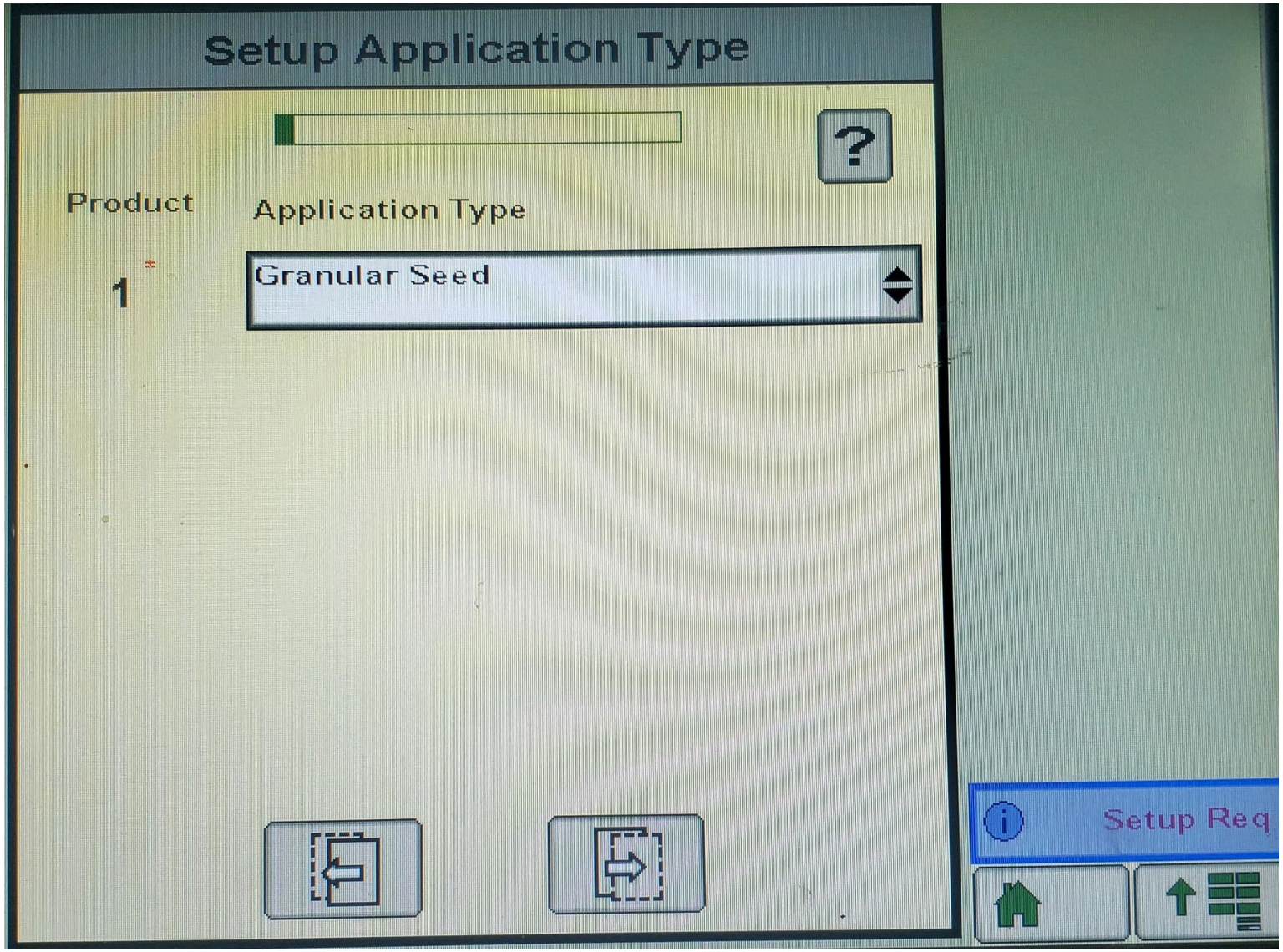
- If running NH3, then machine type set as NH3
- These slides show dry only options, but may reference NH3. Dry only machine type is air cart (most applications) or spreader (for bin chaining purposes).

- GEN 1 and GEN 2 = air cart

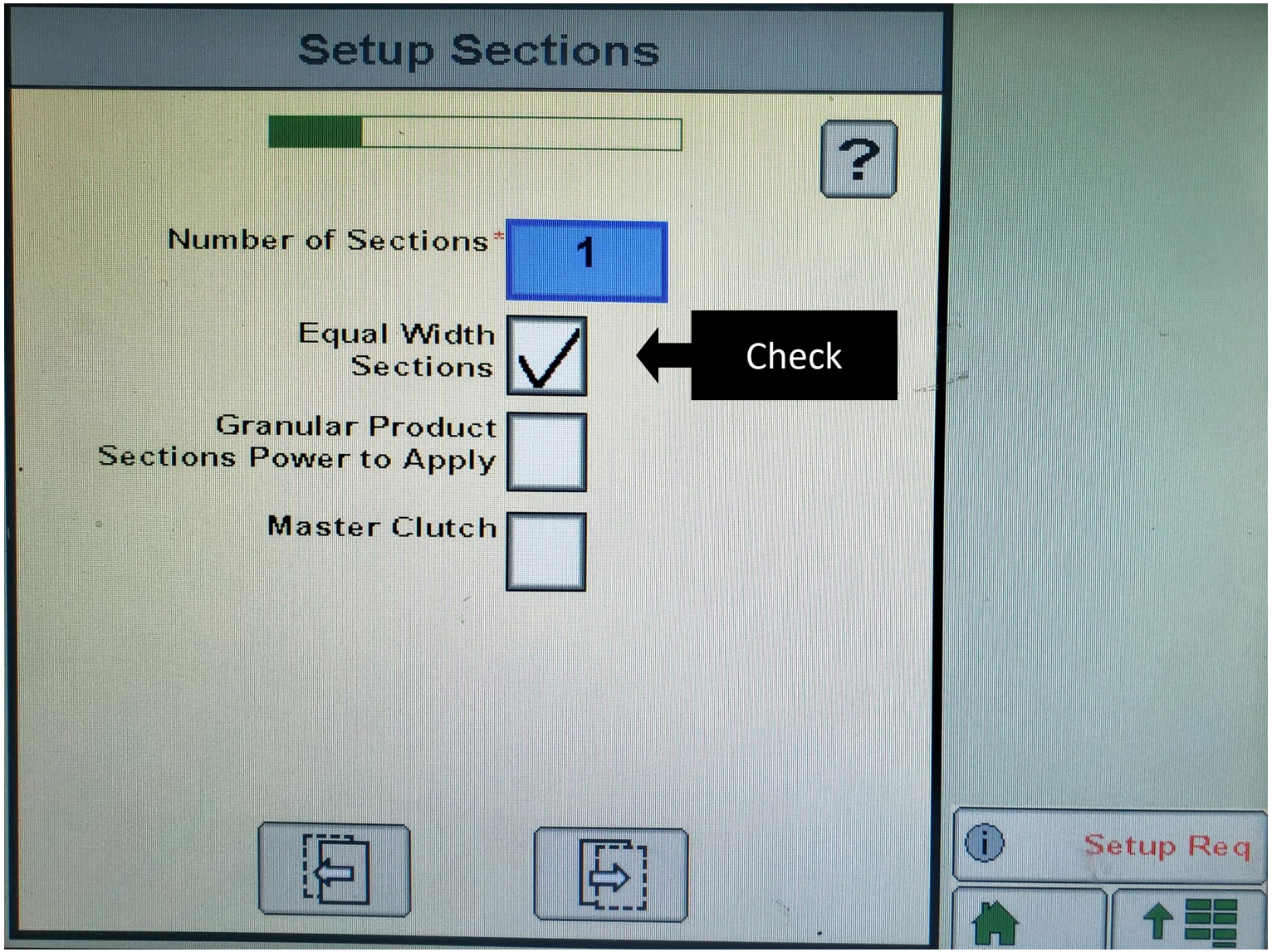


- GEN 1 Single Section = Granular Full Width Section
- GEN 1 Two Section = Dual Control Valve
- GEN 2 – 2218, 2208, 2108 = Granular Multi-Section (RPM maintained)

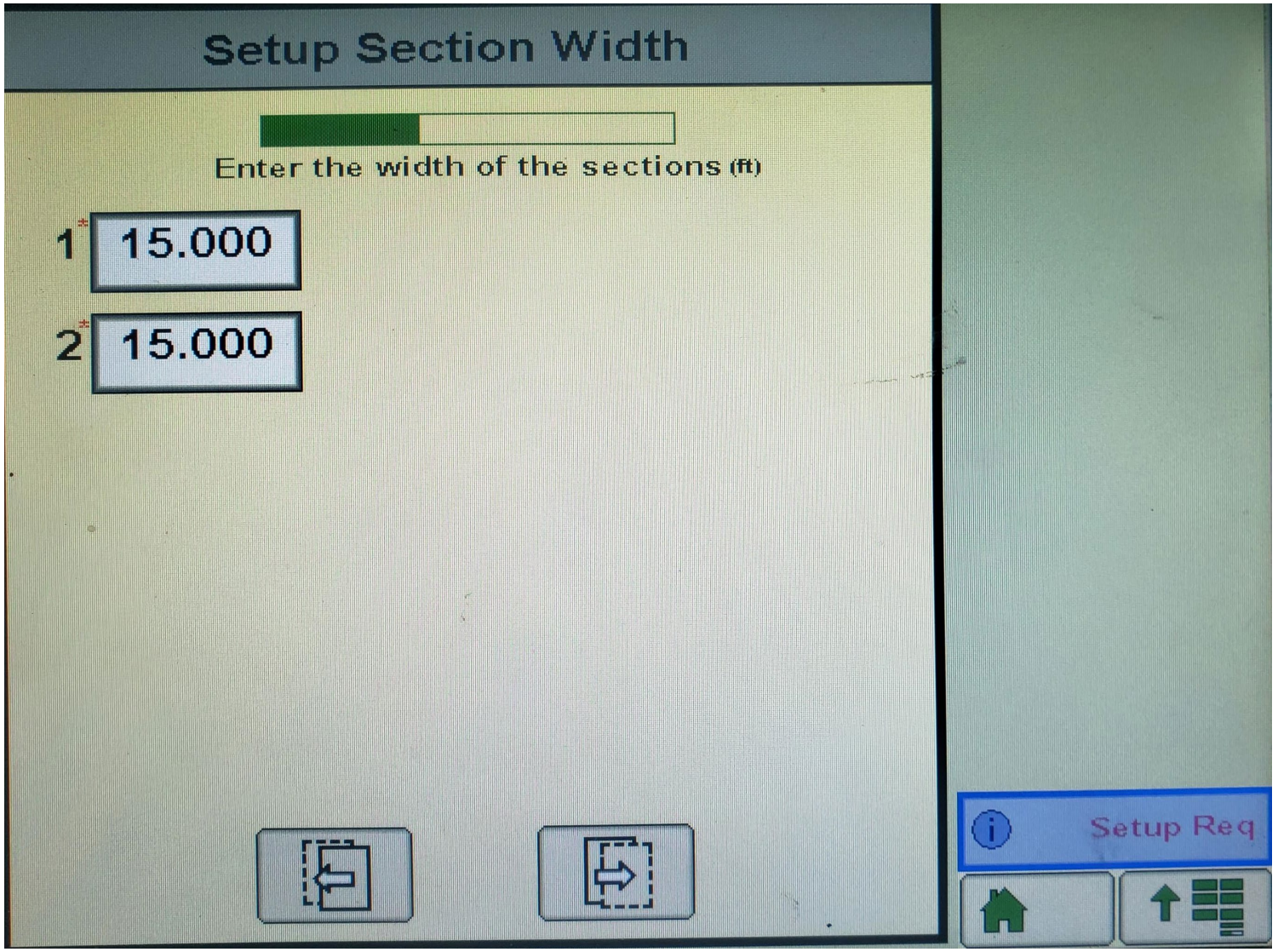
- If running NH3, Product 1 NH3
- Product 2 Granular



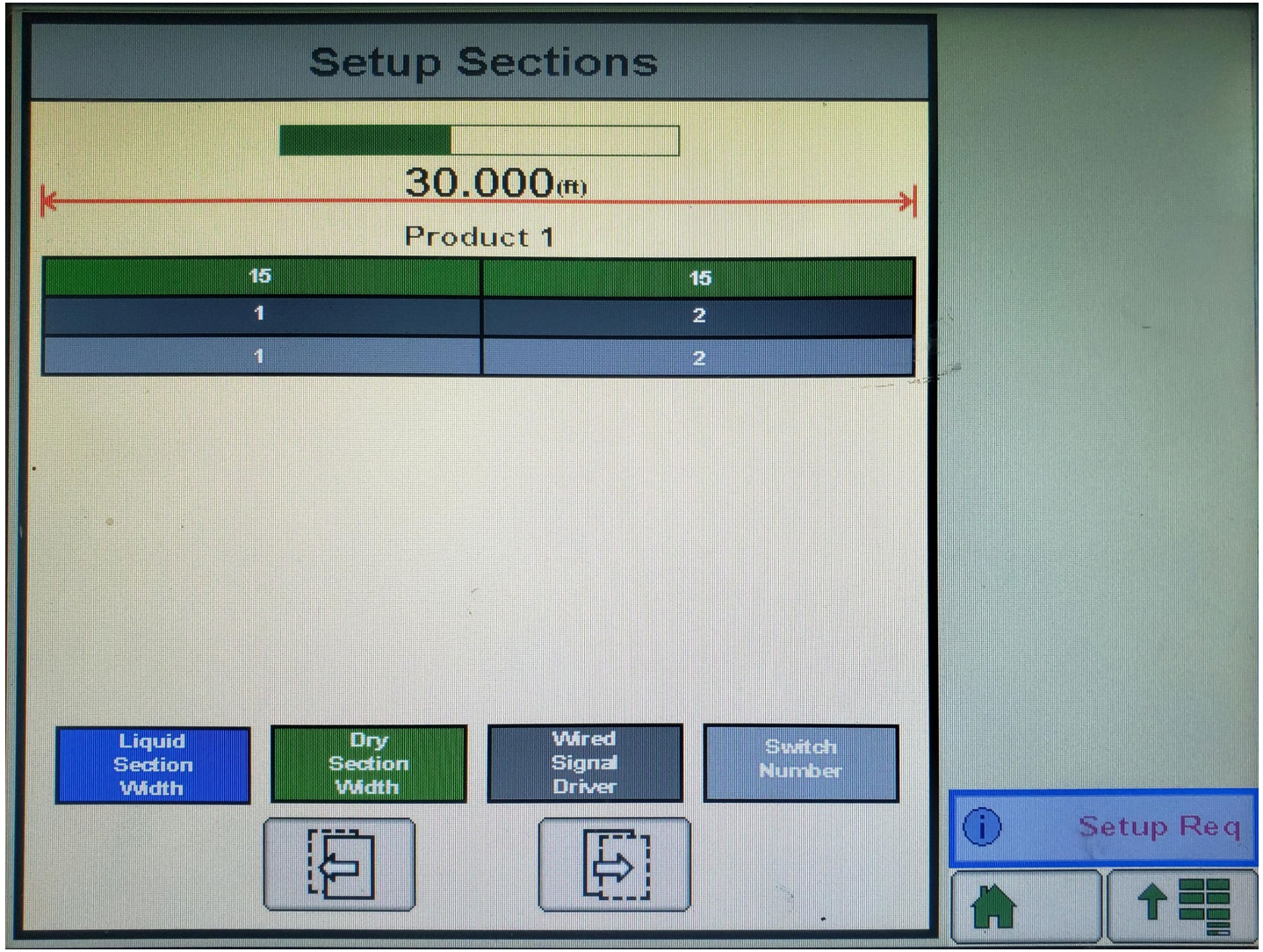
- Check only Equal Width Sections, leave other two boxes unchecked



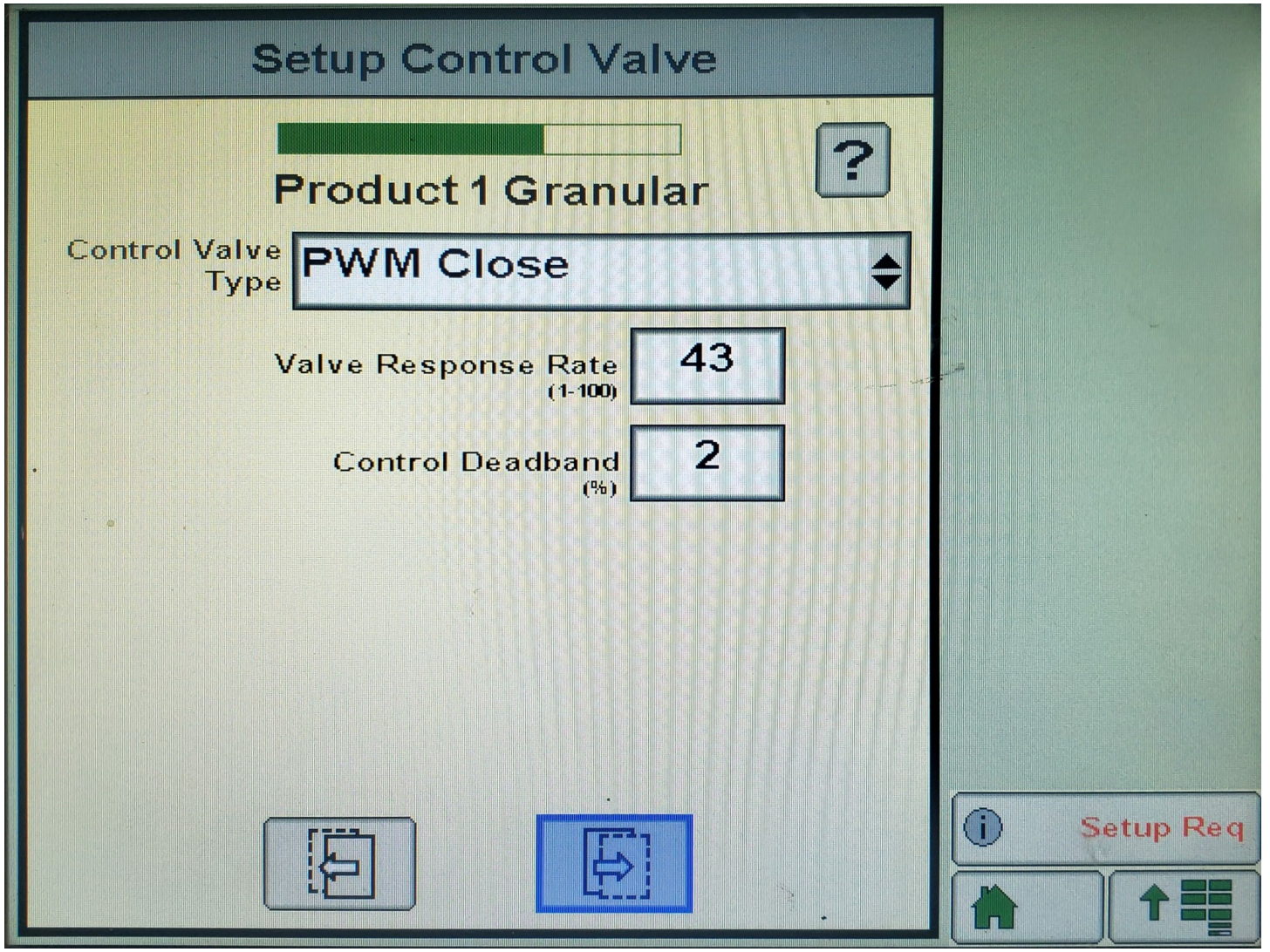
- Optional – this is for 2 Section Machines only
- This is where you will set the section width



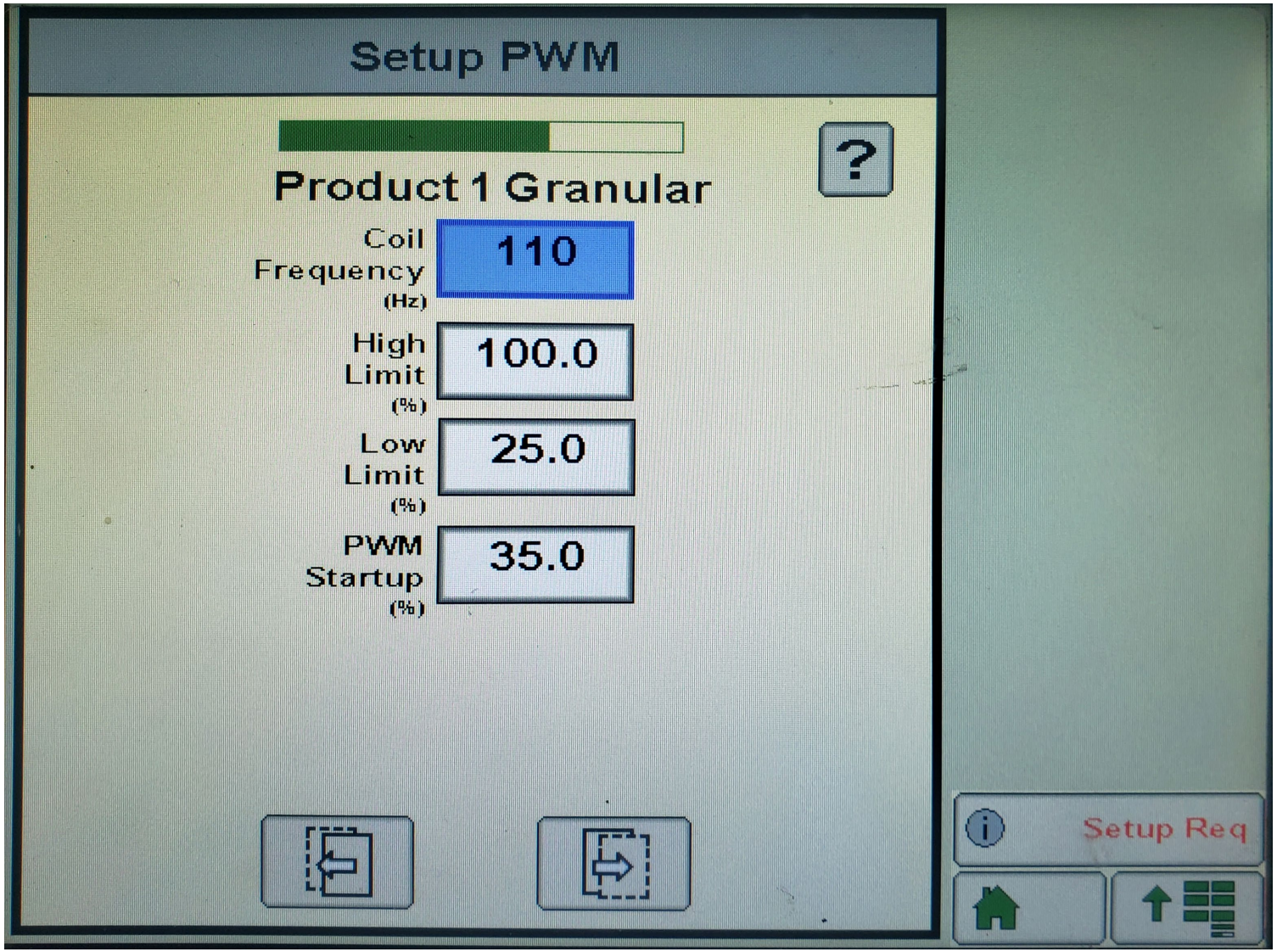
- Optional – this is for 2 Section Machines only
- Approve your sections



- PWM Close, 42-44 Starting, raise for more aggressive, Lower for less aggressive, leave control deadband at 2%.



- Coil Frequency 110, high limit 100, low limit 20-30 (need to test)
- PWM start-up 30-40 (need to test)
- For the JDRC the High Limit is 255 Low Limit is 10-20

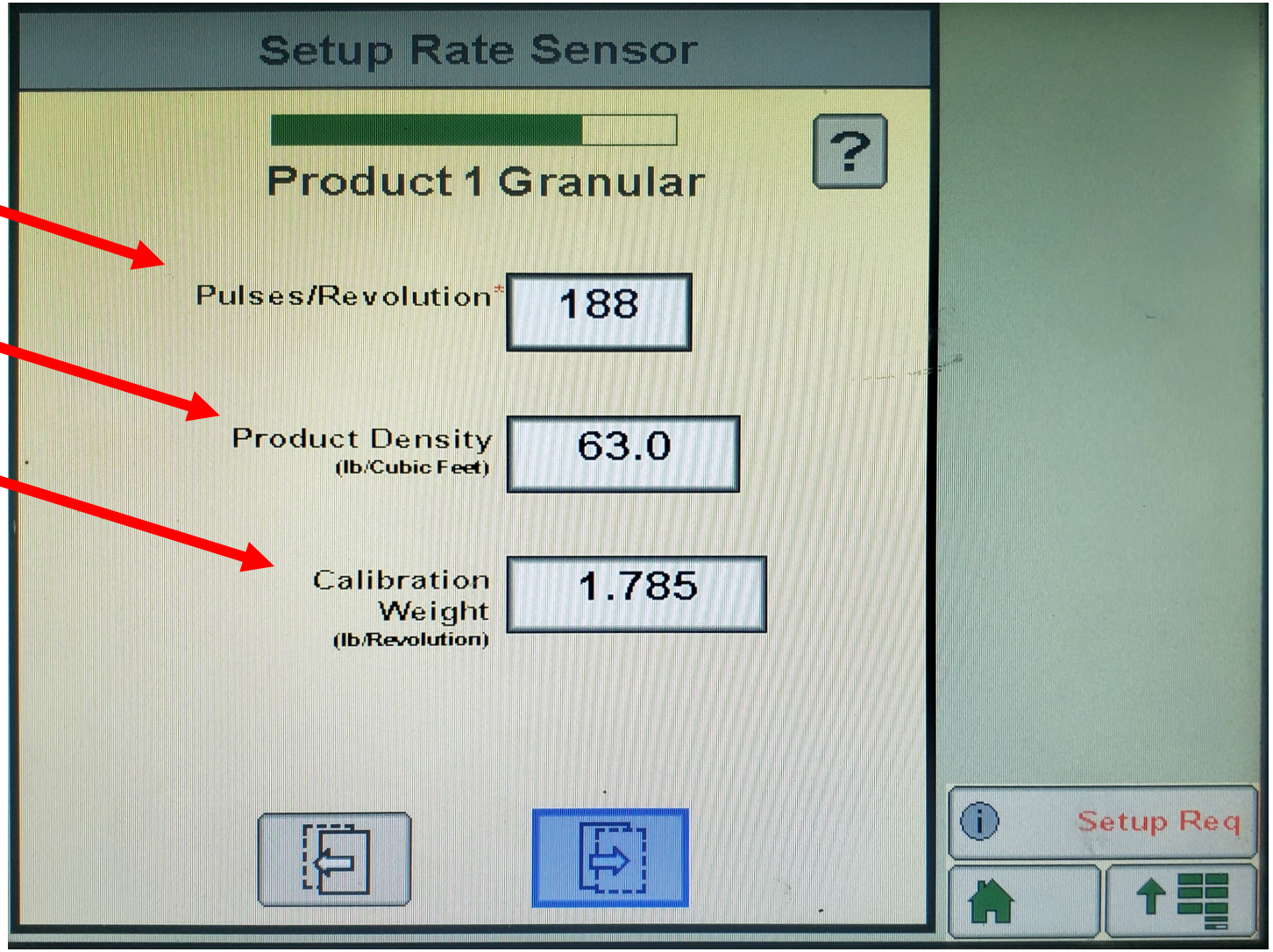


- Pulses/ Rev =
  - GEN 1 Eaton = 94
  - GEN 1 Parker = 47
  - GEN 2 = 188

- Product density = Measure with density scale (provided).
- Cal Weight = CFR x Density
  - CFR = Standard GEN 1 = .0016 X # rows
  - High Output GEN 1 = .0032 X # rows
  - GEN 2 = .0026 X # rows

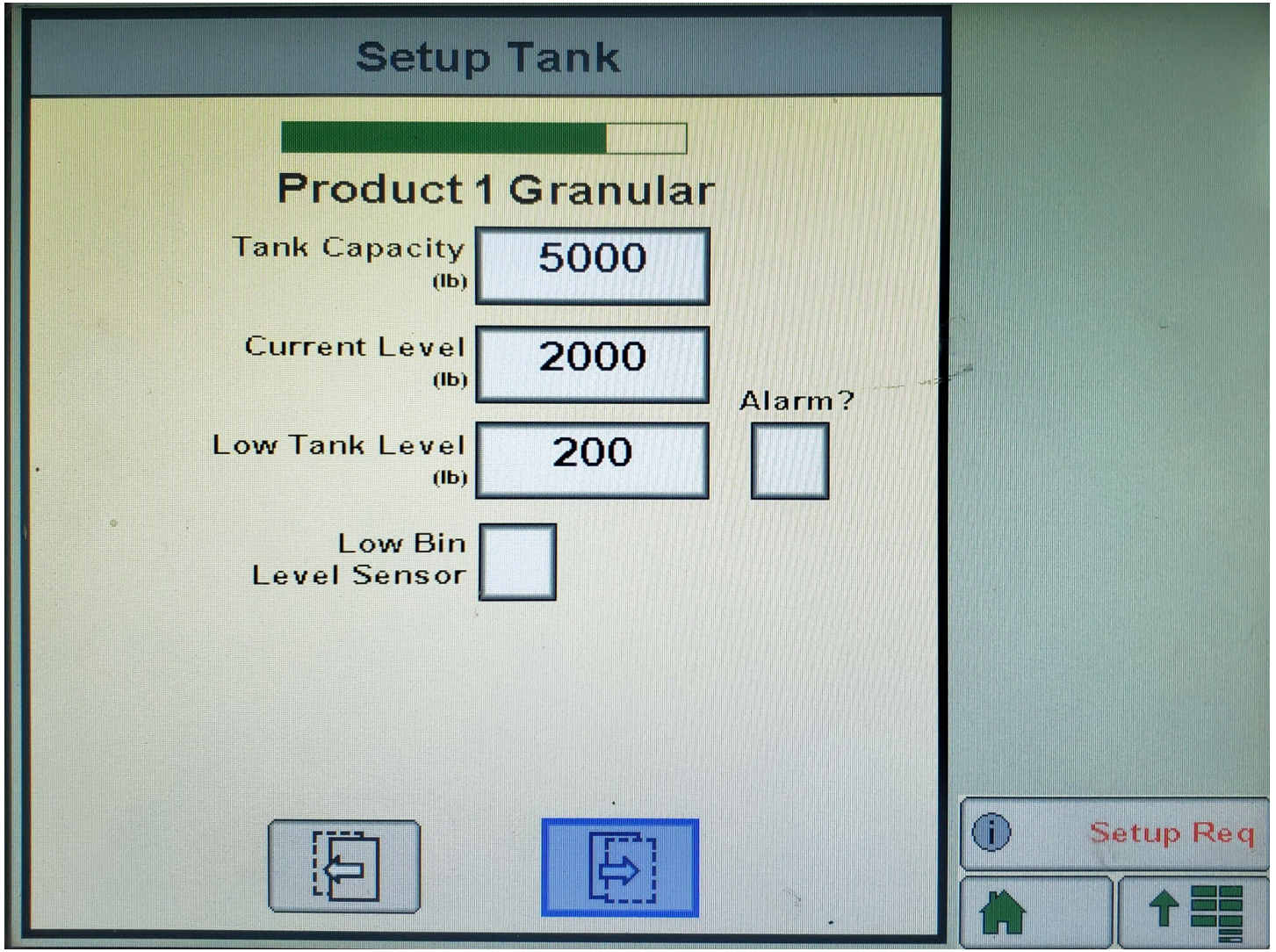
- EXAMPLE

  Calibration
  - CFR vs Lbs. Per Rev.
    - CFR
      - Displacement per row X Number of Rows
        - 0.0032 x 16 = .0512
    - Lbs. Per Rev
      - Density x CFR = Lbs. Per Rev

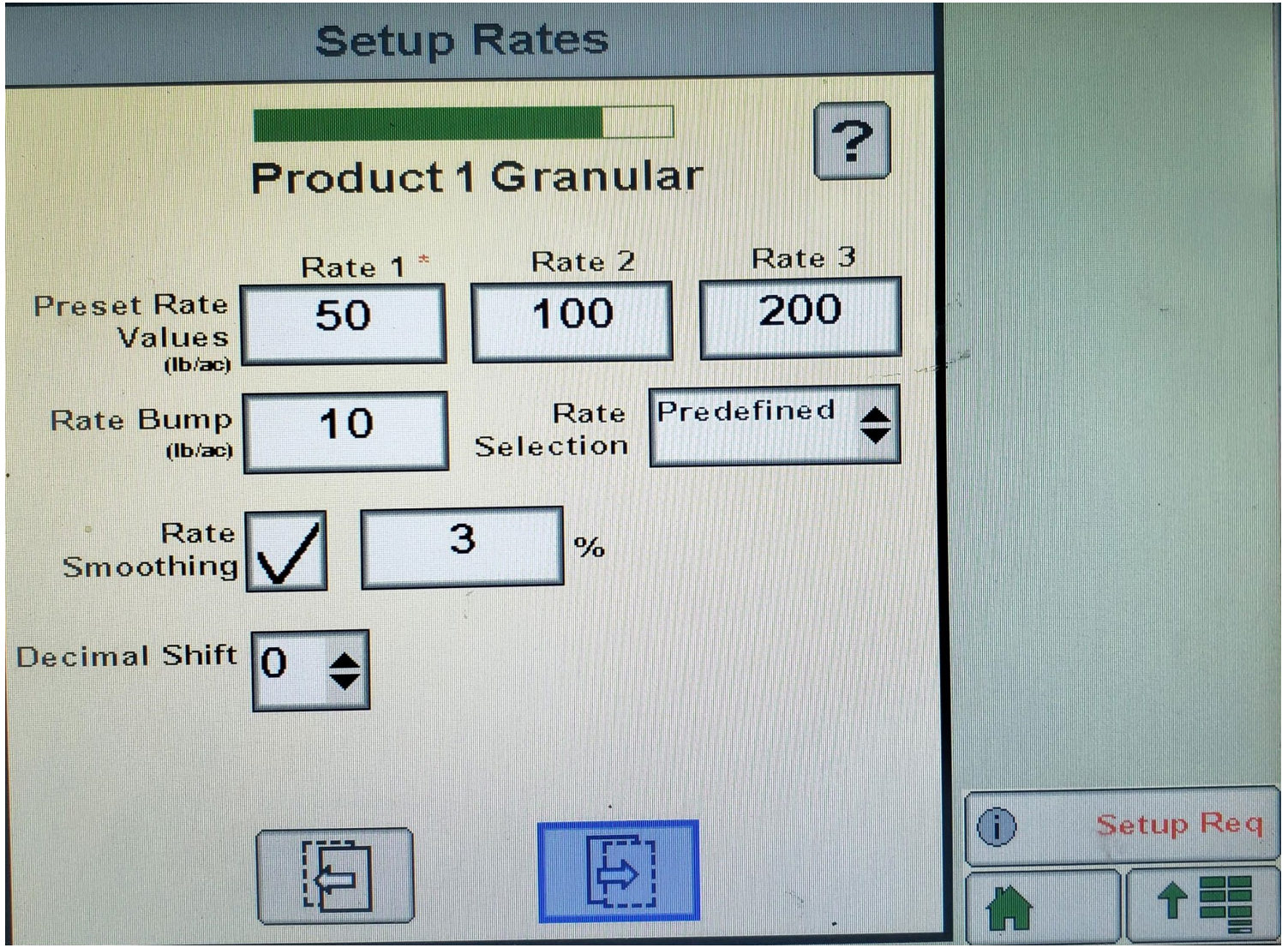


- 6 Ton = 12000
- 9 Ton = 18000
- GEN 2 = 9500/tank

- Low tank level = operator preference



- All Operator preference
- Common rates, 100, 250, 500
- Bump rate 10-25
- Rate selection either predefined or map based



- Setup Alarms is operator preference