

**QUICK START GUIDE**  
**TRUAX FLEXII-812 NO-TILL DRILL**  
**GRAYS HARBOR CONSERVATION DISTRICT**

**SAFETY FIRST**

- Read manual before transporting or operating the drill
- **Never work in or near seed boxes while tractor is running**

**TRANSPORTING**

- **NEVER transport the drill faster than 20 m.p.h. unless the drill is on a trailer.**
- Drill should be transported by a tractor of 40 HP or greater, or a ¾ ton pickup
- Raise drill to highest position and install **both** hydraulic **transport channel locks**
- The drill is equipped with transport wheels. Please engage these transport wheels while towing on the highway
- Disengage the sprocket lockout hub if transporting more than ¼ mile
- Attach safety chain between the drill and the towing vehicle
- Turn on flashers and headlights while towing to ensure visibility

**BEFORE CALIBRATING**

- Adjust the center link so the drill sits as horizontal as possible. This will reduce stress on the drill and ensure the drill plants at the correct depth and covers the seed as it passes.
- **Never put fertilizer through the drill**

**OPERATING THE DRILL**

- Requires a 40 HP or greater tractor with hydraulic ports
- Ensure no-till blades have similar contact points
- Run the no-till blades only deep enough to cut through residue and scratch soil surface
- **Do not dig a furrow with the no-till blades**
- **Always raise the drill when turning and do not make sharp turns**
- **Do not exceed 5 MPH when planting**
- **Do not back up the drill when in the seeding position**

**CLEANING**

Please complete the following steps to ensure the drill is clean before returning it.

**Important: Do NOT use water to spray out seed boxes. This may cause mold and clogging of the seed boxes.**

1. Clean out dirt and debris from the seed box lid hinges.
2. Use a vacuum or air hose to clean seed out from the seed boxes, paying special attention to the seed box cups and flutes.
3. Remove the cool season box row dividers and clean out the bottom of the box.
4. Use a screwdriver to clean stems from the transitions
5. Clean the drill with a high-pressure washer or nozzled hose. **Do not directly spray any bearings or hubs that contain bearings.**
6. Remove any mud from the depth bands, particularly the blade sides.
7. Use an air-compressor to blow all the water off the drill, including seed boxes.

## **CALIBRATING THE DRILL**

### **Preliminaries to Calibration Procedure:**

1. Attach drill to tractor. Park on a level surface, set parking brake, lower drill with hydraulics and shut off tractor.
2. Block the non-drive end wheel of the drill front and back.
3. Using a jack, lift the frame of the drill so that the drive wheel is lifted off the ground.
4. Remove **three seed tubes** from the seed box being calibrated and place a bag or can under these seed box openings (transitions).
5. Place seed in the seed box **only over the seed tubes previously removed**. Use enough seed to fill the top of the agitators in the box being calibrated.
6. Turn the drive wheel and check to be sure all mechanisms are working. Check to see that seed falls from the transitions (where the seed tubes were removed). Be sure to turn the drive wheel in the direction the implement would be traveling normally for planting (forward, or clockwise).

## **CALIBRATION PROCEDURE**

Note: To avoid errors in calculations, **calibrate each seed box individually**. Calibrating one box does not affect the others. First, calibrate the small seed box, then the cool season box, and finally the fluffy box.

1. Place a bag or can under each of the three transitions to catch seed. **Only measure three of the four and be sure the measure the same three each time.**
2. **For seed weight in OUNCES**, turn the drive wheel **29 times**. Use the valve stem or draw a chalk line on the tire to keep track of rotations.
3. **In OUNCES**, weigh all collected seeds and **multiply by 6.25**.
4. This result is the seeding rate in bulk pounds per acre. This is not Pure Live Seed (PLS).
5. Repeat at least three times to determine average output per box.

## ADJUSTING THE SEEDING RATE

### Small Seed and Cool/Grain Seed Boxes

Use the flute adjuster to increase or decrease the amount of seed accordingly. **Repeat calibration until the recommended planting rate is attained.** This may require multiple calibration attempts depending on who used the drill before you.

### Fluffy Seed Box

Adjust the sprocket chains to increase or decrease the amount of seed accordingly by opening the sprocket cover at the drill's front (below left).

**Increase** the seed amount by moving the chain to a smaller front sprocket and larger rear sprocket.

**Decrease** the seed amount by moving the chain to a larger front sprocket and smaller rear sprocket.

**Repeat calibration until the recommended planting rate is attained.** This may require multiple calibration attempts depending on who used the drill before you.