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Calibration of 750 John Deere No-Till Drill for Grass Plantings

Alfalfa & Fertilizer Boxes

- Alfalfa box and fertilizer box speed remains the same on ½ speed or regular speed gear drive.

Grain Box

- The drill has a ½ speed kit. This means the drill turns at ½ the regular speed which allows for accurate calibration and makes grass seeding possible using the grain box.



Grass Seed in Grain Box

- When seeding grass seed, do not fill box over ½ full to prevent bridging. Make sure agitators are properly aligned over seed cups before filling grain box.

Travel Speed

- 3 to 4.5 mph (depending on site's soil conditions.)

Seed Mixture

- All seed should be pre-mixed then placed in the grain box for seeding.

Setting Drill

- To set drill seeding rate close lever to 0, then push one notch past the desired setting.
- In example, push to 8 and then back to 7.

Drill Calibration

1. Lower drill and put in gear.
2. Pull 4 tubes of grain cups.
3. On front of grain cups outside of the grain box, place cup lever in the middle position.
4. Place some seed in grain box.
5. Turn wheel several times to get seed flowing through the cup/sprocket area.
6. Attach 4 plastic sandwich bags to the 4 grain cups.
7. Turn wheel 9 ½ revolutions.
8. Add the 4 bags of seed together and weigh in grams. Divide weight by 2. The answer is actual bulk pounds per acre that the drill is seeding.
9. Adjust drill setting and repeat steps 6-8 until desired seeding rate is achieved.

Check List

1. Make sure depth wheels are in the shallowest seeding depth position. Seed depth goal is less than ½”.
2. Read and make note of acre meter before starting.
3. Know how to put drill in gear.
4. Operate with pressure setting run in gear.
5. Fill half full prevent bridging with grass seed.
6. Operate with a travel speed of 3 to 4.5 mph.
7. Do not turn with drill in ground
8. Seed settings depend on heat, humidity, and roughness of field. Humid weather settings may have to be increased or decreased according to your situation. Check seed often from the start to finish of your project to ensure even distribution.