



Quick Field Guide

Seeding with SMALL Seed Box

Back Seed Box

Alfalfa, clovers, small grasses

Great Plains 1006NT

End Wheel No-Till Compact Drill

TRANSPORTING

- Transport width is 12 feet 7 inches.
- Transport requires a tractor or truck equipped with a hitch with adequate towing capacity.
- Completely raise drill and secure cylinder blocks.
- Secure safety chain and raise hitch stand.
- Disengage the lock out hubs on both wheels.
 - Pull the pin out of the slot to disengage.
- Place hydraulic hose ends in storage bracket on frame during transport and secure slack hose.

SET UP

- Small seed box capacity = 2.4 bushels.
- Use the *Small Seeds Seed Rate Charts* which start on Page 18 of the Rate Chart book.
 - On the chart, find desired seeding rate (use 7.5 inch row spacing) in pounds of seed per acre. Follow that column up; note the corresponding Small Seed Cup Lever Setting.
- Adjust the small seed box seeding rate by setting the Small Seed Cup Lever.
 - Rate handle is on the back side of the small seed box, above the walk board.
 - Loosen the wing nut under the handle, set indicator just past the desired value from the chart, then tighten wing nut.
- This YouTube video may be helpful (video link can be found on our web page):
 - *Great Plains No-till Drill Instructions* posted by the Franklin County Soil and Water Conservation District

CALIBRATION

- Always calibrate the drill before seeding.
- Block wheels before detaching drill from truck or tractor.
- Connect the hydraulic hoses to your tractor.
- Remove the cylinder blocks and store on carrier arms.
- Lower the drill to the ground to engage the clutch.
- Attach the calibration crank to the coupler on the gauge wheel jack shaft (driver's side).
- Disengage lock out hub on driver's side when calibrating.
 - Pull the pin out of the slot to disengage.
- Place seed over three end seed cups. Place containers under the seed tubes to capture seed.

- Turn the calibration crank until seed starts coming out. Empty the seed from the containers, then turn crank 41 times.
 - The book states to turn the crank 411 times. Divide by 10 now so you turn the crank less. **Multiply pounds per acre by 10** to build it back into the equation:

$$\frac{\text{MeasuredSeed} - \text{EmptyContainer}}{3} = \text{PoundsPerSeedCup}$$

$$\text{PoundsPerSeedCup} \times \text{NumberOfOpeners} = \text{PoundsPerAcre} \quad \times 10 = \text{Pounds seed per acre}$$

(15 openers)

- This YouTube video may be helpful:
 - *How to Calibrate the Great Plains Main Seed Box (Model 1006NT)* posted by MillbournSeeds

SEEDING

- Engage the lock out hub on the driver's side before planting. This will also activate the acre meter.
 - Drop the pin in the slot to engage.
- Adjust the depth of the wavy no-till counter by turning the control knob.
 - One full rotation of the knob adjusts the coulters ¼ inch.
 - Clockwise = deeper.
 - Counterclockwise = shallower.
- Set the press wheels. This adjusts the depth of the disc openers. Note that the seed from the small box is dispersed from the small seed tubes, on the ground *behind* the disc openers. This also adjusts how the rubber press wheels close the seed trench
 - Each "rock" is a quarter of an inch.
 - Forward is shallower, backward is deeper.
 - Make sure to set all 15 openers the same.
- Raise the drill before turning or backing up.
- Get out often to check seed depth, placement, and rate.
- Grease zerks on clutches & grease banks after 8 hours of operation.
- Grease gauge wheel arms & small seed shaft bearings every 15 hours.

AFTER SEEDING IS COMPLETE

- Raise the drill and secure cylinder blocks.
- Disengage lock out hub on the driver's side wheel.
 - Pull the pin out of the slot to disengage.
- Block wheels before detaching drill from tractor.
- Thoroughly clean out the seed boxes with a vacuum and remove mud from row units.



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