

# Quick Field Guide

## Seeding with MAIN Seed Box

Front Seed Box  
Soybeans, small grains, large 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

- Main seed box capacity = 24 bushels.
- Use the *Main Seed Box Rate Charts* which start on Page 5 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 and note the corresponding Small Rate Handle Setting Number. Also note the drive type.
- Set the drive to the setting indicated on the chart.
  - Gearbox is located on the front of the drill on the driver's side.
- Set the seeding rate handle to the number indicated on the chart.
  - Handle located on the front of the main box on passenger's side. Loosen the wing nut under the handle, set indicator, tighten wing nut.
- Set position lever on seed cups according to seed size.
  - Top dent for smallest seeds (wheat, grass, etc).
  - Second dent for larger seeds (soybeans).
- 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.
- 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 & pull the seed tubes off these three openers. Place containers under seed tubes to capture seed.

- Turn the calibration crank until seed starts coming out. Empty any captured seed, 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

- Adjust the depth of the wavy no-till counter by turning the control knob.
  - One full rotation adjusts coulters ¼ inch.
  - Clockwise = deeper, counterclockwise = shallower.
- Set the press wheels. This adjusts both the depth of the disc openers & pressure on rubber press wheels to 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 (row units are staggered).
- 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.
- 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.
  - 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 & remove mud from row units.

