



## Ashland County Land and Water Conservation Department

### **OPERATING INSTRUCTIONS – NO TILL DRILL**

(Recommended minimum: 50 HP tractor with 1 pair of hydraulic connections!)

Special notes: (1) The equipment must be lifted on all turns to avoid damage to coulters; (2) As the drill is a slow moving vehicle, road speed should not exceed 20 m.p.h. for drill transportation; (3) Lessee shall furnish a tractor of at least 50 horsepower for the use of the said equipment; (4) Lessee agrees to clean all seed boxes and lubricate the equipment after use - A \$50.00 fee will be assessed for failure to do so; (5) the Lessee must provide safe hitch pin suitable for the towing vehicle.

#### **Before transporting drill to and from field:**

\*Record acreage “beginning or start” reading

\*Attach tongue of drill to tractor.

#### **REMOVE JACK STAND;**

\*Hook up hydraulic hoses and REMOVE HYDRAULIC SUPPORT BLOCKS from sides of drill.

\*Be sure both sets of DISKS (front coulters & rear double disk openers) are FULLY RAISED!

\*Be sure that WHEEL HUB IS DISENGAGED!

\*Fill seed boxes. (Note: KEEP DRILL COVERED WHEN NOT IN USE! Wet seed will spoil, swell, and clog the machine!)

#### **While using drill in field:**

##### ENGAGE WHEEL HUB.

OPERATE at SLOW speed of 3-5 MPH (equivalent to 1-2 acres per hour).

If drill does not have 1/4 inch depth bands installed, CHECK PLANTING DEPTH REGULARLY and adjust as needed with hydraulics to get seed planted a MAXIMUM of 1/4 INCH deep (except gamagrass, which should be planted 1 inch deep).

Do NOT make any sharp turns or back up with disks lowered: RAISE HYDRAULICS AT END OF EACH ROW!

Check seed tubes regularly for blockage.

##### GREASE DRILL DAILY!

Do NOT put any lime or fertilizer in seed boxes!

#### **Upon return from field:**

Replace jack stand.

Be sure BOTH SETS OF DISKS are FULLY RAISED and HYDRAULIC SUPPORT BLOCKS have been REPLACED on the hydraulic cylinders of both sides of drill prior to disconnecting the hydraulic hoses!

Be sure HYDRAULIC HOSES are SECURED such that they will not drag on the ground or bang against anything during transport.

Unhook drill from tractor.

Before the drill is ready to go to the next user, please be sure to:

CLEAN any mud, grass, and other debris from DRILL as needed!

REMOVE any remaining seed from the boxes.

GREASE DRILL and record acreage meter for “finish” reading (A MUST)

Be sure that WHEEL HUB IS DISENGAGED for the next user to transport!

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