

PCD NO-TILL DRILL LEASE PROGRAM INFORMATION

1. **A contract needs to be signed and \$500 deposit left in office before moving and using the drill.** Proof of equipment rental insurance must be on file in office prior to use of the No-till drill.
2. Use will be allowed in fields with an NRCS determination. Fields without an NRCS determination will be approved on a case-by-case basis after physical inspection.
3. Valley and Blaine Counties may lease the drill on a case-by-case basis. Phillips County producers have first use of the drill.
4. **Transport** with a **heavy-duty ¾ ton pick-up** or larger, avoid sharp corners with bumper mounted hitch. A flagger either before, after or both will be utilized.
5. **Transport at 25 mph** with “oversized load” signs on drill and on flagman vehicle.
5. **ALWAYS turn the knob on the right rear drive wheel to the unlocked position** when moving drill on road or short distances.
6. With the drill should be an operator’s manual and seed opener depth adjusting tool (refer to photo in the operator’s manual for use). If not there, check with the previous user.
7. It is strongly recommended to **pull drill** with a **100 hp or larger tractor**.
8. **Drill is equipped with Pioneer male hydraulic hose ends**, the producer is responsible to furnish any adapters if needed.
9. Other than John Deere tractors “CLOSE” the valve with the tag on it. When using newer John Deere tractors turn “OPEN” both valves.
10. To check **down pressure on openers hold hydraulic lever for 10 seconds after openers contact ground then set desired pressure.**

<u>500 lbs in tilled soils</u>	<u>700 lbs in stubble or firm seed bed</u>	
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11. Turn wheel drive control knob on right rear wheel **to engaged position when you are ready to seed.**
12. Use the special tool to change the depth control on the openers, be sure to adjust openers on both front and rear gangs uniformly.
13. Each depth change notch equals about 7/16”, **use 1st or 2nd holes for grass or alfalfa seeding**, or about 5/8 or ¾” deep.
14. **Recheck seed placement depth** when **changing fields** or **different soils**.
15. The middle or **smaller box** is used for **smallest seeds**. The **front box** is used for **grain and grass seed**.
The **rear box** is used for **fertilizer**.
16. *****USE THE SEED CHART ON OUTSIDE OF OPERATORS MANUAL for MAIN SEED BOX.** Drill is NOT equipped with a ½ speed. This chart is different than what is indicated in the seed box and/or equipment manual.
17. Use the **standard setting** for the **small box** and **fertilizer boxes**.
18. It is best to check **seed cups** and **hoses** for **obstructions before setting seeding rate and filling with seed**.
19. Some **zerks** need **greased every 5 hours and some every 10 hours**. Use **NON-CLAY grease only**. Grease the openers and drive chains every 50 hours.
20. If you get stuck **do not raise openers** as this could cause support wheels to sink in deeper, also **don’t back up**, as this will plug the openers.
21. **NO 90-degree turns or sharp turns with openers in ground**, it works best to seed back and forth lifting openers at end of each pass.
22. **CLEAN LEFTOVER SEED AND DIRT FROM BOXES WHEN DONE** –Seed and dirt tend to transfer between boxes regardless of which box was used. Clean all boxes. **There will be a fee of \$50/hour for CD staff to clean the drill, and travel will also be charged.**
23. **YOU MUST CONTACT A SUPERVISOR OR CORA WHEN YOU ARE FINISHED WITH THE DRILL.**

Please sign below to acknowledge that you have read and understand the program information.

Name: _____ Date: _____

PCD Representative:

Leave this information with drill user.

Drill Calibration Instructions

Bulk seed X lbs/acre x 16oz/lb= _____ Total oz

Total oz/ (divided by) total openings on drill = ounces per opening 43,560 sq ft

per acre(divided by) width of drill= distance to travel

Example= producer wants to seed 8lbs/acre using a 10' drill with 7" spacing 8lbs/acre

x 16 oz/lb= 128 total oz

128 total oz/ 24 openings= 5.3 oz/opening

43560 sq ft per acre/ 10' drill = 2904'

You would need to get 5.3 ounces in a distance of 2904'. You could divide each number by 4 or 5 so you don't have to drive so far. Just make sure to divide both numbers by the same number.

Producer Initials: _____

PCD Representative Initials: _____

Drill Cleaning

You must clean the drill out thoroughly. This means vacuuming out the bins and then driving forward to loosen the seed/fertilizer up and vacuuming it out again. The bottom of the fertilizer box is able to unlatch to release any excess fertilizer left in there. Also, make sure the seed is out of the tubes as well. All boxes need to be cleaned, even if you don't use all the boxes. The drill MUST be power washed before returning it.

If the drill comes back with seed/fertilizer in the bins or if it is not power washed, you will be charged a minimum of \$50.00 plus an hourly rate to have it be cleaned. Your deposit will not be returned until the additional fees are paid. If not paid within 10 business days, the additional fees will be taken out of the deposit before it is returned.