



*Clearwater SWCD's No-till Drill can help increase the productivity of your land and improve soil health and water quality at the same time!*

### What is the cost for using the drill?

The drill is rented out to Clearwater County landowners at a rate of \$14/acre. This fee includes the delivery and pickup of the machine. There is a minimum charge of \$140. For landowners outside of the county an extra \$5/mile is assessed to the renter. Clearwater County landowners will get preference in scheduling. The renter is responsible for keeping the drill clean and in good working condition. The SWCD reserves the right to deny renting.

### Common Uses of the No-Till Drill:

- Introduction of clovers, grasses, and legumes to pasture or hay ground
- Establishment of cover crops following small grains
- Planting new stands of alfalfa/grass mixes for pasture or hay ground
- Planting native grass/flower mixes for CRP or buffers along waterways

## Who We Are

### About Us

Our mission is simple – to promote the wise use and improvement of our county resources, in order that future generations will inherit an economically viable county that has made wise choices in resource management.

### Contact Us

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## CLEARWATER SOIL & WATER CONSERVATION DISTRICT

### NO-TILL DRILL RENTAL PROGRAM



CLEARWATER  
SOIL & WATER  
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NO-TILL DRILL RENTAL  
PROGRAM

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Striving to Improve  
Water Quality  
Soil Health  
and  
Productivity



*Newly planted clovers and buckwheat coming up next to a dandelion on a renovated pasture ground.*

## What are the benefits of no-till operations?

### Improved Water Quality



Water quality benefits from the implementation of no-till practices adjacent to streams and lakes. Reducing tillage maintains root structures in the soil and residue on top of the soil to minimize wind and water erosion. Improved soil structure, pores in soil, also allow for water to infiltrate more quickly reducing runoff which can carry soil, nutrients and chemicals off of the landscape into waterways.



### Improved Soil Health

Reducing the amount of tillage yields great benefits for soil by reducing compaction, maintaining soil moisture, and improving infiltration as soil structure is allowed to develop. Undisturbed soils are allowed to develop pores and increased microbial life to create a more productive environment for plant growth.

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*“Water quality benefits from the implementation of no-till practices... by reducing runoff...”*

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### Improved Productivity

No-till practices can be utilized to introduce new species into existing pasture or hay ground. A diversified stand can result in more productivity and resilience to extreme conditions. Critical interactions between plant roots and microbial life are also better facilitated through reduced soil disturbance increasing water and nutrient uptake of plants.



*Clearwater County producer rejuvenating pasture ground with a mix of legumes and grass.*

### Features of the No-Till Drill

- 3 seed boxes with individual calibration
- 25 Bu main seed box
- 10 Bu grass seed box with agitator
- 2.5 Bu small seed box for legumes and similar seeds
- 15 row seeder with 7.5" spacing
- 10 ft. seeding width



*View of opener assembly on the Great Plains 1006NT Drill. A turbo coulter is followed by an offset double disc opener and three inch wide middle ribbed packing wheel.*