



**Perfect ditches, waterways and terraces
in half the time!**



Distributed throughout Michigan by:



There is simply no better way to make and maintain ditches, waterways and terraces.

The *Wolverine* scrapes and spreads the soil in a single operation, creating and maintaining ditches, waterways and terraces in half the time it takes with other equipment.

Key Benefits of the *Wolverine*:

- gets the job done in half the time of other equipment
- eliminates the operation of leveling the dirt piles or ridges left behind by scrapers, graders and bulldozers
- reduces field compaction compared to using other equipment
- reduces fuel and labor costs
- uses a five foot wide, flat cutting blade
- throws dirt to the left or right
- built with heavy duty construction
- driveline protection on the kicker shaft and the PTO shaft
- works in heavy clay soils
- can be used virtually throughout the growing season
- allows field equipment to easily pass through the ditches immediately after making them



The *Wolverine* moves up to 750 yards per hour.



Waterway in Manning, Iowa reshaped by the *Wolverine* one year prior.



The *Wolverine* maintaining terraces in Essex, Iowa.

Waterways and Terraces

The *Wolverine* is the best equipment available for reshaping waterways and maintaining terraces. The flat cutting blade leaves a smooth finish with the removal of the frost fingers. The rotating kicker shaft really chews up the sod and then spreads it evenly up to 150 feet to the left or right.

“Our waterways will last twice as long as when we used scrapers because of the nice bowl shape we can make with the *Wolverine*. Spreading the top soil at the same time as cutting saves so much time and fuel by not having to haul the dirt away and then go back and spread it out. I really believe the *Wolverine* is the best investment we have ever made for our farm.”

Adam Kerkhoff, Kerkhoff Farms, Audubon, Iowa

How it Works

The *Wolverine* uses a five foot wide cutting blade, similar to a land scraper, to make 2-6 inch cuts at 1-4 miles per hour. The dirt is forced into a rotating impeller that spins the dirt out – spreading it evenly for up to 150 feet on either side of the ditch, waterway or terrace. Combining scraping and spreading into a single operation saves time and cost. The smooth finished surface also allows immediate access for today's large seeding, tillage and harvesting equipment through and around the ditch or waterway.

The Wolverine Extreme delivers outstanding quality, durability and performance (up to 750 yards per hour)



“It is awesome, absolutely awesome,” Niverville farmer John Wiebe declared. Wiebe uses a 250 hp tractor and clears 400-500 yards of ditch per hour compared to 300 yards using a conventional scraper. “I would never even consider using another scraper after working with the Wolverine. And the finish is smooth... with no piles to deal with.”



An optional GPS on your Wolverine adds accuracy to your operation



Super heavy duty hydraulic reverser (reverses kicker shaft to clear soil for easy restart)



Clearly labeled and color coded hydraulic lines

Torque limiting clutch (eliminates shear bolts)



QuickSilver® plastic lining for chutes



Two 330 pound gear boxes with 2 3/4 inch output shafts



Guardian rubber dampeners between gear box and impeller shaft

GPS mounting bracket

Hardox® 500 3/8 inch impeller liners



Durable carbon steel wear edges on impeller paddles

Heavy duty Walterscheid PTO Shafts



All cylinders have nitro coated shafts

8000 lb. axles



Heavy duty auto clutch eliminates shear pins (tested over 1500 times without failure)

Hardox® 450 5/8 inch cutting blade



Heavy duty bearings on kicker shaft

Hardox® 450 5/8 inch kicker shaft paddles



Oil bath chaincase is narrower to reduce drag in soil



Paddles now sweep over the cutting blade keeping it cleaner

See the 15 questions you should ask before buying a ditcher on our website: www.dynamicditchers.com

www.dynamicditchers.com

Let's Compare Results

Using a scraper



With a scraper you are loading your bucket every couple of hundred feet and then you have to pull out and drive away to unload it. This is a lot of turning, realigning and bouncing around in the cab. When you're done you have piles of dirt all over the field that need to be smoothed out as a second operation.

Using the Wolverine



With the Wolverine making ditches is enjoyable and more relaxing than using a scraper. You glide down the ditch with ease, making several passes, as your five foot cut is nicely spread out 75 – 150 feet (no piles to smooth out later).

“We have put about 750 hours on our Wolverine since 2009. We like how fast it cleans out our ditches compared to a scraper and there are no piles to bother with after. We like the improvements we see on the 2012 Wolverine and we will be trading up this year.”

Philip Muir, Muir Farms, Hallock, MN



The Wolverine Story

“For years I have heard farmers complain about the equipment available for ditching their fields to control runoff,” recalls Adolf Vaags, a retired farmer and independent equipment salesman from Dugald, MB. “They would talk about the piles of dirt and the tractor tire ruts left behind when using a scraper and how hard it was on equipment when they have to go through these ditches later. Some would even farm around the ditches to avoid going through the ruts. I was aware of the rotary ditcher design but knew I could do better. I wanted to build a ditcher that would cut a flat bottom like a scraper, throw the dirt to the left or right, include driveline protection for the tractor and ditcher, work in heavy clay soils and be super heavy duty to last for years.”

“Between 1999 and 2007 many prototypes were built to get the machine to work in heavy clay soils. In 2007 two of my son's joined the company and we started our first production run in 2008. By the end of 2014 we will have about 275 machines across North America, one in Europe and one in Australia. Many of these machines have over 1000 hours on them and our customers are thrilled with their performance. We listen to our customers and their input has helped us improve the *Wolverine*. It's more durable than ever and we've added some requested features. Our top notch employees manufacture the *Wolverine* with the highest quality to ensure performance is second to none. It's the best ditcher money can buy.”

Features of the *Wolverine*

Feature	Benefit
Combined scraping and spreading operation	<ul style="list-style-type: none"> Reduces time in the field by up to half compared to other equipment. Reduces cost in fuel and labor. Eliminates the step of removing ridges left behind by graders or bulldozers when reshaping waterways.
Evenly spreads soil over a distance of 150 feet	<ul style="list-style-type: none"> No need for additional equipment for leveling out the soil that a scraper would leave behind. Less soil compaction without a heavy loaded scraper driving around the field.
Five foot wide, flat cutting blade	<ul style="list-style-type: none"> Allows other field equipment to cross the ditch smoothly. (No barrel cut like a rotary ditcher.) Able to taper the ditches easily for a smooth landscaped appearance.
Torque limiting clutch on PTO	<ul style="list-style-type: none"> Protects driveline and resets without having to replace shear bolts.
Auto clutch for kicker shaft	<ul style="list-style-type: none"> Allows kicker shaft to stop when hitting a large object - resets automatically.
Soil deflector chutes	<ul style="list-style-type: none"> Direct the soil a variety of distances to the left or right.
Oscillating rear wheels	<ul style="list-style-type: none"> Flexibility to make a flat cut or angled cut, as the situation requires.
Vertically oriented impeller disc	<ul style="list-style-type: none"> Throws the soil upwards for more effective usage in deep ditch situations. Provides for the even spread of soil over an extended distance.
Heavy duty construction	<ul style="list-style-type: none"> Built to last for trouble free operation. Adequate weight to easily cut through a variety of soil types and conditions.
Mounting bracket for GPS	<ul style="list-style-type: none"> Easily install laser or GPS system for controlled land grading.
Kicker drum paddles	<ul style="list-style-type: none"> Increased capacity as they rotate at 130 RPM and feed the soil into the impeller.
Plumb level (optional)	<ul style="list-style-type: none"> For monitoring the angle of the cut.
Hydraulic reverser	<ul style="list-style-type: none"> In the event that the auto clutch trips out, the hydraulic reverser easily reverses the kicker shaft to clear soil build up.
Rubber dampener	<ul style="list-style-type: none"> Absorbs driveline shock load between gearbox and impeller shaft to increase gearbox life.

Tractor Requirements for the *Wolverine*

Tractors with about 325 PTO horsepower and infinite speed transmissions are ideal but not required. The table below shows the ground speed and horsepower requirements for other tractors. Optimum ground speed is 1.0 to 2.2 MPH.

Ground Speed in 1st Gear with PTO at 1000 RPM	Heavy Clay Soils	Light Soils
1.6 MPH or slower	240+ PTO HP	180+ PTO HP
1.7 - 2.2 MPH	270+ PTO HP	220+ PTO HP
2.3 - 2.8 MPH	300+ PTO HP (reduce PTO to 900 RPM to achieve required ground speed)	



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