

Frequently Asked Questions

The most commonly asked questions about the Spreader/Grader™ and VersaPro™ graders and how they work.

What size grader unit fits my tractor?

Spreader/Grader™ and VersaPro™ units should be sized to cover the rear tread of the tractor and in consideration of the horsepower. Because the grader unit pulls through the surface as opposed to pushing it in front of blades it requires less horse power than traditional grader equipment. Refer to the specifications section for grader equipment and match your horsepower to the range of the particular model you choose.

What advantages does Spreader/Grader have over a box blade?

The Spreader/Grader™ and VersaPro™ grader units are designed with the unique high angle cutting edge, skid channel, flow-through design versus the box blade which is exactly as its name describes, a box. When working to grade or spread aggregate the Spreader/Grader and VersaPro pull through high and low spots evenly depositing material in low areas and removing high spots. The operator can allow the unit to glide whereas with a box blade the operator must continuously monitor and adjust the draft of the tractor.



What advantages does Spreader/Grader have over a motorized grader?

The Spreader/Grader™ and VersaPro™ grader units work from an entirely different principle than that of a motorized grader. The motorized grader relies on brute force and power to blade and push the soil across the blade face depositing it in a windrow on one side or the other. Because the motor grader has a center mounted cutting edge (placed between the front and rear wheels), as its frame moves up and down as a result of any surface changes the cutting angle and glide of the blade change leaving an uneven road surface. The Spreader/Grader™ and VersaPro™ are mounted behind the tractor and glide along the surface on an independent skid frame, allowing it to be impervious to the up or down movement of the tractor as it travels along the road. This allows the Spreader/Grader and VersaPro to achieve a much smoother finish in a single pass. Plus, because the unit is mounted behind the tractor, the graded surface is left without tire tracks.

How does the Spreader/Grader and VersaPro recycle gravel?

Unlike a motor grader, the Spreader/Grader™ and VersaPro™ utilize the patented acute angle, flow through cutting edge assembly. This allows the edges to cut a layer of the road surface up and into the mix zone (the area between the forward and rear cutting edge). The material is blended and allowed to flow over the rear cutting edge in an even, sifted quality, placing the gravel back onto the top of the road surface.

How can the Spreader/Grader or VersaPro crown a road?

The grader's design allows several degrees of camber (tipping from side to side) by adjusting the 3-point lift arms on the tractor, allowing it make a crown. The combination of the units angled blade configuration coupled with the unit being set to an angle, pushes road material toward the center of the road.

How long do the cutting edges last?

The life of the cutting edges is a direct relationship with the type of road surface being graded. The cutting edges are standard 1/2 X 6 motor grader style cutting edges. On average the cutting edges last considerably longer than its motor grader counterpart. The primary reason for longer life is a combination of a more acute cutting angle and a more even cutting contact with the surface of the road. An internal study conducted over a two year period showed that the pounds remaining on cutting edges of Spreader/Grader™ equipment was much less than the amount of weight remaining on cutting edges removed from motor grader blades. Motor grader blades tend to wear in a half moon shape whereas a cutting edge on a Spreader Grader wears evenly across its entire edge.

How strong are the moldboards?

The moldboards (that section of the unit that are mounted with cutting edges) depending on the specific model are made of 1/2" to 5/8" high strength steel, they are extremely rugged and resistant to breakage under most operations. With the power and momentum of a tractor or skid loader, hitting a rock, stump or some other immovable object can occasionally cause the moldboard to break free by shearing the four low stress mounting bolts. This safety feature is designed to avoid moldboard failure. If this occurs, resetting moldboard and replacing bolts with new low stress bolts will put the unit back into service. If an extreme encounter with an immovable object does occur, damaging the moldboard section, replacement parts are readily available by contacting our customer service department.

How long do the skid shoes last?

This is a hard question to answer with a definitive answer due to the many types of use and variable surface conditions. In the heavy use category of grading graveled roads the skid shoes typically have shown over 1500 hours of operation between replacement. In soil conditions it is normal to get several years from the original set. Replacement skid shoes are readily available by contacting our customer service department.

Can the cutting edges be adjusted?

Yes, the cutting edges are mounted onto high strength moldboards with two sets of mounting holes. Plus in some units the side skid pans have two sets of moldboard mounting holes allowing a the moldboard to be lowered by 1/2 inch to regain cutting edge effectiveness.

Can scarifier tines be installed on my grader unit?

Yes, we manufacture retrofit kits that are easily bolted onto the front cross member placing scarifier tines directly forward to the front cutting edges. Additionally, the forward cutting edge can be replaced with a serrated cutting edge which functions much like a