

Super
500

Reliable Craftsmanship Precise Performance

Willmar® pull-types have reliable craftsmanship and precise performance built in from the ground up. From the handcrafted fit and finish detail, to an award winning spread pattern, precision stainless steel assembly, corrosion-resistant phenolic flooring and heavy-towing hitches with safety chains, these machines have withstood the toughest test ... time. The two part epoxy primer and polyurethane paint finish provide added durability and lasting value.



Model	S-500
Hopper Capacity - Struck	160 cu. ft. (4.53 cu. m.)
Hopper Capacity - Heaped	175 cu. ft. (4.96 cu. m.)
Weight - Empty	2,150 lbs. (975 kg.)
Max Gross Weight	14,000 lbs. (6,350 kg.)
Length	181 in. (459 cm.)
Height	80 in. (203 cm.)
Width	92 in. (233 cm.)
Spinner RPM	750-850

STANDARD EQUIPMENT

- Hopper:** 12 gauge 409 stainless steel, with continuous weld construction
- Conveyor drive chain:** RC-2050 stainless steel chain
- Ground drive chain:** RC-50 stainless steel chain
- Spinners:** Single or dual with four adjustable curved blades on each
- Phenolic flooring:** Plastic floor allows material to flow easily without build-up under the conveyor chain
- Metering system:** Hand operated lever allows correct gate adjustment without binding
- Material divider:** Accurately delivers fertilizer to spinners
- Conveyor drive:** Two speed conveyor belt allows for more application flexibility
- Manual conveyor control:** Mechanical rope control from drivers seat turns conveyor off and on
- Hitch safety chain:** ASAE 20,000 lbs. rating
- Heavy duty hitch:** Extended tongue makes for simple hitching and turning
- Skid and rear end:** 12 gauge 409 stainless steel
- Suspension system:** Center mount, multi-leaf springs with rocker arms, equals load distribution.
- Axles:** Dual axles without brakes, mounted to frame with leaf springs
- Tires:** 12.5 x 12.5 – 8 Ply Tubeless
- Lighting:** ASAE S279 lighting package connects to the implement with an SAE J560 compatible, 7-terminal plug.
- Decals:** Set of safety, operation and maintenance decals, in English, includes identification labels
- Primer:** High-performance, two-component epoxy primer
- Paint:** Two-component, high performance polyurethane

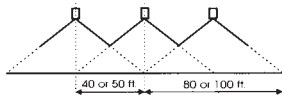
OPTIONAL EQUIPMENT

- Engine drive:** 8 H.P. Honda gasoline engine to drive the spinner system
- 540 rpm PTO:** Runs 40 or 50 ft. spinner distributors
- 540/1000 rpm PTO:** Easy change shaft for quick selection of either 540 or 1,000 rpm to run the 40 or 50 ft. spinner distributors
- Axles:** Available in 62" and 88", with 2 or 4 wheel brake options
- Tarp:** Heavy 16 oz. nylon neoprene treated tarps with shock cord custom made for specific size
- Kwik-top:** Easy open kwik-top cover with safety lock
- Hydraulic conveyor control:** Turns conveyor off and on with hydraulics
- 40 ft. Dual spinners:** Creates overall swath width of 80 ft. (24.4 meters)
- 50 ft. Dual spinners:** Creates overall swath width of 100 ft. (30.5 meters)

S-500 CONFIGURATIONS

S-500 Dual Spinner

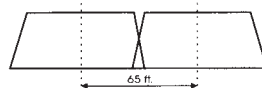
Dual spinner models with the 40 or 50 ft. (12.2 meters or 15.2 meters) spinner option deliver an 80 or 100 ft. (24.4 meters or 30.5 meters) total spread pattern width using a 100% overlap pyramid type pattern.



The dual spinners can reduce spread pattern variations due to wind and rough terrain, and although it is necessary to maintain correct driving intervals to achieve a proper application rate, dual spinners can also reduce spread pattern variations caused by inaccuracies.

S-500 Single Spinner

Single spinner models deliver a 65 ft. (19.8 meters) total spread pattern width, using a single pass flat type pattern.



A 65 ft. (19.8 meters) driving interval allows for less trips across the field, resulting in a more economical operation.

S-500 Standard Track Width Options

For the S-500, there is a 77" (196 cm.) track width option, (with no brakes, 2 brakes or 4 brakes), or the 88" (224 cm.) option (no brakes only).



Two Speed Conveyor

The two-speed conveyor belt offers additional application flexibility. It provides application rates less than 100 pounds per acre, to more than one ton per acre.



Material Delivery

The material divider accurately delivers fertilizer to the spinners. The adjustable baffle plate allows you to precisely determine material flow for various fertilizer weights and sizes.



Metering System

The hand lever aligns the pointer with the corresponding gate opening number. The stainless steel gate moves freely in the V-shaped guides, with no binding or gate freeze-up.



Conveyor Ground Drive

This dependable drive system delivers the fertilizer to the gate opening. A slip clutch prevents damage to drive components if the conveyor belt accidentally stops.



Suspension System

A multi-leaf spring suspension system with rocker arms, provides the most reliable method of equal load distribution.

S-500 Narrow Track

The Super 500 Narrow Track has all the proven features of the standard Super Series. The 62" (157 cm.) wheel track width is designed for 30" (76 cm.) row crop applications, and offers 2 or 4 brakes. Additionally, there are the 64" (163 cm.), 66" (168 cm.), 68" (173 cm.), 70" (178 cm.) or 72" (183 cm.) all without brakes.

S-500 Narrow Track Single Spinner

The Super 500 NT single spinner features a 65 ft. (19.8 meters) total spread width using a single pass, flat type pattern. A 65 ft. driving interval requires less trips across a field. The narrow 62" (157 cm.) wheel track width operates well in 30" (76 cm.) row crop applications. Combined, it delivers an accurate and economical row crop application.

