

CROP NUTRIENTS

WILLMAR SPREADERS & TENDERS



Willmar[®]

GRAINSYSTEMS.COM

PROVEN & DEPENDABLE™



BIG PERFORMANCE. BIGGER SUPPORT.

Willmar® is the benchmark for dry fertilizer Spreaders and Tenders. Each model is designed and manufactured to provide years of reliable service.

From the sales process to full-service product support, your Willmar dealer is committed to delivering an ownership experience that matches the professional-level performance you demand from all your new equipment.

Best-in-class performance and best-in-class support... it's what you can expect from Willmar.

DELIVERING DEPENDABLE DURABILITY



S-150

NIMBLE AND QUICK

- ▶ SMALL AND PRECISE.
- ▶ ORCHARD FRIENDLY.



S-500

THE CREAM OF THE CROP

- ▶ CONSTANT, EVEN FLOW.
- ▶ ADDED SAFETY.
- ▶ CUSTOMIZABLE.
- ▶ SMOOTH OPERATION.




S-600 & S-800

NO JOB IS TOO BIG

- ▶ QUICK SETUP.
- ▶ DRIVEN FOR SUCCESS.
- ▶ CONVEY IT BETTER.
- ▶ SEE AND BE SEEN.

SPREADERS



Willmar spreaders can help improve your margins by delivering fertilizer more accurately and efficiently. They've long been acknowledged for their durability, ease of operation and agility.

The S-150's dual spinners deliver material in a 100% overlap pyramid pattern, reducing spread variations due to wind and rough terrain. With the addition of the optional deflector and spread up to 25 feet, material is delivered to the center of orchard rows.

The S-500's two-speed conveyor controls application rates while a hand-lever meters flow. And with the optional dual spinner, material is delivered in a 100% overlap pyramid pattern.

The stainless steel gate prevents binding or freezing. The front-to-rear adjustable baffle plate accommodates material density, weight, size variations, and the multi-leaf, spring suspension positioned on both sides of each axle reduces bounce and improves stability.

For added safety, two- or four-wheel hydraulic surge brakes are optional.

Spend more time in the field and less time loading with the higher-capacity S-600 and S-800.

A simple two-speed chain and gear conveyor system is directly driven by the spreader's ground speed; a slip clutch prevents damage if the belt unintentionally stops. Application rates range from 311 to 1,033 pounds of material per acre. Configurable with single or dual-spinner.

Shields guide the slackened chain over the cross members to prevent metal-to-metal contact.

SPREADER SPECIFICATIONS

	HOPPER CAPACITY STRUCK/HEAPED	WEIGHT EMPTY	MAX. GROSS WEIGHT	DIMENSIONS	DRIVE OPTIONS
S-150	Struck: 50 cu. ft. Heaped: 54 cu. ft.	1,470 lbs.	7,000 lbs.	Overall Length: 14'3" Overall Height: 4'6" Hopper Length: 8' Hopper Width: 5'	540 RPM PTO
S-500 AND S-500 NT	Struck: 160 cu. ft. Heaped: 175 cu. ft.	2,150 lbs.	14,000 lbs.	Overall Length: 15'1" Overall Height: 6'8" Hopper Length: 8' Hopper Width: 7'8"	540 RPM PTO 540/1000 RPM Dual-Drive PTO 8 HP Engine Drive
S-600 AND S-600 NT	Struck: 200 cu. ft. Heaped: 220 cu. ft.	3,100 lbs.	16,500 lbs.	Overall Length: 18'3" Overall Height: 6'10" Hopper Length: 10' Hopper Width: 7'8"	540 RPM PTO 540/1000 RPM Dual-Drive PTO 8 HP Engine Drive
S-800	Struck: 250 cu. ft. Heaped: 270 cu. ft.	3,400 lbs.	20,000 lbs.	Overall Length: 18'3" Overall Height: 7'7" Hopper Length: 10' Hopper Width: 7'8"	540 RPM PTO 540/1000 RPM Dual-Drive PTO 8 HP Engine Drive



SPREADER SPECIFICATIONS

AXLES/SUSPENSION	TIRES	TRACK OPTIONS	STANDARD ALL MODELS
Single Axle Built to 9,000 lb. Capacity with 4,500 lb. Hubs	11L X 15, 8-PLY	N/A	HOPPER CONSTRUCTION 12 ga. 409 Stainless Steel FRAME MATERIAL 1/8" Wall Rectangular Steel Tube with Steel Gussets, Braces CONVEYOR CHAIN 7"-W HD 304 SS; 1"x1" Mesh DRIVE CHAINS RC-2050, 304 SS Conveyor RC-50, 304 SS Ground CONVEYOR ENGAGE/DISENGAGE Mechanical; Driver's Seat Rope Control. Optional Hydraulic Control PAINT 2-part, High-Performance, Chemical Resistant Epoxy Primer. 2-part, Modified High-Gloss Acrylic Urethane Paint LIGHTING Rear Turn Signals, Flashers, Amber Warning Lights (meet ASAE S279)
Dual Axles Built to 9,000 lb. Capacity with 4,500 lb. Hubs	11L X 15, 8-PLY; 12.5L X 15, 8-PLY	S-500 <ul style="list-style-type: none"> • 77" or 88", No Brakes • 77" with 2- or 4-Wheel Brakes S-500 NT <ul style="list-style-type: none"> • 62", 64", 66", 68", 70", 72" with No Brakes • 62" with 2- or 4-Wheel Brakes 	
Dual Axles Built to 11,580 lb. Capacity with 5,790 lb. Hubs	16.5L X 16.1, 8-PLY	S-600 <ul style="list-style-type: none"> • 75" or 88" with 2- or 4-Wheel Brakes S-600 NT <ul style="list-style-type: none"> • 62" with 2- or 4-Wheel Brakes 	
Dual Axles Built to 11,580 lb. Capacity with 5,790 lb. Hubs	19L X 16.1, 10-PLY; 11.25 X 24, 12-PLY (with 88" track width option only)	S-800 <ul style="list-style-type: none"> • 75" or 88" with 4-Wheel Brakes 	



HIGH CAPACITY, EFFICIENT LOADING



SIDE SHOOTER 16/24

LOADS OF CAPACITY & FEATURES

- ▶ MOVE UP TO 2 TONS PER MINUTE.
- ▶ TRUCK OR TRAILER MOUNTED.



REAR DISCHARGE

SERIOUS MATERIAL HANDLING

- ▶ IDEAL FOR COMMERCIAL FERTILIZER DEALERS, CUSTOM APPLICATORS AND LARGE FARMING OPERATIONS.

The right tender makes all the difference when moving tons of material.

Hoppers are easily unloaded by using two stainless steel gate control handles, and cleanout is easier and safer with new standard ports on the auger side. The wide-mouthed bottom dump gate is perfect for pit unloading. The PTO-powered pump on the hydraulic drive includes a 25-gal. hydraulic oil reservoir. Separate controls for on/off horizontal and side discharge, fold/unfold, auger raise/lower plus, and optional vibrators. The one-piece adjustable, swing-away auger engages with spring-loaded back to eliminate spillage and returns to a standard cradle when not in use.

Rear discharge tenders offer per-minute discharge rates ranging from 2400 pounds of urea to 4000 pounds of potash. Rear-mounted ladders provide accessibility to the hoppers and help you monitor the status of fill and flow. Controls for the auger on/off and raise/lower are conveniently located on the left rear corner. The tender's self-contained hydraulic system is PTO-driven with 10-gallon reservoir. Cleanout is quick and thorough with fast-flow, stainless steel sides.

TENDER SPECIFICATIONS

	HOPPER CAPACITY STRUCK/HEAPED	HOPPER COMPARTMENTS	WEIGHT EMPTY
SIDE SHOOTER 16/24	16-TON Struck: 516 cu. ft. Heaped: 570 cu. ft.	16-TON Four @ 142.5 cu. ft.	16-TON 4,940 lbs.
	24-TON Struck: 774 cu. ft. Heaped: 855 cu. ft.	24-TON Six @ 147.5 cu. ft.	24-TON 7,200 lbs.
REAR DISCHARGE 1600	Struck: 500 cu. ft. Heaped: 560 cu. ft.	Two @ 250 cu. ft.	2,720 lbs.



TENDER SPECIFICATIONS

DIMENSIONS	AUGER LENGTH	AUGER DISCHARGE	STANDARD ALL MODELS
16-TON Overall Length: 21' Overall Width: 8'6" Hopper Length: 16' Hopper Width: 8' Slope Minimum: 40' 24-TON Overall Length: 21' Overall Width: 8'6" Hopper Length: 24' Hopper Width: 8' Slope Minimum: 40'	16-TON Length: 17' 24-TON Length: 17' or 20'	16-TON OR 24-TON Discharge Height: 17' Maximum Height: 16'8" Minimum Height: 10'7" Auger Reach Max: 11'2" Auger Reach Min: 6'1" 24-TON Discharge Height: 20' Maximum Height: 19'3" Minimum Height: 11'11" Auger Reach Max: 13'10" Auger Reach Min: 7'9"	DISCHARGE CAPACITY 4,000 lbs./min @ 500 RPM HOPPER MATERIAL 14 ga. 409 SS HOPPER HEIGHT ABOVE TRUCK FRAME 6'11" AUGER DIAMETER 10" PAINT 2-part, High-Performance, Chemical Resistant Epoxy Primer, 2-part, Modified High-Gloss Acrylic Urethane Paint LIGHTING Complete Light Kit Meets DOT Specifications
1600 W/ 19' AUGER Overall Length: 27'7" Overall Width: 8' Hopper Length: 16' Hopper Width: 8' Slope Minimum: 30' 1600 W/ 21' AUGER Overall Length: 29'10" Overall Width: 8' Hopper Length: 16' Hopper Width: 8' Slope Minimum: 30'	Length: 19' or 21'	1600 W/ 19' AUGER Discharge Height: 19' Maximum Height: 11'11" Minimum Height: 9' Auger Reach Max: 10'2" Auger Reach Min: 9'1" 1600 W/ 21' AUGER Discharge Height: 21' Maximum Height: 21'11" Minimum Height: 9'8" Auger Reach Max: 12'1" Auger Reach Min: 10'10"	



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