

SALFORD

MECHANICAL

HYDRAULIC

BBI SPREADERS

SALFORD



BUILT FOR SOIL PRODUCTIVITY.

Producers worldwide have utilized a set of practices paired with technological advances to push the envelope of farming to new heights of economic performance, field conservation, and sustainability.

Every step of the way, Salford has embraced precision agriculture, empowering our customers with equipment, hardware, software, and options that bring their crop science to maximum potential.



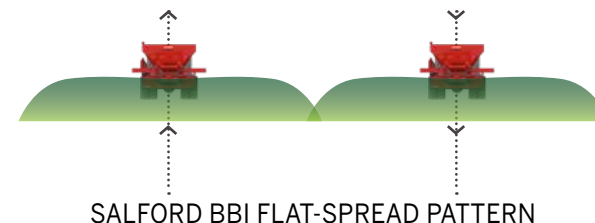
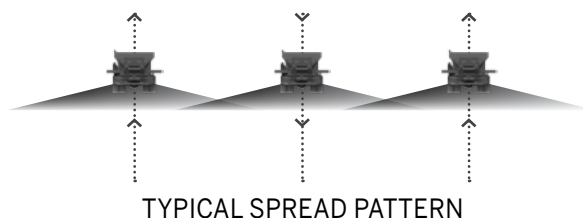
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THE FLAT-SPREAD PATTERN OF ALL SALFORD BBI SPREADERS

When properly calibrated, Salford BBI spreaders will output an even product distribution or flat spread pattern. This flat spread pattern allows the driving interval to equal the swath resulting in minimal or no overlap. The benefit of this pattern is fewer passes, less time in the field, less fuel use, and less risk of soil compaction.

Typical results from spinner spreader pan tests, indicate that the amount of product spread will taper off from the outside of the swath, resulting in additional passes, significant overlap of material, product waste and higher risk of soil compaction.



MECHANICAL SPINNER SPREADERS

STRAIGHT RATE RELIABILITY

Salford's BBI mechanical spreaders are engineered for simple, reliable operation with maximum application widths. These spreaders are designed for faster application. Heavy duty components and superior design mean less down time. Wider swaths mean less time spreading and less fuel required.

Salford's dependable mechanical spreaders give operators confidence in their application practices, knowing that they are achieving accurate rates to feed their crops throughout the season.

CAL ERS



GRASSHOPPER



FERTILIZER

- ✓ PTO Driven Spinners: Up to 60-ft.
- Hydraulic Spinners: Up to 80-ft.*

AG LIME

- ✓ UP TO 60-FT.

LIBERTY



- ✓ PTO Driven Spinners: Up to 60-ft.
- Hydraulic Spinners: Up to 80-ft.*

- ✓ UP TO 60-FT.

TROOPER



- ✓ PTO Driven Spinners: Up to 60-ft.
- Hydraulic Spinners: Up to 80-ft.*

* Hydraulically Driven Spinners require 21-GPM @ 2000-PSI for maximum swath width.

MECHANICAL DRIVE



GRASSHOPPER

Our high clearance 5-Ton fertilizer, 7-Ton lime spreader, designed for precision application of top dressings and row cropping. Rounded payload capacity of 189 cubic feet. The stainless steel hopper is 9 feet long and 8 feet wide with 45 degree angle sides. This unit is PTO and ground wheel driven optional tractor supplied hydraulic spinners.

SINGLE AXLE | 9-FOOT HOPPER



LIBERTY

BBI Liberty pull-type spreaders are designed to be the toughest, most durable fertilizer and lime spreaders on the market. With BBI's rugged design and construction you can apply more efficiently, saving you time and money.

TANDEM AXLE | 10-FOOT HOPPER



TROOPER

Designed for fleet applications, BBI Trooper is easy to operate and is towable with almost any type of vehicle. Flotation tires prevent soil compaction, making this applicator ideal for small to medium-capacity jobs in a variety of settings, from row crops to sod/turf farms.

TANDEM AXLE | 10-FOOT HOPPER

	GRASSHOPPER	LIBERTY	TROOPER
Hopper Size	<ul style="list-style-type: none"> 9-ft. Standard Body Hopper - 180 cu-ft capacity 	<ul style="list-style-type: none"> Choice: 10-ft. Standard Profile Hopper 200 cu-ft capacity 10-ft. High Profile Hopper 220 cu-ft capacity 	<ul style="list-style-type: none"> 10-ft. Hopper 270 cu-ft capacity
Hopper Material	<ul style="list-style-type: none"> Choice: 409 Stainless Steel, Painted Choice: 304 Stainless Steel 	<ul style="list-style-type: none"> Choice: 409 Stainless Steel, Painted Choice: 304 Stainless Steel 	<ul style="list-style-type: none"> 409 Stainless Steel, Painted
PTO Drive	<ul style="list-style-type: none"> Choice: 540 RPM Series 6 CV Joint PTO Shaft 1000 RPM Series 6 CV 1-3/4 20 Spline 1000 RPM Series 6 CV 1-3/8 21 Spline 	<ul style="list-style-type: none"> Choice: 540 RPM Series 6 CV Joint PTO Shaft 1000 RPM Series 6 CV 1-3/4 20 Spline 1000 RPM Series 6 CV 1-3/8 21 Spline 	<ul style="list-style-type: none"> Choice: 540 RPM Series 6 CV Joint PTO Shaft 1000 RPM Series 6 CV 1-3/4 20 Spline 1000 RPM Series 6 CV 1-3/8 21 Spline
Spinner Drive	<ul style="list-style-type: none"> Standard: PTO Driven Spinners Optional: Hydraulic Plug-To-Tractor Spinners (Plug-To-Tractor), requires 21 GPM @ 2000 PSI 	<ul style="list-style-type: none"> Standard: PTO Driven Spinners Optional: Hydraulic Plug-To-Tractor Spinners (Plug-To-Tractor), requires 21 GPM @ 2000 PSI 	<ul style="list-style-type: none"> Standard: PTO Driven Spinners Optional: Hydraulic Plug-To-Tractor Spinners (Plug-To-Tractor), requires 21 GPM @ 2000 PSI
Metering Drive Options	<ul style="list-style-type: none"> #60 stainless steel ground drive chain Standard: Press Wheel Pneumatic Tire Optional: Metal Press Wheel 	<ul style="list-style-type: none"> #60 stainless steel ground drive chain Standard: Press Wheel Pneumatic Tire Optional: Metal Press Wheel 	<ul style="list-style-type: none"> #60 stainless steel ground drive chain Standard: Press Wheel Pneumatic Tire Optional: Metal Press Wheel
Primary Metering	<ul style="list-style-type: none"> Standard: 16-in. Stainless Mesh Chain Optional: 20-in. Stainless Steel Mesh Chain 	<ul style="list-style-type: none"> Standard: 16-in. Stainless Mesh Chain Optional: 20-in. Stainless Steel Mesh Chain 	<ul style="list-style-type: none"> 8-in. Stainless Steel Mesh Chain
Axle	<ul style="list-style-type: none"> 12-Ton rigid, high-clearance axle for row-cropping & top dressing 72-in. track width (68 - 80-in. track available on request) 	<ul style="list-style-type: none"> Standard: 7-Ton Torsion-Flex Tandem Axle (12.5 X 15 implement tires with 6-Bolt Hub) Optional: 9-Ton Heavy Duty Tandem Axle Suspension (16.5 X 16.1 R3 tires & 8-Bolt Hub) Optional: 10-Ton Walking Beam (16.5L X 16.1 R3 Tires & 8-Bolt Hub) Includes Heavy Duty Jack 	<ul style="list-style-type: none"> 10,000-lb. Torsion-Flex Tandem Axle
Tire & Wheel Options	<ul style="list-style-type: none"> Standard: 11.25 x 28 Tires & Wheels Optional: 440/80R28 Tires & 15 x 28 Wheels 	<ul style="list-style-type: none"> 7-Ton Torsion-Flex suspension Standard: 12.5L x 15 6 bolt wheels & tires 9 & 10-Ton Suspension Standard: 16.5L x 16.1 R3 Tires & 8-Bolt Wheel Optional: 16.5L x 16.1 Ribbed Implement Tires & 8-Bolt Wheel Optional: 21.5L x 16.1 R3 Tires in lieu of Standard 16.5L x 16.1 R3 (Note: overall width is approx. 106-in.) Optional: 21.5L x 16.1 Ribbed Implement Flotation Tires in lieu of Standard 16.5L x 16.1 R3 (Note: overall width is approx. 106-in.) Optional: 500/45-22.5 Tires in lieu of Standard 16.5L x 16.1 8 Bolt wheels & tires 	<ul style="list-style-type: none"> 21.5L X 16.1 Flotation Tires with 8-Bolt Hub
Monitors Options & Rate Control	<ul style="list-style-type: none"> Optional: Spinner Speed Monitor Kit 	<ul style="list-style-type: none"> Optional: Spinner Speed Monitor Kit 	<ul style="list-style-type: none"> Optional: Spinner Speed Monitor Kit
Tarp	<ul style="list-style-type: none"> Standard: No Tarp Option: 9-ft. Tarp for Standard or high Profile Hoppers Aluminum End Caps Option: 9-ft. Tarp for for Standard or High Profile Hoppers Stainless End Caps 	<ul style="list-style-type: none"> Standard: No Tarp Option: 10-ft. Tarp for Standard or high Profile Hoppers Aluminum End Caps Option: 10-ft. Tarp for for Standard or High Profile Hoppers Stainless End Caps 	<ul style="list-style-type: none"> Standard: No Tarp Option: 10-ft. Tarp for Standard or high Profile Hoppers Aluminum End Caps
Tail Light	<ul style="list-style-type: none"> Standard: No Tail Lights Optional: Rear Tail Lights with Turn Signal, Side Markers, Wired with Corrosion Resistant Wiring Kit 	<ul style="list-style-type: none"> Standard: No Tail Lights Optional: Rear Tail Lights with Turn Signal, Side Markers, Wired with Corrosion Resistant Wiring Kit 	<ul style="list-style-type: none"> Rear Tail Lights with Turn Signal, Side Markers
Hopper Ladder	<ul style="list-style-type: none"> Standard: No Hopper Ladder Optional: Ladder for Carbon Steel Hopper 	<ul style="list-style-type: none"> Standard: No Hopper Ladder Optional: Ladder for Carbon Steel Hopper Optional: Ladder for Stainless Steel Hopper 	<ul style="list-style-type: none"> Standard: No Hopper Ladder Optional: Ladder for Carbon Steel Hopper

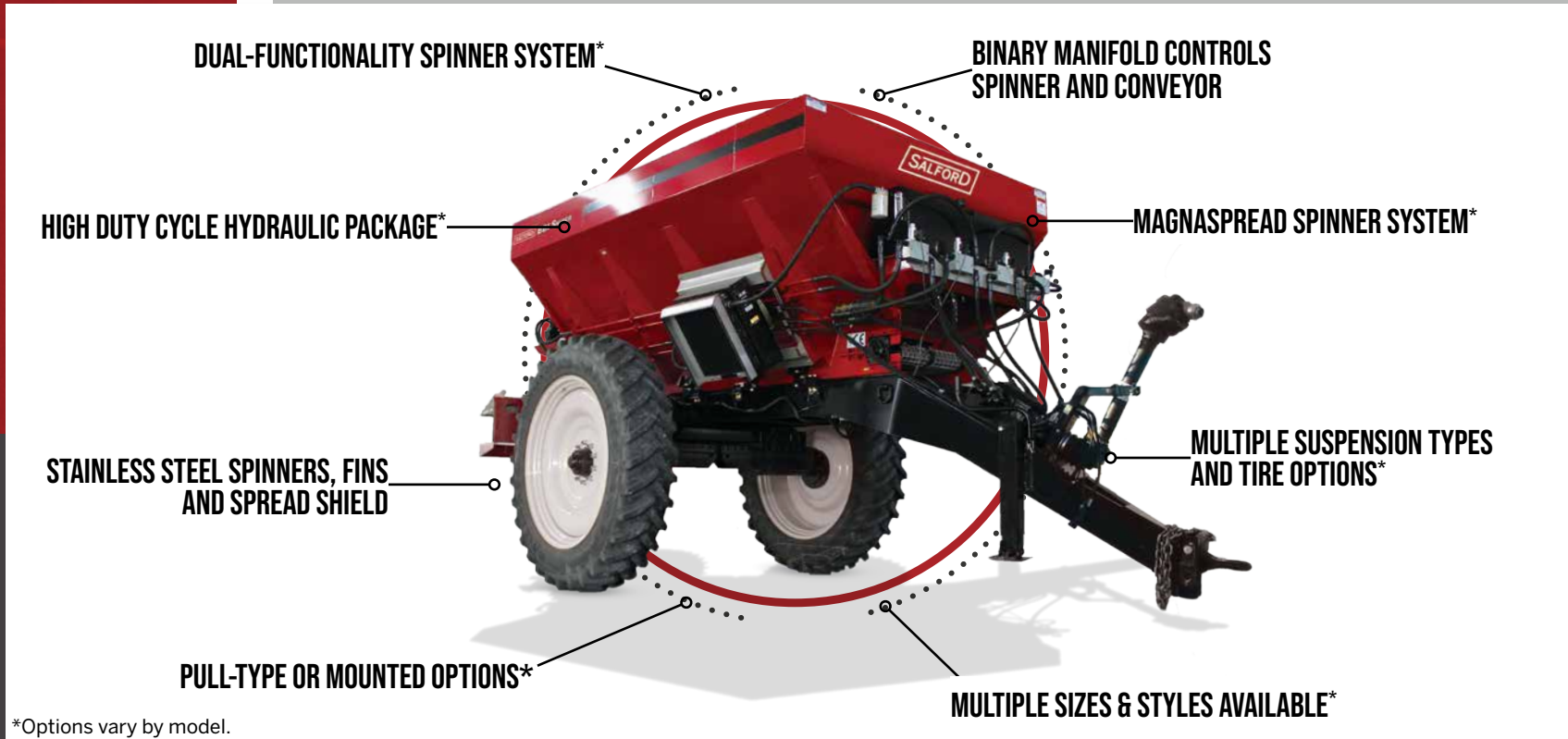
HYDRAULIC SPINNER SPREADER

PRECISION VARIABLE RATE

Salford's BBI hydraulically driven spreaders build on the reliability of the mechanical machines, with added capabilities for precision, variable rate application. The proprietary Binary Manifold allows Salford spreaders to pair with almost any ISOBUS control system allowing growers to use their existing monitor. Or Salford can also supply rate control packages to meet your application needs.

Salford spreaders are full of industry-leading technology. The revolutionary Sniper spreader features application widths up to 120-feet and simple, reliable swath control. The MagnaSpread Plus allows for application widths up to 120-feet with fertilizer. It then quickly converts to apply up to 60-feet with lime.

IC RS



	SNIPER	MAGNASPREAD+ 12ft & 20ft	MAGNASPREAD	GRASSHOPPER HDR	LIBERTY HDR	CRICKET
FERTILIZER	✓ UP TO 120-FT.	✓ UP TO 120-FT.*	✓ UP TO 80-FT.	✓ UP TO 80-FT.	✓ UP TO 80-FT.	✓ UP TO 80-FT.
AG LIME		✓ UP TO 60-FT.*	✓ UP TO 60-FT.	✓ UP TO 60-FT.	✓ UP TO 60-FT.	✓ UP TO 60-FT.
ORGANICS						✓ UP TO 60-FT.

* MagnaSpread Plus models require a spinner change for maximum swath width with each material.



High Duty Cycle Hydraulic Package

The high duty cycle hydraulics option is engineered for continuous use spreading on large farms and commercial operations. The high duty cycle hydraulics option utilizes a combination of special hydraulic pumps and an oil cooler system to keep large commercial units running at optimal temperatures for longer periods of time.

The High Duty Cycle Hydraulics enhance the operation of MagnaSpread units that:

- Frequently spread large amounts of lime
- Use high-capacity spreader bodies (recommended for 16 foot bodies and larger)

BBI HYDRAULIC VALVES OPTIONS

BBI hydraulic valve options increase the versatility of your spreader by allowing the equipment to handle a wider range of rates, application speeds, and weight of material.

HY-TORQUE MANIFOLD OPTION

Delivering added torque to the spreader's spinners when activated, the Hy-Torque manifold is engineered to maintain swath width and accuracy when spreading heavy material.

HIGH SPEED CONVEYOR VALVE OPTION

Designed to double the available conveyor speed, units equipped with the high speed conveyor valve option are able to increase application rates and/or ground speeds.

THE HIGH DUTY CYCLE
HYDRAULIC PACKAGE GIVES
YOUR SPREADER ADDITIONAL
CAPABILITY FOR:

HIGHER GROUND SPEED



HIGHER SPREAD RATES



STAY COOLER LONGER





PRECISION TECHNOLOGY

Salford BBI is a pioneer in ISOBUS 11783 compatible precision control technology. Options like variable rate application, left/right section control, and swath control, can be achieved with factory-offered Electronic Control Units (ECU) that are compatible with a wide range of in-cab consoles. Salford BBI ISOBUS compliant control options* maximize your farm's total investment in precision application technology by allowing you to use one, or many, of the consoles you already use on your farm today to run your Salford BBI equipment.

In order to maximize the compatibility and versatility of Salford BBI implements, our equipment is also compatible with a wide range of ECUs. By maximizing the implements compatibility with other ECUs you can use almost any terminal to control your Salford spreader.

ECU SYSTEM COMPATIBILITY

Compatible with these systems. Call for updated display compatibility. Monitors not included.



	Mueller Touch800®	John Deere 2630 / 4640®	Case IH Pro700®	New Holland Intelliview IV®
RATE CONTROL	●	●	●	●
SECTION CONTROL	●	●	●	●
PRESCRIPTION	●	●	●	●

Mueller Touch800® - Requires a TC upgrade for Prescription and a Section Control unlock

John Deere 2630 / 4640® - Requires a Section Control unlock

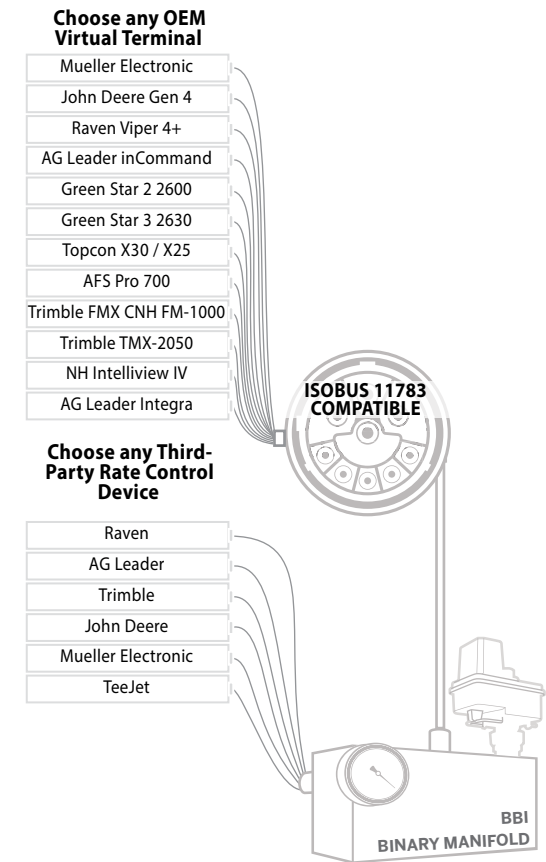
Case IH Pro700® - Requires a TC unlock for Prescription and Section Control

New Holland Intelliview IV® - Requires a TC unlock for Prescription and Section Control

AgLeader® Integra - Requires a multi-product unlock for multi-bin Rate and Section Control

BBI BINARY MANIFOLD

Exclusive to all BBI hydraulic spreaders, including BBI Endurance, the Binary Manifold System enables quick connections to precision agriculture systems for rate control, guidance and more.



*ISOBUS compliance does not guarantee compatibility with all functionality on 3rd party ISOBUS displays; Non-ISOBUS displays are not compatible with this controller. Always consult with the display manufacturer before purchase - Prescription mapping and/or auto section control may require software unlock. Ensure latest display firmware version is installed. Application modes such as section control and swath control are only available on select models.

HYDRAULIC DRIVE



CRICKET

The Cricket Vineyard spreader is an affordable and dependable tool for spreading fertilizer, lime and compost in your vineyard or orchard. This Vineyard or Orchard spreader gets below overhanging limbs, and the reversible wheels allow a 50 or 60-inch track to accommodate most vineyards.

VINYARD OR ORCHARD | 8-FOOT HOPPER



LIBERTY HDR

BBI Liberty pull-type spreaders are designed to be the toughest, most durable fertilizer and lime spreaders in the market. With BBI's rugged design and construction you can apply more efficiently, saving you time and money.

TANDEM AXLE | 10-FOOT HOPPER



GRASSHOPPER HDR

Our high clearance 5-Ton fertilizer, 7-Ton lime spreader, designed for precision application of top dressings and row cropping. Rounded payload capacity of 210 cubic feet, the steel hopper is 10 feet long and 8 feet wide with 45 degree angle sides. This unit is driven using either self contained hydraulics or optional tractor supplied hydraulics.

SINGLE AXLE | 10-FOOT HOPPER

MAGNASPREAD

Hydraulic Pull-type Fertilizer/Lime Spreader. Precision, power, performance. Spreads lime at up to 2 tons per acre at 14 mph with a 60-foot swath. Spreads fertilizer in 80-foot-plus swaths. Optimized for a variety of high-capacity farming applications. Equipped with Salford BBI's Binary Manifold, making connections to your precision agriculture electronics a snap.

TANDEM AXLE | 16-FOOT HOPPER



MAGNASPREAD PLUS+

MagnaSpread Plus+ one spreader to maximize both fertilizer and lime application widths, saving you time and money. Change from fertilizer applicator to lime applicator in minutes. The MagnaSpread Plus uses tried and tested hopper designs, the high-clearance single axle 12-foot hopper or the tandem axle 20-foot hopper, equipped with Salford's latest advancements in application technology.

**SINGLE AXLE | 12-FOOT HOPPER
TANDEM AXLE | 20-FOOT HOPPER**



SNIPER

Sniper 120' is engineered for application widths up to 120 feet, and uses patent pending technology to rapidly adjust its application swath on-the-fly. The Sniper's tremendous application width and superior spread pattern control make for an efficient applicator that reduces overlap and keeps fertilizer out of environmentally sensitive areas. The simple spread pattern control is easy to set and maintain, keeping high acreage operators moving fast.

SECTION CONTROL | SINGLE AXLE | 12-FOOT HOPPER



	CRICKET	LIBERTY HDR	GRASSHOPPER HDR
Hopper Size	<ul style="list-style-type: none"> Choice: 8-ft. hopper 63.5 cu-ft 	<ul style="list-style-type: none"> Choice: 10-ft. Standard Profile Hopper 200 cu-ft capacity 10-ft. High Profile Hopper 220 cu-ft capacity 	<ul style="list-style-type: none"> 10-ft. Standard Body Hopper - 200 cu-ft capacity
Hopper Material	<ul style="list-style-type: none"> Choice: 409 Stainless Steel, Painted Choice: 304 Stainless Steel 	<ul style="list-style-type: none"> Choice: 409 Stainless Steel, Painted Choice: 304 Stainless Steel 	<ul style="list-style-type: none"> Choice: 409 Stainless Steel, Painted Choice: 304 Stainless Steel
PTO Drive	<ul style="list-style-type: none"> Choice for self-contained models only: 540 RPM Series 6 CV Joint PTO Shaft 1000 RPM Series 6 CV 1-3/4 20 Spline 1000 RPM Series 6 CV 1-3/8 21 Spline 	<ul style="list-style-type: none"> Choice: 1000 RPM Series 6 CV 1-3/4 20 Spline 1000 RPM Series 6 CV 1-3/8 21 Spline Tractor Supplied Hydraulics - Req 46 GPM total - 2300 PSI; 2 Remotes@ 23 GPM each; Zero pressure case return 	<ul style="list-style-type: none"> Choice: 1000 RPM Series 6 CV 1-3/4 20 Spline 1000 RPM Series 6 CV 1-3/8 21 Spline Tractor Supplied Hydraulics - Req 46 GPM total - 2300 PSI; 2 Remotes@ 23 GPM each; Zero pressure case return
Spinner Drive	<ul style="list-style-type: none"> Standard: Self Contained PTO Hydraulics Optional: Plug to Tractor Hydraulics 	<ul style="list-style-type: none"> Standard: Self Contained PTO Hydraulics Optional: Hydraulic Plug-To-Tractor Spinners (Plug-To-Tractor), requires 21 GPM @ 2000 PSI 	<ul style="list-style-type: none"> Standard: Self Contained PTO Hydraulics Optional: Hydraulic Plug-To-Tractor Spinners (Plug-To-Tractor), requires 21 GPM @ 2000 PSI Optional: HY TORQUE Manifold **For use with standard hydraulics only** Two speed / Manually operated to handle HIGH Rates, Weight & Speeds.
Metering Drive Options	<ul style="list-style-type: none"> Overhead mounted spinner motors Banding attachment on spinners 	<ul style="list-style-type: none"> Standard: Single Gear Case (Only available with Self Contained Hydraulics) **For limited ag lime use** Optional: Tandem Gear case 	<ul style="list-style-type: none"> Standard: Single Gear Case (Only available with Self Contained Hydraulics) **For limited ag lime use** Optional: Tandem Gear case Optional: High-Speed Conveyor Valve (GR Valve)
Primary Metering	<ul style="list-style-type: none"> 16-in. stainless steel mesh chain conveyor 	<ul style="list-style-type: none"> Standard: 16-in. Stainless Steel Mesh Chain Optional: 20-in. Stainless Steel Mesh Chain 	<ul style="list-style-type: none"> Standard: 16-in. Stainless Steel Mesh Chain Optional: 20-in. Stainless Steel Mesh Chain
Axle	<ul style="list-style-type: none"> 7,000-lb rigid axle 15-in. axle ground clearance, 13-in. clearance under spinners 	<ul style="list-style-type: none"> Standard: 7-Ton Torsion-Flex Tandem Axle (12.5 X 15 implement tires with 6-Bolt Hub) Optional: 9-Ton Heavy Duty Tandem Axle Suspension (16.5 X 16.1 R3 tires & 8-Bolt Hub) Optional: 10-Ton Walking Beam (16.5L X 16.1 R3 Tires & 8-Bolt Hub) Includes Heavy Duty Jack 	<ul style="list-style-type: none"> Standard: 12-Ton High Clearance Axle Optional: 120 Axle Fixed Track Set Up Optional: 90 - 120 Adjustable Axle Optional: 120 - 152 Adjustable Axle
Tire & Wheel Options	<ul style="list-style-type: none"> 14L implement tires, 6-bolt hubs 	<ul style="list-style-type: none"> 7-Ton Torsion-Flex suspension: <ul style="list-style-type: none"> Standard - 12.5L x 15 6 bolt wheels & tires 9 & 10-Ton Suspension: <ul style="list-style-type: none"> Standard - 16.5L x 16.1 R3 Tires & 8-Bolt Wheel Optional: 16.5L x 16.1 Ribbed Implement Tires & 8-Bolt Wheel Optional: 21.5L x 16.1 R3 Tires in lieu of standard 16.5L x 16.1 R3 (Note: overall width is approx. 106) Optional: 21.5L x 16.1 Ribbed Implement Flotation Tires in lieu of standard 16.5L x 16.1 R3 (Note: overall width is approx. 106) Optional: 500/45-22.5 Tires in lieu of standard 16.5L x 16.1 8 Bolt wheels & tires 	<ul style="list-style-type: none"> Choice: 11.25 x 28 Tires & Wheels on 12-Ton Axle (includes 10 bolt hubs, additional High Clearance Spreader frame construction) Choice: 440/80R28 Tires & 15X28 Wheels on 12-Ton Axle (includes 10 bolt hubs, additional High Clearance frame construction) Choice: 380/90R46 Tires (Available only on adjustable axles)
Option	<ul style="list-style-type: none"> Scales Tarp Tail lights 	<ul style="list-style-type: none"> Scales Tarp Tail lights 	<ul style="list-style-type: none"> Scales Tarp Tail lights

• MagnaSpread* Requires 50 GPM total with max pressure of 2800 PSI. 2 Remotes, 1 at 30 GPM with a 3rd line case drain for Spinners & 1 at 20 GPM for the Conveyor. This hydraulic configuration (does not) in

MAGNASPREAD	MAGNASPREAD PLUS	MAGNASPREAD PLUS	SNIPER
<ul style="list-style-type: none"> • Standard: 16-ft. Standard Hopper 320 cu-ft • Optional: 16-ft. High Hopper 352 cu-ft 	<ul style="list-style-type: none"> • 12-ft. High Profile Hopper 264 cu-ft 	<ul style="list-style-type: none"> • 20-ft., 96-in. Wide Hopper 440 cu-ft 	<ul style="list-style-type: none"> • 12-ft. High Profile Hopper, 264 cu-ft
<ul style="list-style-type: none"> • Standard: 409 Stainless Steel, Painted • Optional: 304 Stainless Steel 	<ul style="list-style-type: none"> • Standard: 409 Stainless Steel, Painted • Optional: 304 Stainless Steel 	<ul style="list-style-type: none"> • Standard: 409 Stainless Steel, Painted • Optional: 304 Stainless Steel 	<ul style="list-style-type: none"> • Standard: 409 Stainless Steel, Painted • Optional: 304 Stainless Steel
<ul style="list-style-type: none"> • Choice: 1000 RPM Series 6 CV 1-3/4 20 Spline • Choice: 1000 RPM Series 6 CV 1-3/8 21 Spline • Choice: Tractor Supplied Hydraulics for MagnaSpread* 	<ul style="list-style-type: none"> • Choice: 1000 RPM Series 6 CV 1-3/4 20 Spline • Choice: 1000 RPM Series 6 CV 1-3/8 21 Spline • Choice: Tractor Supplied Hydraulics for MagnaSpread* 	<ul style="list-style-type: none"> • Choice: 1000 RPM Series 6 CV 1-3/4 20 Spline • Choice: 1000 RPM Series 6 CV 1-3/8 21 Spline • Choice: Tractor Supplied Hydraulics for MagnaSpread* 	<ul style="list-style-type: none"> • Choice: • 1000 RPM Series 6 CV 1-3/4 20 Spline • 1000 RPM Series 6 CV 1-3/8 21 Spline
<ul style="list-style-type: none"> • Standard: Self Contained PTO Hydraulics • Optional: Plug to Tractor Hydraulics 	<ul style="list-style-type: none"> • Standard: Self-Contained PTO Hydraulics • Optional: Plug to Tractor Hydraulics 	<ul style="list-style-type: none"> • Standard: Self-Contained PTO Hydraulics • Optional: Plug to Tractor Hydraulics 	<ul style="list-style-type: none"> • Standard: Self-Contained PTO Hydraulic, ISOBus system and scales
<ul style="list-style-type: none"> • Overhead mounted spinner motors • Tandem conveyor drive gearbox 	<ul style="list-style-type: none"> • Overhead mounted spinner motors • Tandem conveyor drive gearbox 	<ul style="list-style-type: none"> • Overhead mounted spinner motors • Tandem conveyor drive gearbox 	<ul style="list-style-type: none"> • Overhead mounted spinner motors
<ul style="list-style-type: none"> • Standard: 30-in. Belt-Over-Bar Chain • Optional: 20-in. Stainless Steel Mesh Chain 	<ul style="list-style-type: none"> • Standard: 30-in. Belt-Over-Bar Chain 	<ul style="list-style-type: none"> • Standard: 30-in. Belt-Over-Bar Chain 	<ul style="list-style-type: none"> • Split Chain - Twin 10-in. Mesh Chains
<ul style="list-style-type: none"> • Standard: 14-Ton Tandem Walking Beam Suspension (21.5 x 16.1-14 ply tires, 10 bolt hubs & wheels) • Optional: 20-Ton Walking Beam MagnaSpread Suspension Upgrade (800/65R32 Tire & 10-Bolt Hub) includes Tubular Trailer Frame 	<ul style="list-style-type: none"> • Standard: 90 to 120-in. Adjustable Axle • Optional: 120 to 152-in. Adjustable Axle 	<ul style="list-style-type: none"> • 20-Ton Walking Beam MagnaSpread Suspension - Includes Tubular Trailer Frame, CV Joint PTO shaft 	<ul style="list-style-type: none"> • Standard: 90 to 120-in. Adjustable Axle • Optional: 120 to 152-in. Adjustable Axle
<ul style="list-style-type: none"> • Choice: 21.5L x 16.1 R3 Flotation Tire & 10 Bolt Hub - Available for 14-Ton Walking Beam Suspension • Choice: 21.5L x 16.1 Ribbed Implement Flotation Tire & 10 Bolt Hub - Available for 14-Ton Walking Beam Suspension • Choice: 550/60-22.5 Tires in lieu of standard 21.5 x 16.1 14 Ply 10 Bolt wheels & tires • Choice: 700/40-22.5/16 Tires (Requires 14-Ton walking beam) • Choice: 800/65R32 Tires on a 10 Bolt Hub (Requires 20-Ton Walking Beam & Standard on 20-Ton Walking Beam) 	<ul style="list-style-type: none"> • Standard: 380/90R46 Tires • Optional: 800/65R32 Tires 	<ul style="list-style-type: none"> • 800/65R32 Tire & 10-Bolt Hub 	<ul style="list-style-type: none"> • Standard: 380/90R46 Tires • Optional: 800/65R32 Tires
<ul style="list-style-type: none"> • Scales • Tarp • Tail lights 	<ul style="list-style-type: none"> • Scales • Tarp • Tail lights 	<ul style="list-style-type: none"> • Scales • Tarp • Tail lights 	<ul style="list-style-type: none"> • Cablelok tarp

include an oil cooler & one cannot be added. Use of 1/2 coupler on spinner circuit will likely result in reduced performance in heavy applications such as lime.

MAGNASPREAD MOUNTED OPTIONS

CONVERTIBLE SPINNER PACKAGE

MagnaSpread Plus+ spinners maximize both fertilizer and lime application widths, saving you time and money. Change from fertilizer applicator to lime applicator in minutes. Apply fertilizer up to 120 feet and lime up to 60 feet.

STANDARD EQUIPMENT

- Hydraulic Binary Manifold with pilot operated relief, manual flow controls for spinner and conveyor
- High-Speed Conveyor (GR) Valve
- Overhead mounted spinner motors
- Tandem conveyor drive gearbox
- Stainless steel spinners, fins and spread shield
- Stainless steel hopper
- Over-slung center 'V'
- 30" belt-over-bar conveyor
- Spreader pan test kit



SELF-PROPELLED EQUIPMENT

MagnaSpread unit mount options will maximize your total application investment with the most efficient, versatile and advanced spreader packages available in the industry.





SALFORD

SALFORD BBI ENDURANCE

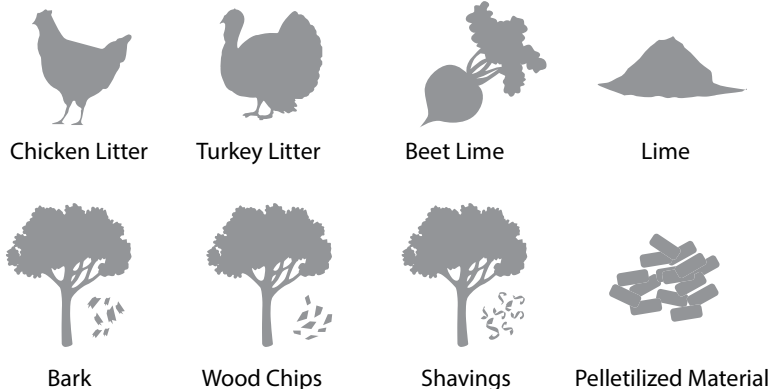
BBI ENDURANCE

MODELS & OPTIONS

ENDURANCE

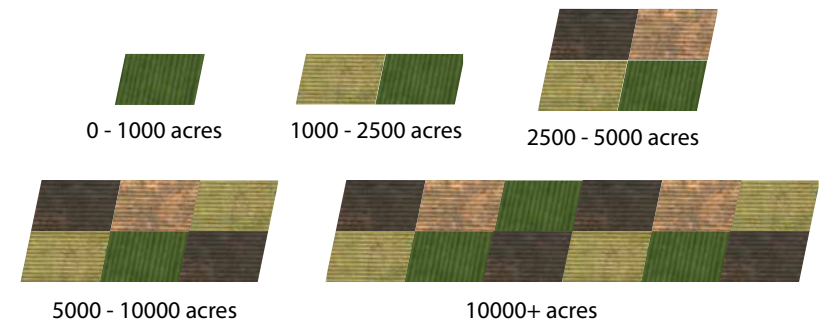
Meet the leader in precision application of litter, manure, and a host of other organic materials. The Endurance is optimized to get the job done when it comes to spreading a range from light to heavy materials on farms of all sizes. The Endurance is a tough, durable spreader that achieves targeted application with a uniform spread pattern. Powered by hydraulics and a spinner system that achieves a wide spread pattern that others can only achieve with much heavier material, the Endurance is optimized for precision agriculture and improving the economics of the modern farm.

SPREAD VARIETY OF MATERIALS



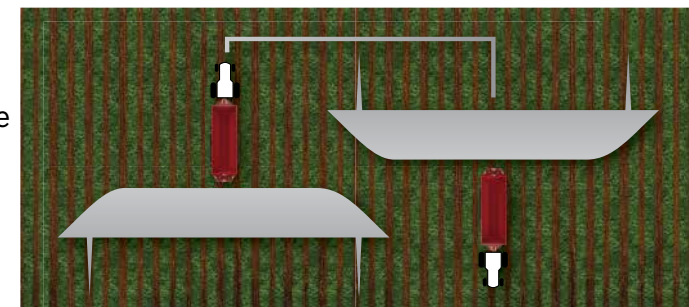
CHOICE EQUIPMENT FOR MULTIPLE FARM SIZES

From 50 acres to 10,000 acres, Endurance is customized to fit your unique needs.



UNBEATABLE FLAT SPREAD PATTERN

Salford spreaders are known for their precision. That precision is achieved through targeted application of material across an unbeatable spread pattern that can create driving intervals up to 60-feet. True pattern, true swath, and true drive interval equals a high percent reduction in fuel expended and time spent in the field—that means improved economic performance of your operation. That is what the Endurance is all about.



OPTIONS

Option-rich and available in sizes ranging from 10-24 feet. Available in pull-type and truck-mount versions. Salford has an Endurance model to fit your farm for today's needs and future growth.

HOPPER CONSTRUCTION

- LOW PROFILE HOPPER** has a capacity of 16 cu/ft. struck level per linear-ft., is 88-in. wide and 45.5-in. high.
- STANDARD PROFILE HOPPER** has a capacity of 20 cu/ft. struck level per linear foot, is 88-in. wide and 51.5-in. high.
- HIGH PROFILE HOPPER** has a capacity of 23 ½ cu/ft. struck level per linear foot, is 88-in. wide and 57.5-in. high.
- WIDE HOPPER** has a capacity of 21 cu/ft. struck level per linear foot, is 96-in. wide and 52-in. high.



SUSPENSION

LOAD HEIGHT OPTIONS

TORSION AXLE



WALKING BEAM



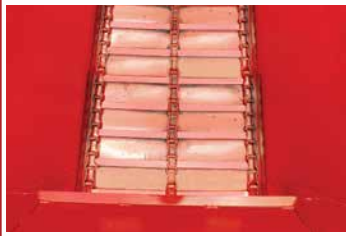
SUSPENSION TYPE	TIRE SIZE	LOW	STANDARD	HIGH
7,000 lb Torsion-Flex Tandem Axle	12.5	73.5-in.	79.5 in	85.5-in.
7,000 lb Torsion-Flex Tandem Axle	14	76-in.	82-in.	88-in.
9-Ton Heavy Duty Tandem Axle	16.5	81.5-in.	87.5-in.	93.5-in.
9-ton Heavy Duty Tandem Axle	500	81.5-in.	87.5-in.	93.5-in.
9-Ton Heavy Duty Tandem Axle	21.5	83.5-in.	89.5-in.	95.5-in.
10-Ton Walking Beam	16.5	83.5-in.	89.5-in.	95.5-in.
10-Ton Walking Beam	500	83.5-in.	89.5-in.	95.5-in.
10-Ton Walking Beam	21.5	85.5-in.	91.5-in.	97.5-in.
14-Ton Walking Beam	21.5	85.5-in.	91.5-in.	97.5-in.
14-Ton Walking Beam	550	88-in.	94-in.	100-in.
14-Ton Walking Beam	700	88-in.	94-in.	100-in.
20-Ton Walking Beam	800	102-in.	107.5-in.	114-in.



HIGH PERFORMANCE LIME SPREADER PACKAGE

Now more than ever, the Endurance gives you greater return on investment through more choice on the farm, with heavy duty lime packages available. Greater versatility for greater economic performance, season to season.

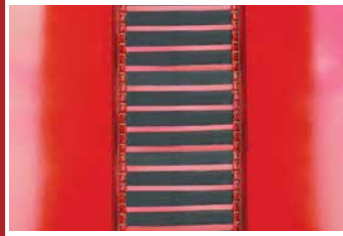
3RD RUN 88K CONVEYOR CHAIN



OVER-SLUNG CENTER-V



POLY FLOOR UHMW



WALKING BEAM SUSPENSION



HIGH DUTY CYCLE HYDRAULICS



ENDURANCE SPECIFICATIONS PULL-TYPE & TRUCK MOUNT LITTER / LIME / SHAVINGS / COMPOST / OTHER ORGANIC MATERIAL

	14 FT & 16 FT.	18 FT, 20 FT, 22 FT	24 FT.
Drive	Hydraulic Drive	Hydraulic Drive	Hydraulic Drive
Low Profile Body 16 cu. ft. per ft. struck	224, 240, 256	288, 320, 352	384
Standard Capacity 20 cu. ft. per ft. struck	280, 300, 320	360, 400, 440	480
Wide Body 21 cu. ft. per ft. struck	294, 315, 336	378, 420, 462	504
High Capacity 23 cu. ft. per ft. struck	329, 352.5, 376	423, 470, 517	564
Hopper Material	10-Gauge Carbon Steel with Electrostatic Paint (7-Gauge Carbon Steel Optional)		
Hopper Floor	Standard: 7-gauge steel rails and floor Optional: Poly Floor		
Conveyor	34 inch wide "Close-Bar" Conveyor Chain with 2 runs of 88K Chain. (Bars Every OTHER Link)		
Spinner Construction	Carbon Steel Spinner Drive Motors. (Plug to Tractor Spinner Drive is Available.)		
Spinner Size	28 inch spinner, 6 blade		
Drive	Standard: Tandem Gearcase Choose: 540 RPM 6 Series CV or 1000 RPM 6 Series CV*		
Hydraulic Drive Control	Binary Manifold (Combines the hydraulic controls for the conveyor and spinners into one control manifold. Allows for quick ISOBUS Connection)		
Tires & Suspension	<ul style="list-style-type: none"> • Standard: 7-Ton Tandem Axle Suspension (12.5L x 15 Tires and 6-Bolt hub) Includes Heavy Duty Jack • Optional: <ul style="list-style-type: none"> • 9-Ton Heavy Duty Tandem Torsion Axle Suspension (16.5 X 16.1 /tires and 8-Bolt Hub) • 10-Ton Walking Beam (16.5L X 16.1 Tires and 8-Bolt Hub) • 14-Ton Walking Beam (21.5 14 Ply Tires and 10-Bolt Hub) • 20-Ton Walking Beam Endurance Suspension Upgrade (800/65R32 Tire and 10-Bolt Hub). Includes Tubular Trailer Frame. CV Joint PTO shaft series. 		
Optional Tire Upgrades	<ul style="list-style-type: none"> • 14L x 16.1 Flotation Tires in lieu of standard 12.5L x 15 6 bolt wheels and tires • 21.5L x 16.1 Flotation Tires in lieu of standard 16.5 8 Bolt wheels and tires • 500/45-22.5 Tires in lieu of standard 16.5L x 16.1 8 Bolt wheels and tires • 550/60-22.5 Tires in lieu of standard 21.5 x 16.1 14 Ply 10 Bolt wheels and tires • 700/40-22.5/16 1-3 Tires (Requires 14-Ton walking beam) 		
Additional Options	Hopper Ladder, Hopper Extensions, Light Kit, Scales, Tarp, 1/4 inch floor rails, 3rd run of 88K drive chain, Hopper Inverted "V" (prevents material bridging) Hydraulics Options: Hy-Torque Manifold, GR Value, High Duty Cycle Hydraulics (includes more efficient pumps and motors as well as an oil cooler)		



