

# MECHANICAL SPREADERS OVERVIEW

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## **True Full Swath Driving Interval**

Where most competitors spread at most 40 feet, Salford's BBI PTO spinners will spread 50 percent wider in fertilizer or lime. This means spreading nearly 100 acres per hour.

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## **Frame Construction**

Salford's frame construction features 20 percent larger channel steel than our competitors, thicker hitch plates and with more adjustment options. Perfect hitches, bolt-on HD jacks, a larger and longer tongue tube, spinner guards and shielding plus laser-cut parts means improved durability, maneuverability, safety, and reliability.

3

## **Axle Options**

Heavy-duty tandem axles, torsion-flex, and even walking beam suspension options are available.

4

## **Chains**

Salford's mesh option has a rear roller made of billet stock, and our CNC-machined construction crafted with a superior alloy means consistent durable construction. Fabricated with two rows of weld as opposed to one, our mesh lasts longer and stretches less. A 60H stainless steel chain for the ground wheel drive mechanism is standard. Mesh or bar options available. UHMW blocks the rear roller cover and prevents material from falling out and streaking the field.

5

## **SS Bearing Back**

Salford's stainless steel rear roller bearing has a protector plate on the rear rail, extending the life of the spreader. Grease is able to be pumped, cycled, and penetrated through the bearing, while the protector plate saves the back, exponentially increasing bearing life.



**PTO - FERTILIZER: 60 FEET**  
**LIME: 60 FEET**  
**HYDRAULIC - FERTILIZER: 80 FEET**  
**LIME: 60 FEET**



# LIBERTY, TROOPER, GRASSHOPPER

# SALFORD BBI



**6 Spinner Accuracy & Hydraulic Spinner Drive**  
Hydraulic tractor-supplied spinners with ground wheel driven chain means 80 foot swaths with fertilizer, and 60 foot swaths with lime. Kevlar belts and BBI's proprietary eliminator manifold are standard.

**7 Eliminator Manifold**  
This proprietary BBI design is not found on any other spreader in its class. The eliminator manifold guards against improper hook up (failure to hook up return, cross hook-ups - cannot hook up backwards, and cannot overpressure), making Salford mechanical spreaders more durable and foolproof, great for rental fleets.

**8 Overhead Spinner Motors**  
Overhead Spinner Motors are above the chemical resulting in extended motor life.

**9 Infinite Adjustment Flow Divider**  
UHMW block and stainless steel rod. The flow divider allows for infinite adjustment and ensures that material is able to evenly flow through to the spinners.

**10 Hopper Construction**  
Stronger 3D gussets, a strong inverted V option, and a rear gate that features dual rack and pinion which ensures that the gate never lodges or gets stuck sideways. All 304 or painted 409 stainless steel construction and stainless steel hardware.

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# BBI GRASSHOPPER



**Ideal for:** Distribution of Granular Fertilizer or Lime / Medium Capacity / High Clearance / Classic Single Axle Applicator for Turf Farms, Pastures and Row Crops / Designed with High Clearance to straddle rows

## BBI 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 steel hopper is 9 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.

## Unique Features

- Ground wheel driven stainless steel mesh chain
- Dual rack & pinion gate for jam-free operation
- 24 inch dished spinner design for precision coverage
- PTO or hydraulic driven spinners
- High ground-clearance for row cropping and top dressing

## BBI Grasshopper Specifications Fertilizer / Lime

Working Width	Hydraulic - Fertilizer 80 feet, Lime 60 feet PTO - Fertilizer 60 feet, Lime 60 feet
Size	9 feet
Capacity (struck)	Standard "H" Body: 189 cubic feet
Hopper Material	Optional: 304 Stainless Steel Optional: Painted 409 Stainless Steel
Conveyor Chain	Standard: 16 inch Stainless Steel Mesh Chain Optional: 20 inch Stainless Steel Mesh Chain
Press Wheel	Standard: Press Wheel Pneumatic Tire Optional: Metal Press Wheel
Spinner Drive	Standard: PTO (540 RPM) driven Spinners (twin 24 inch spinners) Standard: PTO (1000 RPM) driven Spinners (twin 24 inch spinners) Optional: Hydraulic Spinners (Plug-to-Tractor) w/ ELIMINATOR Manifold
Suspension	24,000 lb rigid single-axle with 10" on 11.25" AG type hubs and spindles. Track width is 72" standard; other widths available upon request. 440/80R28 Tires mounted on 15 x 28 ag type tires.
Tires & Wheels	Standard: 11.25/28 Tires and Wheels on 24,000 Axle (includes 10 bolt hubs) (Includes additional High Clearance Spreader Frame Construction) Optional: 440/80R28 Tires and Wheels on 24,000 Axle (includes 10 bolt hubs) (Includes additional High Clearance Spreader Frame Construction) Optional: 21.5 x 16.1 Tires on 16C x 16.1 AG wheels
PTO / CV Joints	Standard: 540 RPM Series 6 CV Joint PTO Shaft Standard: 1000 RPM Series 6 CV 1 3/4 20 Spline Standard: 1000 RPM Series 6 CV 1 3/8 21 Spline
Reversible Wheel	Standard: Non Reversible Grasshopper Wheel Optional: Reversible Wheels (11.25 inch x 28 inch or 440/80R tires) 62 inch to 74 inch Track
Tail Lights	Optional: Rear Tail Lights with Turn Signal, Side Markers, Wired with Corrosion Resistant Wiring Kit
Options	Optional: 9 foot Box Type Tarp w Bow (Vinyl) Optional: Ladder

# BBI LIBERTY HDR



**Ideal for:** Distribution of Granular Fertilizer or Lime / Medium Capacity / Variety of Applications

## BBI 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 more efficiently spread your fields, saving you time and money.

## Unique Features

- Heavy-duty, high-capacity packages and low profile units available
- Payload packages available from 5-9 tons
- Standard 16 inch heavy duty stainless steel mesh chain, or optional 20 inch chain
- 24 inch dished spinner design for precision coverage
- "Inverted V" option for heavy material such as lime
- Wide range of colors available

## BBI Liberty HDR Specifications Fertilizer / Lime

Working Width	Hydraulic - Fertilizer 80 feet, Lime 60 feet PTO - Fertilizer 60 feet, Lime 60 feet
Size	10 feet
Capacity (struck)	Hopper options include: Optional "H" Body: 6 inch Higher Capacity, 21 cu ft / lin ft struck, 56 inches high Optional "B" Body: 11 inch Higher Body, 23.5 cu ft / lin ft struck, 58.5 inches high
Hopper Material	Optional: Carbon Steel Optional: 304 Stainless Steel Optional: Painted 409 Stainless Steel
Drive	Standard: Self contained hydraulics. Optional: Tractor supplied hydraulics.
Conveyor Chain	Standard: 16 inch Stainless Steel Mesh Chain Optional: 20 inch Stainless Steel Mesh Chain Optional: 20 inch Bar Chain in Lieu of Mesh
Spinner Drive	Standard: PTO (1000 RPM) driven Spinners (twin 24 inch spinners) Optional: Tractor supplied hydraulics
Hitch	Standard: Cast Hitch Option for Pull Type Spreaders Optional: Articulating Hitch
Spinner and Fins	Standard: Stainless steel
Tires & Suspension	Standard: 7,000 lb "Torsion-Flex" Tandem Axle (12.5 X 15 Implement Tires with 6-Bolt hub) Optional: 9 Ton Heavy Duty Tandem Axle Suspension (16.5L X 16.1 Tires and 8-Bolt hub, 10,000 lb axles) Optional: 10 Ton Walking Beam (16.5L X 16.1 Tires and 8-Bolt hub) Includes Series 4CV Joint PTO, Heavy Duty Jack *Other tire options available
PTO Drive Line / CV Joint	Standard: 1000 RPM Series 6 CV 1 3/4 20 Spline Standard: 1000 RPM Series 6 CV 1 3/8 21 Spline
Inverted "V"	Standard: None Optional: 10 foot Carbon Steel Overslung Removable Inverted V Optional: 10 foot Stainless Steel Overslung Removable Inverted V

Other available options: Hopper Extensions, Tarp, and Light Package





**Ideal for:** Distribution of Granular Fertilizer or Lime / Medium Capacity / Variety of Applications / Ground Wheel Drive Conveyor / PTO or Hydraulic Driven Spinners

## BBI Liberty

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 more efficiently spread your fields, saving you time and money.

## Unique Features

- Heavy-duty, high-capacity packages and low profile units available
- Payload packages available from 5-9 tons
- All ground wheel driven systems are available
- Standard 16 inch heavy duty stainless steel mesh chain, or optional 20 inch chain
- 24 inch dished spinner design for precision coverage
- "Inverted V" option for heavy material such as lime
- Wide range of colors available

## BBI Liberty Specifications Fertilizer / Lime

Working Width	Hydraulic - Fertilizer 80 feet, Lime 60 feet PTO - Fertilizer 60 feet, Lime 60 feet
Size	10 feet
Capacity (struck)	Hopper options include: Optional "H" Body: 6 inch Higher Capacity, 21 cu ft / lin ft struck, 56 inches high Optional "B" Body: 11 inch Higher Body, 23.5 cu ft / lin ft struck, 58.5 inches high
Hopper Material	Optional: Carbon Steel Optional: 304 Stainless Steel Optional: Painted 409 Stainless Steel
Drive	Standard: Conveyor Ground Wheel Drive Standard: Manual Hydraulics to Engage Ground Wheel
Conveyor Chain	Standard: 16 inch Stainless Steel Mesh Chain Optional: 20 inch Stainless Steel Mesh Chain Optional: 20 inch Bar Chain in Lieu of Mesh
Press Wheel	Standard: Press Wheel Pneumatic Tire Optional: Metal Press Wheel
Spinner Drive	Standard: PTO (540 RPM) driven Spinners (twin 24 inch spinners) Standard: PTO (1000 RPM) driven Spinners (twin 24 inch spinners) Optional: Hydraulic Spinners (Plug-to-Tractor) w/ ELIMINATOR Manifold
Hitch	Standard: Cast Hitch Option for Pull Type Spreaders Optional: Articulating Hitch
Spinner and Fins	Standard: Stainless steel
Tires & Suspension	Standard: 7,000 lb "Torsion-Flex" Tandem Axle (12.5 X 15 Implement Tires with 6-Bolt hub) Optional: 9 Ton Heavy Duty Tandem Axle Suspension (16.5L X 16.1 Tires and 8-Bolt hub, 10,000 lb axles) Optional: 10 Ton Walking Beam (16.5L X 16.1 Tires and 8-Bolt hub) Includes Series 4CV Joint PTO, Heavy Duty Jack *Other tire options available
PTO Drive Line / CV Joint	Standard: 540 RPM Series 6 CV Joint PTO Shaft Standard: 1000 RPM Series 6 CV 1 3/4 20 Spline Standard: 1000 RPM Series 6 CV 1 3/8 21 Spline
Inverted "V"	Standard: None Optional: 10 foot Carbon Steel Overslung Removable Inverted V Optional: 10 foot Stainless Steel Overslung Removable Inverted V

Other available options: Hopper Extensions, Tarp, and Light Package

# BBI TROOPER



**Ideal for:** Fertilizer, Fleet Application / Easy Towing / Ease of Operation / 60 foot swath / Distribution of Granular Fertilizer

## BBI Trooper

Designed and priced 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.

## Unique Features

- Optional Poly Brid™ coating on trailer frame
- Pull with almost any tractor OR any vehicle with adequate towing capacity and tow package
- Ground wheel drive spinners spread fertilizer at 60 feet vs. traditional designs at 30 feet
- Lowest capital cost spreader offered by BBI
- Flotation tires minimize compaction

## BBI Trooper Specifications Fertilizer

Working Width	Hydraulic - Fertilizer 80 feet PTO - Fertilizer 60 feet
Size	10 feet
Capacity (struck)	Standard: 170 cubic feet Optional: 245 cubic feet Optional: 270 cubic feet
Hopper Material	Standard: Painted 409 stainless steel
Drive	Standard: Conveyor Ground Wheel Drive Standard: Manual Hydraulics to Engage Ground Wheel Optional: Conveyor & Spinner Ground Wheel Drive
Conveyor Chain	Standard: 8 inches Wide, 304 Stainless Steel Mesh Chain
Spinner Drive	Standard: Ground Wheel Drive Spinners Optional: 540 RPM Series 6 CV Joint PTO Shaft Optional: 1000 RPM Series 6 CV 1 3/4 20 Spline Optional: 1000 RPM Series 6 CV 1 3/8 21 Spline Optional: Hydraulic Spinners (Plug-to-Tractor) Includes ELIMINATOR Manifold
Spinners	Standard: Twin 24" Diameter Spinners that are driven by Ground Wheel Drive
Tires & Suspension	Standard: Tandem Axle Ground Wheel Drive, 7,000 lb Axles and 12.5 Tires Optional: Tandem Axle Ground Wheel Drive Painted 409 stainless steel, 10,000 lb Torsion Axles and 16.5 Tires or 21.5Lx16.1 Tires
Electric Brakes	Standard: No brakes Optional: Electric Brakes Rear Axle 7,000 lb (Torsion Flex Axles ONLY) Optional: Electric Brakes Rear Axle 10,000 lb (Torsion Flex Axles ONLY)
Light Package	Standard: None Optional: Rear Tail Lights with Turn Signal, Side Markers, Wired with Corrosion Resistant Wiring Kit
Tarp Options	Standard: None Optional: 10 foot Box Type Tar with Bow (vinyl)