

Pull Type Hydraulic**Litter, Lime, Shavings and Compost**

IS ENDURANCE RIGHT FOR YOU?

- BBI Binary™ Manifold Precision Agriculture Ready
- Tandem or Single Axle Pull Type
- Option Rich - customized to your specific application
- Can handle any terrain

Your Lowest "Cost In Use" Spreader

- BBI Binary™ Manifold for quick install of ALL Precision Agriculture Tools.
- Extensive use of UHMW reduces corrosion issues and extends the life of the spreader.
- UHMW Bearing Back keeps bearings clean resulting in longer bearing life and fewer failures.
- Optional UHMW Poly Floor lasts the lifetime of the spreader. The drag coefficient is less than steel. Hydraulics run cooler and last longer with less stress on the system. Floor chain, motors, and gear cases last longer.
- 3/8" Fin - 33% thicker than traditional designs.
- Dual Rack and Pinion gate prevents jams.
- Flotation tires minimize compaction.
- Innovative Spinner Motor eliminates motor failure at the pressure seal.
- HD Two-Section Pumps run cooler / last longer.

- Fuel and time to apply is reduced by 50%.
- Lower Maintenance Expense

BBI "Cost in Use" Calculator

	BBI	Other
Fuel Consumption gal / hour	7.0	7.0
Cost of Fuel	\$ 4	\$ 4
Fuel Cost per hour	\$ 28	\$ 28
Speed (mph)	7.0	7.0
Swath (ft) with hydraulic spinner	50	30
Effective Driving Interval	50	25
Acres per Hour	42.4	21.2
Acres to Cover	600	600
Hours per application	14.1	28.3
Fuel Cost per application	\$ 396	\$ 792
Applications per Year	3	3
Fuel Cost per Year	\$ 1,188	\$ 2,376
Spreader Life (years)	7	7
Fuel Cost - Life of Spreader	\$ 8,316	\$16,632
Fuel Savings (Life of Spreader)	\$ (8,316)	-50.0%
Hours Saved (Life of Spreader)	(297.0)	-50.0%

* Values used in this example are representative of average numbers and are not intended to be specific to all applications

www.BBISpreaders.com DRIVING VALUE

BBI Spreaders
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Suggested Use: For distribution of Litter, Lime, Shavings, Compost, or other Organic Material

Terminology: (4534) (45 Degree Sides, 34" Conveyor) (TPHP) Tandem axle, Pull-Type, Hydraulic Powered) - Hydraulically driven by pump off of the Tractor PTO. Includes Tandem Gear Case. Includes 35 gallon oil reservoir and speed control valves for the spinner and conveyor.

BBI Binary™ Hydraulic Manifold system: Combines the hydraulic controls for the conveyor and spinners into one control manifold. It includes proportional manual speed control for both spinners and conveyor. Pilot operated relief is standard. A dump valve is standard for the conveyor. The modularity of the BBI Binary Valve allows for quick easy conversion to GR option and to electronic control.

Rate Control and Guidance: The Tee Jet CL250 is included in the list price. The CL250 provides straight rate control and guidance.

Electronic Controls CL 250 and IC18 Included	STD	OPT
CL 250 and IC 18 Standard	X	
Variable Rate Control and Guidance Systems Available		X
Hopper - Varies from 10' to 28' Specify an even length		
Standard Profile 51.5" Hopper Height from rails to top, 20 cu ft / linear foot struck, 88" wide	X	
High Profile 57.5" Hopper Height from rails to top, 23.5 cu ft / linear foot struck, 88" wide		X
Low Profile 45.5" Hopper Height from rails to top, 16 cu ft / linear foot struck, 88" wide		X
96" wide Hopper 21 cu ft / lin ft, 96" wide, 52" high		X
45 degree Hopper Sides	X	
52 degree Hopper Sides, 60 degree Hopper Sides		X
Sloped Rear End Panel	X	
Straight Rear End Panel		X
10 gauge Carbon Steel - 7 gauge floor - 12 gauge fenders, Frame Rails - 3/16" HR Plate, Conveyor Trough - 3/16" HR Plate, Side Panels - 10 gauge HR sheet, Front End Panels - 10 gauge HR Sheet, Rear End Panels - 10 gauge HR Sheet, Catwalks - 12 gauge HR sheet, Safety Chain Standard	X	
Angle around the top		X
12" x 12" Sight Window		X
Carbon or Stainless Steel Ladder		X
4" Higher Gate		X
Hydraulic Gate (dual or single cylinder style)		X
Two Color Paint		X
Extension Brackets only (or with boards)		X
Bolt on Hydraulic Pipes		X
7 Gauge Carbon Steel Hopper 20 cu ft / lin ft struck		X
Light Package - Rear Tail Lights with Turn Signal, Side and Center Markers, Corrosion Resistant Wiring Kit (not in conduit).		X
Hydraulic Options BBI Binary™ Manifold and Tandem Gearcase Standard		
GR Valve		X
Extra Tandem Gear Case (includes UHMW Rear Roller support)		X
Plug to Tractor Hydraulic (requires 32 GPM - 2000PSI; 2 Remotes)		X
45 Gallon Reservoir		X
35 Gallon Stainless Steel Reservoir		X
Two Speed Hydraulic System (1/3 reduction) 12 V DC Dump Valve for start / stop		X
Conveyor Options		
34" 667x self-cleaning pintle-type chain with 3/8"x1.25"x29" flat bar welded every 5th link (11.5" center on 667x)		X
Extra Heavy Duty Conveyor (88k) Chain - Bar spacing every 4th link		X
3rd Run of 88K Chain - Add to 88K		X
"CLOSE - BAR" Conveyor Assembly (Bars every other link) (2 or 3 Runs)		X
Extra Wide Conveyor Assembly (Shavings Only) 40" wide		X

Spinners Twin 28" Spinners with 6 specially formed blades	STD	OPT
Adjustable Gate and Flow Divider - Fin Replacements	X	
Bolt-On Spread Shield		X
Reinforced Spinner Shields (ramps) with 6" Channel		X
Reostatic Spinner Control		X
Banding Attachment		X
Rail and Floor Options		
1/4" Floor and Rails		X
Poly Floor		X
304 Stainless Steel Floor		X
Frame and Suspension 7000 lb Tandem Henshen "Torsion Flex"		
2" Spacers between Frame and Axles		X
3rd Axle 10,000 lb with 16.5 x 16.1 Tires		X
Heavy Duty Clevis Hitch	X	
Heavy Duty Jack		X
Pintle Hitch		X
9-Ton Heavy Duty Tandem Axle Suspension (16.5L x 16.1 Tires and 8-Bolt Hub, 10,000 lb axles)		X
BBI Walking Beam 10 Ton Heavy Duty Suspension (16.5L Tires and 8-Bolt Hub) Includes CV Joint PTO shaft series 4, Heavy Duty Jack		X
BBI Walking Beam 14 Ton Heavy Duty Suspension (21.5L 14 Ply Tires and 10-Bolt Hub) Includes CV Joint PTO shaft series 4, Heavy Duty Jack		X
PTO Drive Line Options (540 RPM or 1000 RPM) Series 4 PTO Standard		
1000 RPM Series 5 Large PTO Shaft		X
CV Joint 540 RPM or 1000 RPM Series 4 PTO Shaft		X
CV Joint 540 RPM or 1000 RPM Series 6 PTO Shaft		X
Inverted "V"		
Removable - Standard or Overslung		X
Tire and Wheel		
12.5L x 15 Implement Tires with 6 bolt hub		X
Trelleborg 400/55-22.5 T404 in lieu of 16.5L x 16.1 8 bolt wheel/tires		X
Trelleborg 500/45-22.5 T404 in lieu of 16.5L x 16.1 8 bolt wheel/tires		X
Comparable in size to 19L x 16.1 and 21.5L x 16.1		
Trelleborg 560/60-22.5 T404 in lieu of 21.5L x 16.1 14 ply 10 Bolt		X
14L x 16.1 Flotation Tires in lieu of 12.5L x 15 6 Bolt wheels/tires		X
19.5L x 16.1 Flotation Tires in lieu of 16.5L x 16.1 8 Bolt wheels/tires		X
21.5L x 16.1 Flotation Tires in lieu of 16.5L tire x 16.1 8 Bolt wheels/tire		X
Surge Brakes - For Torsion Flex Axles ONLY		
One axle 7,000 lb or 10,000 lb		X
Two axle 7,000 lb or 10,000 lb		X
Tarps		
Roll Top Mesh Tarp Assembly - Manual or Electric		X
Lime Package - Heavy Duty Chain, Close Bar, Inverted V, Heavy Duty Suspension, Self-Contained Hydraulic System, Tandem Gear Case (Hydraulic Only)		



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