

Our Tradition of Excellence Continues



Hydra-Ram
SPREADERS
Built by PIK RITE



Built to Work the Way You Work

Warranty

Pik Rite, Inc. provides a limited warranty assuring the Hydra-Ram Spreader to be free from defects in material and workmanship for a period of two (2) years from the original date of purchase. Pik Rite will repair or replace, at its option and without charge, any defective or malfunctioning part (excluding items of normal wear or misuse) of the spreader for this allotted time.

PIK RITE MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE.



Parts Availability

The entire line of Pik Rite equipment comes with our total commitment to customer support after the sale. Our customer service department is staffed to respond quickly to requests for parts, service or information.

Our production staff can manufacture most parts in our shop and deliver them through a variety of carriers including UPS and other LTL (less-than-a-truckload) services.

1.800.326.9763

Hydra-Ram Spreaders by Pik Rite



Introducing Hydra-Ram with hydra-push technology, the most efficient delivery system on the market.

The Hydra-Ram Line

Hydra-Ram 490 Manure Spreader (250 bu)
Hydra Ram 490VB Manure Spreader (250 bu)
Hydra-Ram 490V Manure Spreader (250 bu)

The *Hydra-Ram* line covers a wide range of sizes and models to fit any capacity and application need, from the small family farm to the largest livestock operations.



Hydra-Ram 790 Manure Spreader (400 bu)
Hydra Ram 790VB Manure Spreader (400 bu)
Hydra-Ram 795 Manure Spreader (400 bu)



Our rugged line of spreaders, from the 490 series to the 790 series and the 1190 series, are engineered for the most demanding work and are an excellent choice for a wide range of application and terrain requirements.

Each *Hydra-Ram* spreader is built with corrosion-resistant high-strength steel to withstand the demands of life on the farm. All side and floor panels are constructed with a laminated poly covered finish for maximum strength and durability.

When you purchase Pik Rite equipment you also get our total commitment to customer support after the sale. Our customer service department is staffed to respond quickly to requests. We stock a wide range of parts and we manufacture most parts in-house.

Hydra-Ram 1190 Manure Spreader (550 bu)
Hydra-Ram 1190VB Manure Spreader (550 bu)



Hydra-Ram Technology

The Hydra-Ram Spreader from Pik Rite, Inc. is an innovative design that utilizes hydraulic cylinders to deliver the load to the beaters at an even and controlled speed.

This line of tough machines uses both a sliding floor and a moving front panel to deliver the material to the beaters. The sliding floor is pushed back first using an engineered hydraulic cylinder. When fully extended, the front panel moves back to unload the box completely. This is a much more efficient design than typical auger or chain driven systems.

The Hydra-Ram is engineered to get the job done with fewer moving parts. This design efficiency extends the life of the spreader while requiring less maintenance and down-



time than other manufacturers' equipment. Augers or apron chain systems tend to compact the material into clumps causing uneven distribution and increased wear on the beater system. These systems can force the material up over the sides of the spreader. Chain driven systems can wear out over time resulting in extended down-time.

The Hydra-Ram 2-stage push system delivers the material to the beaters at an even and controlled speed. The push technology allows you to unload the material faster than auger or side-sling machines.

490 Series

The Hydra-Ram 490 series is a versatile line of spreaders for low-volume requirements.

Hydra-Ram 490 Manure Spreader (250 bu)

The 250 bushel 490 spreader can be upgraded with an upper beater for a more uniform spread. Adding a side & pusher extension kit turns this model into a 325 bushel unit.

Hydra Ram 490VB Manure Spreader (250 bu)

The 490VB spreader provides a finer, wider, more uniform spread pattern. The 490VB can also be upgraded with side & pusher extension kit to make it a 325 bushel unit.



Hydra-Ram 490V Manure Spreader (250 bu)

The 490V was designed for top dressing narrow aisles. This model features a rear deflection shield to deliver materials in narrow rows.



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790 Series

The Hydra-Ram 790 series is engineered for the most demanding work.



Hydra-Ram 790 Manure Spreader (400 bu)

Add a second beater to this model for a more even spread. Several tire options are available for a variety of applications.

Hydra Ram 790VB Manure Spreader (400 bu)

Spread pattern is outstanding on the Hydra-Ram 790VB, with no drive chains; only a heavy duty gearbox that runs both beaters. That, along with a hydraulic push-off system, means a long, trouble-free life.



Hydra-Ram 795 Manure Spreader (400 bu)

The Hydra-Ram 795 Multi-purpose spreader is a workhorse of the Hydra-Ram line. This model comes standard with a 2 beater configuration, 4 spinners, a hydraulic endgate, 1000 RPM PTO.



1190 Series *The Hydra-Ram 1190 series makes big jobs easy.*

Hydra-Ram 1190 Manure Spreader (550 bu)

The tough, durable 1190 series was built for the larger operations. The base spreader comes with two beaters. For an even more uniform spread, this unit can be upgraded to add a third beater for distributing materials that are prone to clumping.



Hydra-Ram 1190VB Manure Spreader (550 bu)

The Hydra-Ram 1190VB is built to spread the toughest pen packed dairy manure, dry feedlot and compost material with ease. This vertical beater unit comes standard with two vertical beaters, a double constant velocity 1000 RPM PTO drive.



Specifications

CATEGORY		MODEL 490	MODEL 490V	MODEL 490VB
Capacity		250 Bushels	250 Bushels	250 Bushels
Struck level	ASAE S324.1	147 cu. Ft.	147 cu. Ft.	147 cu. Ft.
Heaped	ASAE S324.1	206 cu. Ft.	206 cu. Ft.	249 cu. Ft.
Heaped (upper beater)	ASAE S324.1	249 cu. Ft.	249 cu. Ft.	N/A
Load carrying capacity		6.5 tons	6.5 tons	6.5 tons
Inside width of box		61.75 in.	61.75 in.	61.75 in.
Depth of box		28 in.	28 in.	28 in.
Overall width w/truck tires / tire size		97.5 in./ 10.00-20	80" / 12.5L X 15	97.5 in./ 10.00-20
Overall width w/flotation tires / tire size		105 in./ 16.5L-16.1	N/A	105 in./ 16.5L-16.1
Overall height				
Top of moving panel		53 in.	71 in.	53 in.
Top of upper beater		60.5 in.	90.5 in.	78 in.
Overall length		18 ft. 7 in. - 18 ft. 10 in.	21 ft. 6 in.	23 ft. 5 in.
Bed length				
Face of moving panel to beater center line		12 ft. 6 in.	12 ft. 6 in.	13 ft. 9 in.
Number of beaters		1/(2)	2	2
Beater speed		394 rpm	394 rpm	350 rpm / (420 rpm)
Upper beater(s) speed		284 rpm	284 rpm	N/A
Fan diameter		27 in./(13.25 in.)	27 in./(13.25 in.)	29.7 in.
Number of paddles on beater		12	12	36
Tractor PTO horsepower min. rec.		60 hp	60 hp	60 hp
Number of unloading speeds		Infinite from	Infinite from	Infinite from
		0 - 16 ft./min.	0 - 16 ft./min.	0 - 16 ft./min.
PTO speed		540	540	540 / (1000)
PTO shaft diameter		1-3/8 in.	1-3/8 in.	1-3/8 in.
Number of endgate cylinders		One	One	One
		() Denotes Optional Equipment		



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MODEL 790	MODEL 790VB	MODEL 795	MODEL 1190	MODEL 1190VB
400 Bushels	400 Bushels	400 Bushels	550 Bushels	550 Bushels
249 cu. Ft.	249 cu. Ft.	249 cu. Ft.	435 cu. Ft.	435 cu. Ft.
340 cu. Ft.	418 cu. Ft.	340 cu. Ft.	508 cu. Ft.	604 cu. Ft.
418 cu. Ft.	N/A	418 cu. Ft.	604 cu. Ft.	N/A
11.5 tons	11.5 tons	11.5 tons	16.6 tons	16.6 tons
71 in.	71 in.	71 in.	71 in.	71 in.
32 in.	32 in.	32 in.	56.75 in.	56.75 in.
116.5 in./ 10.00-20	116.5 in./ 10.00-20	N/A	121.5 in./ 425/65R22.5	121.5 in./ 425/65R22.5
121.5 in./ 16.5L-16.1	121.5 in./ 16.5L-16.1	132 in./ 550/60-22.5	132.0 in./ 550/60-22.5	132.0 in./ 550/60-22.5
61.7 in.	72.5 in.	70 in.	86.75 in.	97.5 in.
70 in.	86 in.	84 in.	93.25 in.	112 in.
24 ft. 8 in. - 24 ft. 11 in.	28 ft. 6 in.	24 ft. 11 in.	24 ft. 8 in. - 24 ft. 11 in.	28 ft. 6 in.
16 ft. 1 in.	17 ft. 4 in.	16 ft. 1 in.	16 ft. 1 in.	17 ft. 4 in.
1/(2)	2	2	2/(3)	2
337 rpm	420 rpm / (360 rpm)	394 rpm	337 rpm	420 rpm
294 rpm	N/A	284 rpm	294 rpm	N/A
32 in./(16 in.)	34.6 in.	24 in.	32 in./24 in./ (16 in.)	34.6 in.
16	42	12	16	64
100 hp	100 hp	100 hp	150 hp	150 hp
Infinite from	Infinite from	Infinite from	Infinite from	Infinite from
0 - 16 ft./min.	0 - 16 ft./min.	0 - 16 ft./min.	0 - 16 ft./min.	0 - 16 ft./min.
1000 / (540)	1000 / (540)	1000	1000	1000
1-3/8 in.	1-3/8 in.	1-3/8 in.	1-3/8 in./ (1-3/4 in.)	1-3/8 in./ (1-3/4 in.)
Two	Two	Two	Two	Two

Pik Rite Hydra-Ram Spreaders are known for reliability, lower owning and operating costs, high productivity and even distribution of a wide variety of materials and application needs. When the job requires versatility, speed and dependability, you can count on the *Hydra-Ram* line of spreaders. The durable *Hydra-Ram* spreaders can apply a variety of different types of solid and semi-solid materials including pen packed manure, poultry manure, saturated poultry manure, fly ash or wet lime. The *Hydra-Ram* is built tough to withstand rocks and other debris found in most materials. *We must be doing something right!*

Pik Rite Success Stories

Zach Alger AAA Farming

"This spring we had 500 tons of chicken manure that had been completely saturated with rain water. Our box spreader just dumped the manure out in a mat and our litter spreader would have plugged up right away. We used a *Hydra-Ram* spreader to spread this difficult wet manure and the spreader put down an even 22 ft. pattern that was consistent from the start of the load until it was totally empty. We thought the machine would plug even when we tried feeding it fairly fast. I couldn't imagine a spreader that could have handled that difficult manure better than the *Hydra-Ram*."

Randy Lohr

"I've used other types of spinner spreaders and side slingers and the *Hydra-Ram* has by far the most even spread. Our *Hydra-Ram* Spreader is able to spread poultry litter and lime an even 15-20 feet wide pattern with less need to overlap as with other spinner spreaders."

Pete Stoltzfus Clay Knob Organic Farm

"Rugged, well designed and versatile. Dry chicken manure or bedded pack, this spreader does an exceptional job. Where it really shines is wet poultry manure, the material other spreaders can't handle. I even spread 120 ton of lime. I liked the single axle flotation tires which equals a tighter turning radius."

Hydra-Ram Features

Poly laminate Floor & Side Panels

High-density double-laminated floor and side panels reduce friction and minimize horsepower requirements making it easier to move heavier loads.

These durable smooth solid panels make cleanup easier and eliminate corrosion typical with steel sided machines.



Stainless Steel Tubing

Most spreader manufacturers use rubber tubing for their hydraulic systems. Rubber tubing can puncture and will wear over time. All Hydra-Ram units are built with stainless steel hydraulic lines throughout the undercarriage of the spreader.



Heavy Duty Bolt-in Spindles

Wheels are mounted to independent spindles that are inserted into a sleeve and bolted to the carriage. This allows spindles to be disassembled for maintenance or replacement.



Heavy-Duty Jack Stands

All Hydra-Ram spreaders come with heavy-duty jack stands.



The 5000 lb. **Side Wind Jack** comes standard on all 490, 490V, 490VB, 790, 790VB and 795 models.



The 9000 lb. **Side Wind Jack** comes standard on all 1190 and 1190VB models.



Removable Beater Assembly

Horizontal and vertical beaters can be easily removed to use spreaders for stockpiling.

Spinners

Heavy duty spinners provide unmatched widespread performance.



Gear Box

Power is delivered to the beaters through high strength splined shafts combined with a heavy duty right angle gear box.

Note: Shield removed for viewing.



Grease Fittings

Grease fittings for spindles are accessible from above the spreader.



Hydra-Ram Options



All Hydra-Ram models are factory built with a wide range of standard features. Most models can be upgraded with options to fill a variety of special needs.



Side & Pusher Extension Kit

Increase load capacity from 250 bushels to 325 bushels by adding a side & pusher extension kit to any 490 model.



The endgate contains free-flowing material from falling out and controls sloppy loads during transport.

Vertical beater endgate comes standard with a 3/8" rubber debris flap to protect the operator and tractor. This eliminates the need for a large screen on the front of our spreader.

Endgate

The Hydra-Ram endgate is available for all models and is operated by hydraulic cylinders and opens high to allow for maximum load clearance.



Dual-cylinders with stainless steel tubing are used to open and close the endgate on the 790 and 1190 models. All other models are equipped with a single-cylinder gate control.

Tires and Hydra-Ram Tire Configuration

550/60-22.5



11 R22.5 Truck



16.5 X 16.1



425/65R22.5
(385 also available)



12.5L



	RECAPPED TRUCK	USED TRUCK	IMPLEMENT	FLOTATION
Hydra-Ram 490 & 490VB	11R22.5 Truck	N/A	16.5 X 16.1	N/A
Hydra-Ram 490V	12.5L	N/A	N/A	N/A
Hydra-Ram 790	11R22.5 Truck	385/65R22.5 Truck	16.5 X 16.1	550/60-22.5 Single
Hydra-Ram 790VB	11R22.5 Truck	385/65R22.5 Truck	16.5 X 16.1	N/A
Hydra-Ram 795	N/A	N/A	550/60-22.5 Single	N/A
Hydra-Ram 1190 & 1190VB	N/A	425/65R22.5	N/A	550/60-22.5

Hydra-Ram Options



Safety Chain

In cases where a linchpin comes loose or a draw bar breaks, an optional safety chain provides added protection.



Light Kits

Protect yourself and others with a light kit designed specifically for your spreader. Our light kit features red and amber lights and working lights for the rear of the spreader.



Flow Controls

Our hydra-flow control adjusts the rate of distribution. It can be easily mounted behind the cab for on-the-go adjustability. We also offer an electric flow control for the 'serious' operator. Available in open or closed systems.



Beaters & Beater Configurations

Large main beaters are equipped with replaceable abrasion-resistant tips that aggressively break up and disperse manure while the optional upper beater allows for a more uniform spread.

Horizontal beater configurations are ideal for situations where clean-out and load or storage areas are restricted in size.

Upper Beaters

For distributing materials that are more prone to clumping, an optional upper beater can be added for a more uniform spread.

Horizontal beater models can be fitted with a top beater for finer distribution.



Vertical Beaters

Upgrade to a vertical beater model for a wider, more even spread pattern. Vertical beaters break up pen-packed manure and bedding and other materials that are hard to spread.

Vertical beater models deliver a fine, even spread pattern for crops being dressed closer to harvest time. Vertical beaters are ideal for no-till applications. Pusher extension provides complete clean-out of materials.



Slurry Pan

Our quick-opening slurry pan can be added to help spread chicken litter. This unit forces the beater to completely empty the load. The slurry pan will also help keep material off the roads.



PTO Options

Constant velocity PTO shafts feature torque-limiting and overrunning clutch.

VB models have a double constant velocity 1000 RPM PTO drive for more flexibility in turns and tighter turning radius than any other spreader on the market.

Available in 540 RPM or 1000 RPM.



Pik Rite Inc. reserves the right to change any equipment specifications, design or materials without notice.



More Pik Rite Success Stories

Chris Ulrich *Ulrich Farms*

"The Hydra-Ram spreader was able to break up and spread a wet, sticky layer of chicken manure evenly and accurately at low rates ranging from two to four tons per acre.

We used the Hydra-Ram spreader to spread some barnyard pack that contained unchopped baled cornstalk bedding. It completely shredded it up and spread an entire load in an even application. The Hydra Ram spreader seems to spread just about anything you want to put on the field. The most versatile spreader I have ever seen!"

Harvey Martin *Martins Produce*

"The Hydra-Ram spreaders don't take a lot of power. This spreader has a rate low enough to spread chicken manure with an even pattern, and it spreads wider than a beater type spreader. We used it to spread lime which was less dust than a fan type spreader. The dust was less for chicken manure also."

Dwight Hess

"Purchasing a piece of equipment is a major expense, so I looked at a lot of spreaders before I bought the Hydra-Ram 1190VB and I'm glad I did. Now I spend less time on field preparation because the Hydra-Ram breaks up the toughest packed material in a uniform, even spread pattern making it a great choice for no-till application. And the simplicity of the design of the 3-stage system has meant less maintenance and upkeep and very little clean-up time. I've recommended this machine to all my friends in the farming business."

"The most versatile spreader I have ever seen!"



Our **Mission**

Pik Rite, Inc. is a designer and manufacturer of innovative, quality-built equipment. We are committed to providing our employees with the best opportunities possible to foster growth in both their personal and work skills, while meeting customer needs and desires by supplying functional and fairly-priced products.



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