

# New Frontier Heavy-Duty Manure Spreaders



**235- to 660-bushel capacity**

## BUSHEL CAPACITY AND UNLOAD SPEED

**Introducing the all-new line of Frontier Heavy-duty Manure Spreaders, available exclusively through your John Deere dealer!** With seven models from 235- to 660-bushel capacity, there's a rugged Frontier spreader that's just right for your operation.

These spreaders boast one of the largest beaters on the market – 29 inches in diameter – for wide, uniform spread patterns. Various paddle assemblies deliver greater spreading control; blunt for widespread, and sharp, ripper-type paddles for more aggressive shredding action. An optional top beater makes easy work of high-heaped loads.

**Built-in strength for long life, guaranteed!** Frontier spreaders are constructed of a massive welded frame, reinforced with heavy floor supports and side stakes for tremendous strength and durability. The entire spreader box is poly-bonded for easy cleaning and minimal freeze up, and comes with a limited lifetime warranty!\* Check out these tough-built spreaders at your local John Deere dealership today or visit us at [www.BuyFrontier.com](http://www.BuyFrontier.com).

\*Warranty subject to limitations. See operators manual for warranty details.

Capacity	Struck Level (cu. ft.)	Heaped (bushel, old rating)
MS1223	143	235
MS1227	167	270
MS1231	185	310
MS1237	235	370
MS1243	275	430
MS1256	353	560
MS1266	479	660

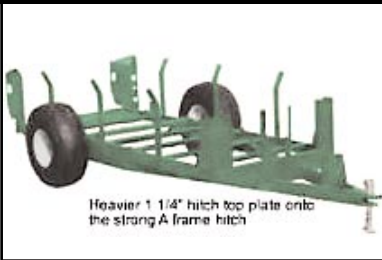
Unloading Speed (per minute)	High Speed	Low Speed
MS1223 2-speed gearbox	8 ft. 9 in.	4 ft. 9 in.
MS1227 2-speed gearbox	8 ft. 9 in.	4 ft. 9 in.
MS1231 2-speed chain drive	8 ft. 8.5 in.	4 ft. 8.5 in.
MS1237 2-speed chain drive	8 ft. 8.5 in.	4 ft. 8.5 in.
MS1243 2-speed chain drive	8 ft. 8.5 in.	4 ft. 8.5 in.
MS1256 Variable-speed hydraulic drive	0 ft. - 17 ft. 6 in. @16 GPM (no load)	
MS1266 Variable-speed hydraulic drive	0 ft. - 17 ft. 6 in. @16 GPM (no load)	





# Manure Spreaders: Built tough for

## HEAVY-DUTY MANURE SPREADER FEATURES



### Rugged, heavy-duty construction

Massive all-welded frame features heavy-duty floor and side stakes, and wrap-around steel front corners. Rear main-beater side panels are welded to durable 5-inch U-channel side members for extra strength, reliability.



### Years of dependable service

Spreader boxes are constructed of corrosion-resistant galvanized steel to ensure long life. Poly-bonded floor and sides come with a limited lifetime warranty!\*

*\*Warranty subject to limitations. See operators manual for warranty details.*

### Easy cleaning, smooth unloading

Entire spreader box is poly-bonded to marine-type plywood for easy cleaning and minimal freeze up, reducing the amount of torque needed to move heavier loads.



### Better cutting coverage

With one of the largest beaters on the market – 29 inches in diameter – these spreaders cover more area from top to bottom to handle big loads with ease. Faster tip-speed provides a wide, uniform spread.



### Versatile spreading action

Paddle assemblies match your material; blunt for wide spread patterns, and sharp, ripper-type paddles for more aggressive shredding action.



### Tackle high-heaped loads

Top beater makes easy work of high-heaped loads.

*(Standard on MS1256 and MS1266, optional on all other heavy-duty models)*



### Hydraulic endgate

Helps contain high-moisture loads and prevents spillage during transport.

*(Optional on MS1223 and MS1227, standard on all other heavy-duty models)*

# or the long haul



## Longer component life

Apron idler sprockets are made from rugged cast, steel alloy. They last far longer than idler sprockets found on other spreaders.



## Hydraulic apron drive

Provides versatile load movement with variable speeds. Standard on the MS1256 and MS1266, and optional on all other Frontier Heavy-duty Spreaders.



## Two-speed apron drive

Includes low speed, high speed, and cleanout mode.

*(Standard on MS1223, MS1227, MS1231, MS1237, and MS1243.)*



## Efficient load movement

Strong, double main-apron chain handles heavy loads with ease.

*(Standard on MS1256 and MS1266)*



## Easy apron adjustment

Adjust the main apron by simply loosening the two side bolts and pulling up the long bolt. Simple and fast.



## Design protects hydraulic lines

With the optional second hydraulic endgate cylinder, hydraulic lines run through a 3x3 tube under the floor, eliminating the chance for punctures, tears, and leaks.

*(Available on MS1223, MS1227, MS1231)*



Rugged. Reliable. Ready.



*Heavy-duty spreaders from 235- to 660-bushel capacity to fit your operation*

*Hydraulic endgate – ideal for high-moisture loads. Standard on 310- to 660-bushel spreaders*



*Top beater tackles high-heaped loads. Standard on 560- and 660-bushel spreaders*



# New Frontier Heavy-Duty Manure Spreaders

## SPECIFICATIONS

Model Number	MS1223	MS1227	MS1231	MS1237
Top of flare width	68 in. (173 cm)	68 in. (173 cm)	68 in. (173 cm)	68 in. (1.7 m)
Inside width	60 in. (152 cm)	60 in. (152 cm)	60 in. (152 cm)	60 in. (1.5 m)
Inside length	12 ft. 1 (3.7 m)	14 ft. 1 in. (4.3 m)	15 ft. 7 in. (4.8 m)	16 ft. 6 in. (5.1 m)
Inside depth	28-3/8 in. (72 cm)	28-3/8 in. (72 cm)	28-3/8 in. (72 cm)	34-3/8 in. (87 cm)
Overall length	18 ft. 6 in. (5.7 m)	20 ft. 5-1/2 in. (6.3 m)	21 ft. 11-1/2 in. (6.7 m)	23 ft. 2-1/2 in. (7.1 m)
Overall width with standard tires	92-1/2 in. (235 cm)	92-1/2 in. (235 cm)	97 in. (246 cm)	97 in. (2.5 m)
Overall loading height - top of flare	51-1/2 in. (131 cm)	51-1/2 in. (131 cm)	51-1/2 in. (131 cm)	57-1/2 in. (1.5 m)
Overall height with hydraulic endgate	55 in. (140 cm)	55 in. (140 cm)	55 in. (140 cm)	61 in. (1.5 m)
Hub style	Greaseable	Greaseable	Greaseable	Greaseable
Axle	Single	Single	Tandem	Tandem
Spindle size	2 in. (5 cm)	2-1/2 in. (6 cm)	2-1/4 in. (6 cm)	2-1/2 in. (63 mm)
Standard tire size	11 X 22.5 Recap	11 X 22.5 Recap	11 X 22.5 Recap	11 X 22.5 Recap
Diameter of beater	29 in. (74 cm)	29 in. (74 cm)	29 in. (74 cm)	29 in. (74 cm)
Upper beater	Optional	Optional	Optional	Optional
Number of paddles	14	14	14	14
Replaceable paddles	Yes	Yes	Yes	Yes
Main apron chain	T-rod	T-rod	T-rod	T-rod
Capacity - cu. ft. (struck level)	143	167	185	235
Capacity - heaped bushels	235	270	310	370
Hydraulic endgate	Optional	Optional	Standard	Standard
Box construction	Bonded poly	Bonded poly	Bonded poly	Bonded poly
Floor construction	Bonded poly	Bonded poly	Bonded poly	Bonded poly
Drive systems - apron and beater	2-speed PTO drive optional hydraulic	2-Speed PTO drive optional hydraulic	2-Speed PTO drive apron PTO on beater	2-Speed PTO drive apron PTO on beater
Rear pan	Standard	Standard	Optional	Optional
PTO speed (RPM)	540	540	540 / 1000 optional	540 / 1000 optional
Towing unit minimum weight	7,741 lb. (3,511 kg)	9,067 lb. (4,113 kg)	10,531 lb. (4,777 kg)	13,264 lb. (6,016 kg)
Swing-away jack	Standard	Standard	Standard	Standard
Weight w/ tires	2,890 lb. (1,311 kg)	3,230 lb. (1,495 kg)	4,190 lb. (1,901 kg)	4,920 lb. (2,232 kg)

Model Number	MS1243	MS1256	MS1266
Top of flare width	68 in. (173 cm)	89-1/2 in. (227 cm)	89-1/2 in. (227 cm)
Inside width	60 in. (152 cm)	80 in. (203 cm)	80 in. (203 cm)
Inside length	16 ft. 6 in. (5.1 m)	17 ft. 5 in. (5.3 m)	17 ft. 5 in. (5.3 m)
Inside depth	40-3/8 in. (102 cm)	36 in. (91 cm)	49 in. (124 cm)
Overall length	23 ft. 2-1/2 in. (7.1 m)	24 ft. 7 in. (7.5 m)	26 ft. 10 in. (10.2 m)
Overall width with standard tires	107 in. (272 cm)	130 in. (330 cm)	130 in. (330 cm)
Overall loading height - top of flare	63-1/2 in. (161 cm)	63-1/2 in. (161 cm)	78-3/4 in. (200 cm)
Overall height with hydraulic endgate	63-1/2 in. (161 cm)	78 in. (198 cm)*	83 in. (211 cm)*
Hub style	Greaseable	Greaseable	Oil bath
Axle	Tandem	Tandem	Tandem
Spindle size	2-1/2 in. (6 cm)	3 in. (8 cm)	3 in. (8 cm)
Standard tire size	16.1 X 16.5	425 X 22.5 used truck tire	425 X 22.5 used truck tire
Diameter of beater	29 in. (74 cm)	29 in. (74 cm)	29 in. (74 cm)
Upper beater	Optional	Standard	Standard
Number of paddles	14	14	14
Replaceable paddles	Yes	Yes	Yes
Main apron chain	T-rod	T-bar	T-bar
Capacity - cu. ft. (struck level)	275	353	479
Capacity - heaped bushels (old rating)	430	560	660
Hydraulic endgate	Standard	Standard	Standard
Box construction	Bonded poly	Bonded poly	Bonded poly
Floor construction	Bonded poly	Solid virgin poly	Solid virgin poly
Drive systems - apron and beater	2-speed PTO drive optional hydraulic	Hydraulic drive on apron PTO on beater	Hydraulic drive on apron PTO on beater
Rear pan	Optional	Optional	Optional
PTO speed (RPM)	540 / 1000 optional	1000	1000
Towing unit minimum weight**	15,340 lb. (6,958 kg)	20,282 lb. (9,200 kg)	26,687 lb. (12,110 kg)
Swing-away jack	Standard	Standard	Standard
Weight w/ tires	5,220 lb. (2,368 kg)	8,140 lb. (3,692 kg)	9,600 lb. (4,354 kg)

Frontier also offers manure spreaders from 25- to 175-bushel capacity for smaller horsebarn and farm operations.

\*Overall height to top beater

\*\*If towed equipment does not have brakes, do not travel more than 32 km/hr (20 mph) and do not tow loads more than 1.5 times the towing vehicle weight.

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