

FRONTIER PRODUCTS
Livestock & Equine Management

MS1117 - 175 Bushel PTO Driven Two Speed Manure Spreader
Equipment for Base Machine

Number of Paddles: 8
Main Apron Chain: T-Rod
Tractor HP (2WD): 38 HP
Capacity - Cubic Foot Struck Level: 105
Capacity - Heaped (Old Rating)
Bushels: 175 Bushels
Box Construction:
Corrosion Resistant Galvanized Steel
Frame Design: Box on Frame
Floor Construction: Bonded Poly
Shear Bolt Protection: Drive Line
Apron Drive: Gearbox, 2 Speed PTO
Swing Away Jack: Standard
Inside Length: 11 Ft. 1 In.
Diameter of Beater: 27 In.
Weight with Tires: 2030 lbs.
Standard Tire Size: 10R x 22.5
Overall Width with Standard Tires: 83-1/2 In.
Overall Height with Hydraulic Endgate: 49 In.
Overall Loading Height
- Top of Flare: 45-1/2 In.
Inside Depth: 25-3/4 In.
Inside Width: 54 In.
Top of Flare Width: 63-1/2 In.

Approximate Tongue Weight Loaded: 1022 lbs.
Approximate Weight Spreader
- Fully Loaded: 8508 lbs.
Overall Length: 17 Ft. 8 In.
Spindle Size: 2 In.
Rear Hydraulic Endgate: Optional
Semi Liquid Rear Pan: Optional
PTO Speed: 540 RPM
Drive System - Apron and Beater: PTO Driven
Replaceable Paddles: No
Hub Style: Greaseable
Axle: Single
Set-Up Time: 30 Minutes
Warranty: 1 Year Parts and Labor,
Poly Floors - 10 Year Warranty
to Original Owner when used to spread normal
agricultural manure.

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0806XF		MS1117 - 175 Bushel PTO Driven Two Speed Manure Spreader <i>Includes 540 RPM PTO</i>	13,376.00
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REAR PAN

7000		Rear Pan <i>Recommended when spreading slurry.</i>	483.00
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END GATE

7050		Hydraulic End Gate	1,617.00
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BEATER

9000		Top Beater	1,123.00
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ATTACHMENTS FOR FIELD CONVERSION

Miscellaneous			
5HPMSO2B175	Hydraulic End Gate		1,746.36
5HPMSO3B3	Rear Pan <i>Recommended when spreading slurry.</i>		521.64
5HPMSOTB175	Top Beater		1,212.84

FRONTIER PRODUCTS
Livestock & Equine Management

MS1117 - 175 Bushel PTO Driven Two Speed Manure Spreader
Continued

FRONTIER PRODUCTS
Livestock & Equine Management

MS1112 - 125 Bushel PTO Driven Two Speed Manure Spreader
Equipment for Base Machine

Swing Away Jack: Standard
Main Apron Chain: #67XH Chain
Tractor HP (2WD): 33 HP
Capacity - Cubic Foot Struck Level: 75
Capacity - Heaped (Old Rating)
Bushels: 125 Bushels
Box Construction:
Corrosion Resistant Galvanized Steel
Frame Design: Box Frame
Floor Construction: Bonded Poly
Shear Bolt Protection:
One Bolt for Both Drive and Beater
Weight with Tires: 1600 lbs.
Number of Paddles: 10
Standard Tire Size: 10.00 x 15
PTO Drive: 540 RPM
Top of Flare Width: 54 In.
Overall Width with Standard Tires: 80 In.
Overall Height with Hydraulic Endgate: N/A
Overall Loading Height
- Top of Flare: 43-1/2 In.
Overall Length: 15 Ft. 3 In.
Inside Depth: 22 In.
Inside Length: 10 Ft. 6 In.

Inside Width: 48 In.
Spindle Size: 2 In.
Diameter of Beater: 22 In.
Approximate Tongue Weight Loaded: 997 lbs.
Approximate Weight Spreader
- Fully Loaded: 6820 lbs.
Semi Liquid Rear Pan: Optional
Drive System - Apron and Beater: PTO Driven
Apron Drive: Timken Drive, Two Speed
Apron Speed: Single Speed
Replaceable Beaters: No
Hub Style: Greaseable
Axle: Single
Set-Up Time: 30 Minutes
Warranty: 1 Year Parts and Labor,
Poly Floors - 10 Year Warranty
to Original Owner when used to spread normal
agricultural manure.

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0805XF		MS1112 - 125 Bushel PTO Driven Two Speed Manure Spreader <i>Includes 540 RPM PTO</i>	10,445.00
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REAR PAN

7000		Rear Pan <i>Recommended when spreading slurry.</i>	444.00
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ATTACHMENTS FOR FIELD CONVERSION

	Miscellaneous		
5HPMSOPAN12	Rear Pan <i>Recommended when spreading slurry.</i>		479.52

FRONTIER PRODUCTS
Livestock & Equine Management

MS1112 - 125 Bushel PTO Driven Two Speed Manure Spreader
Continued

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FRONTIER PRODUCTS
Livestock & Equine Management

MS1108 - 80 Bushel PTO Driven Two Speed Manure Spreader
Equipment for Base Machine

Swing Away Jack: Standard
Standard Tire Size: 6.70 x 15
PTO Speed: 540 RPM
Floor Construction: Bonded Poly
Shear Bolt Protection:
Drive Line and Beater
Box Construction:
Corrosion Resistant Galvanized Steel
Frame Design: Box Frame
Capacity - Heaped (Old Rating)
Bushels: 80 Bushels
Capacity - Cubic Foot Struck Level: 53
Main Apron Chain: #67H Chain
Tractor HP (2WD): 23 HP
Number Of Paddles: 10
Weight with Tires: 1140 lbs.
Approximate Tongue Weight Loaded: 737 lbs.
Approximate Weight Spreader
- Fully Loaded: 4923 lbs.
Overall Width with Standard Tires: 76 In.
Overall Height with Hydraulic Endgate: N/A
Overall Loading Height -
Top of Flare: 37 In.
Overall Length: 13 Ft. 8 In.

Inside Depth: 17 In.
Inside Length: 96 In.
Inside Width: 48 In.
Top of Flare Width: 51 In.
Spindle Size: 2 In.
Diameter of Beater: 18-1/2 In.
Semi Liquid Rear Pan: Optional
Drive System - Apron and Beater: PTO Driven
Apron Drive: Timken Drive, Two Speed
Apron Speed: Two Speed
Replaceable Paddle: No
Hub Style: Greaseable
Axle: Single
Set-Up Time: 30 Minutes
Warranty: 1 Year Parts and Labor,
Poly Floors - 10 Year Warranty
to Original Owner when used to spread normal
agricultural manure.

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0804XF		MS1108 - 80 Bushel PTO Driven Two Speed Manure Spreader <i>Includes 540 RPM PTO</i>	8,185.00
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REAR PAN

7000		Rear Pan <i>Recommended when spreading slurry.</i>	411.00
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ATTACHMENTS FOR FIELD CONVERSION

5HPMSO3C		Miscellaneous Rear Pan <i>Recommended when spreading slurry.</i>	443.88
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FRONTIER PRODUCTS
Livestock & Equine Management

MS1108 - 80 Bushel PTO Driven Two Speed Manure Spreader
Continued

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FRONTIER PRODUCTS
Livestock & Equine Management

MS1108G - 80 Bushel Ground Driven Manure Spreader
Equipment for Base Machine

Spindle Size: 2 In.
Overall Height with Hydraulic Endgate: N/A
Overall Loading Height -
Top of Flare: 37 In.
Overall Length: 13 Ft. 8 In.
Inside Depth: 17 In.
Inside Length: 96 In.
Inside Width: 48 In.
Top of Flare Width: 51 In.
Standard Tire Size: 6.70 x 15
Approximate Tongue Weight Loaded: 570 lbs.
Approximate Weight Spreader
- Fully Loaded: 4276 lbs.
Weight with Tires: 1140 lbs.
Swing Away Jack: Standard
Apron Drive: Adjustable Ratchet
Drive - Ground Driven
Apron Speed: Single Speed
Floor Construction: Bonded Poly
Shear Bolt Protection: Driveline and Beater
Frame Design: Box Frame
Box Construction:
Corrosion Resistant Galvanized Steel
Capacity - Cubic Foot Struck Level: 53

Main Apron Chain: #67H Chain
Tractor HP (2WD): 23 HP
Number Of Paddles: 10
Diameter Of Beater: 18-1/2 In.
Capacity - Heaped (Old Rating)
Bushels: 80 Bushels
Overall Width with Standard Tires: 76 In.
Semi Liquid Rear Pan: Optional
Drive System - Apron and Beater:
Ground Driven
Replaceable Paddles: No
Hub Style: Greaseable
Axle: Single
Set-Up Time: 30 Minutes
Warranty: 1 Year Parts and Labor,
Poly Floors - 10 Year Warranty
to Original Owner when used to spread normal
agricultural manure.

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0803XF		MS1108G - 80 Bushel Ground Driven Manure Spreader	6,525.00
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REAR PAN

7000		Rear Pan <i>Recommended when spreading slurry.</i>	411.00
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ATTACHMENTS FOR FIELD CONVERSION

	5HPMSO3C	Miscellaneous Rear Pan <i>Recommended when spreading slurry.</i>	443.88
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FRONTIER PRODUCTS
Livestock & Equine Management

MS1108G - 80 Bushel Ground Driven Manure Spreader
Continued

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FRONTIER PRODUCTS
Livestock & Equine Management

MS1105G - 50 Bushel Ground Driven Manure Spreader
Equipment for Base Machine

Spindle Size: 1-3/4 In.
Capacity - Cubic Foot Struck Level: 35
Swing Away Jack: Standard
Weight with Tires: 790 lbs.
Apron Drive: Adjustable Ratchet
Drive - Ground Driven
Apron Speed: Two Speed - per Adjustable Ratchet
Floor Construction: Bonded Poly
Capacity - Heaped (Old Rating)
Bushels: 50 Bushels
Main Apron Chain: #62 Chain
Tractor HP (2WD): 17.7 HP
Number of Paddles: 8
Diameter of Beater: 17-1/2 In.
Inside Width: 36 In.
Frame Design: Box Frame
Box Construction:
Corrosion Resistant Galvanized Steel
Standard Tire Size: 7.60 x 15
Top of Flare Width: 36 In.
Inside Length: 97 In.
Inside Depth: 17-1/2 In.
Overall Length: 13 Ft. 4 In.
Approximate Tongue Weight Loaded: 422 lbs.

Approximate Weight Spreader
- Fully Loaded: 3266 lbs.
Overall Loading Height
- top Of Flare: 32-1/2 In.
Overall Height with Hydraulic Endgate: N/A
Overall Width with Standard Tires: 58 In.
Semi Liquid Rear Pan: Optional
Drive System - Apron and Beater:
Ground Driven
Replaceable Paddle: No
Hub Style: Greaseable
Axle: Single
Set-Up Time: 30 Minutes
Warranty: 1 Year Parts and Labor,
Poly Floors - 10 Year Warranty
to Original Owner when used to spread normal
agricultural manure.

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0802XF		MS1105G - 50 Bushel Ground Driven Manure Spreader	5,717.00
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REAR PAN

7000		Rear Pan <i>Recommended when spreading slurry.</i>	342.00
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ATTACHMENTS FOR FIELD CONVERSION

	5HPMSO3D	Miscellaneous Rear Pan <i>Recommended when spreading slurry.</i>	369.36
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FRONTIER PRODUCTS
Livestock & Equine Management

MS1105G - 50 Bushel Ground Driven Manure Spreader
Continued

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FRONTIER PRODUCTS
Livestock & Equine Management

MS1102G - 25 Bushel Ground Driven Manure Spreader
Equipment for Base Machine

Main Apron Chain: #55 Chain
Tractor HP (2WD): 17.7 HP
Diameter of Beater: 20 In.
Standard Tire Size: 5 x 12
Overall Width with Standard Tires: 42 In.
Overall Height with
Hydraulic Endgate: N/A
Apron Drive: Adjustable Ratchet
Drive - Ground Driven
Number of Paddles: 8
Floor Construction: Bonded Poly
Overall Loading Height
- Top of Flare: 30 In.
Weight with Tires: 350 lbs.
Swing Away Jack: N/A
Inside Width: 22 In.
Inside Length: 72 In.
Inside Depth: 17 In.
Overall Length: 9 Ft. 1 In.
Spindle Size: 1-1/4 In.
Approximate Tongue Weight Loaded: 136 lbs.
Approximate Weight Spreader
- Fully Loaded: 1441 lbs.
Box Construction:

Corrosion Resistant Galvanized Steel
Frame Design: Box Frame
Capacity:
Heaped (Old Rating) Bushels: 25 Bushels
Cubic Foot Struck Level: 13.6
Top of Flare Width: 28-1/2 In.
Semi Liquid Rear Pan: Optional
Drive System - Apron and Beater:
Ground Driven
Replaceable Paddles: No
Hub Style: Greaseable
Axle: Single
Set-Up Time: 30 Minutes
Warranty: 1 Year Parts and Labor,
Poly Floors - 10 Year Warranty
to Original Owner when used to spread normal
agricultural manure.

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0801XF		MS1102G - 25 Bushel Ground Driven Manure Spreader	3,549.00
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REAR PAN

7000		Rear Pan <i>Recommended when spreading slurry.</i>	289.00
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ATTACHMENTS FOR FIELD CONVERSION

	5HPMSO3E	Miscellaneous Rear Pan <i>Recommended when spreading slurry.</i>	312.12
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FRONTIER PRODUCTS
Livestock & Equine Management

MS1102G - 25 Bushel Ground Driven Manure Spreader
Continued

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FRONTIER PRODUCTS
Livestock & Equine Management

MS1223 - 235 Bushel Chain Unloading Manure Spreader
Equipment for Base Machine

Minimum Tractor Weight: 7,742 lbs.
Top of Flare Width: 68 In.
Inside Width: 60 In.
Inside Length: 12 Ft. 1 In.
Inside Depth: 28-3/8 In.
Overall Width with Standard Tires: 92-1/2 In.
Spindle Size: 2 In.
Overall Length: 18 Ft. 6 In.
Overall Loading Height
- Top of Flare: 51-1/2 In.
Overall Height with Hydraulic Endgate: 55 In.
Diameter of Beater: 29 In.
Upper Beater: Optional
Weight with Tires: 2890 lbs.
Capacity - Old Rating: 235
Capacity Cubic Foot Struck Level: 143
Rear Hydraulic End Gate: Optional
Semi Liquid Rear Pan: Standard

PTO Speed: 540 RPM
Swing Away Jack: Standard
Drive: 2 Speed
Variable Speed Hydraulic Drive: Optional
Front Splash Panel: Standard
Hydraulic Cylinder on
Hydraulic Endgate: One/2 Optional
Warranty: 1st Year Parts and Labor
Lifetime Warranty:
Bonded Polyethylene Floor and Sides
10-Year Warranty: Plywood (Against Rot) with normal agricultural manure

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0821XF		MS1223 - 235 Bushel Chain Unloading Manure Spreader <i>Includes 540 RPM PTO, and End Gate.</i>	18,299.00
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END GATE

1000		End Gate	In Base Price
1095		Less End Gate	-1,931.00

END GATE CYLINDERS

1105		One Cylinder	In Base Price
1110		Two Cylinders	664.00
1195		Less Cylinder	No Added Cost

APRON DRIVE

2000		Two Speed PTO Driven Apron	In Base Price
2020		Variable Speed Hydraulic Apron	No Added Cost

APRON CONTROLS

2040		Two Speed PTO Rope Control	In Base Price
2050		Electric Variable Speed Apron Control	540.00
2055		Manual Variable Speed Apron Control	No Added Cost

REAR PAN

FRONTIER PRODUCTS
Livestock & Equine Management

MS1223 - 235 Bushel Chain Unloading Manure Spreader
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
REAR PAN ...Continued...			
4000		Rear Pan	In Base Price
4020		No Rear Pan	-565.00
HYDRAULIC HOSE HOOK-UP			
2110		Standard Hose Hook-up	In Base Price
2105		2 Hose Hook-up <i>One SCV required, Tailgate and apron both controlled with one SCV. There is a sequence valve.</i>	2,065.00
2125		4 Hose Hook-up <i>Two SCV's required, One SCV will control the tailgate and One SCV will control the apron.</i>	1,750.00
TIRES			
3005		16.5 x 16.1 Flotation Tires	1,307.00
3060		295 x 22.5 Recapped Tires	In Base Price
BEATER			
9000		Top Beater	1,319.00
OPERATOR'S MANUAL AND DECALS			
9200		French Operators Manual and Decals	No Added Cost
ATTACHMENTS FOR FIELD CONVERSION			
Miscellaneous			
5HPMSOEC		Electric Variable Speed Hydraulic Apron Control	583.20
5HPMSO2B235		End Gate (MS1223)	2,414.88
5HPMSO235HD4		Four Hose Hook-up (MS1223, & MS1227)	1,890.00
5HP608FK1223		French Operators Manual and Decals (MS1223)	47.04
5HPMSOPAN235		Rear Pan (MS1223, & MS1227)	610.20
5HPMSOTB235		Top Beater	1,424.52
5HPMSO235HD2		Two Hose Hook-Up (MS1223, & MS1227)	2,230.20

FRONTIER PRODUCTS
Livestock & Equine Management

MS1227 - 270 Bushel Chain Unloading Manure Spreader
Equipment for Base Machine

Minimum Tractor Weight: 9,068 lbs.
Top of Flare Width: 68 In.
Inside Width: 60 In.
Inside Length: 14 Ft. 1 In.
Inside Depth: 28-3/8 In.
Overall Width with Standard Tires: 92-1/2 In.
Spindle Size: 2-1/2 In.
Overall Length: 20 Ft. 5-1/2 In.
Overall Loading Height
- Top of Flare: 51-1/2 In.
Overall Height with Hydraulic Endgate: 55 In.
Diameter of Beater: 29 In.
Upper Beater: Optional
Weight with Tires: 3230 lbs.
Capacity - Old Rating: 270
Capacity Cubic Foot Struck Level: 167
Rear Hydraulic End Gate: Optional
Semi Liquid Rear Pan: Standard

PTO Speed: 540 RPM
Swing Away Jack: Standard
Drive: 2 Speed
Variable Speed Hydraulic Drive: Optional
Front Splash Panel: Standard
Hydraulic Cylinder on
Hydraulic Endgate: One/2 Optional
Warranty: 1st Year Parts and Labor
Lifetime Warranty:
Bonded Polyethylene Floor and Sides
10-Year Warranty: Plywood (Against Rot) with normal agricultural manure

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0822XF		MS1227 - 270 Bushel Chain Unloading Manure Spreader <i>Includes 540 RPM PTO, and End Gate.</i>	20,025.00
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END GATE

1000		End Gate	In Base Price
1095		Less End Gate	-1,934.00

END GATE CYLINDERS

1105		One Cylinder	In Base Price
1110		Two Cylinders	664.00
1195		Less Cylinder	No Added Cost

APRON DRIVE

2000		Two Speed PTO Driven Apron	In Base Price
2020		Variable Speed Hydraulic Apron	No Added Cost

APRON CONTROLS

2040		Two Speed PTO Rope Control	In Base Price
2050		Electric Variable Speed Apron Control	540.00
2055		Manual Variable Speed Apron Control	No Added Cost

REAR PAN

FRONTIER PRODUCTS
Livestock & Equine Management

MS1227 - 270 Bushel Chain Unloading Manure Spreader
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
REAR PAN ...Continued...			
4000		Rear Pan	In Base Price
4020		No Rear Pan	-565.00
HYDRAULIC HOSE HOOK-UP			
2110		Standard Hose Hook-up	In Base Price
2105		2 Hose Hook-up <i>One SCV required, Tailgate and apron both controlled with one SCV. There is a sequence valve.</i>	2,065.00
2125		4 Hose Hook-up <i>Two SCV's required, One SCV will control the tailgate and One SCV will control the apron.</i>	1,750.00
TIRES			
3005		16.5 x 16.1 Flotation Tires	1,307.00
3060		295 x 22.5 Recapped Tires	In Base Price
BEATER			
9000		Top Beater	1,319.00
OPERATOR'S MANUAL AND DECALS			
9200		French Operators Manual and Decals	No Added Cost
ATTACHMENTS FOR FIELD CONVERSION			
Miscellaneous			
5HPMSOEC		Electric Variable Speed Hydraulic Apron Control	583.20
5HPMSO2B270		End Gate (MS1227)	2,412.72
5HPMSO235HD4		Four Hose Hook-up (MS1223, & MS1227)	1,890.00
5HP608FK1227		French Operators Manual and Decals (MS1227)	47.04
5HPMSOPAN235		Rear Pan (MS1223, & MS1227)	610.20
5HPMSOTB235		Top Beater	1,424.52
5HPMSO235HD2		Two Hose Hook-Up (MS1223, & MS1227)	2,230.20

FRONTIER PRODUCTS
Livestock & Equine Management

MS1231 - 310 Bushel Chain Unloading Manure Spreader
Equipment for Base Machine

Minimum Tractor Weight: 10,532 lbs.
Top of Flare Width: 68 In.
Inside Width: 60 In.
Inside Length: 15 Ft. 7 In.
Inside Depth: 28-3/8 In.
Overall Width with Standard Tires: 97 In.
Spindle Size: 2-1/4 In.
Overall Length: 21 Ft. 11-1/2 In.
Overall Loading Height
- Top of Flare: 51-1/2 In.
Overall Height with Hydraulic Endgate: 55 In.
Diameter of Beater: 29 In.
Upper Beater: Optional
Weight with Tires: 4190 lbs.
Capacity - Old Rating: 310
Capacity Cubic Foot Struck Level: 185
Rear Hydraulic End Gate: Standard
Semi Liquid Rear Pan: Optional

PTO Speed: 540, 1000 RPM Optional
Swing Away Jack: Standard
Drive: 2 Speed
Variable Speed Hydraulic Drive: Optional
Front Splash Panel: Standard
Hydraulic Cylinder on
Hydraulic Endgate: One/2 Optional
Warranty: 1st Year Parts and Labor
Lifetime Warranty:
Bonded Polyethylene Floor and Sides
10-Year Warranty: Plywood (Against Rot) with normal agricultural manure

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0823XF		MS1231 - 310 Bushel Chain Unloading Manure Spreader <i>Hydraulic Endgate, and Rear Pan are standard.</i>	25,773.00
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END GATE CYLINDERS

1105		One Cylinder	In Base Price
1110		Two Cylinders	664.00

APRON DRIVE

2000		Two Speed PTO Driven Apron	In Base Price
2020		Variable Speed Hydraulic Apron	No Added Cost

APRON CONTROLS

2040		Two Speed PTO Rope Control	In Base Price
2050		Electric Variable Speed Apron Control	540.00
2055		Manual Variable Speed Apron Control	No Added Cost

REAR PAN

4000		Rear Pan	In Base Price
4020		No Rear Pan	-565.00

HYDRAULIC HOSE HOOK-UP

2110		Standard Hose Hook-up	In Base Price
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FRONTIER PRODUCTS
Livestock & Equine Management

MS1231 - 310 Bushel Chain Unloading Manure Spreader
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
2105		HYDRAULIC HOSE HOOK-UP ...Continued... 2 Hose Hook-up <i>One SCV required, Tailgate and apron both controlled with one SCV. There is a sequence valve.</i>	2,048.00
2125		4 Hose Hook-up <i>Two SCV's required, One SCV will control the tailgate and One SCV will control the apron.</i>	1,734.00
TIRES			
3005		16.5 x 16.1 Flotation Tires	2,540.00
3060		295 x 22.5 Recapped Tires	In Base Price
POWER TAKE-OFF (PTO)			
5012		540 RPM PTO	In Base Price
5011		1000 RPM PTO 1 3/8"	567.00
BEATER			
9000		Top Beater	1,319.00
OPERATOR'S MANUAL AND DECALS			
9200		French Operators Manual and Decals	No Added Cost
ATTACHMENTS FOR FIELD CONVERSION			
Miscellaneous			
5HPMSOEC		Electric Variable Speed Hydraulic Apron Control	583.20
5HPMSO310HD4		Four Hose Hook-Up (MS1231, MS1237, & MS1243)	1,872.72
5HP608FK1231		French Operators Manual and Decals (MS1231)	45.92
5HPMSOPAN310		Rear Pan (MS1231, MS1237, & MS1243)	610.20
5HPMSOTB235		Top Beater	1,424.52
5HPMSO310HD2		Two Hose Hook-Up (MS1231, MS1237, & MS1243)	2,211.84

FRONTIER PRODUCTS
Livestock & Equine Management

MS1237 - 370 Bushel Chain Unloading Manure Spreader
Equipment for Base Machine

Minimum Tractor Weight: 13,264 lbs.
Top of Flare Width: 68 In.
Inside Width: 60 In.
Inside Length: 16 Ft. 6 In.
Inside Depth: 34-3/8 In.
Overall Width with Standard Tires: 97 In.
Spindle Size: 2-1/2 In.
Overall Length: 23' 2-1/2 In.
Overall Loading Height
- Top of Flare: 57-1/2 In.
Overall Height with Hydraulic Endgate: 61 In.
Diameter of Beater: 29 In.
Upper Beater: Optional
Weight with Tires: 4920 lbs.
Capacity - Old Rating: 370
Capacity Cubic Foot Struck Level: 235
Rear Hydraulic End Gate: Standard
Semi Liquid Rear Pan: Optional

PTO Speed: 540, 1000 RPM Optional
Swing Away Jack: Standard
Drive: 2 Speed
Variable Speed Hydraulic Drive: Optional
Front Splash Panel: Standard
Hydraulic Cylinder on
Hydraulic Endgate: Two
Warranty: 1st Year Parts and Labor
Lifetime Warranty:
Bonded Polyethylene Floor and Sides
10-Year Warranty: Plywood (Against Rot) with normal
agricultural manure

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0824XF		MS1237 - 370 Bushel Chain Unloading Manure Spreader <i>Hydraulic Endgate, and Rear Pan are standard.</i>	28,700.00
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APRON DRIVE

2000		Two Speed PTO Driven Apron	In Base Price
2020		Variable Speed Hydraulic Apron	No Added Cost

APRON CONTROLS

2040		Two Speed PTO Rope Control	In Base Price
2050		Electric Variable Speed Apron Control	540.00
2055		Manual Variable Speed Apron Control	No Added Cost

REAR PAN

4000		Rear Pan	In Base Price
4020		No Rear Pan	-565.00

HYDRAULIC HOSE HOOK-UP

2110		Standard Hose Hook-up	In Base Price
2105		2 Hose Hook-up <i>One SCV required, Tailgate and apron both controlled with one SCV. There is a sequence valve.</i>	2,048.00

FRONTIER PRODUCTS
Livestock & Equine Management

MS1237 - 370 Bushel Chain Unloading Manure Spreader
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
2125		HYDRAULIC HOSE HOOK-UP ...Continued... 4 Hose Hook-up <i>Two SCV's required, One SCV will control the tailgate and One SCV will control the apron.</i>	1,734.00
TIRES			
3005		16.5 x 16.1 Flotation Tires	2,540.00
3060		295 x 22.5 Recapped Tires	In Base Price
POWER TAKE-OFF (PTO)			
5012		540 RPM PTO	In Base Price
5011		1000 RPM PTO 1 3/8"	567.00
BEATER			
9000		Top Beater	1,322.00
OPERATOR'S MANUAL AND DECALS			
9200		French Operators Manual and Decals	No Added Cost
ATTACHMENTS FOR FIELD CONVERSION			
Miscellaneous			
5HPMSOEC		Electric Variable Speed Hydraulic Apron Control	583.20
5HPMSO310HD4		Four Hose Hook-Up (MS1231, MS1237, & MS1243)	1,872.72
5HP608FK1237		French Operators Manual and Decals (MS1237)	45.92
5HPMSOPAN310		Rear Pan (MS1231, MS1237, & MS1243)	610.20
5HPMSOTB370		Top Beater	1,427.76
5HPMSO310HD2		Two Hose Hook-Up (MS1231, MS1237, & MS1243)	2,211.84

FRONTIER PRODUCTS
Livestock & Equine Management

MS1243 - 430 Bushel Chain Unloading Manure Spreader
Equipment for Base Machine

Minimum Tractor Weight: 15,340 lbs.
Top of Flare Width: 68 In.
Inside Width: 60 In.
Inside Length: 16 Ft. 6 In.
Inside Depth: 40-3/8 In.
Overall Width with Standard Tires: 107 In.
Spindle Size: 2-1/2 In.
Overall Length: 23 Ft. 2-1/2 In.
Overall Loading Height
- Top of Flare: 63-1/2 In.
Overall Height with Hydraulic Endgate: 67 In.
Diameter of Beater: 29 In.
Upper Beater: Optional
Weight with Tires: 5220 lbs.
Capacity - Old Rating: 430
Capacity Cubic Foot Struck Level: 275
Rear Hydraulic End Gate: Standard
Semi Liquid Rear Pan: Optional

PTO Speed: 540, 1000 RPM Optional
Swing Away Jack: Standard
Drive: 2 Speed
Variable Speed Hydraulic Drive: Optional
Front Splash Panel: Standard
Hydraulic Cylinder on
Hydraulic Endgate: Two
Warranty: 1st Year Parts and Labor
Lifetime Warranty:
Bonded Polyethylene Floor and Sides
10-Year Warranty: Plywood (Against Rot) with normal
agricultural manure

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0825XF		MS1243 - 430 Bushel Chain Unloading Manure Spreader <i>Top Beater, Hydraulic Endgate, and Rear Pan are standard.</i>	32,563.00
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APRON DRIVE

2000		Two Speed PTO Driven Apron	In Base Price
2020		Variable Speed Hydraulic Apron	No Added Cost

APRON CONTROLS

2040		Two Speed PTO Rope Control	In Base Price
2050		Electric Variable Speed Apron Control	540.00
2055		Manual Variable Speed Apron Control	No Added Cost

REAR PAN

4000		Rear Pan	In Base Price
4020		No Rear Pan	-565.00

HYDRAULIC HOSE HOOK-UP

2110		Standard Hose Hook-up	In Base Price
2105		2 Hose Hook-up <i>One SCV required, Tailgate and apron both controlled with one SCV. There is a sequence valve.</i>	2,048.00

FRONTIER PRODUCTS
Livestock & Equine Management

MS1243 - 430 Bushel Chain Unloading Manure Spreader
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
2125		HYDRAULIC HOSE HOOK-UP ...Continued... 4 Hose Hook-up <i>Two SCV's required, One SCV will control the tailgate and One SCV will control the apron.</i>	1,734.00
POWER TAKE-OFF (PTO)			
5012		540 RPM PTO	In Base Price
5011		1000 RPM PTO 1 3/8"	567.00
OPERATOR'S MANUAL AND DECALS			
9200		French Operators Manual and Decals	No Added Cost
ATTACHMENTS FOR FIELD CONVERSION			
Miscellaneous			
5HPMSOEC		Electric Variable Speed Hydraulic Apron Control	583.20
5HPMSO310HD4		Four Hose Hook-Up (MS1231, MS1237, & MS1243)	1,872.72
5HP608FK1243		French Operators Manual and Decals (MS1243)	45.92
5HPMSOPAN310		Rear Pan (MS1231, MS1237, & MS1243)	610.20
5HPMSO310HD2		Two Hose Hook-Up (MS1231, MS1237, & MS1243)	2,211.84

FRONTIER PRODUCTS
Livestock & Equine Management

MS1256 - 560 Bushel Chain Unloading Manure Spreader
Equipment for Base Machine

Minimum Tractor Weight: 20,282 lbs.
Top of Flare Width: 89-1/2 In.
Inside Width: 80 In.
Inside Length: 17 Ft. 5 In.
Inside Depth: 36 In.
Overall Width with Standard Tires: 130 In.
Spindle Size: 3 In.
Overall Length: 26 Ft. 10 In.
Overall Loading Height
- Top of Flare: 60 In.
Overall Height with Hydraulic Endgate: 75 In.
Diameter of Beater: 29 In.
Upper Beater: Standard
Weight with Tires: 8140 lbs.
Capacity - Old Rating: 560
Capacity Cubic Foot Struck Level: 353
Rear Hydraulic End Gate: Standard
Semi Liquid Rear Pan: Optional

PTO Speed: 1000 RPM Optional
Swing Away Jack: Standard
Drive: Hydraulic
Variable Speed Hydraulic Drive: Optional
Front Splash Panel: Standard
Hydraulic Cylinder on
Hydraulic Endgate: Two
Warranty: 1st Year Parts and Labor
Lifetime Warranty:
Bonded Polyethylene Floor and Sides
10-Year Warranty: Plywood (Against Rot) with normal
agricultural manure

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0826XF		MS1256 - 560 Bushel Chain Unloading Manure Spreader <i>Top Beater, Hydraulic Endgate, and Rear Pan are standard. Includes 1 3/8" 1000 RPM PTO</i>	48,078.00
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REAR PAN

4000		Rear Pan	In Base Price
4020		No Rear Pan	-884.00

TIRES

3002		Standard 425 X 22.5 Tires	In Base Price
3003		High Flotation 600/50 X 22.5 Tires in lieu of Standard 425 X 22.5 Tires	10,214.00

OPERATOR'S MANUAL AND DECALS

9200		French Operators Manual and Decals	No Added Cost
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ATTACHMENTS FOR FIELD CONVERSION

Miscellaneous		
5HP608FK1256	French Operators Manual and Decals (MS1256)	54.88
5HPMSO3G	Rear Pan	918.00

FRONTIER PRODUCTS
Livestock & Equine Management

MS1256 - 560 Bushel Chain Unloading Manure Spreader
Continued

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FRONTIER PRODUCTS
Livestock & Equine Management

MS1266 - 660 Bushel Chain Unloading Manure Spreader
Equipment for Base Machine

Minimum Tractor Weight: 26,687 lbs.
Top of Flare Width: 89.5 In.
Inside Width: 82 In., 2083 mm
Inside Length: 17 Ft. 5 In.
Inside Depth: 49 In.
Overall Width with Standard Tires:
135-1/2 In.
Spindle Size: 3 In.
Overall Length: 25 Ft. 11 In., 7.9 mm
Overall Loading Height -
Top of Flare: 73 In.
Overall Height with Hydraulic Endgate: 96 In.
Diameter of Beater: 25-1/2 In., 648 mm
Upper Beater: Standard
Weight with Tires: 11,128 lbs.
Capacity - Old Rating: 660
Capacity Cubic Foot Struck Level: 442
Rear Hydraulic End Gate: Standard

Semi Liquid Rear Pan: Optional
PTO Speed: 1000 RPM Optional
Swing Away Jack: Standard
Drive: Variable Speed Hydraulic Drive
Variable Speed Hydraulic Drive: Standard
Front Splash Panel: Standard
Hydraulic Cylinder on Hydraulic Endgate: 2
Warranty: 1st Year Parts and Labor
Lifetime Warranty:
Bonded Polyethylene Floor and Sides
10-Year Warranty: Plywood (Against Rot) with normal
agricultural manure

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0827XF		MS1266 - 660 Bushel Chain Unloading Manure Spreader <i>Top Beater, Hydraulic Endgate, and Rear Pan are standard.</i> <i>Includes 1 3/8" 1000 RPM PTO</i>	54,887.00
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REAR PAN

4000		Rear Pan	In Base Price
4020		No Rear Pan	-884.00

TIRES

3002		Standard 425 X 22.5 Tires	In Base Price
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OPERATOR'S MANUAL AND DECALS

9200		French Operators Manual and Decals	No Added Cost
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ATTACHMENTS FOR FIELD CONVERSION

Miscellaneous		
5HP608FK1266	French Operators Manual and Decals (MS1266)	54.88
5HPMSO3G	Rear Pan	918.00

FRONTIER PRODUCTS
Livestock & Equine Management

MS1266 - 660 Bushel Chain Unloading Manure Spreader
Continued

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FRONTIER PRODUCTS
Livestock & Equine Management

MS1442 - 425 Bushel Hydraulic Push Manure Spreader
Equipment for Base Machine

Capacity Bushels Heaped: 425
Capacity Cubic Foot Struck Level: 270
Inside Width: 7 Ft. 2 In.
Inside Depth: 34 In.
Inside Length: 16 Ft.
Overall Width: 10 Ft. 2 In.
Overall Length:
Horizontal Beaters - 26 Ft. 5 In.
Vertical Beaters - 27 Ft. 5 In.
Overall Height:
Horizontal Beaters - 74-3/4 In.
Vertical Beaters - N/A
Loading Height: 61-1/4 In.
Height - Top of End Gate: 65 In.
Axle Type: Tandem
Spindle Size: 3 In.
Tire Size:
425 x 22.5 Used Truck Tires
Hub Type: 8 Bolt Greaseable
Standard PTO: Choice
Push Gate Cylinders:
(2) Piggy Back - 3-1/2 In. x 90 In.
Cylinders on Hydraulic End Gate:
(2) - 2 In. x 20 In.
Vertical Beater Diameter: (2) 34 In.
Lower Beater Diameter: 29 In.

Number of Paddles on Lower Beater: 12
Lower Beater Speed: 360 RPM
Lower Beater Drive Chain: #80
Top Beater Diameter: 20 In.
Number of Paddles on Top Beater: 16
Top Beater Speed: 300 RPM
Top Beater Drive Chain: #60
Replaceable Beaters: Yes
Clean out Trip
Horizontal Beaters - Optional
Vertical Beaters - Standard
Approximate Loaded Weight:
24,800 lbs.
Approximate Tongue Weight Loaded:
2,802 lbs.
Minimal Tractor Weight:
16,534 lbs.
Weight: 7,700 lbs.
Side Rail Protection: Wood
Set-Up Time: 45 Minutes

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0841XF		MS1442 - 425 Bushel Hydraulic Push Manure Spreader <i>Includes standard transport lights.</i>	38,420.00
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POWER TAKE-OFF (PTO)

5012		540 RPM PTO Overrunning/Torque Limiting Clutch	1,606.00
5011		1000 RPM PTO 1 3/8" Shearbolt	876.00
5017		1000 RPM PTO 1 3/8" Overrunning/Torque Limiting Clutch	1,845.00
5015		1000 RPM PTO 1 3/4" Shearbolt	876.00
5016		1000 RPM PTO 1 3/4" Overrunning/Torque Limiting Clutch	1,845.00

TIRES

3020		19L x 16.1 Flotation Tire	2,212.00
3002		Standard 425 X 22.5 Tires	In Base Price

BEATER TYPE

1100		Horizontal Beaters	In Base Price
1120		Vertical Beaters <i>Must be ordered with option 4095, less rear pan.</i>	11,171.00

FRONTIER PRODUCTS
Livestock & Equine Management

MS1442 - 425 Bushel Hydraulic Push Manure Spreader
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
BEATER TYPE ...Continued...			
REAR PAN			
4020		Horizontal Beater Rear Pan <i>NOT compatible with vertical beaters.</i>	1,000.00
4095		Less Rear Pan <i>Must be ordered with option 1120, vertical beaters.</i>	In Base Price
DESTINATION			
0202		UNITED STATES	No Added Cost
0184		CANADA	No Added Cost
0205		QUEBEC, CANADA	No Added Cost
OPERATOR'S MANUAL AND DECALS			
0409		MS1442/MS1455 ENGLISH OM/DECAL KIT	No Added Cost
0413		MS1442/MS1445 FRENCH OM/DECAL KIT	No Added Cost
OPERATOR'S MANUAL AND DECALS			
9201		French Operators Manual and Decals (MS14 Series with Horizontal Beaters)	No Added Cost
9200		French Operators Manual and Decals (MS14 Series with Vertical Beaters)	No Added Cost
ATTACHMENTS FOR FIELD CONVERSION			
Miscellaneous			
5HP608FK1442		French Operators Manual and Decals (MS1442 with Horizontal Beaters)	59.36
HP608FK1442V		French Operators Manual and Decals (MS1442 with Vertical Beaters)	61.60
5HPMSHPOPAN		Horizontal Beater Rear Pan <i>NOT compatible with vertical beaters.</i>	1,162.08

FRONTIER PRODUCTS
Livestock & Equine Management

MS1455 - 550 Bushel Hydraulic Push Manure Spreader
Equipment for Base Machine

Capacity Bushels Heaped: 550
Capacity Cubic Foot Struck Level: 430
Inside Width: 72 In.
Inside Depth: 53 In.
Inside Length: 16 Ft.
Overall Width: 10 Ft. 2 In.
Overall Length:
Horizontal Beaters - 26 Ft. 5 In.
Vertical Beaters - 27 Ft. 5 In.
Overall Height:
Horizontal Beaters - 86-3/4 In.
Vertical Beaters - 121-1/2 In.
Loading Height: 81 In.
Height - Top of End Gate: 85-1/2 In.
Axle Type: Tandem
Spindle Size: 3 In.
Tire Size:
425 x 22.5 Used Truck Tires
Hub Type: 10 Bolt Greaseable
Standard PTO: Choice
Push Gate Cylinders:
(2) Piggy Back - 4-1/2 In. x 90 In.
Cylinders on Hydraulic End Gate:
(2) - 2 In. x 20 In.
Vertical Beater Diameter: (2) 34 In.
Lower Beater Diameter: 29 In.

Number of Paddles on Lower Beater: 12
Lower Beater Speed: 360 RPM
Lower Beater Drive Chain: #80
Top Beater Diameter: 29 In.
Number of Paddles on Top Beater: 12
Top Beater Speed: 360 RPM
Top Beater Drive Chain: #80
Replaceable Beaters: Yes
Clean out Trip
Horizontal Beaters - Optional
Vertical Beaters - Standard
Approximate Loaded Weight:
32,429 lbs.
Approximate Tongue Weight Loaded:
4,160 lbs.
Minimal Tractor Weight:
21,620 lbs.
Weight: 9,680 lbs.
Side Rail Protection: Wood
Set-Up Time: 45 Minutes

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0842XF		MS1455 - 550 Bushel Hydraulic Push Manure Spreader <i>Includes standard transport lights.</i>	50,620.00
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POWER TAKE-OFF (PTO)

5011		1000 RPM PTO 1 3/8" Shearbolt	876.00
5017		1000 RPM PTO 1 3/8" Overrunning/Torque Limiting Clutch	1,845.00
5015		1000 RPM PTO 1 3/4" Shearbolt	876.00
5016		1000 RPM PTO 1 3/4" Overrunning/Torque Limiting Clutch	1,845.00

TIRES

3002		Standard 425 X 22.5 Tires	In Base Price
3003		High Flotation 600/50 X 22.5 Tires in lieu of Standard 425 X 22.5 Tires	9,544.00

BEATER TYPE

1100		Horizontal Beaters	In Base Price
1120		Vertical Beaters <i>Must be ordered with option 4095, less rear pan.</i>	12,450.00

FRONTIER PRODUCTS
Livestock & Equine Management

MS1455 - 550 Bushel Hydraulic Push Manure Spreader
Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
REAR PAN			
4020		Horizontal Beater Rear Pan <i>NOT compatible with vertical beaters.</i>	1,000.00
4095		Less Rear Pan <i>Must be ordered with option 1120, vertical beaters.</i>	In Base Price
DESTINATION			
0202		UNITED STATES	No Added Cost
0184		CANADA	No Added Cost
0205		QUEBEC, CANADA	No Added Cost
OPERATOR'S MANUAL AND DECALS			
0409		MS1442/MS1455 ENGLISH OM/DECAL KIT	No Added Cost
0413		MS1442/MS1445 FRENCH OM/DECAL KIT	No Added Cost
OPERATOR'S MANUAL AND DECALS			
9201		French Operators Manual and Decals (MS14 Series with Horizontal Beaters)	No Added Cost
9200		French Operators Manual and Decals (MS14 Series with Vertical Beaters)	No Added Cost
ATTACHMENTS FOR FIELD CONVERSION			
Miscellaneous			
5HP608FK1455		French Operators Manual and Decals (MS1455 with Horizontal Beaters)	61.60
HP608FK1455V		French Operators Manual and Decals (MS1455 with Vertical Beaters)	62.72
5HPMSHPOPAN		Horizontal Beater Rear Pan <i>NOT compatible with vertical beaters.</i>	1,162.08

FRONTIER PRODUCTS

MS2320 -2000 Gallon Side Discharge Manure Spreader
Equipment for Base Machine

Minimum Tractor Weight: 15,693 lbs.
Top of Flare Width: 76 In.
Inside Width: 76 In.
Inside Length: 16 Ft. 0 In.
Inside Depth: 50.5 In.
Overall Width with Standard Tires: 85 In.
Spindle Size: 2.5 In.
Overall Length: 22 Ft. 8 In.
Overall Loading Height
- Top of Flare: 69 In.
Overall Height @ Front Splash: 76 In.
Diameter of Expeller: 18.5 In.
Upper Beater: N/A
Weight with Tires: 6860 lbs.
Capacity - Old Rating: N/A
Capacity Cubic Foot Struck Level: 269
Rear Hydraulic End Gate: N/A

Semi Liquid Rear Pan: N/A
PTO Speed: 540 RPM
Optional Speed: 1000 RPM (1-3/8")
Swing Away Jack: Standard
Drive: N/A
Variable Speed Hydraulic Drive: N/A
Front Splash Panel: Standard
Hydraulic Cylinder on
Hydraulic Endgate: N/A
Warranty: 1st Year Parts and Labor

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0810XF		MS2320 -2000 Gallon Side Discharge Manure Spreader	40,921.00
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AXLES

1040		STANDARD AXLE	In Base Price
1041		STRAIGHT AXLE (MS2320) <i>INCREASES GROUND CLEARANCE AND LOADING HEIGHT</i>	No Added Cost
1042		DROP AXLE (MS2320) <i>DECREASES GROUND CLEARANCE AND LOADING HEIGHT</i>	No Added Cost

TIRES

3060		295R X 22.5 RECAP TIRE - TUBELESS (MS2320)	2,102.00
300S		16.5 X 16.1-10 PLY TIRE (MS2320, MS2326)	3,898.00

POWER TAKE-OFF (PTO)

5012		540 RPM PTO with Overrunning/Torque Limiting Clutch	In Base Price
5017		1000 RPM PTO 1 3/8" with Overrunning/Torque Limiting Clutch	1,040.00

MONITOR

8191		DIGI-STAR 5-POINT SCALE <i>MONITOR SOLD SEPARATELY.</i>	3,684.00
8193		DIGI-STAR GT400 MONITOR	1,086.00
8194		DIGI-STAR NT460 MONITOR/GPS	2,982.00
8195		DIGI-STAR AUTO START/STOP	3,369.00

FRONTIER PRODUCTS

MS2320 -2000 Gallon Side Discharge Manure Spreader

Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
		MONITOR ...Continued... <i>COMPATIBLE WITH NT460 MONITOR ONLY.</i>	
		OPERATOR'S MANUAL AND DECALS	
903S		French Operators Manual and Decal Kit	No Added Cost
		ATTACHMENTS FOR FIELD CONVERSION	
		Miscellaneous	
5HP2320FKMS		French Operators Manual and Decals (MS2320)	60.48

FRONTIER PRODUCTS

MS2326 -2600 Gallon Side Discharge Manure Spreader
Equipment for Base Machine

Minimum Tractor Weight: 19,709 lbs.
Top of Flare Width: 87 In.
Inside Width: 87 In.
Inside Length: 16 Ft. 0 In.
Inside Depth: 58.5 In.
Overall Width with Standard Tires: 103 In.
Spindle Size: 3.0 In.
Overall Length: 22 Ft. 8 In.
Overall Loading Height
- Top of Flare: 81 In.
Overall Height @ Front Splash: 88 In.
Diameter of Expeller: 18.5 In.
Upper Beater: N/A
Weight with Tires: 7880 lbs.
Capacity - Old Rating: N/A
Capacity Cubic Foot Struck Level: 347

Rear Hydraulic End Gate: N/A
Semi Liquid Rear Pan: N/A
PTO Speed: 540 RPM
Swing Away Jack: Standard
Drive: N/A
Variable Speed Hydraulic Drive: N/A
Front Splash Panel: Standard
Hydraulic Cylinder on
Hydraulic Endgate: N/A
Warranty: 1st Year Parts and Labor

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0811XF		MS2326 -2600 Gallon Side Discharge Manure Spreader	44,034.00
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AXLES

1040		STANDARD AXLE	In Base Price
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TIRES

300S		16.5 X 16.1-10 PLY TIRE (MS2320, MS2326)	3,898.00
3071		425L X 22.5 USED TRUCK TIRE (MS2326)	2,358.00
300T		19L X 16.1-10 PLY TIRE (MS2326)	4,327.00

POWER TAKE-OFF (PTO)

5012		540 RPM PTO with Overrunning/Torque Limiting Clutch	-924.00
5017		1000 RPM PTO 1 3/8" with Overrunning/Torque Limiting Clutch	In Base Price

MONITOR

8191		DIGI-STAR 5-POINT SCALE <i>MONITOR SOLD SEPARATELY.</i>	4,518.00
8193		DIGI-STAR GT400 MONITOR	1,086.00
8194		DIGI-STAR NT460 MONITOR/GPS	2,982.00
8195		DIGI-STAR AUTO START/STOP <i>COMPATIBLE WITH NT460 MONITOR ONLY.</i>	3,369.00

OPERATOR'S MANUAL AND DECALS

903S		French Operators Manual and Decal Kit	No Added Cost
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FRONTIER PRODUCTS

MS2326 -2600 Gallon Side Discharge Manure Spreader

Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
OPERATOR'S MANUAL AND DECALS ...Continued...			
ATTACHMENTS FOR FIELD CONVERSION			
Miscellaneous			
5HP2326FKMS		French Operators Manual and Decals (MS2326)	60.48

FRONTIER PRODUCTS

MS2334 - 3400 Gallon Side Discharge Manure Spreader
Equipment for Base Machine

Minimum Tractor Weight: 26,197 lbs.
Top of Flare Width: 97 In.
Inside Width: 97 In.
Inside Length: 16 Ft. 0 In.
Inside Depth: 65.5 In.
Overall Width with Standard Tires: 112 In.
Spindle Size: 3.375 In.
Optional Spindle Size: 4.50 In.
Overall Length: 23 Ft. 7 In.
Overall Loading Height
- Top of Flare: 93 In.
Overall Height @ Front Splash: 101 In.
Diameter of Expeller: 18.5 In.
Upper Beater: N/A
Weight with Tires: 10940 lbs.
Capacity - Old Rating: N/A
Capacity Cubic Foot Struck Level: 451

Rear Hydraulic End Gate: N/A
Semi Liquid Rear Pan: N/A
PTO Speed: 1000 RPM (1-3/8")
Swing Away Jack: Standard
Drive: N/A
Variable Speed Hydraulic Drive: N/A
Front Splash Panel: Standard
Hydraulic Cylinder on
Hydraulic Endgate: N/A
Warranty: 1st Year Parts and Labor

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
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Select One Code From Each Required Category

BASE MACHINE

0812XF		MS2334 - 3400 Gallon Side Discharge Manure Spreader	59,072.00
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AXLES

1040		STANDARD AXLE	In Base Price
1043		HEAVY DUTY DROP STYLE TANDEM AXLE (MS2334)	3,445.00

TIRES

3072		425L X 22.5 USED TRUCK TIRE (MS2334) <i>CAN'T BE USED WITH OPTIONAL TANDEM AXLE.</i>	2,889.00
3073		21.5L X 16.1 - 18 PLY TIRE TITAN (MS2334) <i>CAN'T BE USED WITH OPTIONAL TANDEM AXLE.</i>	7,065.00
3074		49X 19X 20 RECAPPED 30 PLY AIRCRAFT TIRE (MS2334) <i>TIRE PACKAGE FOR OPTIONAL TANDEM AXLE ONLY</i>	7,989.00
3000		700/50 X 22.5 FLOTATION IMPLEMENT TIRE (MS2334) <i>TIRE PACKAGE FOR OPTIONAL TANDEM AXLE ONLY</i>	13,316.00

POWER TAKE-OFF (PTO)

5017		1000 RPM PTO 1 3/8" with Overrunning/Torque Limiting Clutch	In Base Price
5016		1000 RPM PTO 1 3/4" with Overrunning/Torque Limiting Clutch	No Added Cost

HYDRAULICS

8190		HYDRUALIC OPENING LID MS2334	13,843.00
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FRONTIER PRODUCTS

MS2334 - 3400 Gallon Side Discharge Manure Spreader

Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
MONITOR			
8191		DIGI-STAR 5-POINT SCALE <i>MONITOR SOLD SEPARATELY.</i>	5,676.00
8192		DIGI-STAR 5-POINT SCALE FOR TANDEM AXLE (MS2334 & MS2342) <i>SCALE FOR OPTIONAL TANDEM AXLE ONLY</i>	9,454.00
8193		DIGI-STAR GT400 MONITOR	1,086.00
8194		DIGI-STAR NT460 MONITOR/GPS	2,982.00
8195		DIGI-STAR AUTO START/STOP <i>COMPATIBLE WITH NT460 MONITOR ONLY.</i>	3,369.00
OPERATOR'S MANUAL AND DECALS			
903S		French Operators Manual and Decal Kit	No Added Cost
ATTACHMENTS FOR FIELD CONVERSION			
Miscellaneous			
	5HP2334FKMS	French Operators Manual and Decals (MS2334)	60.48

FRONTIER PRODUCTS

MS2342 - 4200 Gallon Side Discharge Manure Spreader
Equipment for Base Machine

Minimum Tractor Weight: 34,352 lbs.
Top of Flare Width: 97 In.
Inside Width: 97 In.
Inside Length: 20 Ft. 0 In.
Inside Depth: 65.5 In.
Overall Width with Standard Tires: 144 In.
Spindle Size: 4.50 In.
Overall Length: 27 Ft. 7 In.
Overall Loading Height
- Top of Flare: 93 In.
Overall Height @ Front Splash: 101 In.
Diameter of Expeller: 18.5 In.
Upper Beater: N/A
Weight with Tires: 16500 lbs.
Capacity - Old Rating: N/A
Capacity Cubic Foot Struck Level: 564

Rear Hydraulic End Gate: N/A
Semi Liquid Rear Pan: N/A
PTO Speed: 1000 RPM (1-3/4")
Swing Away Jack: Standard
Drive: N/A
Variable Speed Hydraulic Drive: N/A
Front Splash Panel: Standard
Hydraulic Cylinder on
Hydraulic Endgate: N/A
Warranty: 1st Year Parts and Labor

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
Select One Code From Each Required Category			
BASE MACHINE			
0813XF		MS2342 - 4200 Gallon Side Discharge Manure Spreader <i>Includes 1000 1 3/4" RPM PTO with Overrunning/Torque Limiting Clutch</i>	70,433.00
AXLES			
1040		STANDARD AXLE	In Base Price
TIRES			
300U		28L X 26-16 PLY BIAS TIRES (MS2342)	14,726.00
300V		28L x 26-16 PLY RADIAL TIRES (MS2342)	21,387.00
HYDRAULICS			
8190		HYDRUALIC OPENING LID <i>MS2342</i>	13,844.00
MONITOR			
8192		DIGI-STAR 5-POINT SCALE FOR TANDEM AXLE (MS2334 & MS2342) <i>SCALE FOR OPTIONAL TANDEM AXLE ONLY</i>	9,454.00
8193		DIGI-STAR GT400 MONITOR	1,086.00
8194		DIGI-STAR NT460 MONITOR/GPS	2,982.00
8195		DIGI-STAR AUTO START/STOP <i>COMPATIBLE WITH NT460 MONITOR ONLY.</i>	3,369.00
OPERATOR'S MANUAL AND DECALS			
903S		French Operators Manual and Decal Kit	No Added Cost

FRONTIER PRODUCTS

MS2342 - 4200 Gallon Side Discharge Manure Spreader

Continued

Code	Attachment Identifier	Description	List Price Suggested USD (\$)
OPERATOR'S MANUAL AND DECALS ...Continued...			
ATTACHMENTS FOR FIELD CONVERSION			
Miscellaneous			
5HP2342FKMS		French Operators Manual and Decals (MS2342)	60.48