

DeGelman

ENGINEERED TOUGH

BIO SPREADER 14
BIO SPREADER 20

BIO SPREADER

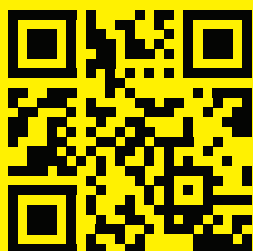
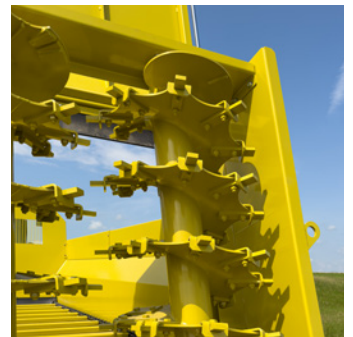


ENGINEERED FOR ANY SIZE OPERATION

The Bio Spreader 14 and 20 models bring heavy duty to the next level. Built with hardened steel to prevent sagging and deformation over extended use. The live floor has a 3/4" grade 80 chain with a higher breaking strength, and the innovative vertical beater system delivers rock-steady performance, and uniform spread.

Key Features

- Can achieve up to 50 ft wide and 100 ft long spread pattern.
- Live floor gives the option to unload all of its material in as little as 90 seconds.
- Longer hitch allows for a tighter turning radius for better maneuverability in tight spaces.
- Thicker abrasion-resistant teeth are significantly harder than regular steel so they last longer and can be easily replaced. Unique double-shear tooth retainer (patent pending).



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STEADY AS SHE GOES

Many features on the Bio Spreader line of Manure Spreaders are a direct result of customer input: lower sides for easier loading, longer hitch for a tighter turning radius, and engineered to be towed by a smaller tractor or truck, to name a few. The biggest advances are tough, thick gauge steel construction, more reinforcement, and shock absorption for key areas like beaters and gearboxes. The beater system easily detaches so you can use the wagon on its own. It can now be used in other applications such as hauling manure to the field, snow hauling and moving other organic materials. The Bio Spreader easily manages bales so you can use it to quickly spread bedding. Prototype field testing by a wide range of livestock and poultry producers, with wet and dry manure, and in extreme weather conditions, means that the Bio Spreader is setting the new gold standard in manure spreading.

Side Extensions

The Bio Spreader has an all heavy-duty design, can be simultaneously loaded by a Track Hoe and Skid Steer, and has patented reversible/replaceable teeth, a tighter turning radius for best maneuverability, and a uniform and consistent spreading pattern.



INNOVATIVE VERTICAL BEATER SYSTEM DELIVERS ROCK-STEADY PERFORMANCE, UNIFORM SPREAD, AND EASY CLEAN UP.

Detachable Versatility

Easily removable beater assembly allows you to use the trailer for hauling any organic material. It's as simple as removing 8 bolts, disconnecting the PTO shaft, and lifting off the backend.

Heavy Duty Everything

Heavier gauge steel and robust construction for more durable, trouble-free performance.

Tougher, Reversible/ Replaceable Teeth

Thicker abrasion resistant teeth are significantly harder than regular steel so they last longer and can be easily replaced.

Reinforced Beaters

A double shear spike retainer plate ensures teeth won't break off.

Versatile

Can also be used as a silage wagon and bedding spreader.

Optional Paddles Available

For use when trying to achieve a very fine spread pattern.

Handle Anything 3-in-1 Gearbox

The 3-in-1 Gearbox handles impacts from solid objects and materials.



SPECIFICATIONS

Model	Bio Spreader 14	Bio Spreader 20
Overall Length	325 in.	355 in.
Overall Height	119 in.	122 in.
Overall Width	127 in.	128 in.
Overall Inside Width	72.5 in.	72.5 in.
Hitch Height	19 in.	19 in.
Tire Capacity	550/45/22.5 (9,350 lbs each)	550/60/22.5 (13,200 lbs each)
Loading Height (w/o extension)	76 in.	79 in.
Loading Height (w/ extension)	86 in.	93 in.
Box Inside Length	197 in.	227 in.
Box Inside Height (w/o extension)	31 in.	31 in.
Box Inside Height (w/ extension)	41 in.	45 in.
Unit Weight	14,500 lbs.	15,500 lbs.
Maximum Net Load	28,000 lbs.	41,600 lbs.
Capacity Extensions		
Struck Level	320 cu ft.	415 cu ft.
Heaped	440 cu ft.	555 cu ft.
Maximum	540 cu ft.	672 cu ft.
Construction		
Floor and Sides	Steel 3/16 in.	Steel 3/16 in.
Each Axle Spindle Capacity	20,000 lbs.*	20,000 lbs.*
Hydraulic Lift End Gate	Standard	Standard
Tongue Weight -% of Gross Weight	12%	12%

*Axle Spindle Capacity Exceeds Tire Capacity

Model	Bio Spreader 14	Bio Spreader 20
Beaters		
Replaceable Paddles or Teeth	32	32
Diameter (lower paddle)	35	35
Diameter Paddle Flighting 3/8" Hardened Steel	26.5	26.5
Diameter (Spike Teeth) 3/4" Hardened Steel	32.6	32.6
Overload Protection Horizontal Beaters	PTO Shear Bolt - Beater Urethane Coupler	PTO Shear Bolt - Beater Urethane Coupler
Easily Removable Beater Assembly	Yes	Yes
Beater PTO Drive		
RPM	1000	1000
Gearbox Ratio	43.6:1	43.6:1
No. of Gearboxes	2	3
Chain Size	3/4 in. Grade 80	3/4 in. Grade 80
Chain Speed (Maximum RPM) 20 GPM	10	10
Gearbox Drive	Single Hydraulic Motor 200 cc with Pressure Re- lief Forward & Reverse	Dual Hydraulic Motors 80 cc with Pressure Re- lief Forward & Reverse
Standard Spreader Hitch	CAT 4 2" Articulating Insert with Reducer to Accommodate 1.5" Pin	CAT 4 2" Articulating Insert with Reducer to Accommodate 1.5" Pin
Horsepower Requirement	150 HP Minimum	200 HP Minimum

Bio Spreader 14: Cat 2 Hitch with No Extensions, Cat 3 Hitch with Extensions
 Bio Spreader 20: Min Cat 3 Hitch, Heavy Loads Cat 4 Hitch