

Trailer spreader for distribution of lime, fertilizers etc



Construction:

Standard version with land wheel:

Regulating the rpm of the spreading discs, which are pto-driven, regulates the spreading width. A land wheel is pressed hydraulically (tractor hydraulics) towards the trailer wheel providing the mechanical road speed related power required to operate the conveyor belt. Via a cardan axle connected to a gearbox (KB2) that regulates the conveyor belt speed and a constant flow (spreading quantity) is forced through the dosage gates of the spreader on to the chutes and the spreading discs.

Alternative 1: with worm gear:

The tractor pto operates a worm gear, which operates the spreading discs (and by regulating the rpm of the pto, the spreading width is regulated) as well as the conveyor belt – feeding the fertilizer onto the spreading discs.

Alternative 2: with hydraulic motor:

Regulating the rpm of the spreading discs, which are pto-driven, regulates the spreading width. The tractor hydraulic operates the conveyor belt – feeding the fertilizer onto the spreading disc.

Net weight standard	1400 kg
Do with 23 cm hopper extension	1500 kg
Capacity standard (even mesh)	2500 litre
Capacity with 44 cm hopper extension (even mesh)	3600 litre
Loading capacity	4 tons
Hopper width	1850 mm
Wheel size alternative 1 = Track width 1880 mm	425 / 25 X 22.5 = Total width 2405 mm
-----alternative 2 = Track width 1880 mm	500 / 65 X 15.5 = Total width 2430 mm
-----alternative 3 = Track width 1850 mm	16.9 X 30 8 PR = Total width 2320 mm
-----alternative 4	
-----alternative 5	
Hopper length / Total length	2800 mm / 5300 mm
Working-width – fertilizers (round spreading discs)	12 – 36 m
Working-width – lime / Ferlizer (rectangular spreading discs)	12 – 16 m / 12 – 24 m.
Loading height (with 500/65x15.5 wheels)	1750 mm
Do with 23 cm hopper extension	1880 mm

Standard equipment:

1. Traffic lights according to regulations
2. PTO shaft with free wheeling,
3. Spreading discs for 12 – 24 m.

Extra equipment.:

1. Hopper in stainless steel
2. Clutch for headland spreading 12-24
3. Fertilizer spreading discs 12-36 m
4. Clutch for headland spreading (fertilizer) 12-28 or 24-36 m.
5. Gearbox for reverse spreading
6. Spreading discs for reverse (wet or humid lime)
7. 23 cm. hopper extension,
8. Cover, mechanical or hydraulic foldable
9. Cover over spreading discs
10. Litre weight (for measuring density of fertilizers),
11. Late application kit,
12. Rear hitch – fork or automatic type
13. Mechanical area meter,
14. Hydraulic operated rear door
15. Weighing cells,
16. Operation by computer control.
17. Hydraulic operated headland clutch
18. Reduction gear (½ speed like KB3)
19. Weight transfer system
20. Hydraulic brakes