







Fertilizer Spreader



Fertilizer Spreader

As İrtem, we developed a new fertilizer spreader in the ALPHA series in 2019.

Currently, our new generation spreader with the options of 800 lt., 1000lt., 1200lt., 1400 lt., 1600 lt. and 2000 lt. has a working width of 10 to 24 meters depending on the fertilizer type.

Since fertilizer is one of the most important cost inputs for farmers, it is very important to apply fertilizer to the field in the most efficient and accurate way. These machines must have a very good design in order to do the process properly.

A good fertilizer spreader can amortize itself within one to three years by contributing to the yield; depending on the frequency of use. Beyond that, since the fertilizer spreader will be used for many years, the gain will continue to increase.

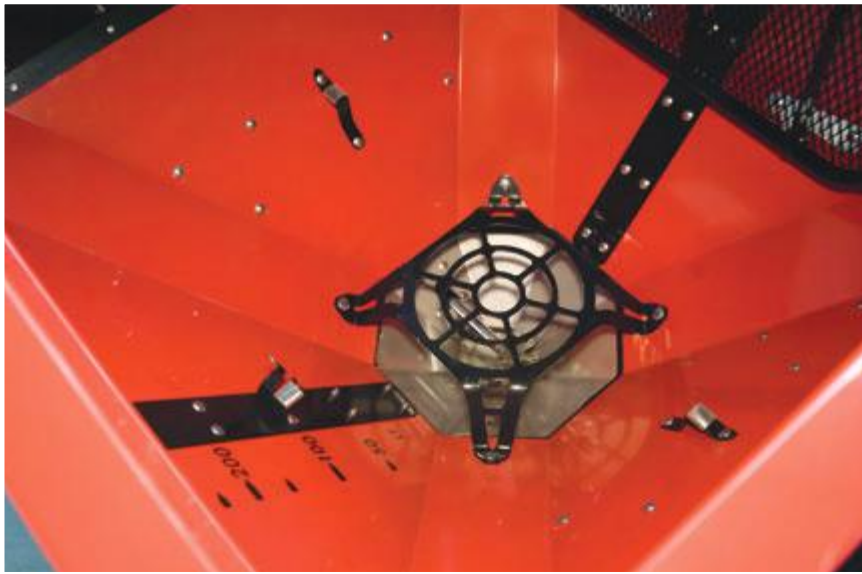


The designs and functions that make our ALPHA series product special are briefly described below. However, apart from the existing features, new features which will be added to the ALPHA fertilizer spreader in the remainder of 2020 and in 2021, can also be applied to models previously produced.

- **Limitter:** It is an optional part that directs the flow at the edges and borders of the field to prevent it from overflowing rather than completely cutting the flow.

- **Speed sensitive flow control system:** In all mechanical controlled fertilizer spreaders, the settings are made in accordance with the speed of tractor during operation. However, in field conditions, it is not always possible to maintain the speed steadily. In addition, if the work is done by people who do not have sufficient attention and experience, unwanted results may occur. We are developing system that detects the rate of real-time progress and control the amount of flow in real time, regardless of the person's abilities and attention. These systems, which are in the prototype and testing stage, will be offered to the farmers very soon.

Trailed type fertilizer spreaders, with large tank volume and 36 meters working width are also in the design phase.



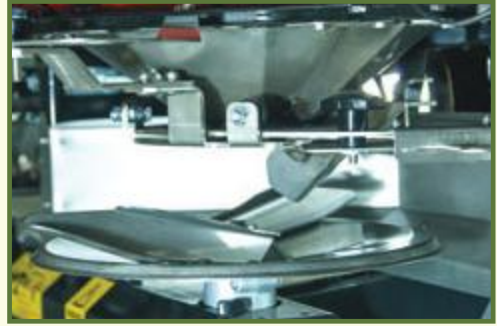
Hexagonal form tank



Stainless steel dispenser and distributor parts



Custom angled flaps



Adjustable fertilizer drop point



Precise flow setting scale



LED lighting system
(suitable for night work)



Precise flap adjustment



Stainless steel chain



Special mixing mechanism



Foldable hopper



Practical height adjustment



Calibration box

TECHNICAL SPECIFICATIONS

Specifications / Models	F 08	F 10	F 12	F 14	F 16	F 20
Tank Capacity (liter)	800	1000	1200	1400	1600	2000
Width (cm)	215					260
Height (cm)	110	120	131	142	153	160
Length (cm)	119					
Hopper Length (cm)	102					
Hopper Width (cm)	203					
Height with Canvas (mm)	130	141	152	163	174	181
Weight with Canvas (kg)	485	510	520	550	560	600
Tank Type	Conical/without welding					
Lightening	Right/left projectors					
Required Power (HP)	45	50	80	100	110	130
Spreading Amount	5 - 100 kg / da					
Speed Options (km/h)	6-8-10-12-15					
Mixer Type	Star shape, stainless steel					
Mixer Drive Type	Double acting, automatic tension, stainless chain					
Mixer rpm	0,215					
Tank Opening (°)	51					
Wing Position (both)	4 - 4					
Type of Fertilizers	Crystal/Prill/Granule/Pellet					
Screen Diameter (mm)	14 x 38					
Working Width (m)	10-12-15-18-24					
Canvas	Standard, single lever, automatic					
Calibration System	Optional					
Wings Type	4 pcs, stainless steel					
Trey Type	Conical Type, stainless steel					
Drop Point	Variable, adjustable, stainless steel					
Tank Control Windows	Standard, 2 in front and 2 rear side					
Limiter	Optional					
Mud Cover	Standard, stainless steel					
Towing Device	Optional					
GPS Control Device (speed, hectometer, automatic norm setting)	Optional					