

We "Agrional Agricultural Machinery CO.", established in the early 90's upon the worldwide demand, as the export brand of "Önallar Agricultural Machinery", our proud brand, leading manufacturer of agricultural sprayers in Türkiye domestic market. With the power we take from the 45 years of experience in agriculture sector in Türkiye domestic market, our export brand "Agrional Agricultural Machinery CO." gained a wide respected reputation in more than 50 countries worldwide in a short while. Now we are proud of our 20 golden years in export business and our highly demanded worldwide brand.

As a leading manufacturer of agricultural sprayers at a range with a capacity from 100 liters up to 3000 liters with different power generators - small units operating with electricity or gasoline engine and higher capacity units with the P.T.O. Shaft of the tractor. We also export every kind of agricultural equipment as sprayers, cultivators offset dischargers, disc plough, disc ridger, agricultural trailer, motopumps, milking machine, multi purpose thresher, rotary mower, mold board plough, seed drill, fertilizer spreader, hole diggers, grain augers all the implements have the different range.

All the products that we export are under one year warranty against manufacture faults. Therefore we are proud of serving our clients with superb quality equipment.

Please do not hesitate to contact us for further information.

[www.agrional.com](http://www.agrional.com)

WE  
EXPORT  
MORE  
THAN  
**50**  
COUNTRIES



**INSURES  
THE  
FUTURE**



**SMART PNEUMATIC  
PRECISION PLANTER  
(DISC TYPE)**



**REVOLUTION IN AGRICULTURE, SMART PLANTING**

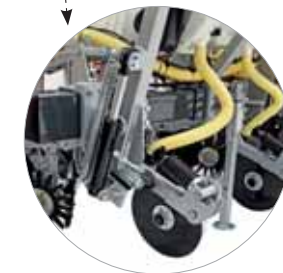
Electric motorized, electronically controlled seeding control system Smart technologies that enter every aspect of our lives are now also used in agriculture! In agriculture; cost increases, faulty sowing, inability to control sowing, power losses in mechanical systems, increasing part costs, the necessity of agricultural activities to be carried out in a certain period of time require the use of high efficiency, controllable smart technologies.

With the electric motorized, electronic sowing control system, mechanical power transmission and adjustment organs (parts) that reduce the efficiency of your sowing machine and cause sowing errors have been removed and a more efficient and simple sowing and control system has been developed.



Agrional Pneumatic Precision Seeders Agrional Pneumatic Precision Seeders allow you to plant seeds such as beet, corn, sunflower, cotton, soybean, peanut, pumpkin, watermelon, melon, cucumber, and onion at the desired spacing between rows. They are connected to the tractor using a three-point hitch system. The machines can be produced in configurations ranging from 2 to 12 rows as desired. The row spacing can be adjusted to various widths, including 45, 70, 90, and 140 cm. The minimum row spacing is 27 cm and can be precisely adjusted using the measurement values on the chassis profile. By loosening the connection bolts of the planting unit, the row spacing can be easily changed. All connections on the chassis profile are movable, which facilitates the adjustment processes. Seeding Mechanism and Precision Each seeding unit independently operates the movement of the seed discs via a 12 V brushed DC servo motor [max 1.2 Amper].

Thanks to the high vacuum fan, seeds are held firmly on the planting plate. The planting cells are made from specially alloyed aluminum die-casting, ensuring long durability. The seed discs of the planter are made of stainless steel, which enhances their durability. During planting, the discs can be easily changed according to the type of seed. Row spacing is determined by adjusting the gears in the gearbox on the machine. It is also aligned with the number of holes in the discs suitable for the type of seed. With the lever on the gearbox, the desired row spacing can be easily and quickly selected. The observation cover in the seed cell allows for selector adjustment in 12 stages, thus preventing the issue of missing or excessive seed placement. Easy Use and Versatility Thanks to the seed discharge cover found in the planting units, any remaining seeds at the end of planting can be quickly discharged, allowing for an easy transition to planting a different crop. With the adjustable spring pressure on the parallelogram system, planting can be done at the desired depth under all soil conditions. The planting depth can be precisely adjusted using the depth adjustment wheels. Alternative planting feet designed according to the structure of the seeds ensure that you achieve the best planting results. The planting feet can be chosen as either shovel feet or disc feet.



*Foldable hydraulic marker*



*Unit Depth Pressure setting*



*Clever Mak Screen with the Electric*

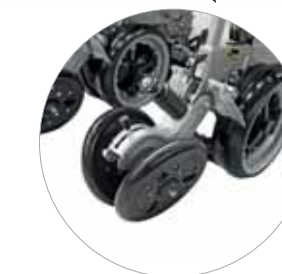


*Star shaped trash remover*

The machine can also be produced with a fertilizer system upon request. Fertilizer tanks can be manufactured in different capacities from metal or plastic materials, and the remaining fertilizer can be easily cleaned out thanks to the discharge valves. Additionally, the fertilizer spreader feet can also be of shovel or disc type. An flow control and measurement device can also be added. To facilitate the transportation of equipment with the tractor and enhance safety, telescopic or folding chassis options are also available. Both the chisel and disc foot type models have different row spacing (45-75-95 cm) and there are also sliding double chassis models that can be easily adjusted with a single control, without disconnecting the unit and fertilizer connections, using hydraulic pistons.

Model	Number of Units	Total Length (Chassis)	Width	Height	Distance Between Rows	Seed Hopper Volume	Fertilizer Hopper Volume	P.T.O. Rpm	Tractor Power	Weight (With Fertilizer System)
	Quantity	mm	mm	mm	cm	Dm <sup>3</sup>	Dm <sup>3</sup>	Rpm	Min HP	Kg
SmartPlant-4	4	2800-3200	2300	1600	45-70-75-95	35 x 4	160 x 2	540	60	1060
SmartPlant-5	5	3200	2300	1600	45-70-75	35 x 5	160 x 2	540	70	1240
SmartPlant-6	6	4000	2300	1600	45-70-75	35 x 6	200 x 2	540	80	1420
SmartPlant-8	8	5600	2300	1600	45-70-75	35 x 8	200 x 4	540	100	1950

We reserve the right to make changes and/or improvements in designs & dimensions without notice and without incurring obligation.



*"V" shaped rear roller for pressing down and closing seed beds*



*Commutator DC Motor Micro Granüle motor*



*Micro Granüle Electronic control monitors.*



*Servo DC motor without commutator*