




ESS ELECTROSTATIC GREENHOUSE SPRAYERS

Part of the powerful line of sprayers from Electrostatic Spraying Systems, Inc.

Electrostatically charged pesticide droplets are attracted to the plant. These electrical forces are **75 times stronger than gravity**. Pesticide covers all parts of the plant, including the undersides of leaves where most insects live and feed. **No other spraying system has this patented air-assisted electrostatic technology.**



J-PTO SERIES

J-1 & J-2 se unen a un tractor con un enganche de tres puntos y obtienen fuerza la toma (PTO).

J-1: Pistola pulverizadora electrostática MaxCharge y un carrete con capacidad para una manguera de hasta 250 ft.

J-2: Dos pistolas pulverizadoras electrostáticas Max Charge y dos carretes para mangueras, cada uno con capacidad de hasta 250 ft.

Especificaciones técnicas:

Presión de línea de aire:	65 psi
Medida de gotas:	40 micrón VMD
Volumen de aire:	20 CFM
Límites de pulverización:	Hasta 20 ft.
Presión de tanque:	12 – 15 psi
Porcentaje de flujos:	4 gal/hr
Tanque:	15 gal
Manguera:	Hasta 250 ft.



GPS-5K (Gasolina)

EPS-5K (Eléctrico)

Invernaderos Comerciales.

GPS-5K: 5 hp. motor de gasolina

EPS-5K: 3 hp. motor eléctrico, 220 voltios

- Pistola pulverizadora electrostática MaxCharge
- Aplicación de hasta 40,000 sq.ft. por hora
- Aplicación manual o instalada en un vehículo pequeño

Especificaciones técnicas:

Tanque:	5 gal.
Medida:	40"Hx22"Wx42"L
Peso:	230 lbs.
Presión de línea aire:	50 psi
Presión de tanque:	12 – 15 psi
Porcentaje de flujos:	4 gal/hr
Medida de gotas:	40 micron VMD
Límites de pulverización:	Hasta 25 ft.
Manguera:	Hasta 250 ft.



TRG

Conexión a una fuente ya existente de aire comprimido.

- Pistola pulverizadora electrostática MaxCharge
- Extra grande; llantas semi-neumáticas
- Tanque de acero inoxidable
- El agitador del tanque asegura la adecuada mezcla de todos los químicos

Especificaciones técnicas

Tanque:	5 gal.
Medida:	31"Hx21"Wx36"L
Peso (lleno):	120 lbs.
Presión de línea de aire:	60 – 70 psi
Presión de tanque:	10 psi
Volumen del aire:	12 CFM
Porcentaje de flujos:	4 gal/hr
Medida de gotas;	40 micron VMD
Límites de pulverización:	Hasta 25 ft.
Manguera:	Hasta 250 ft.

XT

Pequeños horticultores; diseños interiores; áreas de venta al menudeo.

- Pistola pulverizadora electrostática MaxCharge
- Compatible con todos químicos y fungicidas convencionales
- El tanque principal tiene capacidad para una hora de aplicación
- Su tanque auxiliar contiene un litro para la aplicación en sitios específicos

Especificaciones técnicas:

Tanque;	3 gal.
Medida:	42"Hx18"Wx24"L
Peso:	105 lbs.
Presión de línea de aire:	30 psi
Presión de tanque:	12 – 15 psi
Porcentaje de flujos:	2 gal/hr
Medida de gotas:	40 micron VMD
Límites de pulverización:	Hasta 12 ft.
Manguera:	50 ft.



BP-2.5 (2.5 gal)

BP-4 (4 gal)

Conexión a una fuente ya existente de aire comprimido

- MaxCharge pistola pulverizadora electrostática
- Tanque PVC con un inhibidor UV
- Correas de nylon acolchadas

Especificaciones técnicas:

Tanque:	4 o 2.5 gal.
Peso (vacío):	7 lbs.
Peso (lleno):	42 lbs (4 gal)
Volumen del aire:	8.5-10 CFM
Presión de tanque:	12 – 15 psi
Porcentaje de flujos:	4 gal/hr
Medida de gotas:	40 micron VMD
Límites de pulverización:	Hasta 25 ft.
Manguera:	100 ft.



Los productos de ESS son el resultado del esfuerzo y creatividad de muchas personas. Además de la aportación de los departamentos de ingeniería, mercadotecnia y producción, las sugerencias de los productores han sido utilizados en el diseño de nuestro equipo. ¡Nos gustaría saber de sus ideas también! Si tiene sugerencias o comentarios con relación a los productos o servicios de ESS, escríbanos o llámenos:

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FAX: 706-769-8072

Grátis: 1-800-213-0518

www.maxcharge.com



ELECTROSTATIC SPRAYING

Electrostatic Concept

ESS air-assisted electrostatic sprayers provide a much more effective use of chemicals and are proven to work extremely well in combating insects and disease while reducing waste.

The droplet size of 40 microns has been scientifically proven to maximize biological activity of pesticides as well as increase the coverage area. ESS spray droplets are electrostatically charged, making them attract to the plant. Air turbulence in the canopy assures that the spray will reach the hidden areas. The charged droplets delivered by air go deep into the inner regions of the plant and deposit on all plant surfaces, including the undersides of leaves and the back side of stems.



Hydraulic spray on leaf underside. Average count in 54 samples = 6.3 deposits in 1/8 in²



Charged air-assisted spray on leaf underside. Average count in 54 samples = 425 deposits in 1/8 in²

Low Volume – High Yield

With an ESS system, growers can typically reduce chemical usage by 30-60%. Growers can achieve excellent results from low-toxicity chemicals. ESS sprayers use less water to dispense a given amount of chemicals. You do not need to spray to runoff. Growers use from 1-3 gallons of water per 10,000 sq. feet compared to a traditional hydraulic sprayer that uses 25-75 gallons for the same area. After spraying with an ESS sprayer, plants are dry with no visible residue on leaves and no runoff.



Air-assisted electrostatically charged spray is highly attracted to and literally wraps around this rod. The force attracting the charge is 75 times that of gravity.

Coverage that Defies Gravity

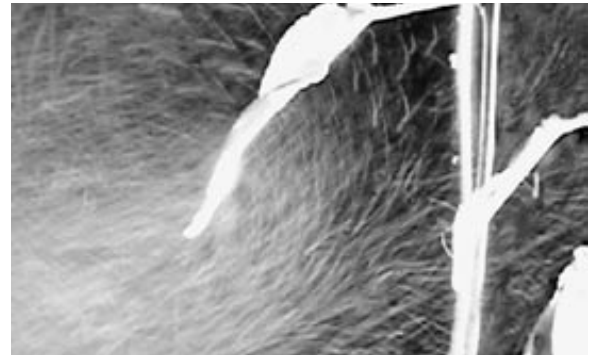
Electrostatically charged spray means that the pesticide droplets are attracted to the plant. The electrical attraction is 75 times stronger than gravity. Pesticide covers all parts of the plant including the undersides of leaves where most insects live and feed.

Growers have a powerful new weapon in their pest control arsenal. Air-assisted electrostatic sprayers significantly improve the results of less toxic, more environmentally safe chemicals. Pesticides are a necessity, but some can cause serious environ-

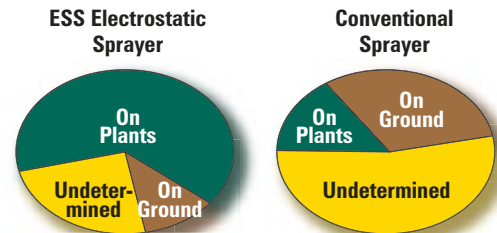
mental and worker safety problems. A large portion of the environmental impact is due to overuse and off-target movement of toxic pesticides resulting from inefficient spray application.

Greater power for weaker chemicals

Growers are now faced with reducing their dependency on highly toxic pesticide materials. There is increased pressure to reduce runoff, pesticide overuse and worker exposure. The growing number of environmentally safe pesticide compounds available to growers are often weaker and very expensive.



Air-assisted electrostatically charged spray defies gravity and wraps around leaves and stems, places that chemicals dispensed from hydraulic sprayers will never reach.



Where do you choose to put your chemicals?

Air-atomizing electrostatic sprayers make environmentally "soft" pesticides economically feasible by overcoming the deficiencies of conventional sprayers. Air-delivery greatly reduces drifting and increases spray penetration. Turbulence within the plant canopy helps the spray reach hidden areas. Electrostatic charging increases spray distribution for better insect and disease control while reducing waste and the amount of chemicals being used.

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