Spectrum 3010
Sprays - where it should.

Converts motorized backpack/knapsack mistblowers to electrostatic operation.

No other technology provides advantages which electrostatics and mistblowers accomplish together... increased control, reduced environmental contamination, and reduced application costs.

APPLICATIONS
Vector Control
Remote Areas inaccessible with larger motorized equipment
Agricultural crops
Nurseries
Greenhouses
Livestock operations

The 3010 helps users solve some of the most significant problems in spraying, using patented electrostatic and airshear technologies. The 3010 causes more of the spray droplets applied by knapsacks to deposit where they should - onto target surfaces. Studies published in the JOURNAL OF THE AMERICAN MOSQUITO CONTROL ASSOCIATION show the Spectrum 3010 provided 100% greater deposition on target surfaces and significantly higher mosquito mortality rates.

**HOW IT OPERATES**

- The Electrostatic Power Supply is engineered to derive initial power from the knapsack spark plug to provide continuous charging, and avoid any need for an external battery.
- A High Velocity Air stream and Airshear Nozzle produce uniform, mist-size droplets (70-90 microns).
- The high velocity airstream carries the droplet deep into plant canopies or to distant targets.
- The Electrostatic Induction System gives all the droplets a positive electrical charge. Since all the droplets possess the same charge - they repel one another. This maintains droplet size and expands the mist.

- The mist's positive charge induces an opposite, negative, charge on the surfaces of the target.
- Attractive Electrostatic Forces (commonly known as the "attraction of opposites") pull and adhere the droplets more uniformly onto all the target's surfaces, including those facing away from the direction of spraying, e.g. the undersides of leaves, backsides of fruits.
- The 3010 is designed and engineered for simplicity to solve practical problems. It is simple to install, operate, and maintain. The wide orifice of the airshear nozzle is virtually clog-free. There are no moving parts to wear out or handle during spraying. The electrostatic and airshear components are continuous-running, activated and de-activated simply by starting and stopping the knapsack mistblower engine.

For more Information on Spectrum 3010, contact authorized company

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Spectrum 3010 is made in India
Spectrum 3010 is a product of Spectrum Electrostatic Sprayers (SES) Inc., USA.
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