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Science and technology have combined their efforts to assist farmers in harvesting and caring for their coffee product. Electrostatic Spraying Systems, Inc., manufacturers of a wide range of air assisted sprayers, created this improved method of spraying coffee for farmers that live within an environment with high levels of pests and diseases. Traditional sprayers partially cover the leaf, forcing the farmer to distribute the product abundantly and without any drastic effects. With this new innovation the drops are of a negative charge, allowing for each individual droplet to repel from each other, while maintaining an attraction with the positive charged leaves and bushes. The electrostatic sprayer has better control over the destruction of fungal and disease problems, that tend to withstand other conventional sprayers. Farmers can then decrease the amount of chemicals applied by up to 40%, and still acquire the necessary overall application. The J-PTO, GPS-5K and the XT units contain the same technology and beneficial effects as the larger sprayers.

Electrostatic Spraying Systems, Inc., 62 Morrison Street, Watkinsville, Georgia 30677.
Tel: (1) (706) 769-0025, Fax: (1) (706) 769-8072, Web: www.maxcharge.com.

[ILLUSTRATION OMITTED]