

The following is real letter from one our valued customers:

“ We have found that our ESS orchard sprayer is one of the most important pieces of equipment on our farm. After viewing some of the online videos of a similar ESS sprayer used on a banana plantation, we asked ESS to make a few changes. They upgraded the tank to 150 gal. and moved one of the spray nozzles down to the lowest adjustable arms. We skirt our trees up to 30” from the ground, allowing the lower adjustable arms to spray right into the center of the canopy from the ground up. We have found this configuration allows us to cover 7-10 acres/tank depending on application rates and ground speed(2.0mph).

We bought the sprayer to help us battle the asian citrus psyllis that vectors “greening bacterium.” We spray at night, usually after 9 PM when the sea and land breezes settle down to less than 2.0 mph. We are located less than 30 miles west of the Atlantic coast here in north central Florida. We installed a light bar at the rear of the tractor so we could see what we were doing during tank refill. What a surprise, the whole sprayer and area in front of the light bar was covered with dead insects. It seems that we were attracting all the insects to their demise. Consequently, we installed 4 additional dual light bars looking toward the front of the tractor .

Before we found ESS we were using a modified mosquito fogger. We worked hard to try and make it work but canopy penetration was not acceptable and droplet size was too big. When we first ran the ESS sprayer in our orange grove without the electrostatic charge turned on, the amount of mist produced was 10 times that of our old fogger and when my operator turned on the “Charge” switch all the mist went to the tree canopy like a magnet—very impressive. Canopy penetration was just what we were looking for. That little demonstration sold me on the sprayer’s potential.

Over the past 2.5 seasons the ESS Sprayer has revealed even more potential. We grow organic citrus for the fresh market. In our spray program, we spray from 15 Jan thru 15 Oct every 15 to 21 days in an attempt to break the life cycle of our insect pest. Consequently, over the past two seasons we have increased our pack-out rate by 15 and 20% respectfully. That keeps us smiling all the way to the bank. We also use the sprayer for very effective foliar nutritional sprays. Particularly with pre- and post-bloom application of Solubor (Boron) in addition to water soluble trace/micronutrients including sea solids.

I can honestly say that the ESS Orchard Sprayer is one of the best investments we have ever made. It is keeping us very profitable. I only wish I had caught up with the team at ESS 10 years ago. I would be a lot more dollars ahead in my farming operation. I have found ESS very innovative and always willing to listen to the grower and offer equipment options tailored to the growers needs. Hope I have been helpful. ”

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