

Air-O-Fan's diesel series of engine driven sprayers are offered in 500, 600, and 1,000 gallon tanks with an indented tank option for narrow applications. We use the John Deere 6068HFC08 (173hp & 225hp) & 6068HFC09 (300hp) final tier 4 engines & the Cummins QSB6.7T4F 173hp, 225hp, & 300hp MPU final tier 4 engines in the United States. Outside of the United States the John Deere 6068HF285 173hp, 6068HF485 225hp, & 6090HF485 325hp tier 3 engines are still available! The Air-O-Fan engine drive sprayer has been proven tried and true to be the most reliable, best performing, most compact engine drive sprayer on the market today! We appreciate the opportunity to show you our quality line up of products!

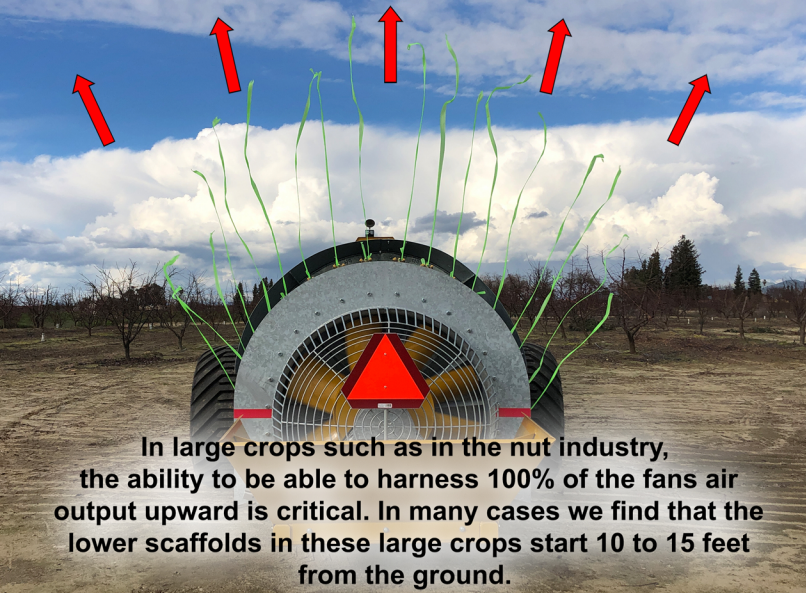


**Standard Features:** Adjustable single lip hitch, heavy gauge 304 stainless steel tanks, John Deere & Cummins engines, Twin Disc clutches w/Air-O-Fan exterior engagement system, Myer 2-stage centrifugal pumps w/manual priming system, 1" stainless steel KZ Co. 1,200 PSI rated electric valves, manual tank mixing bypass valve w/Air-O-Fan easy access port in cowling door, large 15" deep high flow tank basket, HD hubs and spindles on an adjustable spindle plate for leveling to your tractor, Alliance 550/45-22.5 high flotation treaded tires with inner beadlock rims for low tire pressure applications, Air-O-Fan manufactured **steel** axial flow fans in both dual fan and single reverse fan configurations, composite nylon adjustable air vanes, & our unmatched after the sale support!

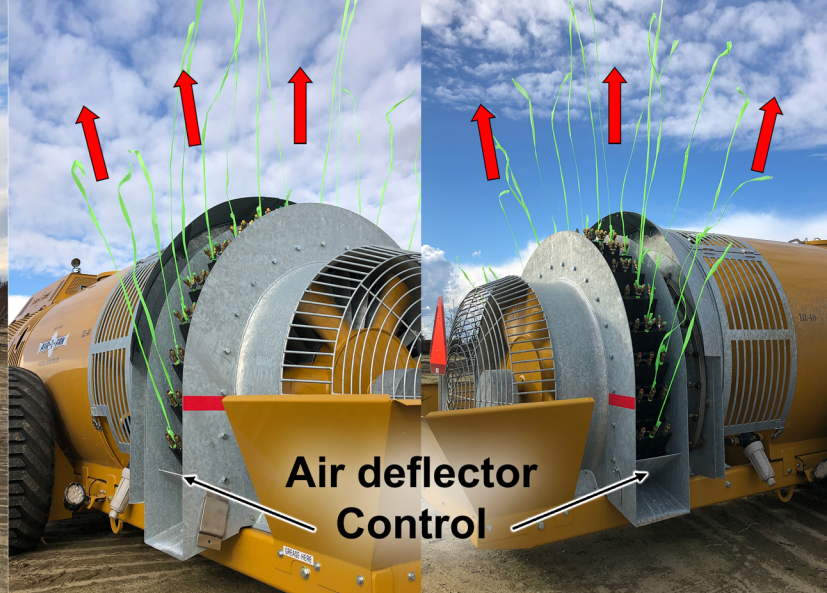




# Air Control / Spray Coverage

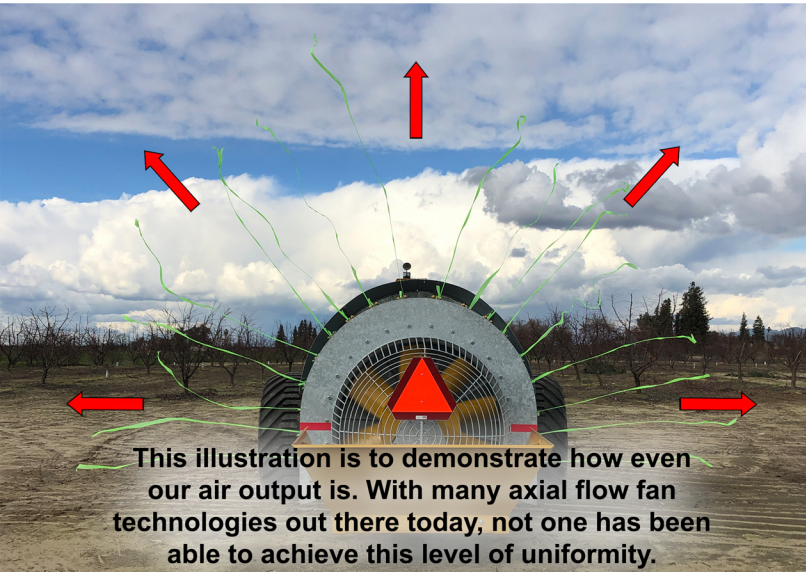


In large crops such as in the nut industry, the ability to be able to harness 100% of the fans air output upward is critical. In many cases we find that the lower scaffolds in these large crops start 10 to 15 feet from the ground.

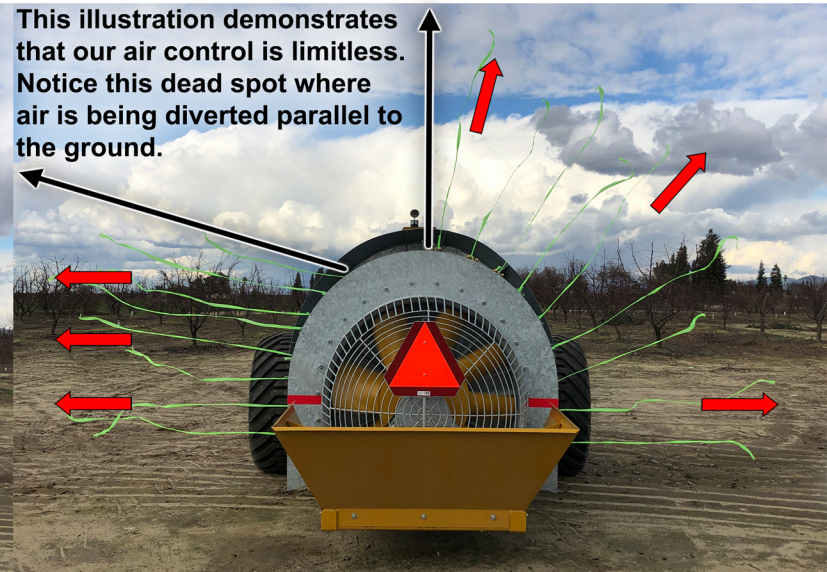


**Air deflector Control**

Air performance is king, step one is to produce high air speed in combination with high air volume and no dead spots! Next is dual fan air turbulence, this factor is what creates abrupt movement within the tree canopy and in-turn 3 dimensional coverage characteristics. Third is air control, there are many designs at work here but the obvious one is our air vane! With this design you will be able drive targeted chemical to where it is intended while limiting spray drift, you simply adjust our machinery by hand to your desired canopy!

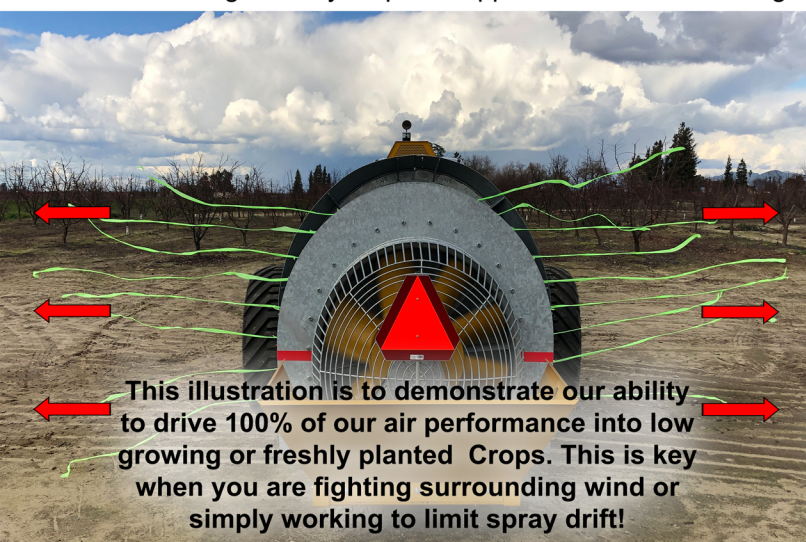


This illustration is to demonstrate how even our air output is. With many axial flow fan technologies out there today, not one has been able to achieve this level of uniformity.

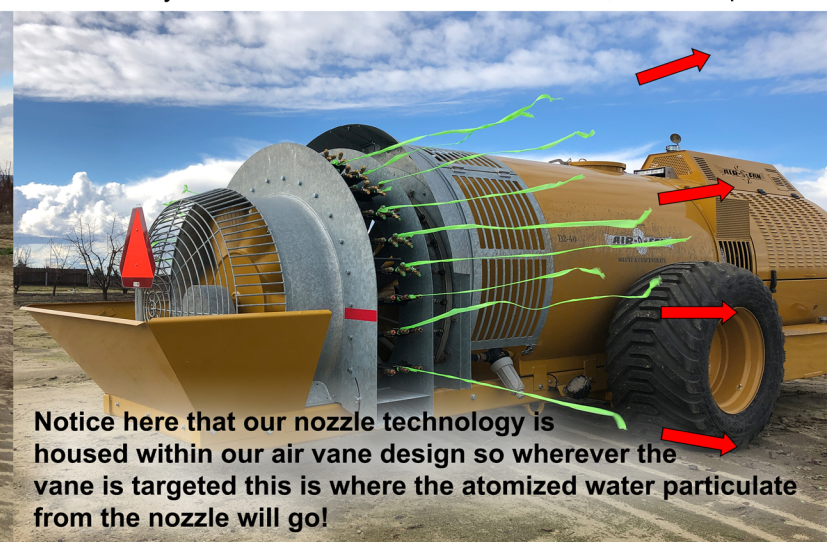


This illustration demonstrates that our air control is limitless. Notice this dead spot where air is being diverted parallel to the ground.

Lastly is nozzle design and atomization rate! Proper spray deposition is truly an art, you can't simply throw nozzles in and go spray! Our goal is to get even coverage throughout your crops canopy. If you are seeing heavy coverage down low close to the equipment, and light spotty coverage in the upper 2/3rds section of the tree, you need to make some adjustments! Good news is that we have done extensive testing in every crop we support and from this testing have won many of these battles! Please call us on this, this is our passion!



This illustration is to demonstrate our ability to drive 100% of our air performance into low growing or freshly planted Crops. This is key when you are fighting surrounding wind or simply working to limit spray drift!



Notice here that our nozzle technology is housed within our air vane design so wherever the vane is targeted this is where the atomized water particulate from the nozzle will go!

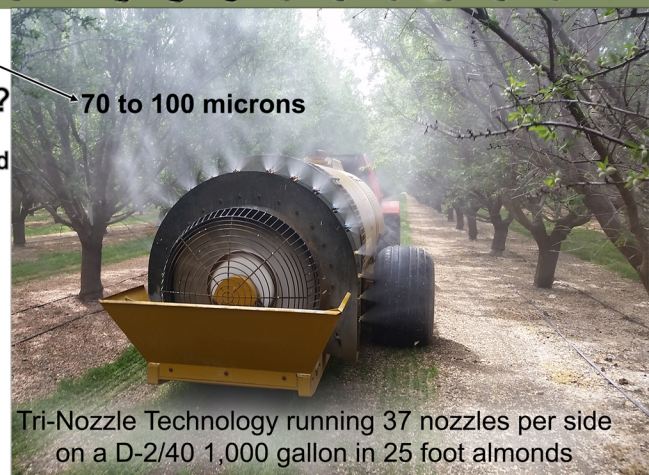




**Atomization Rate.**

**Why Tri or Dual Nozzle?**

1. 4 times the amount of atomized water!
2. The tree will **absorb** your application like a **spong**!
3. **Minimal drift!**
4. **Minimal run off!**
5. **Increased coverage!**



Standard single port (18 Nozzle) calibrations leave over coverage down low in the tree while the upper / inner crown of the tree struggles. These obstacles are a result of micronization size which create deflection of the water droplets from their intended target. Limited amounts of atomized water simply create an environment where there is not enough water to go around and the three dimensional canopy characteristics create multiple layers of foliage that disrupt & absorb spray coverage between the machinery and the top of the tree. So the big question is how do we achieve better coverage? The answer is relatively simple. Application rate, ground speed & nozzle technology. These factors

coupled with the right machine for your application, set up properly, will create a winning result! Our first recommendation would be to trial test for yourself, look at new spray nozzle technology (ie. TeeJet's TXR ceramic conjet nozzles, & Air-O-Fan's dual port & tri-port nozzle tech). A simple nozzle change can make all the difference. Try running multiple banks of nozzles in the upper 10 to 2 zones of the housing while running three different nozzle sizes from top to bottom on the machinery. The bottom three vanes would be best to be no less than three sizes smaller than the next nozzle size up.

