



**MANUFACTURING**

Engineered for the Future

**1-800-495-6145**

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www.turbomist.com





# AGRICULTURAL SPRAYERS

Turbo-Mist™ Sprayers are engineered to increase yield, eliminate drift, reduce operating costs, and decrease ecological footprint. Our patented airblast technology maximizes sprayer airflow while restricting chemical recycling and waste, creating precision coverage while protecting your crop. Portable, durable and customizable, Turbo-Mist™ Sprayers are Engineered for a long and highly productive future.

**SAVES TIME. SAVES MONEY. IMPROVES YIELD.**

**Reduce Fuel Costs + Extend Machine Life**  
**Reduce Blow Through + Spray Volume**  
**Eliminate Drift + Improve Coverage**

**YOUR CROP. YOUR SPRAYER. YOUR CHOICE.**

For the Peach Grower, we offer both Standard and Heavy Duty Sprayer models to best suit your goals, and the unique needs of your orchard. All models use turbines based on our patented Turbo-Mist™ airblast technology. With minimal maintenance, field service and repair costs, our sprayers prevent downtime and maximize yield potential, making you as cost effective and profitable as possible.

## SPRAYER SERIES

Standard Duty (SD)	Heavy Duty (HD)
9 Models	11 Models
<b>IDEAL USE:</b> 10-100 Acres Hobby Farms- Small Scale Commercial	<b>IDEAL USE:</b> 100+ Acres Commercial Farming



# ENGINEERED FOR LOW DRIFT & HIGH YIELD.

The calculus of highly efficient spraying involves water molecule size, wind speed, the force, speed and direction of the spray through the tube and finally, proximity to the target canopy. All of these factors have been rigorously engineered into the performance characteristics of your Turbo-Mist™ Sprayer and Tower. Designed to “lob” spray into the canopy, rather than blast through it, your Turbo-Mist™ sprayer generates complete coverage by surrounding the foliage, creating wrap around, as opposed to slamming into and through it. Reduced noise and visibility is yet another advantage we have built in.

## WHY USE A TOWER?



**50%=**

Savings on Water



**30%=**

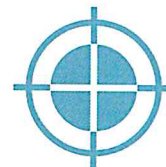
Improved coverage



Reduce Required Sprays



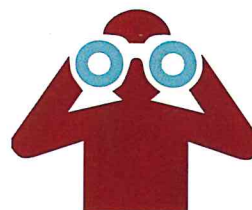
Save Money



Reduce Chemical Use per Tank



Reduce Environmental Concerns



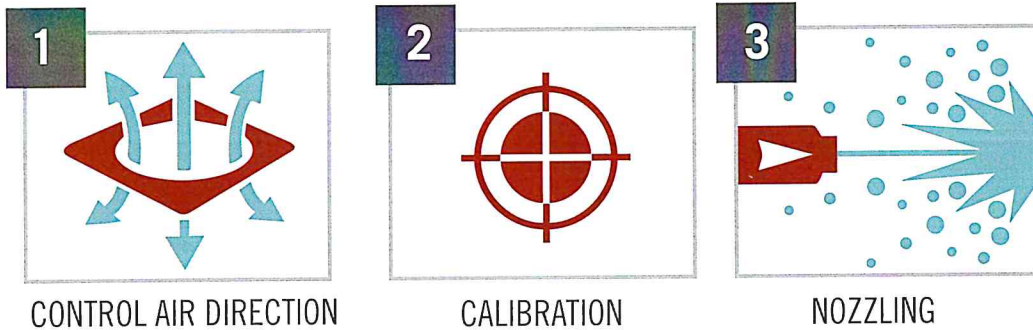
Reduce or Eliminate Spray Visibility



# MINIMIZE DRIFT. SAVE WATER.

Spray drift is the most common and constant challenge for growers of every crop variety, and neighbors aren't keen on it either! Spray drift means your equipment isn't targeting properly, isn't calibrated properly, or is over-blasting the plume. In all of these cases, your money is literally vaporizing. Turbo-Mist™ sprayer technology optimizes coverage, ensuring maximized solution usage, improving deposition and reducing or eliminating drift, all while saving you money.

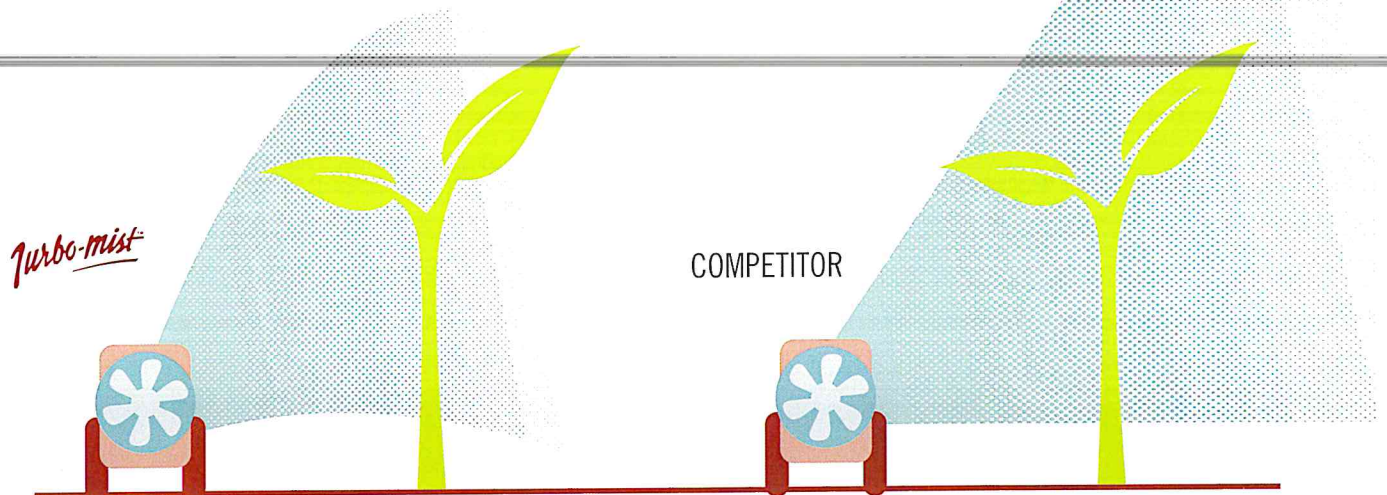
## HOW DO I MITIGATE DRIFT?



**ELIMINATE WASTE.  
IMPROVE COVERAGE.**

SPRAY "LOBBED" INTO TARGET  
= **IMPROVED COVERAGE**

SPRAY BLASTED THROUGH TARGET  
= **WASTED SPRAY**





# QUALITY IN EQUIPMENT. QUALITY IN OUTPUT.

Our attachments and specialty products will fit any Turbo-Mist™ sprayer built since 1960. Equip your sprayer with our quality attachments and specialty products suited specifically to Citrus Growers and improve your fruit quality and yield.

## OTHER ATTACHMENTS FOR YOUR ORCHARD.

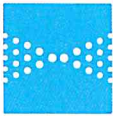
### STANDARD ORCHARD HEAD



The Standard Orchard Head is stainless steel, and adjustable to move the air. It has a canoe system that delivers 2/3 of the air to concentrate in the thicker foliage. We recommend this head for multi-orchard crops. Benefit: You can use on multi crops. The precise concentration of air in thick foliage.



### HIGH DENSITY TOWER FAMILY



Our high-density towers are designed to reduce drift and accommodate tight planting conditions. These stainless steel towers are adjustable for air direction and angle to ensure effective tree coverage. Tower configurations are available for both standard trees and grapes.



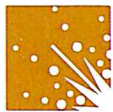
### LEAF & BERM BLOWER



Built to clear debris in the weed spray area. Maximize your sprayer investment. Multi-task by blowing both sides of the drive row at the same time.



### UTILITY SPRAYERS



Our Utility Sprayers are geared towards the home hobbyist, smaller acreages and commercial acreages that don't require the tank capacity or specifications offered by our Light Duty, Standard, or Heavy Duty TurboMist Sprayers. Our Sprayers can be used to spray weeds and are compatible with the use of herbicides.



### FRUIT DRYER GRAPE HEAD



The Grape Head air delivery system is designed specifically to direct air to match the fruit growing area to blow the water off the plants. Available in both 30" and 38" diameter. Our Fruit Dryer Heads attach to the SD and HD Bases to provide crop-specific coverage that suits the unique needs of different growers. All Standard Fan Bases come equipped with a Standard Head.



### NURSE TANKS



We offer stainless steel Nurse Tanks ranging from 800-1,200 US Gallons. Our Nurse Tanks are available in both Skid and Trailer models.



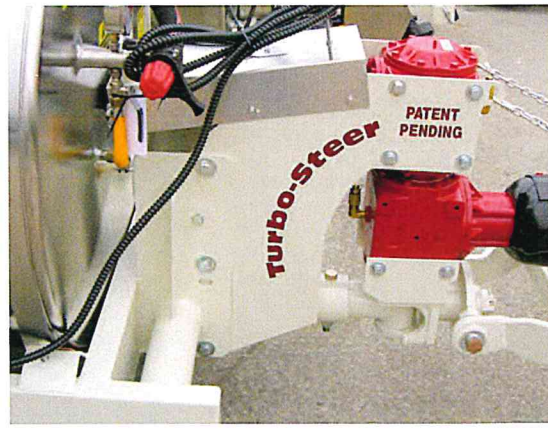
# GO BIG OR GO HOME.



## Introducing the 500 Gallon Turbo-Mist™ Spray Tanks.

Ideally suited to large acreage and/or flat land applications, our 500 gallon tank keeps you spraying longer, with fewer stops to refill. Featuring double spray booms with multi-calibration capacity, this maximum-efficiency tank achieves your high volume spraying needs with no sacrifice in targeting precision or efficacy. With a 30" or 38" turbine, diaphragm pump, Dual boom and jack-shaft system, operators can increase or decrease spray volume. The pump uses an oil-filled system to keep the pump seal oiled and safe, should the pump run dry mid-spray. Low maintenance and high performance are the defining characteristics of this high volume tank. We offer 200-1000 gallon tank and rate controllers 400/500/600.





## **PROXIMITY, PRODUCTIVITY AND PERFORMANCE: INTRODUCING TURBO-STEER'S 90° TURNING RADIUS.**

A key to complete canopy coverage with minimized water usage is the ability quickly and efficiently maneuver your sprayer, allowing you to drive further out of the row without having to turn the booms off. This gives you better coverage on the last trees in your rows. No stopping required. The Turbo-steer provides you with a 90 degree turning radius with the PTO fully engaged. That means getting into and out of tighter spots; it means tight row configurations are no problem; it means you can achieve continuous spraying without repeated stops and starts. Productivity and pace is half the challenge in cost-effective spray practices, and the larger the orchard, the more important that becomes.

Combining the Turbo-steer with a 500 gallon tank achieves the ultimate in efficiency: when having to stop and refill the tank, you do not have to back up. When the tank is empty, the hitch absorbs the weight, alleviating stress and damage.

## **DISEASE CONTROL: SPRAY FOR SALVATION**

Peach diseases such as Brown rot, Peach Scab ; Green Fruit rot, and Peach leaf curl are a blight on the incomes and livelihood of many citrus farmers. While studies, primarily at Department of Plant and Environmental Sciences, Clemson University , have been inconclusive on the relative efficacy of different spray technologies, given the enormous variability of techniques, locations, ground speed and nozzling by farmers, our own research combined with 50+ years of field experience, has shown us some undeniable realities.

### **COVERAGE MUST BE COMPLETE.**

Spraying is both a science and an art. The science comes in calibration and nozzling for ultimate performance and coverage. Failing to achieve complete coverage - all sides of all foliage - leaves fruit susceptible to disease. Lobbing spray into the canopy, rather than blasting it through the foliage achieves the goal of total coverage. The "wrap around effect" cannot be achieved if the spray is on a line drive into the canopy.

### **CALIBRATION MUST BE CORRECT.**

The Turbo-Mist™ team offers a calibration program for all Turbo-Mist™ owners on our website, and in addition, we offer Spray School; an interactive, in-person training program to help you get the most value from your sprayer.

Calibration refers primarily to choosing nozzles for water molecule size and configuration to optimize your spray according to tree size, row width, gallons per minute to be sprayed, wind conditions and ground speed. Once your sprayer is properly calibrated, your Turbo-Mist™ Airblast sprayer will give you total coverage of the target foliage, which is your best protection against disease.





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