

H. F. Hauff Company, Inc.

Victair Mistifier....a sprayerman's delight

We have been manufacturing the *Victair Mistifier* in the United States since 1965. The *Victair Mistifier* sprayer has some distinct differences that are not prevalent in most sprayers. To begin with, the *Victair Mistifier* utilizes a fan system that produces 80+ percent 50-micron droplets, utilizing low pump pressure of 30-100 psi. Two highly efficient forward-pitched centrifugal fans are used to pressurize the air, so as to shear the spray droplets into 50-micron droplets as they enter the 145+ mph air stream. Breaking the larger droplets into the smaller 50-micron droplets will increase spray coverage. The two fans are contra-rotating from each other in order to give matched and more uniform penetrating spray patterns on each row side. Each fan air discharge outlet rotates a full 270 degrees, directing the spray for better chemical placement at the spray target. Having the ability to use a lower pump pressure will extend the life of the pump, nozzles, plumbing, etc.

The *Victair Mistifier* is compact by design. It is short, maneuverable, and easy to use. It is built with the grower in mind. Round, stainless steel tanks and full length agitation provides excellent chemical mixing. The modular drop axle sub-assembly allows for many different height adjustments and load disbursements. Most spare parts are standardized and readily available at most local supply houses.

The *Victair Mistifier* has the unique ability of using a tractor horsepower requirement from a low 35 hp up to 70 hp. Because of the use of the centrifugal pressure fans, the tractor horsepower requirement is dependent on the size of opening on the air discharge volutes, whereas, other sprayers will increase the size of fan and/or pitch to get more air. The larger the discharge opening, the greater the horsepower requirement and greater volume of air created. The 145+-mph air velocity from each fan remains the same. 1", 2", 3" and spray tower air volutes are available, with the 3" volute being standard equipment.

The *Victair Mistifier* is a true concentrate type sprayer with dilute capability. Many sprayers are primarily dilute type sprayers and attempt to be concentrate by means of downsizing nozzle size and increasing pump pressure to 250-300+ psi. Even by doing this, these sprayers will not produce an average mean droplet size of 50-microns. Thus, spray coverage will not be as good, more chemicals will be used to do the same job, and more chemicals wasted, due to run-off.

One new optional feature of the *Victair Mistifier* includes hydraulic driven mechanical agitation with full length $\frac{3}{4}$ " stainless steel agitator shaft. With the sprayer PTO shut off, a hydraulic pump attached to the tractor hydraulics works to mix chemical at increased speeds and better mixes. It is very quiet, fast, and efficient. The sprayer, itself, is not working at all. Another new optional feature, is the use of Gromo hydraulic actuated control valves to control the left and right spray booms. By hooking into the tractor hydraulics, the need for tractor mounted liquid control valves or cable control valves is eliminated.

Victair Mistifier sprayers are priced out according to what you get on them. They are quality built and practical, designed not only to save you money but make you money. We are still servicing sprayers that we manufactured in the late 60's and early 70's, which are still working in the field.



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