

# Why Choose LV-8™ ?

With (4) sets of dual nozzles, the LV-8 was designed to be the most versatile machine in its class. The LV-8 can handle multiple types of applications requiring flow rates from 0-2 gallons per minute and produce spray droplet sizes from 12-130 Microns (VMD). To help to accomplish this wide flow range, a shutoff valve is installed behind each set of nozzles.

The multi-nozzle system enables virtually unlimited spray combinations in the Ultra-Low Volume and Low-Volume range.

## Ultra-Low-Volume (ULV) Flow Rates

Ultra-Low-Volume is defined by the World Health Organization (WHOPEs) as “the minimum volume that achieves economic control” and is usually less than 5 liters per hectare (67 oz/acre).

Typical ULV Application: A typical ULV application would be Vector Mosquito Control. When doing Vector Control at **ULV** flow rates of .11 gallons per minute (14 ounces/minute) and below, only (4) nozzles will be active. Therefore, when using flow rates of 14 oz/min and lower, (4) nozzles can be shutoff. These applications require droplet sizes in the 12-50 micron (VMD) range depending on the target pest.

## Low Volume (LV) Flow Rates

Low Volume is typically defined as applying 50-500 Liters per hectare (5.3-53 gallons per acre).

Typical LV Application: A typical LV application with higher flow requiring (6-8) nozzles would be used for agricultural spraying in orchards and vineyards. These applications require droplet sizes in the 50-130 micron (VMD) range depending on the target pest.

## Examples of Droplet Size Requirements

**ULV-** Vector Control for spraying disease carrying insects like mosquitoes: **12-50 Microns VMD**

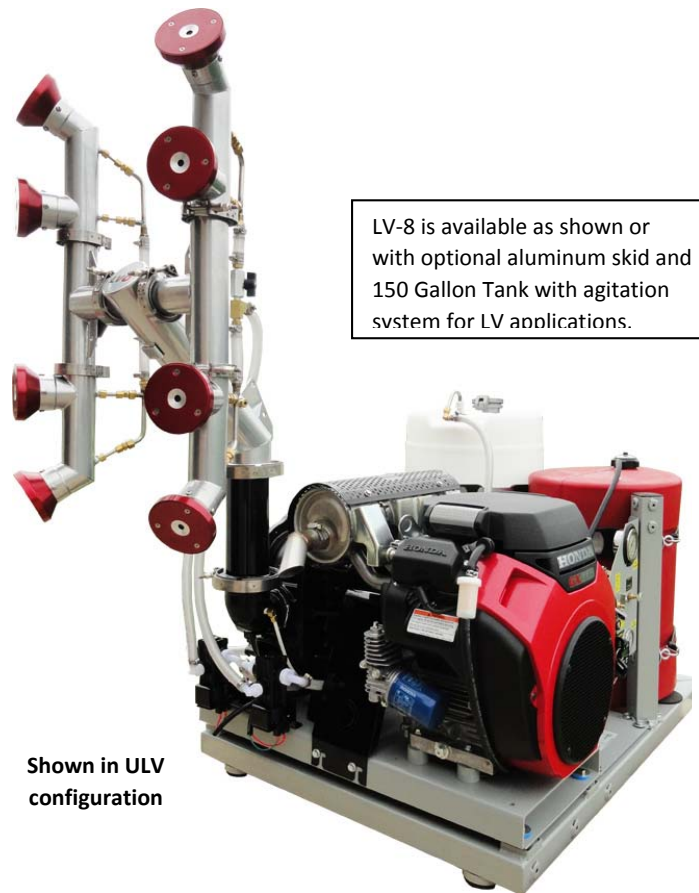
The actual required droplet size (12-50 VMD) and flow rate varies by formulation manufacturer’s label.

**LV-** Spraying Orchards & Vineyards for controlling Psyllids and other destructive pests: **50-130 Microns VMD**

The actual required droplet size (50-130 VMD) and flow rate varies by formulation manufacturer’s label.

The LV-8 has several advantages over conventional LV sprayers:

- Uses up to 90% less water
- Requires less manpower (single person operation), smaller vehicle
- Offers a wide flow rate range to handle many types of applications
- Creates spray droplet sizes as needed from 12-130 VMD!
- Lower cost per application with proven results
- Ability to do ULV applications like mosquito vector control



LV-8 is available as shown or with optional aluminum skid and 150 Gallon Tank with agitation system for LV applications.

Shown in ULV configuration



LV-8 treating orange groves to control Asian Citrus Psyllid

Manufactured by:

Curtis Dyna-Fog, Ltd.

17335 US 31 North, PO Box 297

Westfield, Indiana 46074 USA

Ph: 317-896-2561

[www.dynafog.com](http://www.dynafog.com)

info@dynafog.com

CURTIS DYNA-FOG Ltd  
Manufacturers of Spraying and Treatment Equipment  
[www.dynafog.com](http://www.dynafog.com)