

# *Ulvamast* V4

A vehicle-mounted ULV sprayer for migrant pest control



The Ulvamast V4 is a vehicle-mounted ultra low volume (ULV) sprayer for the control of migrant pests such as locusts, grasshoppers and armyworm at spray volumes of 0.5 – 3.0 litres per hectare.

The Ulvamast V4 incorporates proven Controlled Droplet Application (CDA) technology which produces optimal sized droplets for migrant pest control.

- CDA technology produces evenly sized droplets and increases spraying efficiency
- Optimal droplet sizes for migrant pest control (50 – 100  $\mu\text{m}$ )
- Compatible with all ULV formulations and biological products
- Powered entirely by vehicle battery with in-cab control for operator safety
- Robust and cost-effective
- A choice of electronic or standard controller for regulating flow rate

## Proven and effective migrant pest control

The Ulvamast V4 is the latest generation vehicle-mounted sprayer which has been specifically designed for the control of migrant pests such as locusts, grasshoppers and armyworm at spray volumes of 0.5 – 3.0 litres per hectare. Incorporating CDA (Controlled Droplet Application) technology, this ultra low volume (ULV) sprayer produces evenly sized droplets of 50 – 100µm to deliver highly effective and efficient spraying.

The Ulvamast V4 incorporates a Micron AU6449 rotary atomiser, a 100 litre tank, in-line filter and pump mounted on a nylon-coated steel framework which supports a folding mast. The atomiser is mounted on the mast which, when in use, protrudes beyond the back of the vehicle. Spray droplets are dispersed by the wind with successive overlapping passes at 30 – 50 m intervals, achieving work rates of up to 50 hectares per hour.

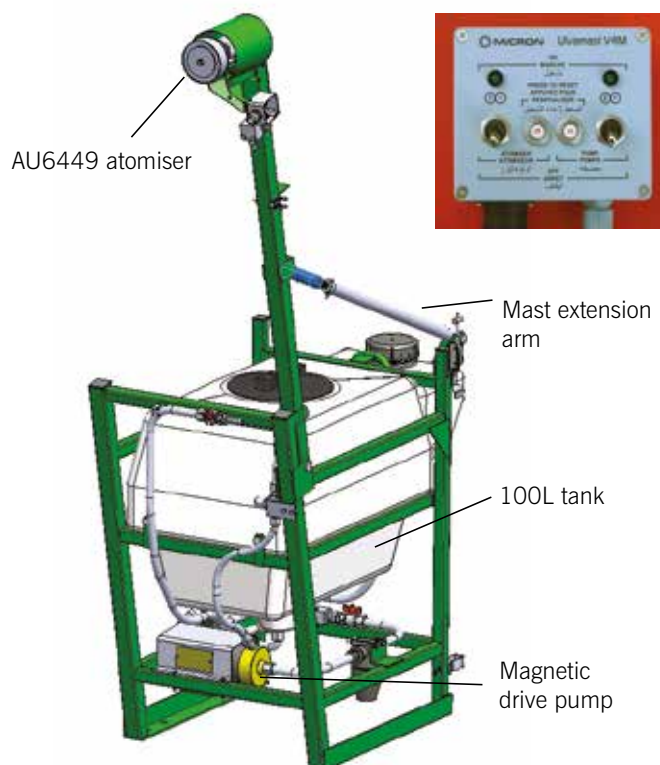
The Ulvamast V4 offers a number of innovative features which include a direct drive atomiser, a folding mast with locking extension arm, increased tank capacity, stainless steel braided PTFE lined hoses and a choice of standard or electronic in-cab controllers to regulate the flow rate of pesticide. The sprayer is powered by the vehicle battery (12 V DC).

The Ulvamast V4 in-cab controller enables the sprayer to be remotely controlled from the vehicle cab for maximum operator safety.

The Ulvamast V4 sprayer is available in two versions:

**Ulvamast V4E** incorporates an electronic in-cab controller providing a choice of ten pre-set flow rates from 0.2 – 1.5 litres per minute, thus eliminating the need for manual calibration of the flow rate.

**Ulvamast V4M** is supplied with a standard in-cab switch box to operate the Micron AU6449 atomiser and pump. Flow rates can be set by in-line orifice restrictor plates or by an adjustable flow rate valve.



Specification	V4E & V4M	
<b>Weight:</b>	65 kg	
<b>Frame:</b>	Strong 30mm and 40mm box section mild steel. Folding mast and support arm. Nylon coated.	
<b>Tank:</b>	UV stabilised HDPE	
<b>Hoses:</b>	Stainless steel braided PTFE	
<b>Mast height:</b>	2.5 m (approx)	
<b>Tank capacity:</b>	100 l (plus 10 l flushing tank)	
<b>Atomiser:</b>	Micron AU6449 (electric direct drive, single high speed 7200 rpm)	
<b>Power supply:</b>	12 V DC vehicle battery	
<b>Current consumption:</b>	8 Amps maximum	
	V4E	V4M
<b>Pump:</b>	Mag drive gear	Mag drive centrifugal
<b>Flow rate:</b>	0.2 – 1.5 l/min	0.2 – 2.0 l/min
<b>Droplet size range:</b>	50 – 100 µm	50 – 100 µm

Distributed by