



GUARANY GUARDSMAN™ ULV BACKPACK

(1.6 Gallons/6 Liters)

The Guardsman™ ULV Backpack from Guarany uses the same advanced engineering and quality concepts of larger ULV units, yet only weighs 23.8 lbs (10.8 kgs), making it ideal for public health mosquito control in small and confined outdoor areas. The Guardsman ULV Backpack features an **air cooled, 2-Cycle Kawasaki engine, 1/2 gallon fuel tank (2L), and six flow rate settings.** The formulation tank is corrosion resistant with a thin profile that sits snugly flat-to-the-back for greater operator comfort. Best of all, **set-up time is only 5 minutes!**

When you need portability in a ULV applicator, the Guardsman ULV Backpack is the answer. The Guardsman offers the day in and day out performance and rugged dependability public health vector control professionals need and want.

See What's New!

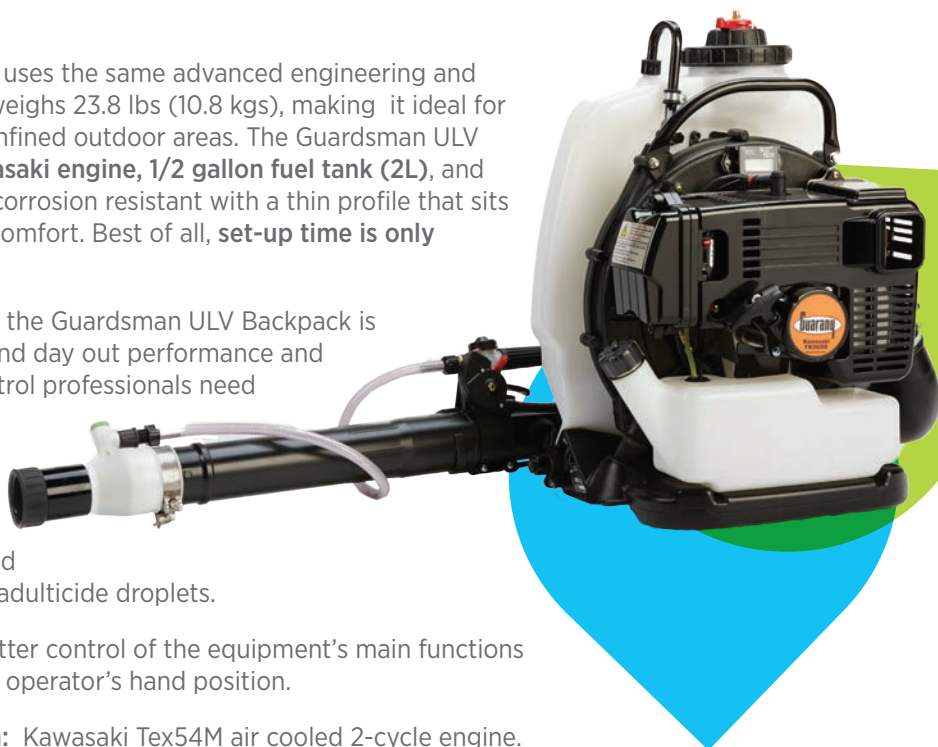
ULV Nozzle: Supplied with six metering restrictors to provide flow rates between 1.7 and 8.5 fl oz/min (50 to 250 ml/min), for true ULV adulticide droplets.

Fingertip Control: Unique design allows for better control of the equipment's main functions by placing the control lever comfortably at the operator's hand position.

High Performance and Low Fuel Consumption: Kawasaki Tex54M air cooled 2-cycle engine. Tank resistant to UV rays and corrosion.

Flow Rate Chart

Flow Restrictor (color)	Flow Rate (ml/min) (water)	VMD (microns) (water)	(oz/min)	Flow Rates (soy oil) (ml/min)	(microns)
Gray	50	23.3 µm	1.7	30	26.0 µm
Red	80	24.0 µm	2.7	35	26.1 µm
Green	110	23.7 µm	3.7	44	26.7 µm
Yellow	150	23.6 µm	5.1	60	27.3 µm
Black	200	27.0 µm	6.8	80	28.5 µm
Blue	250	27.7 µm	8.5	100	28.1 µm
Orange	600	Residual Application	203	600	—



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Available Exclusively from Clarke

The lightweight yet rugged Guardsman ULV backpack was designed with the applicator in mind. This backpack has a highly efficient spray system for ULV applications for oil and water-based products. And with features such as a low fuel consumption engine and a corrosion resistant insecticide tank, the Guardsman is the best choice for a dependable backpack.

The Guardsman is fully compliant with the requirements of the WHO Equipment for Vector Control Specification Guidelines (WHO/HTM/NTD/WHOPES/2010.9) revised edition 2010.

Engine	
Kawasaki TEX54M	2 year warranty / 2 stroke
Capacity (cm ³)	48.6
Power (hp/kw)	3.7 / 2.8
Rotation (rpm)	minimum 2200 / maximum 7600
Weight/Capacity/Dimensions	
Dry Weight (lbs/kg)	23.8 / 10.8
Chemical Tank — Liquid (gals/L)	1.5 / 6.0
Fuel Tank (gals/L)	0.5 / 2.0
Horizontal Spray Reach (ft/m)	49.2 / 15.0
Vertical spray reach (ft/m)	39.4 / 12.0
Dimensions (in/mm)	15.7 x 11.8 x 24.4 / 400 x 300 x 620
Shipping Carton (in/mm)	18.1 x 12.4 x 25.2 / 460 x 315 x 640

Seven color-coded interchangeable flow restrictors enable ULV droplets from 23.3 µm to 27.7 µm plus a full open restrictor for residual/barrier applications.



Quick disconnect fittings make for easy removal of hoses when necessary.



Unique agitation control design uses air-flow in the bottom of the tank to keep formulation from settling.



Narrow profile formulation tank design, ventilated padding with adjustable straps fits snugly to the back to reduce operator fatigue.



An in-line, ergonomically placed control cluster makes for single-handed operation.



GLOBAL HEADQUARTERS
675 Sidwell Court, St. Charles, IL 60174
Phone: +1.630.894.2000 Fax: +1.630.894.1774

www.clarke.com



Manufactured by Guarany-Brazil exclusively for Clarke