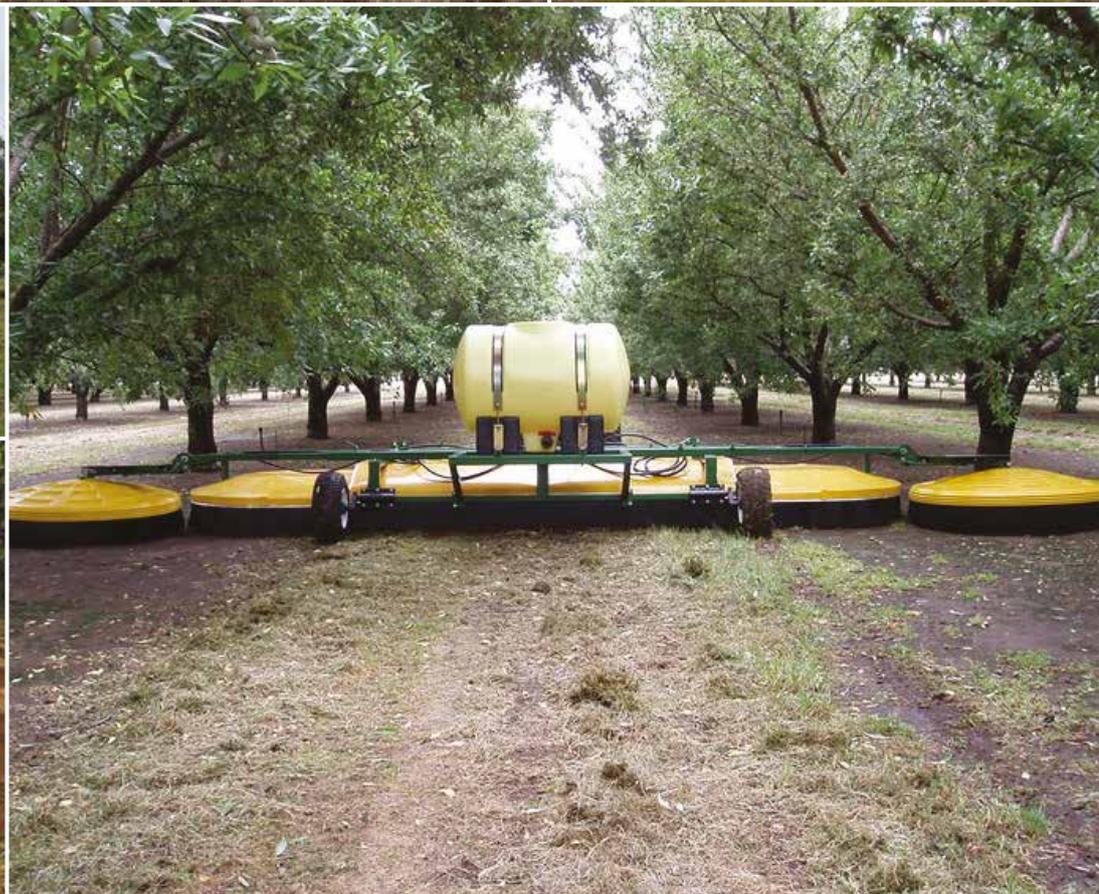


Enviro

A comprehensive range of shielded vehicle-mounted sprayers



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A comprehensive range of shielded vehicle-mounted sprayers



Agriculture



Horticulture



Vegetables



Viticulture



Orchards



Nuts



Soft Fruit



Turf & Amenity



Forestry



General Weed Control

With decades of experience in specialist low volume and hooded sprayers, you can rely on Micron to offer you a cost-effective and efficient weed control solution, whatever the application. Our extensive range of shielded Enviro equipment includes sprayers for weed control in most situations including broad acre crops, vegetables, ornamentals, fruit, vines and amenity.

Low volume, shielded technology

Micron Enviro sprayers incorporate a shielded design which offers users a wide range of benefits compared to conventional methods of spray delivery. Available in a choice of HiFlo (hydraulic pressure nozzle) or CDA (Controlled Droplet Application) spray systems, Micron Enviro sprayers offer a highly targeted and economical method of weed control, as spray liquid is contained under the shield and is only applied in bands where it is required, thus significantly reducing chemical requirement. Shielded technology minimises any risk of spray drift, allowing users to operate the machinery next to the adjacent crop with confidence. With over 95% proven drift reduction, the Enviro sprayers can also be used with non-selective products, thus resulting in considerable cost savings.

- **Low volume application thanks to targeted spray delivery**
- **Shielded technology minimises spray drift**
- **Chemical cost savings**
- **Enhanced spray accuracy**
- **Hydraulic pressure nozzle (HiFlo models) or rotary atomiser (CDA) options**



Added CDA advantages

As well as the advantages awarded by the sprayers' shielded construction, the Enviro CDA models offer a host of additional benefits. Micron CDA sprayers employ spinning discs to break up the spray into optimum-sized droplets for a particular application, thus further reducing liquid wastage and spray drift. Subsequently, users can achieve a more uniform target coverage, better weed penetration and improved herbicide retention. With typical application rates of as low as 20 litres/hectare, considerably less liquid is required to treat a given area which in turn reduces the refilling requirements, prevents soil compaction and saves valuable time.

Operating CDA equipment is easy and effortless. All CDA models feature Micron's control system which monitors the flow of each individual spray head for maximum performance. The system includes a light indicator to check the correct operation of the atomisers.

- **Cost savings due to reduced volume of spray**
- **Better spraying results thanks to even droplet distribution and uniform droplet size**
- **Reduced time and effort as considerably less liquid is needed**
- **Fewer mixing and filling operations**
- **Less herbicide and water required**
- **Reduced soil compaction and contamination**

Versatile and user-friendly design

Most Micron Enviro products are modular and can be used in conjunction with other sprayers within the range, awarding users the flexibility to carry out different spraying operations. With a range of sizes to treat the required widths and a choice of shields to suit the job at hand, we can offer a sprayer for most weed control requirements. A choice of Micron tanking systems for ATVs and tractors are also available to complement our sprayer range.

Fixed Width Sprayers

Circular Shield Models

Incorporating a freely rotating circular shield, these sprayers are ideal for treating weeds growing around trees, bushes and vines, as well as a range of amenity and general weed control situations. The circular Enviro sprayers also feature a spring-loaded breakaway arm which gently deflects and rolls the shield around the base of the plants or street furniture, reducing any risk of mechanical damage. The units are compatible with most ATVs, UTVs and tractors.

Undavina



The Undavina has been specifically developed for treating weeds in vineyards and orchards. The sprayer has a dome-shaped brush design which rolls closely around the base of vines and trees to ensure maximum weed kill. The flexibility afforded by the soft brushes also makes the sprayer suitable for use in young plants where an optional vinyl slip on cover is recommended to protect the sensitive stems from chemical contact.

Available in HiFlo and CDA options, the Undavina can be supplied in 250mm, 400mm, 600mm and 900mm diameters to suit the row spacing or treatment width required.

An optional vinyl brush cover is available in the above mentioned sizes for added protection.

Spraydome



Incorporating a flexible plastic dome to fully contain the spray, the circular Spraydome models are ideal for applications where chemical contact with the crop is not desired – for example, treating weeds round the base of mature blackcurrants, blueberries, raspberries and other high value crops. In addition to providing a physical barrier to the spray, the Spraydome's hard wearing shields offer durability and longevity in application and make the sprayer particularly suited for more demanding spraying tasks including weed control round mature olive trees, citrus fruit and almonds, as well as amenity areas such as fence lines, footpaths and along buildings. The sprayer can also be used for field margin demarcation and agricultural trial plots.

The circular Spraydomes are available in 400mm, 600mm, 1000mm and 1200mm diameter models, all of which can be fitted with either Micron CDA or HiFlo spray systems.



Adjustable Width Sprayers

Rectangular Shield Models

As part of the Micron Enviro range, we also offer a choice of rectangular shield models which are perfect for treating fixed band widths. The sprayers can be tractor or ATV mounted and are fully compatible with the circular units.

Spraymiser



Due to their oblong shape, the Spraymiser range is particularly suited for spraying the centre row in vineyards, bush crops and orchards. The sprayers' no-drift design and targeted method of spray application also make them an ideal choice for use in amenity situations including roadside, footpath and fence line spraying.

The units can be supplied in a choice of widths from 1200mm to 2400mm to cater for most weed control requirements. All models can be fitted with either HiFlo or CDA spray systems. The CDA variants feature Micron's innovative recirculation system to further reduce chemical wastage.

The larger Spraymiser 1800, 2000 and 2400 units feature hinged wings to facilitate ease of transportation and storage.



Specialist Orchard and Vineyard Models

For treating non-uniform widths or performing multiple spraying tasks, Micron offers sprayers with the advantage of adjustable width as part of the integral sprayer design.

Spraydome



The Spraydome range of adjustable sprayers are capable of treating widths from 1.5m to 7.2m in one pass. Their variable width and wide reach make them ideal for centre row weed control in orchards, including almonds, pistachios, apples and walnuts. In addition, the units can be used in vineyards with differing row widths and a host of amenity situations including spraying roadsides, parks and fence lines.

Available in both HiFlo and CDA variants, the range comprises of a choice of three variable width base units: the Spraydome 1524 which is capable of treating between 1.5 and 2.4 metres, the Spraydome 2034 with 2 to 3.4 metre reach and the Spraydome 3049 which can treat from 3 to 4.9 metres. For wider centre rows, the base units can be easily fitted with circular Spraydome 1200 models each side, thus extending the coverage by an additional 2.3m if required. The circular Spraydome 1200 extensions incorporate a breakaway arm which allows operators to spray in between and around the base of the trees, as well as the centre row at the same time.

The base units can be adjusted to their minimum width and the extension arms tilted up for trouble-free storage and transportation.



Inter-Row Sprayers

Specifically designed for eradicating weeds growing in between the rows, Varidome can be used in a wide variety of crops including vegetables, maize, sugar cane, beet, strawberries, cotton, ornamental herbs and tree nurseries.

Varidome



The sprayer is available in S1, S3, S5 and S7 models which are capable of treating up to 3, 6, 9 and 12 metre maximum working widths respectively. The S1 unit is available in a choice of either HiFlo or CDA variants, whereas the larger models are fitted with hydraulic pressure nozzles as standard.

The toolbar configuration and shield spray width can be easily changed to suit the crop. Spray shields are mounted on individual ground following carriages to minimise spray drift.

Four types of oval-shaped shields are currently available: Varidome 170 HiFlo (capable of spraying inter-rows between 170 to 700mm), Varidome 100 HiFlo (100 – 450mm), Varidome 130 CDA (130 – 800mm) and Varidome 80 CDA (80 – 800mm). A range of circular, freely rotating shields with a breakaway arm can also be offered for use in between raised beds or situations where sideways movement of the shield is required.

Varidome can be fitted with Micron's dual spray system which allows users to apply one product in between the rows and a different product directly over the row.



Spray Tank Options

Micron offers a range of tanking solutions of varied volume capacity. The options include single ATV and tractor-mounted tanks, as well as a twin tank system for simultaneous dual spray applications.

Micron Tank Systems



Tank System ATV 60L & 80L. Supplied in CDA and HiFlo variants, the Micron Tank System for ATVs incorporates a built-in clean water flushing system and an electric diaphragm pump for reliable performance. Available in a choice of 60 and 80 litre sizes, the tanks feature an ergonomic design for maximum operator comfort.

Tank System 100L. Suitable for use with CDA and HiFlo sprayers, the Micron Tank System 100L offers a 100 litre capacity and comes with separate 15 litre hand wash and flushing tanks. It incorporates an electric high capacity diaphragm pump with filter and agitation. The system can be front or rear mounted via 3 point linkage (CAT 1 & 2) and only requires a single 12 volt electrical supply for operation. An optional hydraulic pump is available.

Tank System 200L. Typically used for CDA applications, the tank system offers users a 200 litre capacity and features an electric diaphragm pump for reliable operation. It can be front or rear mounted and can be used with a range of Micron spray systems.

Modular Tank System 200-600L. Available in 200, 300, 400, 500 and 600 litre volume capacities, these tank systems share a common chassis which enables users to interchange or upgrade the tanks if required. Customers are able to choose from electric, hydraulic or PTO driven pumps according to their preference. The systems feature a built-in hand wash tank and adjustable height storage legs. Other options include a fold-away platform or an induction bowl for safe filling, a rinse tank, storage locker, adjustable height control wheels and various lighting kits.

Tank System 1200L. Designed for larger spraying operations, this self-contained system contains a 1200 litre liquid tank, induction hopper, hand wash and rinse tanks and a hydraulic pump. It is also equipped with operator-friendly features such as road lighting, a watertight locker and easy access controls.

Dual Tank System 1800L. With the combined volume capacity of 1800 litres, Micron's innovative Dual Tank System 1800L incorporates 1050 and 750 litre liquid reservoirs which feature independent twin spray systems with hydraulic centrifugal self-priming pumps, induction hoppers with agitation and rinse facilities and road lighting. Specifically designed for band spraying applications, the Dual Tank enables users to simultaneously apply separate products in the inter-row and over the row.



Technical Specification

Fixed Width Sprayers

Model	Nominal Spray Width	Typical Application Rates	Total Weight
Undavina 250 HiFlo	250mm	100 – 500 l/ha	15kg
Undavina 250 CDA	250mm	20 – 80 l/ha	15kg
Undavina 400 HiFlo	400mm	100 – 500 l/ha	17kg
Undavina 400 CDA	400mm	20 – 80 l/ha	17kg
Undavina 600 HiFlo	600mm	100 – 500 l/ha	18kg
Undavina 600 CDA	600mm	20 – 80 l/ha	18kg
Undavina 900 HiFlo	900mm	100 – 500 l/ha	19kg
Undavina 900 CDA	900mm	20 – 50 l/ha	19kg
Spraydome 400 HiFlo	400mm	100 – 500 l/ha	17kg
Spraydome 400 CDA	400mm	20 – 80 l/ha	17kg
Spraydome 600 HiFlo	600mm	100 – 500 l/ha	18kg
Spraydome 600 CDA	600mm	20 – 80 l/ha	18kg
Spraydome 1000 HiFlo	1000mm	100 – 500 l/ha	26kg
Spraydome 1000 CDA	1000mm	20 – 50 l/ha	26kg
Spraydome 1200 HiFlo	1200mm	100 – 500 l/ha	36kg
Spraydome 1200 CDA	1200mm	20 – 40 l/ha	36kg
Spraymiser 1200 HiFlo	1200mm	100 – 500 l/ha	12kg
Spraymiser 1200 CDA	1200mm	20 – 40 l/ha	12kg
Spraymiser 1800 HiFlo	1800mm	100 – 500 l/ha	18kg
Spraymiser 1800 CDA	1800mm	20 – 50 l/ha	18kg
Spraymiser 2000 HiFlo	2000mm	100 – 500 l/ha	19kg
Spraymiser 2000 CDA	2000mm	20 – 50 l/ha	19kg
Spraymiser 2400 HiFlo	2400mm	100 – 500 l/ha	25kg
Spraymiser 2400 CDA	2400mm	20 – 80 l/ha	25kg

Adjustable Width Sprayers

Model	Nominal Spray Width	Typical Application Rates	Total Weight
Spraydome 1524 HiFlo	1500mm – 2400mm	100 – 500 l/ha	100kg
Spraydome 1524 CDA	1500mm – 2400mm	20 – 60 l/ha	100kg
Spraydome 2034 HiFlo	2000mm – 3400mm	100 – 500 l/ha	175kg
Spraydome 2034 CDA	2000mm – 3400mm	20 – 75 l/ha	175kg
Spraydome 3049 HiFlo	3000mm – 4900mm	100 – 500 l/ha	204kg
Spraydome 3049 CDA	3000mm – 4900mm	20 – 60 l/ha	204kg
Spraydome 1200 HiFlo extension	1200mm	100 – 500 l/ha	36kg
Spraydome 1200 CDA extension	1200mm	20 – 40 l/ha	36kg

Technical Specification

Inter-Row Sprayers

Model	Working Width	Typical Application Rates	Implement Requirement	Vehicle Mounting	Min. Tractor Requirement
Varidome S1 CDA	Up to 3m	20 – 50 l/ha	12 volt 3 amp supply; 1 hydraulic service	3 point linkage: CAT2, front or rear	35 kW
Varidome S1 HiFlo	Up to 3m	100 – 500 l/ha	12 volt 3 amp supply; 2 hydraulic services	3 point linkage: CAT2, front or rear	35 kW
Varidome S3 HiFlo	Up to 6m	100 – 500 l/ha	12 volt 3 amp supply; min 3 hydraulic services	3 point linkage: CAT2, front or rear	75 kW
Varidome S5 HiFlo	Up to 9m	100 – 500 l/ha	12 volt 3 amp supply; min 3 hydraulic services	3 point linkage: CAT2, rear only	90 kW
Varidome S7 HiFlo	Up to 12m	100 – 500 l/ha	12 volt 3 amp supply; min 3 hydraulic services	3 point linkage: CAT2, rear only	135 kW
Shield	Working Width	Typical Application Rates	Spray System	Carriage Option	Available Toolbar
Varidome 80 CDA	80 – 800mm	20 – 50 l/ha	CDA atomiser	Lightweight (LW)	S1
Varidome 130 CDA	130 – 800mm	20 – 50 l/ha	CDA atomiser	Lightweight (LW)	S1
Varidome 170 HiFlo	170 – 700mm	100 – 500 l/ha	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7
Varidome 100 HiFlo	100 – 450mm	100 – 500 l/ha	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7
Varidome UD250 HiFlo	250mm (circular)	100 – 500 l/ha	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7
Varidome UD400 HiFlo	400mm (circular)	100 – 500 l/ha	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7
Varidome UD600 HiFlo	600mm (circular)	100 – 500 l/ha	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7
Varidome SD400 HiFlo	400mm (circular)	100 – 500 l/ha	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7
Varidome SD600 HiFlo	600mm (circular)	100 – 500 l/ha	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7

Tank Systems

Model	Net Weight (dry)	Net Weight (maximum)	Dimensions (approximate)			Capacity			
			Width	Length	Height	Main	Rinse	Hand Wash	Induction Hopper
Tank System ATV 60L	15kg	79kg	900mm	500mm	400mm	60 l	3.5 l	N/A	N/A
Tank System ATV 80L	16kg	100kg	900mm	500mm	500mm	80 l	3.5 l	N/A	N/A
Tank System 100L	80kg	210kg	1160mm	740mm	970mm	100 l	15 l	15 l	N/A
Tank System 200L	65kg	280kg	1000mm	800mm	1100mm	200 l	15 l	N/A	N/A
Modular Tank System 200L	243kg	525kg	1060mm	830mm	1290mm	200 l	30 l	15 l	Optional
Modular Tank System 300L	248kg	650kg	1060mm	830mm	1360mm	300 l	30 l	15 l	Optional
Modular Tank System 400L	253kg	810kg	1060mm	830mm	1510mm	400 l	40 l	15 l	Optional
Modular Tank System 500L	265kg	900kg	1060mm	830mm	1690mm	500 l	50 l	15 l	Optional
Modular Tank System 600L	270kg	1020kg	1260mm	830mm	1690mm	600 l	60 l	15 l	Optional
Tank System 1200L	415kg	1800kg	1800mm	2050mm	1200mm	1200 l	170 l	15 l	40 l
Dual Tank System 1800L	515kg	2500kg	2000mm	2050mm	1200mm	1050/750 l	170 l	15 l	40 l (x2)

Distributed by

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