



# 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 2 USG/acre, 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 10", 16", 24" and 36" diameters to suit the row spacing or treatment width required.

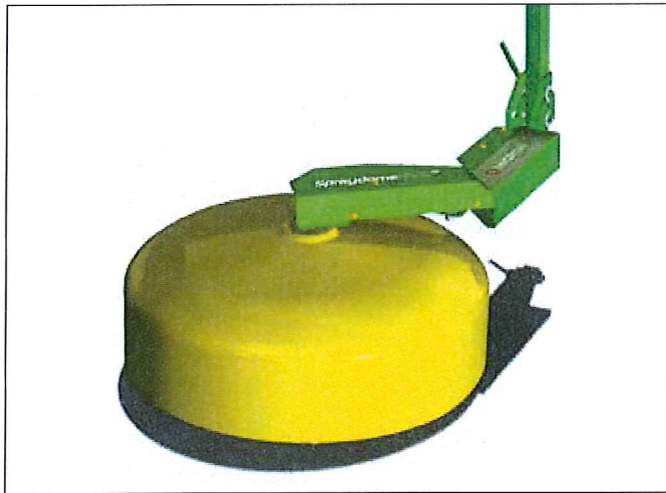
An optional vinyl brush cover is available in the above mentioned sizes for added protection.

### 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 16", 24", 40" and 48" 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 2' to 8' 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 models (6' – 8') 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 5' to 24' 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 5' and 8', the Spraydome 2034 with 6 ½' to 11' reach and the Spraydome 3049 which can treat from 10' to 16'. For wider centre rows, the base units can be easily fitted with circular Spraydome 1200 models each side, thus extending the coverage by additional 8' 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 10', 20', 30' and 40' 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 7" to 28"), Varidome 100 HiFlo (4" – 18"), Varidome 130 CDA (5" – 32") and Varidome 80 CDA (3" – 32"). 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 16 and 21 USG 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 25 USG capacity and comes with separate 4 USG 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 HiFlo applications, the tank system offers users a 50 USG 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.

**Tank System 1200L.** Designed for larger spraying operations, this self-contained system contains a 320 USG 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 475 USG, Micron's innovative Dual Tank System 1800L incorporates 280 USG and 200 USG 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	10"	10 – 50 USG/acre	33 lbs
Undavina 250 CDA	10"	2 – 8 USG/acre	33 lbs
Undavina 400 HiFlo	16"	10 – 50 USG/acre	37 lbs
Undavina 400 CDA	16"	2 – 8 USG/acre	37 lbs
Undavina 600 HiFlo	24"	10 – 50 USG/acre	40 lbs
Undavina 600 CDA	24"	2 – 8 USG/acre	40 lbs
Undavina 900 HiFlo	36"	10 – 50 USG/acre	42 lbs
Undavina 900 CDA	36"	20 – 50 USG/acre	42 lbs
Spraydome 400 HiFlo	16"	10 – 50 USG/acre	37 lbs
Spraydome 400 CDA	16"	2 – 8 USG/acre	37 lbs
Spraydome 600 HiFlo	24"	10 – 50 USG/acre	40 lbs
Spraydome 600 CDA	24"	2 – 8 USG/acre	40 lbs
Spraydome 1000 HiFlo	40"	10 – 50 USG/acre	53 lbs
Spraydome 1000 CDA	40"	2 – 5 USG/acre	53 lbs
Spraydome 1200 HiFlo	48"	10 – 50 USG/acre	80 lbs
Spraydome 1200 CDA	48"	2 – 4 USG/acre	80 lbs
Spraymiser 600 HiFlo	24"	10 – 50 USG/acre	18 lbs
Spraymiser 600 CDA	24"	2 – 5 USG/acre	18 lbs
Spraymiser 1200 HiFlo	48"	10 – 50 USG/acre	26 lbs
Spraymiser 1200 CDA	48"	2 – 4 USG/acre	26 lbs
Spraymiser 1500 HiFlo	60"	10 – 50 USG/acre	31 lbs
Spraymiser 1500 CDA	60"	2 – 5 USG/acre	31 lbs
Spraymiser 1600 HiFlo	63"	10 – 50 USG/acre	35 lbs
Spraymiser 1600 CDA	63"	2 – 5 USG/acre	35 lbs
Spraymiser 1800 HiFlo	71"	10 – 50 USG/acre	40 lbs
Spraymiser 1800 CDA	71"	2 – 5 USG/acre	40 lbs
Spraymiser 2000 HiFlo	78"	10 – 50 USG/acre	42 lbs
Spraymiser 2000 CDA	78"	2 – 5 USG/acre	42 lbs
Spraymiser 2400 HiFlo	96"	10 – 50 USG/acre	55 lbs
Spraymiser 2400 CDA	96"	2 – 8 USG/acre	55 lbs

## Adjustable Width Sprayers

Model	Nominal Spray Width	Typical Application Rates	Total Weight
Spraydome 1524 HiFlo	5' – 8'	10 – 50 USG/acre	222 lbs
Spraydome 1524 CDA	5' – 8'	2 – 6 USG/acre	222 lbs
Spraydome 2034 HiFlo	6.5' – 11'	10 – 50 USG/acre	385 lbs
Spraydome 2034 CDA	6.5' – 11'	2 – 7.5 USG/acre	385 lbs
Spraydome 3049 HiFlo	10' – 16'	10 – 50 USG/acre	450 lbs
Spraydome 3049 CDA	10' – 16'	2 – 6 USG/acre	450 lbs
Spraydome 1200 HiFlo extension	4'	10 – 50 USG/acre	80 lbs
Spraydome 1200 CDA extension	4'	2 – 4 USG/acre	80 lbs

# Technical Specification

## Inter-Row Sprayers

Model	Working Width	Typical Application Rates	Implement Requirement	Vehicle Mounting	Min. Tractor Requirement
Varidome S1 CDA	Up to 10'	2 – 5 USG/acre	12 volt 3 amp supply; 1 hydraulic service	3 point linkage: CAT2, front or rear	50 HP
Varidome S1 HiFlo	Up to 10'	10 – 50 USG/acre	12 volt 3 amp supply; 2 hydraulic services	3 point linkage: CAT2, front or rear	50 HP
Varidome S3 HiFlo	Up to 20'	10 – 50 USG/acre	12 volt 3 amp supply; min 3 hydraulic services	3 point linkage: CAT2, front or rear	100 HP
Varidome S5 HiFlo	Up to 30'	10 – 50 USG/acre	12 volt 3 amp supply; min 3 hydraulic services	3 point linkage: CAT2, rear only	120 HP
Varidome S7 HiFlo	Up to 40'	10 – 50 USG/acre	12 volt 3 amp supply; min 3 hydraulic services	3 point linkage: CAT2, rear only	180 HP

Shield	Working Width	Typical Application Rates	Spray System	Carriage Option	Available Toolbar
Varidome 80 CDA	3" – 32"	2 – 5 USG/acre	CDA atomiser	Lightweight (LW)	S1
Varidome 130 CDA	5" – 32"	2 – 5 USG/acre	CDA atomiser	Lightweight (LW)	S1
Varidome 170 HiFlo	7" to 28"	10 – 50 USG/acre	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7
Varidome 100 HiFlo	4" – 18"	10 – 50 USG/acre	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7
Varidome UD250 HiFlo	10"	10 – 50 USG/acre	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7
Varidome UD400 HiFlo	16"	10 – 50 USG/acre	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7
Varidome UD600 HiFlo	24"	10 – 50 USG/acre	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7
Varidome SD400 HiFlo	16"	10 – 50 USG/acre	Hydraulic pressure nozzle	Lightweight (LW); Heavy Duty (HD)	S1, S3, S5, S7
Varidome SD600 HiFlo	24"	10 – 50 USG/acre	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	Rinse	Main	Hand Wash	Induction Hopper
Tank System ATV 60L	33 lbs	175 lbs	36"	20"	16"	1 USG	16 USG	N/A	N/A
Tank System ATV 80L	35 lbs	220 lbs	36"	20"	20"	1 USG	21 USG	N/A	N/A
Tank System 100L	176 lbs	463 lbs	46"	30"	38"	4 USG	25 USG	4 USG	N/A
Tank System 200L	143 lbs	618 lbs	40"	32"	44"	4 USG	50 USG	N/A	N/A
Tank System 1200L	915 lbs	3970 lbs	71"	81"	48"	45 USG	320 USG	4 USG	11 USG
Dual Tank System 1800L	1135 lbs	5500 lbs	78"	81"	48"	45 USG	280/200 USG	4 USG	11 USG (x2)

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