

Vineyard Spraying & Machinery



Silvan was founded in 1962 and is devoted to those connected to the land. A pioneer in the development and manufacture of agricultural machinery to meet the specific needs of Australasia's producers, Silvan combines innovative products with a comprehensive understanding of today's agribusiness.

SILVAN SPRAYERS

Leaders in the design of high & low volume horticultural sprayers, Silvan have evolved into the largest Australasian manufacturer of world-class crop protection sprayers and related machinery. Specialised equipment has been developed for a wide range of crops including; vegetables, grapes, apples, pears, citrus, bananas, olives, turf and sugar cane.

FARM MACHINERY

Silvan Australia's farm machinery range comprises a broad selection from the world's most prominent manufacturers including; Nobili mulchers, Breviglieri tillage equipment, Sitrex hayrakes and DCM fertilizer spreaders. Silvan also manufactures quality agricultural implements including rotary slashers, carryalls & post hole diggers.

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PROTECT

Silvan has a long history in the design and manufacture of vineyard spraying equipment to suit Australian conditions. This experience has led to Silvan offering an extensive range of air assist and air shear sprayers providing growers a choice to suit their crop protection requirements. Silvan continues to invest in research and development so that it can meet the changing needs of growers, as it has done for over 50 years.



Silvan Viticulture Range



MAINTAIN

Silvan distributes the Nobili range of high quality mulchers and Breviglieri tillage equipment which are made to the highest manufacturing standards for mid-row management. There are options to suit the specific application and tractor HP.



GROW

Silvan's range of fertiliser spreaders all offer the option of banding in rows with poly and stainless steel hopper choices for greater durability. They are specifically suited to the application of granular or pelletised fertiliser products that are used to compliment fertigation.



Air Assist Sprayers

The Silvan range of air assist sprayers combine the proven polytuff tank, galvanised chassis and high pressure diaphragm pumps with the latest nylon curved blade fan technology for quieter operation and lower HP requirement.

These features are available on all sprayers from the 200L linkage Suntuff for small vineyards through to the 2000L trailed Supaflo.



SUNTUFF LINKAGE SPRAYER

Suntuff air assist TPL sprayers are designed specifically for small vineyards where high performance is required from low HP tractors. The linkage mounted sprayer provides better balance and is particularly suited to narrow rows and smaller properties where restricted headlands make a sharp turning radius necessary.

- 200L with 600mm fan, 400L with 700mm fan & 500L with 800mm fan
- Fan size and tank capacity can be matched to the application
- Tractor requires 25HP (minimum)
- Optional deflector for vineyard spraying



1000L COMPACT SUPAFLO SPRAYER

Feature packed with an overall width of only 1.1m for vineyards with narrow rows.

- Electric on/off controls with in-cab pressure adjustment
- Highly efficient adjustable axial flow fan
- 80L flush tank for flushing the pump, filters and spray lines
- Optional automatic spray rate controller
- Optional conveyor for vineyard spraying (pictured)



2000L SUPAFLO AIR ASSIST SPRAYER

A highly flexible and effective sprayer for use in a wide range of applications.

- Adjustable axial flow fan
- Glideflex suspension axle for a smooth ride
- Electric on/off controls with in-cab pressure adjustment
- Wide-angle PTO shaft for tighter headland turns
- Optional automatic spray rate controller
- Optional conveyor specifically designed for vineyard canopies





BNE SERIES

Best suited to medium horsepower tractors for mulching grass and light prunings with the cutting height maintained by the rear roller.

- 40 to 95 HP for green prunings up to 50mm
- 120, 150, 180, 210cm working widths
- Rear roller for height control fitted as standard



BNU SERIES

A true multi-purpose machine! Fitted with a hinged tailboard for ease of maintenance and a mulching bar to produce a fine mulch. Height control is maintained by adjustable skids.

- 40 to 125 HP for green prunings up to 90mm
- 120, 160 and 195cm working widths
- Optional rear wheels or roller



RM II SERIES

The Nobile RM II series mulchers are a robust and versatile machine with a helical blade pattern for a lower power requirement. The RM II is fitted with an opening tailboard, life greased bearings and a mulching bar to produce a fine mulch. Height control is maintained by adjustable skids.

- 50 to 130 HP for green prunings up to 100mm
- 150, 180, 210cm working widths
- Optional rear wheels or roller



VKD SERIES

A heavy duty range ideal for vineyard and orchard mulching with manual side shift, hinged tailboard and three mulching bars for excellent mulching quality.

- 50 to 100 HP for green prunings up to 75mm
- 155, 170, 190, 210 and 230cm working widths
- Height control is maintained by adjustable full width roller
- Optional hydraulic side shift

Over Row Turbomisers

Mulchers



Turbomiser Sprayers

TGS Variable Spray Technology



Silvan's Turbomiser sprayers have been developed to save time and money with air shear technology which uses up to 65% less water compared to dilute sprayers. They incorporate curved air tubes and adjustable swivelling heads to accommodate various canopy shapes. All Turbomiser over row sprayers feature independent nozzle rate control for target spraying. Automatic spray rate controllers are standard for precise application rate control.

Nobli has developed their design and manufacturing techniques since the company first made agricultural equipment in 1945. Today the company operates under the strict quality guidelines of ISO 9001 certification. Nobli mulchers are designed to get the best performance in all agricultural applications and to suit various tractor HP categories.



Hit the target with excellent plant coverage and superb pest and disease control whilst minimising chemical wastage and soil contamination.

- Air shear technology creates a narrow droplet spectrum allowing lower application rates (chemical rate remains the same)
- Lower application rates mean less tank fills and reduced downtime
- All Silvan Turbomiser sprayers are available with optional spray rate controllers for greater application rate control

Multi-row TGS uses the proven curved air tubes with multiple air assist spray outlets to easily penetrate sprawling vine canopies. Each air diffuser with dual spray nozzles features swivel adjustment and air dividers to evenly distribute the air irrespective of where the air diffuser is set.

- Individual outlet control for both air and liquid output allows target spraying (ie. spraying only fruit zone)
- Adjustable air outlet direction creates greater turbulence for improved coverage
- Flexibility to dilute or concentrate spray



STANDARD TURBOMISER

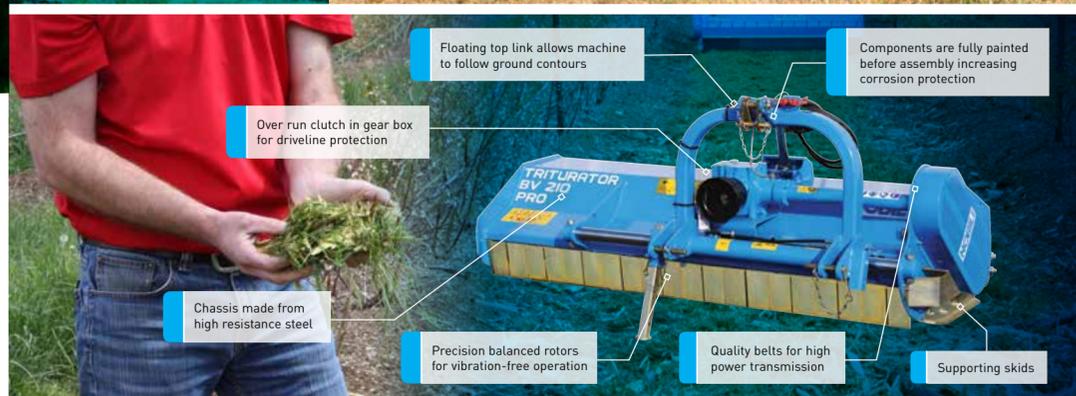
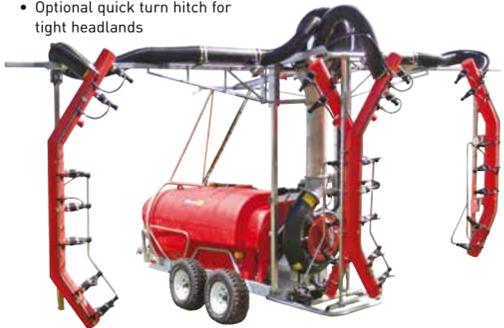
Available in either 2000, 3500 or 4000L tanks with 2 or 3 row spraying options.

- Tandem suspension axle for a stable ride
- 350L/min stainless steel hydraulic drive centrifugal pump
- Bravo 180S spray rate controller
- 550mm turbine fan
- Optional quick turn hitch for tight headlands

3000L TURBOMISER

Offers high capacity spraying in a compact tank with 2 or 3 row spraying options.

- Tandem suspension axle for a stable ride
- 205L Flush tank for flushing pump, filters and spray lines
- 350L/min stainless steel hydraulic drive centrifugal pump
- Bravo 180S spray rate controller
- 500mm twin turbine fan



Floating top link allows machine to follow ground contours

Components are fully painted before assembly increasing corrosion protection

Over run clutch in gear box for driveline protection

Chassis made from high resistance steel

Precision balanced rotors for vibration-free operation

Quality belts for high power transmission

Supporting skids



Knife and hammer blade options to suit the application

Double skin or wear plate options for increased working life

Hydraulic and manual side-shift options

Roller and wheel options for accurate height control

P42/P45 LINKAGE TURBOMISER

Offers the benefit of air shear spraying on low HP tractors.

- 400L tank with 420/450mm turbine fan
- Electric on/off controls on low HP tractors
- P42: Double sided vineyard head
- P45: 4 outlet vineyard head
- Tractor requires 35HP (minimum)



P50 LINKAGE TURBOMISER

A popular choice for linkage air shear sprayers with multiple converging air streams creating greater air turbulence.

- 600L tank with 500mm turbine fan
- Electric on/off controls
- 4 outlet vineyard head
- Tractor requires 55HP (minimum)



2000L P50 TRAILED TURBOMISER

The popular trailed sprayer choice with the combination of low volume spraying and larger tank capacity.

- 2000L tank with 500mm turbine fan
- Electric on/off controls
- 4 outlet vineyard head
- Glideflex suspension axle for a smooth ride
- Tractor requires 55HP minimum



P50 OVERROW TURBOMISER

Provides the efficiency of multi-row air shear spraying in a compact linkage sprayer.

- 600L tank with 500mm turbine fan
- Electric on/off controls
- 4 outlet two row vineyard head
- Independent hydraulic folding
- Tractor requires 55HP (minimum)



STANDARD TGS

Available in either 2000, 3500 or 4000L tanks with 2 or 3 row spraying options.

- Tandem suspension axle for a stable ride
- 500mm twin turbine fan with optional galvanised snorkel to minimise dust and debris uptake
- Optional automatic spray rate controller
- Optional quick turn hitch for tight headlands



3000L TGS

A compact sprayer for tighter headland turning with 2 or 3 row spraying options.

- Tandem suspension axle for a stable ride
- 500mm twin turbine fan with optional galvanised snorkel to minimise dust and debris uptake
- 205L flush tank for flushing pump, filters and spray lines
- Optional automatic spray rate controller



THE NEXT GENERATION TURBOMISER

The Silvan Centrifugal Remote Air Module (SCRAM), combines the unparalleled coverage and water savings, of Silvan's Turbomiser technology, with the efficiency and safety advantages of a cutting edge hydraulic drive system, to create the next generation in ultra-efficient crop protection.

- Turbomiser technology eliminates nozzle wear and produces a narrow droplet spectrum for excellent coverage and more efficient chemical use.
- Top mounted fans eradicate leaf blockages and fruit damage.
- Hydraulically driven centrifugal pump means PTO can be disengaged during refilling and agitation, for increased operator safety.

Technical Specifications	
Tank Capacity	2000L, 3500L, 4000L (G2E & G2)
Controls	Bravo 180S automatic spray rate controller
Axle	Tandem suspension
Fan	320mm centrifugal fan fitted to every 'Wrap' tube
Tractor HP	Minimum 60 PTO HP

Turbo SCRAM Technology



- Hydraulic boom open and closing
- Rollers for row width adjustment
- Galvanised RHS steel frame and chassis
- Centrifugal fan designed to create even air distribution
- German engineered high speed fan for low noise and increased efficiency
- Hydraulic motor isolated from air stream
- Fans draw air from 2m high, ensures no fruit 'sandblasting' and no leaf blockages
- Marine grade anodised aluminium exoskeleton for increased strength
- Individual nozzle rate control for target spraying
- Multiple high velocity air streams eliminate shadowing for optimal coverage
- Silvan 'Wrap' tube to create turbulence in the canopy
- Centrifugal pump for ease of maintenance
- Tandem axle for increased stability



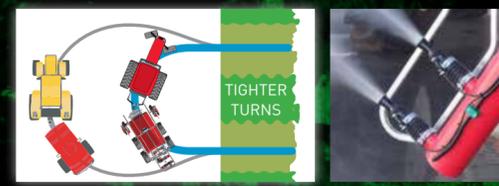
High performance hydraulic drive centrifugal fans are engineered to provide the high air velocity for optimum spray coverage



Fan hydraulic motor is isolated from the airstream meaning no chance of oil contamination if seals are compromised



Hitch mounted hydraulic powerpack means PTO is protected and maneuverability is increased



Vineyard Maintenance



OVERROW TRAILED HERBICIDE SPRAYER

A fast and efficient under vine & mid row herbicide sprayer which covers three rows in one pass.

- Air induction nozzles with shielded spray heads and brush skirts for drift control is available in 2000, 3000, 3500, or 4000L capacities
- Left and right hydraulic fold with manual height adjustment
- Adjustable to match row widths from 2.5 to 3.6 metre
- Optional automatic spray rate controller, hydraulic vertical lift for undulating or terraced vineyards
- Optional hydraulic drive centrifugal pump



MEKFARMER 80 POWER HARROW

Features include phased rotors, robust gearboxes and gear drives. Selected models have a combination seeder option for tillage and seeding in one pass.

- 80HP single speed gearbox (540 RPM)
- Levelling bar standard and floating side shields
- Phased rotors - 200mm pitch
- Headstock centre mounted
- 1.1 - 1.9m working widths
- 1 3/8" 6 spline PTO with slip clutch



VINEBOSS TWIN ROTOR SLASHER

Galvanised twin rotor slasher designed for applications requiring side throw displacement. Provides a simultaneous, left & right side throw of cuttings to the underneath of canopies, providing nutrients, assisting weed control & helping to retain moisture.

- 6', 6'6", 7' and 7'7" cutting widths
- 90 HP triple gearbox drive line
- Side plates when rear delivery is required
- Dual height control wheels as standard



Spreaders



DCM[®]
Dal Cero Metalworking

The DCM range of twin disc fertiliser spreaders are specifically designed for accurate spreading in both banded and broadcast applications. These spreaders have the added benefit of a stainless steel hopper, along with all spreading components for a long working life. When fitted with the optional two sided conveyor, spreaders can band in 2-5m row widths.



CA/W SPREADER

This model is ideally suited to narrow row widths.

- 600 and 800 litre capacities
- 10-18 metre spread width
- 1100mm wide
- Non-corrosive stainless steel hopper
- Optional two sided conveyor for banding

CA SPREADER

The CA is a higher capacity spreader for larger vineyards.

- 900, 1200, 1500 and 2000 litre capacities
- 10-24 metre spread width
- 1800-2200mm wide
- Non-corrosive stainless steel hopper
- Optional two sided conveyor for banding



OSCILLATING SPREADER

Designed for precise application of fertiliser and seed at medium to low rates. It applies product accurately from 5 to 14 metres depending on material being spread as well as left or right hand banding.

- 400, 800 and 1000 litre capacities
- 5 - 14m spread width
- Non-corrosive polyethylene hopper
- Oscillating tube is equipped with agitator

Note: Banded spreading will still allow some product to spread in centre

Silvan

Rate Controllers



For increased spraying efficiency, various technology options such as automatic spray rate controllers, in-cab electric controls and GPS guidance systems are available.

BRAVO 400S

The Bravo 400S is a highly flexible combination of GPS guidance, automatic section control and accurate rate control.

- Controls up to 7 spray sections and 7 hydraulic functions
- High resolution 5.7" colour display
- SD card for storing work reports



BRAVO 180S SPRAY RATE CONTROLLERS

Monitors: Area, distance, quantity of liquid sprayed, working time, flow rate.

- Automatic adjustment of application rate by measuring flow rate and speed
- Bravo 180S Horticulture controls up to 4 sections
- USB for storing work reports
- Optional GPS input for application rate mapping



IBX100 ISOBUS SPRAYER CONTROLLER

An ISOBUS compatible controller designed to integrate with tractor terminals such as John Deere® and Topcon®.

- Utilises existing ISOBUS compatible tractor terminal for spray rate control and automatic section control
- Controls up to 13 spray sections, 9 hydraulic controls



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