

www.silvan.com.au

Silvan

GE
SUPA+LO

Next generation orchard sprayer



Standard with the Powerhead® conveyor



The next generation

With improved spray performance, lower horsepower requirements and a new low profile, the Supaflo G2 air assist sprayer is Silvan's response to grower's call for greater efficiency and a safer workplace.

Conclusions reached from the consultation with growers was that they wanted a sprayer which was highly efficient and accurate with easy to use new features and recognised the importance of occupational health and safety.

Featuring a next generation axial fan with curved blades, the sprayer is more efficient, quieter in operation and has a lower horsepower requirement. Airflow can be fully adjusted by altering the pitch of the blades or the gear ratio so the airstream can penetrate and fill the canopy.

The sprayer can be fitted with the new Powerhead or range of Radak conveyors to match your crop, canopy, shape and height.

Available in 2000 and 4000 litre capacities, the new tank has been redesigned to be more compact. The overall height is 15% lower than Silvan's other sprayers of equivalent capacity,

and chemical transfer equipment and other features have been recessed to reduce the risk of snagging on fruit and branches.

A central operator's station has been added at ground level so tank filling, emptying and most maintenance operations can be performed safely and efficiently. Chemical transfer equipment is housed in a drawer that slides away and locks in place.

Further efficiencies are evident with the inclusion of a wireless remote key pad to operate the modular electric valves and give greater control over spray output. The key pad can be mounted in the tractor cab or taken to the sprayer to test valve operations without the need for a second operator.

Supaflo G2 is built to last with a longer lasting galvanised chassis and has an optional quick turn hitch for extra manoeuvrability and a tighter turning radius.

Rigorously tested in the field by both growers and engineers, the Supaflo G2 is a must have piece of equipment for any modern orchard.





CENTRAL OPERATOR'S STATION

A central operator's station at ground level is designed for improved efficiency.

Keeping operator safety in mind, Silvan has located the key maintenance and filling points at the front left side of the sprayer at ground level.

The chemical induction drawer is located here along with taps to fill, flush and empty the tank and a hand wash tap. The diaphragm pump has plenty of accessible room for ease of servicing. Filters and a tank level indicator are conveniently located next to the pump.



CHEMICAL INDUCTION DRAWER

When you need to mix and transfer chemicals Silvan's chemical induction drawer does it safer and easier.

Located conveniently at the central operator's station, the chemical induction drawer slides out for powder, granular and liquid chemical formulations to be mixed and transferred to the main tank safely. The venturi filling system means chemical containers do not need to be lifted above head height, reducing the chances of spillage and splash onto the operator.

Individual chemical induction taps control liquid flow, venturi suction and main tank rinse nozzle.

When the chemical transfer process is complete, the drawer slides away and locks in place so it is protected from branches and other obstructions.



FLUSH TANK

Polytuff tank with top fill used to flush pumps, filter, spraylines and nozzles. 135L for 2000L model. 330L for 4000L model.



QUICK TURN HITCH

Silvan's optional quick turn hitch is ideal for tight turns and extra manoeuvrability. It decreases the turning radius enabling the driver to make a tighter turn at the end of each row.

HAND WASH TANK

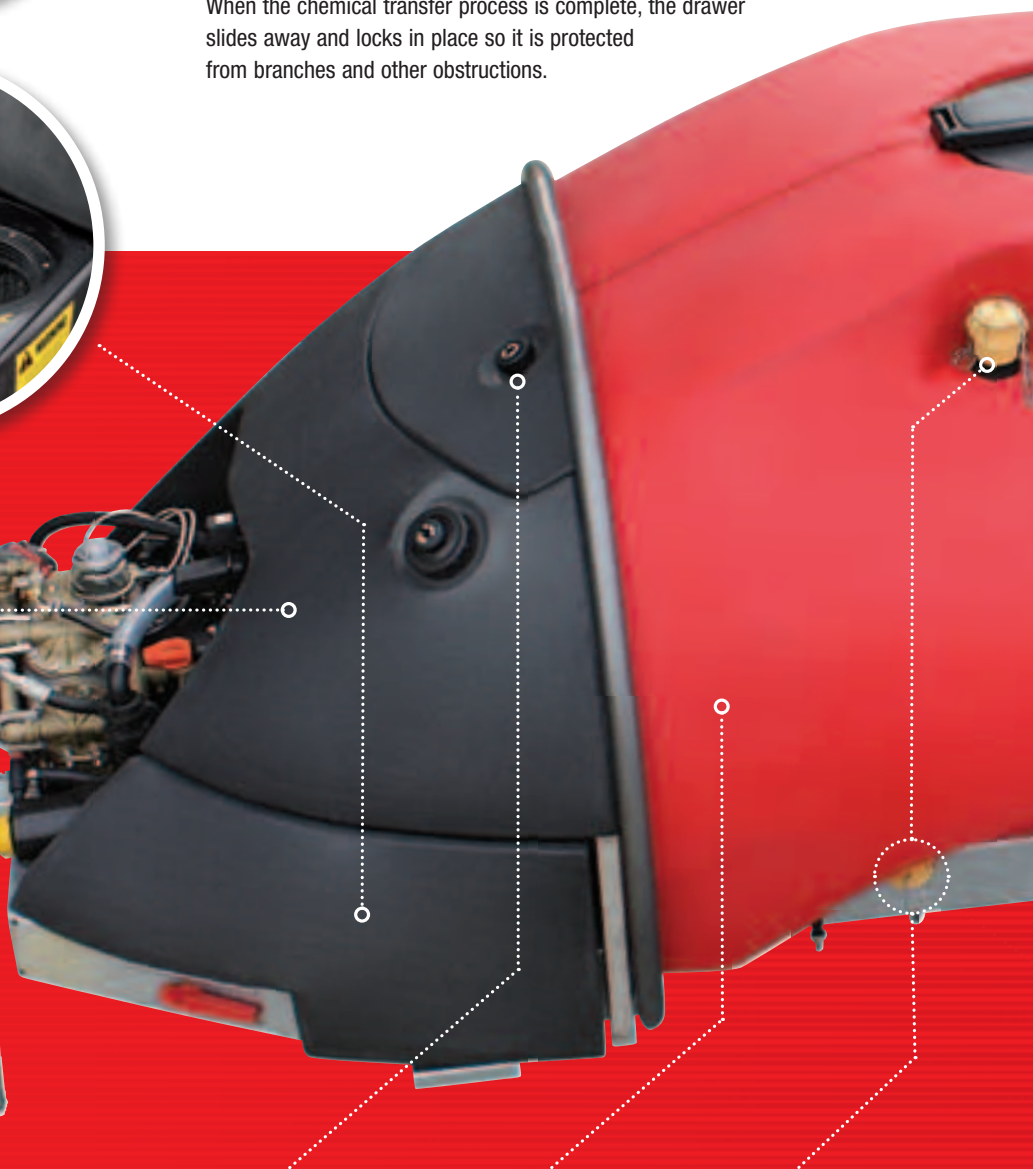
50 litre fresh water hand wash tank with easy to use lever tap.

TANK CAPACITIES

Available in 2000 and 4000 litre capacities.

FILL POINTS

Fast water reloads are easy in any situation. Use the bottom fill inlet or top gravity fill inlet via 2" camlock fittings.



SPRAY PUMP WITH REMOTE VALVE CONTROL

At the heart of the Supaflo G2 is a specialised Silvan IDS diaphragm pump. Built to last, the pump has brass heads and manifolds and nitrile diaphragms encased in an alloy body. With the exception of the diaphragm and valves, all moving parts are immersed in a complete oil bath providing total protection against chemical corrosion ensuring a long service life, minimum maintenance and high performance.

The Supaflo G2 comes with three pump size options - the IDS 1701 with a maximum output of 161 l/min at 50 bar maximum pressure, the IDS 2001 with a maximum output of 182 l/min at 50 bar maximum pressure, and the more powerful IDS 2600 which has a maximum output of 249 l/min at 50 bar maximum pressure.

Another innovation on the Supaflo G2 is the use of modular Geoline electric valves to give greater control over spray output. A wireless GeoAtom remote key pad provides section control for the left and right side of the sprayer and allows pressure adjustment. The remote keypad can be mounted in the tractor cab or taken to the sprayer to test valve operations without the need for a second operator.

IMPROVED FAN EFFICIENCY

A next generation axial flow fan designed with curved reinforced nylon blades provides an even airflow to both sides of the sprayer. The curved blade shape substantially increases fan performance while using less horsepower resulting in greater canopy penetration and spray coverage.

Adding to the fan efficiency, blade pitch can be easily adjusted to obtain the desired performance from the machine.

HEAVY DUTY 2 SPEED GEARBOX

The two speed gearbox with neutral position incorporates a new detent system which enables gears to align smoothly when the operator changes gear speed.

WHEEL EQUIPMENT

Standard with the patented Glideflex suspension system and implement tyres. This ensures a smooth ride whether the tank is full or empty and helps minimise soil compaction in the wheel tracks. Optional Simplicity tandem axle and other wheel equipment options are available including lug tyres (pictured).



POWERHEAD® CONVEYOR

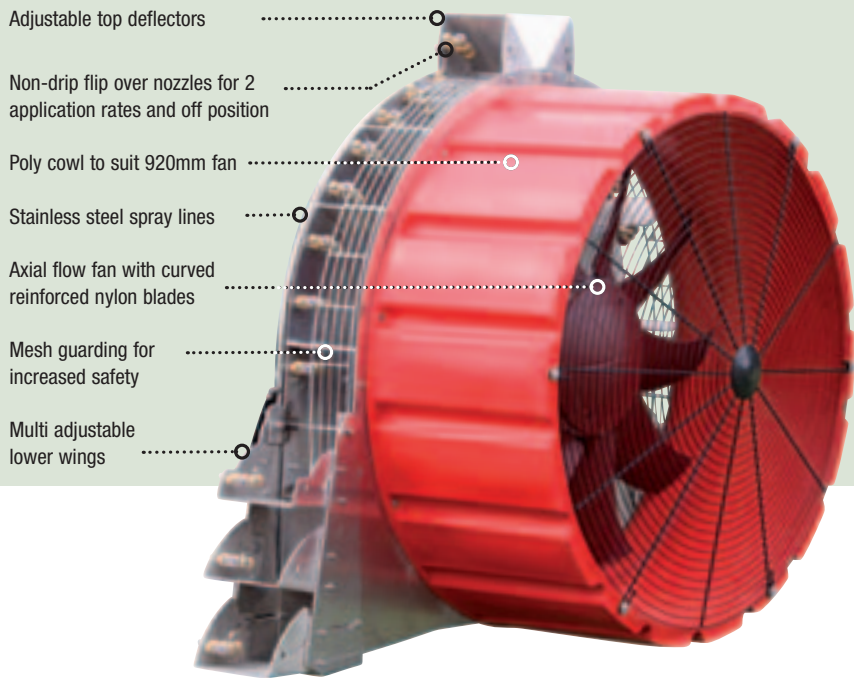
Silvan's Supaflo Powerhead® air delivery system is a revolutionary and efficient conveyor that helps produce an adjustable spray-laden air stream to match the shape and height of the canopy. It has been designed specifically for tree crops and will suit crops such as apples, pears, almonds and stone fruit which have low canopies.

The new design features internal vanes which direct the airstream into the canopy and maximise the fan's output without the need for straightening vanes in the fan's cowling. The result is a quieter operation with less tractor horsepower required.

The small top wings direct air from the fan into the canopy rather than allowing it to escape into the atmosphere. This aids in minimising the potential for spray drift from the unit.

The lower wings direct airflow from the Powerhead® into any shaped canopy from underneath, opening up the interior for efficient spray penetration and when combined with 12 nozzles per side, make almost any application rate achievable.

By directing airflow into both the upper and lower regions of the target canopy the spray laden air is drawn into the centre through a venturi effect. The result is deeper and more even canopy penetration on both sides of the leaves while avoiding damage to fruit or blooms.



RADAK® CONVEYORS

Growers with taller crop canopies may prefer the Radak® conveyor which comes in four main options to suit different canopy shapes and sizes.

Just as the Powerhead's patented air volute design maximises the use of the airflow generated by the 920mm fan, the Radak ensures thorough coverage of the targeted canopy by directing airflow into the foliage from underneath via the bottom wings. The venturi effect opens up the tree canopy to aid spray penetration and coverage.

Silvan's Radak® conveyor is ideal for tall tree crops throughout Australia such as macadamias, avocados, mangoes, olives, citrus, lychees and almonds.



POWER RADAK

Row width: Up to 6 metres
Tree height: 3 - 4 metres



RADAK

Row width: Up to 10 metres
Tree height: 5 - 6 metres



TALL TOP RADAK - STD BOTTOM WINGS

Row width: Up to 10 metres
Tree height: Up to 10 metres



TALL TOP RADAK - WIDE BOTTOM WINGS

Row width: Up to 12 metres
Tree height: Up to 10 metres

bravo180

OPTIONAL RATE CONTROLLER

Bravo 180 horticultural controller is a compact and easy to use spray rate controller that ensures constant and precise product delivery.

- Automatic adjustment of spray application rate by measuring flow and speed
- Control of up to 4 sections
- Displays of spray rate (l/ha), speed, area, sprayed quantity, tank level, flow rate (l/min), field number, operating time and covered distance



OPTIONAL BRAVO CONTROLLERS WITH ULTRASONIC TREE SENSORS

The Bravo 130 and 140 are the new generation in spray controllers designed to reduce chemical use and save time and money with less tank refills.

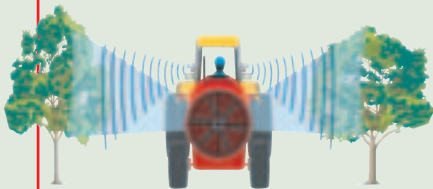
The controllers work in conjunction with ultrasonic sensors mounted at the front of the sprayer. These sensors detect the tree canopies or trunks which enables the Supaflo to only spray the target and not the spaces in between.

The controller also monitors the speed travelled, and gives an accurate record of the area sprayed, number of sprayed trees and rate of application for spray diaries.



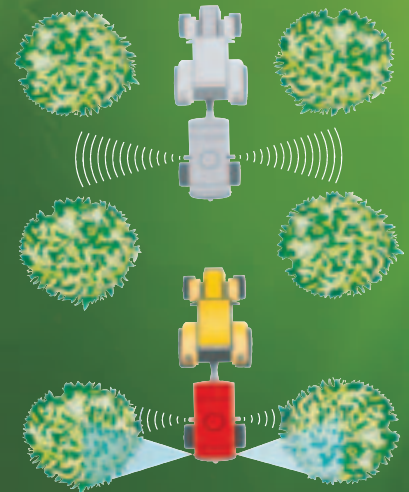
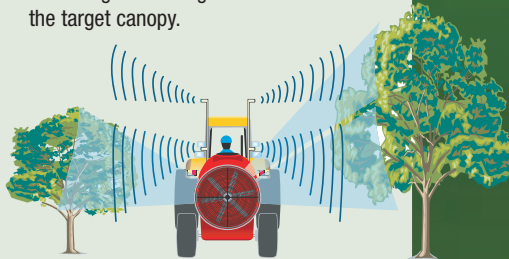
bravo140

The Bravo 140 controls up to 2 ultrasonic sensors and 2 sections



bravo130

The Bravo 130 controls up to 4 ultrasonic sensors and 4 sections. As well as tree detection, this model also enables spray management according to the height of the target canopy.



SILVAN AUSTRALIA PTY. LTD. ABN 48 099 851 144
Silvan reserves the right to change specifications without notice
Website: www.silvan.com.au www.silvannz.co.nz

Head Office. 244 - 264 Greens Road, Dandenong, VIC 3175
W.A. 12 Cressall Road, Balcatta, WA 6021
QLD. Unit 5, 25 Industrial Crescent, Willawong, QLD 4110
N.Z. 22 Sunshine Avenue, Te Rapa, Hamilton, N.Z. 3241
International Contact

Tel: 1300 745 826

Fax: 1800 745 826

Tel: (07) 849 6030

Fax: (07) 849 6070

Tel: +61 3 9215 2700

Fax: +61 3 9215 2701

Your Local Dealer