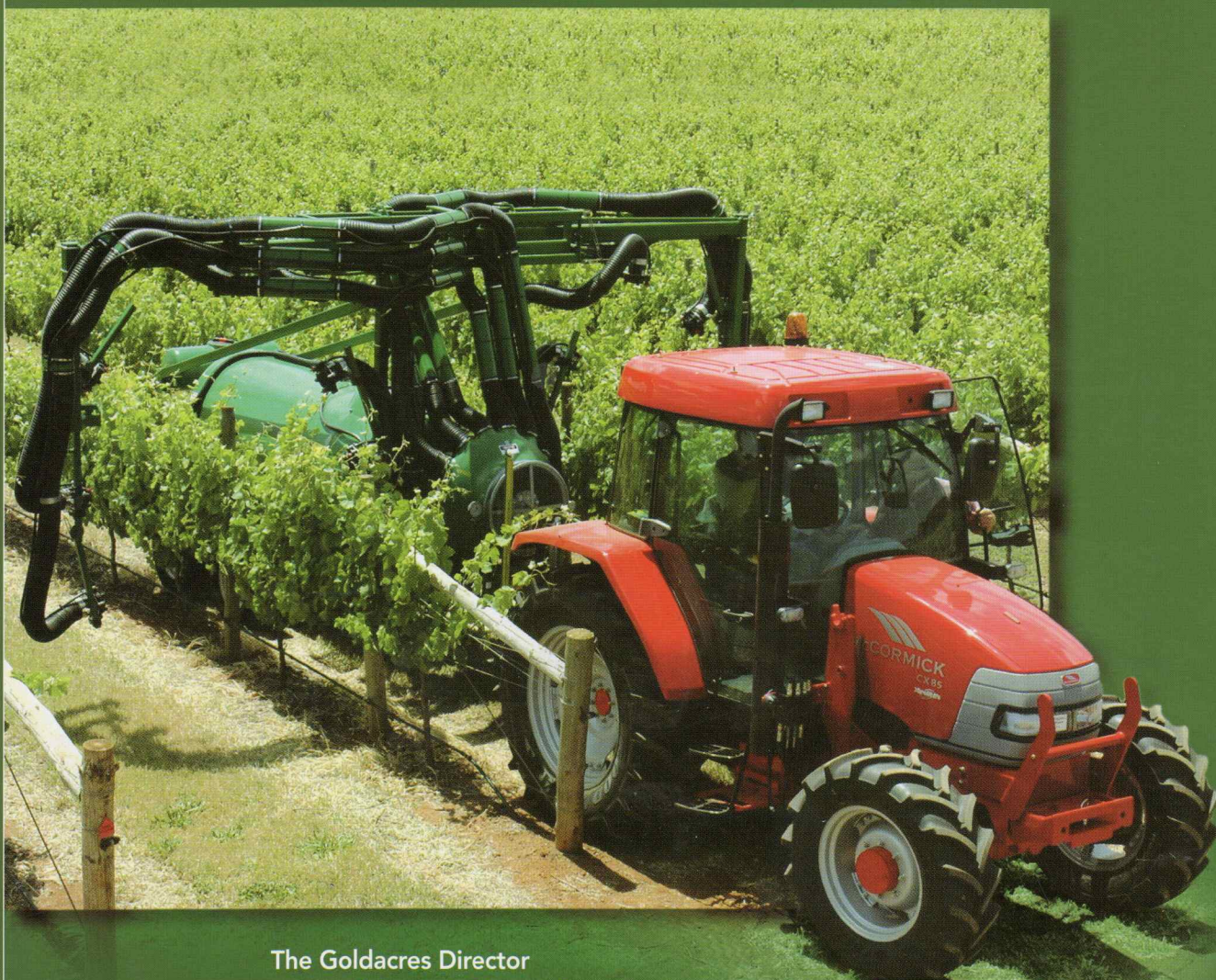
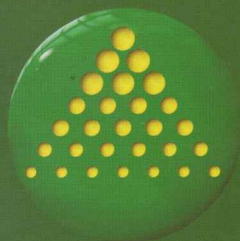


## DIRECTOR VINE AND TRELLIS SPRAYERS



The Goldacres Director range of single to 3 row vine and trellis sprayers are the answer for growers who are serious about the best. Goldacres Director has all the features to lead the way in total control and spray efficiency.



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## Besco Manifold

The unique Goldacres Besco manifold allows the air flow to be customised to suit the growth stage of the plant as well as variation in trellis heights. Outlets can be angled forwards and backwards to hit the canopy from different directions, to avoid the canopy thatching common to many air blast systems. The over-row machines are built in a three row configuration as standard, saving you time and money in the early stages of plant growth, and can be quickly converted into two row coverage during conditions of heavy foliage.



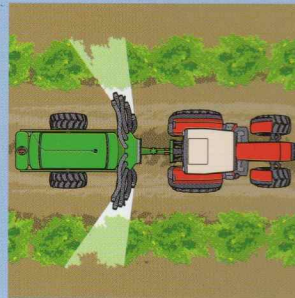
- A fresh water/flush tank is fitted as standard equipment. As well as being an important safety feature, this also is a simple means of flushing chemicals from the pump and control valves immediately.



- Optional steering tandem axle assembly minimises skidding on end of rows. Reduces track width by fitting wheels inside tank edge or allows larger tank capacity to be used.



- Unique mounting and turning pivot allows tighter turning while maintaining direct PTO alignment.



- Greater contact area due to spray angle being diagonal to rear. Air stream directed to rear covers both sides of leaves.



- Efficient low, maintenance hydraulically driven fan: Gives excellent canopy penetration without requiring high tractor horse power. Eliminates drive-through shaft, gearbox and V-belts.

- Only quality components are used, including Udor diaphragm pumps which can be run dry without damaging the pump, and highly efficient filtration systems mounted conveniently for easy cleaning.



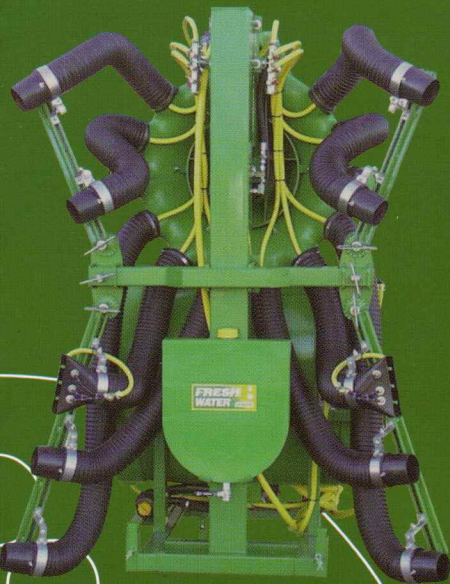
- Aventuri operated chemical probe is standard equipment to eliminate the need to add chemical via the tank lid. An optional chemical induction hopper may also be fitted for drum rinsing and easy chemical measuring and transfer.



## DIRECTOR VINE AND TRELLIS SPRAYER



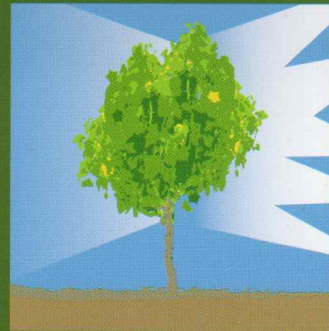
- 3PL Spayer available in 400 and 600 litre.



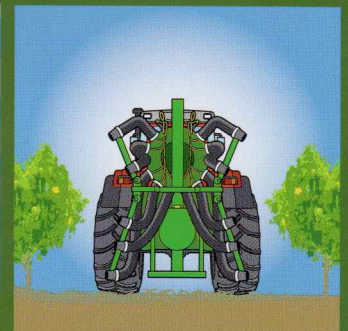
### Common problems when spraying vineyards



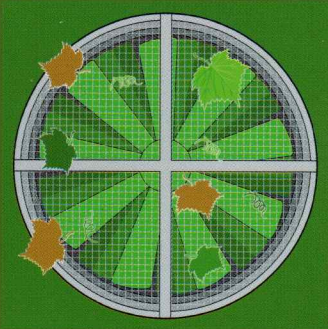
Too much air pressure has a number of problems. "More is better" is an old fashioned approach to vineyard spraying but it is wasteful and expensive. Another major problem is leaf thatching. This is when leaves are blown together, creating an impregnable barrier that stops chemicals getting to the target.



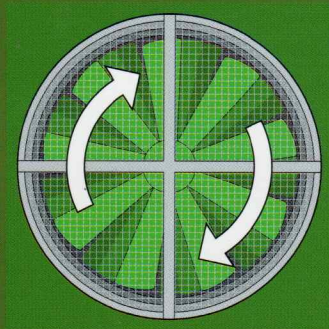
Too much fan speed will force chemical-laden air through the canopy and land on non target areas, reducing the amount of chemicals applied to the canopy.



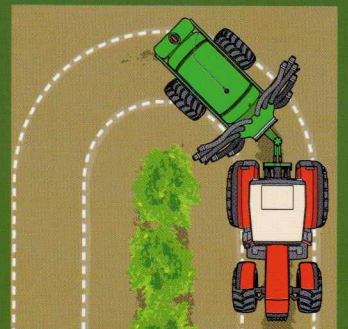
Precision spraying is the key word. Gone are the days of pumping gallons of chemicals into the air and drowning the target. This "hit and miss" attitude has been replaced with precise spraying directed at the target, controllable speed with reduced drift and minimal waste.



When selecting a sprayer, efficient fan design is critical. Fans close to the ground can suck dead leaves and debris onto fan face, dramatically reducing performance, while rearward facing fans suck in spray drift affecting the application efficiency.



Controlling fan speed is important. This enables you to keep spray on target. A well designed fan, which runs with minimum horse power requirement, will need much less maintenance of drive line components and operates with less noise.



Turning is important. Tight, difficult turns at the end of rows can use up a large amount of spraying time. A turntable hitch which permits tighter turning, speeds up spraying where there are narrow plantings or boundaries near the end of rows.

## DIRECTOR VINE AND TRELLIS SPRAYER

### Efficient chemical distribution

As the name implies, the "Director" sprayer deposits chemical accurately on the target. The air spouts can be simply adjusted to suit any shape canopy or any variable planting width. Chemical laden air is directed into the canopy from underneath, alongside and above the canopy. Most importantly air speed can be adjusted to suit differing canopy stages. Too much air speed and volume cause drift, runoff and leaf thatching.

By being able to alter air speed independently from pump speed it is possible to provide the precise amount of air required for the most accurate application.

A frequent comment from observers is that the spray from the Director sprayer disappears into the canopy. Runoff or through canopy spraying losses are minimised.

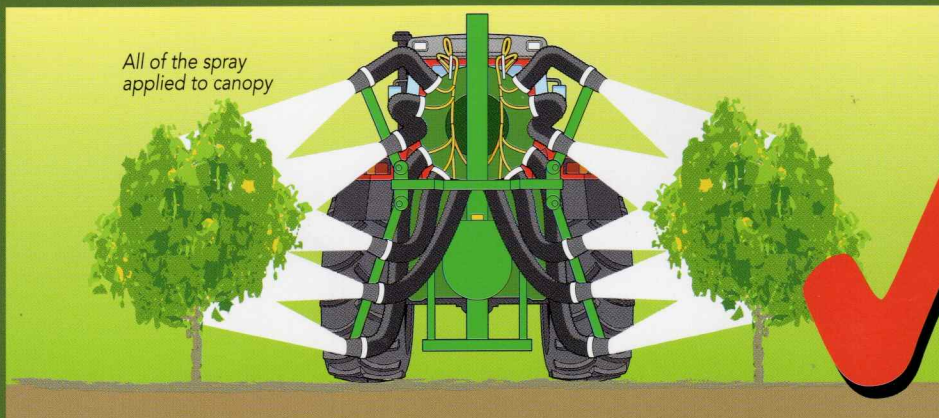
For efficient spraying it is imperative to contain the spray within the canopy. Spray being blown through the canopy is wasteful and environmentally unsound.

The versatile Director sprayer can be used for low, medium or high volume spraying. For early preventative spraying at bud burst, air speed and volume can be reduced or turned off completely. The Director sprayer does not require air to produce droplets.

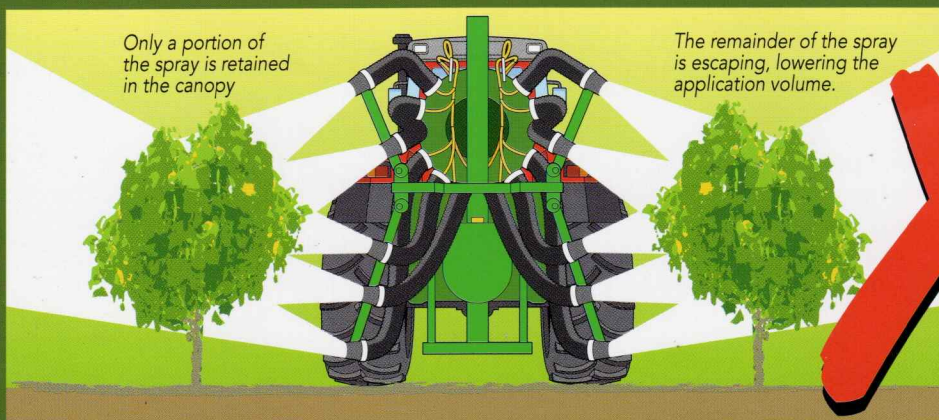
A directional manifold with individual taps to each nozzle makes it easy to switch off any nozzles not required for early spraying.

Spraying Systems TX ceramic nozzles are used to provide uniform small droplets with minimal driftable fines.

An encircling manifold with 5 nozzles surrounds each air outlet providing excellent coverage. This also gives the operator a very simple means of adjusting application rates and, most importantly, total control of droplet sizing. Each nozzle is attached by a snap-on cap for quick removal.



This is the correct method for replacing the air in the canopy with chemical laden air. It is important to set the hydraulic valve to minimise chemical laden air escaping from the canopy.



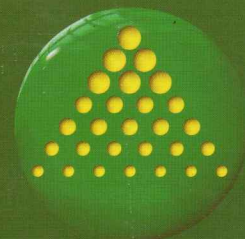
This method is incorrect. A fan speed set too high will force chemical laden air through the canopy and land on non target areas reducing the amount of chemical applied to the canopy.

## DIRECTOR VINE AND TRELLIS SPRAYER

### DIRECTOR SPECIFICATIONS

	400Lt & 600Lt 3PL	SINGLE ROW 1000Lt & 1200Lt	SINGLE ROW 2500Lt & 3000Lt	TRIPLE ROW 2000Lt & 4000Lt
PTO pump 85 LPM	●			
PTO pump 130 LPM		●	●	
PTO pump 160 LPM				●
Flushwater tank 15Lt	●			
Flushwater tank 100Lt		●	●	●
Venturi agitator	●	●	●	●
Chemical probe	●	●	●	●
2 way elec boom control + elec pressure regulator	●	●	●	●
11.5/80 x 15.3 wheels		●		
12 x 24 wheels			●	●
Besco manifold	●	●	●	●
Telescoping booms				●
Hydraulic fan	●	●	●	●
Convert easily to Double row use				●
Tandem axle option				●

YOUR LOCAL DEALER



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The pictures and information in this publication are a general guide only and GoldAcres reserves the right to change specifications without notice. Sprayer weight must be calculated and matched only to a tractor or vehicle of sufficient safe lifting, carrying and towing capacity. Should you purchase the item of equipment, this publication does not form part of the contractual arrangement with GoldAcres. The purchase of any item of equipment is subject to GoldAcres terms and conditions of sale.

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