

# HORTICULTURE SPRAY RANGE



BUYERS' GUIDE • 2026

[CROPLANDS.CO.NZ](http://CROPLANDS.CO.NZ)

CROPLANDS IS COMMITTED TO A SUSTAINABLE FUTURE



# OUR STORY

For over 50 years, Croplands has been proudly helping New Zealand growers to protect their valuable crops. With an unwavering commitment to produce spraying equipment that is efficient, reliable and engineered to endure, Croplands is always seeking to save you time, reduce your costs and maximise your productivity.

Our very first sprayer was delivered to an orchard over 50 years ago. Since then we've grown a lot, expanding our range to cover all types of tree, vineyard and berry crops.

Our growth is reflected in the success of our customers. When they are able to protect their crop with a sprayer that's efficient, thorough and reliable, they thrive. Because we understand this, Croplands sprayers are a common sight on orchards and vineyards right across New Zealand.

And because our range is as diverse as the crops grown throughout the country, there's a machine to match every growers' needs.

Croplands are committed to product development, innovation and new technologies.

Croplands has introduced Kilter's autonomous robot AX-1 to vegetable farmers. The AX-1 uses patented single drop technology to apply herbicides only to weeds, giving vegetable growers an exciting sustainable option to their spray program. Croplands is now the New Zealand distributor of H.S.S multi row orchard sprayers, a range of sprayers designed for orchard crops. We're very excited to bring these innovative products to you.

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# PROVEN COVERAGE AND TESTING

**The Croplands premium fan range delivers unparalleled coverage, performance, and reliability. This is backed by New Zealand's leading fruit growers as they continue to use our sprayers to protect their high-value crops.**

When it comes to pest and disease in your orchard or vineyard, spray coverage and performance efficiency are key to your success.

All our air-blast fans are engineered by Fieni, a global leader in agricultural fan design, manufacturing and innovation.

Croplands and Fieni have been collaborating since 1972 and together we set a new standard for fan sprayer performance, efficiency, penetration, and coverage. And, with Fieni fans available from 615mm in diameter to 1060mm, there's a model to meet your orchard's needs.

Croplands Tower and Vineyard sprayers are fitted with Quantum hydraulic drive fans. Quantum Fans are available in 420mm and 500mm diameter models, allowing for multiple-head configurations to target crops more directly.

## **Want more proof as to why Croplands fans are the best on the market?**

Croplands dealers and sales staff love nothing more than demonstrating our market-leading fans and sprayers in the field – especially in conditions unique to you.

Contact your dealer now and let us show you that the proof is in the coverage.

The Quantum fan design delivers excellent spray coverage at higher travel speeds, allowing growers to enjoy exceptional efficiency while reducing costs.

In addition to designing and building sprayers, we continually field test our sprayers to validate their performance.

We work with independent industry experts and are guided by their recommendations. These learnings improve sprayer set up and performance for our customers.

Whether it be our iconic Quantum 420 and 500 hydraulic drive fans or our Fieni air blast spray fans, a Croplands representative or qualified dealer will match the right model sprayer to your unique requirements.

## Orchard sprayer selection guide

| CROP TYPE                   | ORCHARD TOWER | LINEAR TOWER | HSS | CROPLINER SLIMLINE | HYBRID SPRAYER | AVOLINER | KIWILINER | CROPAIR LINKAGE & TRAILED | BERRY PRO | ROBOTICS PLUS PROSPR |
|-----------------------------|---------------|--------------|-----|--------------------|----------------|----------|-----------|---------------------------|-----------|----------------------|
| LARGE TREES                 | P16           |              |     |                    | P18            | P21      |           |                           |           | P10                  |
| AVOCADO                     |               |              |     |                    |                |          |           |                           |           |                      |
| MEDIUM / DENSE TREES        |               |              |     |                    |                |          |           |                           |           |                      |
| CITRUS                      |               |              |     | P19                | P18            |          |           |                           |           | P10                  |
| NUTS                        |               |              |     | P19                | P18            |          |           |                           |           |                      |
| MEDIUM TREES                |               |              |     |                    |                |          |           |                           |           | P10                  |
| APPLES, STONE AND PIP FRUIT | P16           | •            | P24 | P19                |                |          |           |                           |           |                      |
| OLIVES                      | P16           |              |     | P19                |                |          |           |                           |           |                      |
| PERGOLA                     |               |              |     |                    |                |          | P20       |                           |           |                      |
| KIWI FRUIT                  |               |              |     |                    |                |          |           |                           |           |                      |
| BUSH AND TRELLIS            |               |              |     |                    |                |          |           | P15                       | P22       |                      |
| BERRIES                     |               |              |     |                    |                |          |           |                           |           |                      |

## Vineyard sprayer selection guide

| VINEYARD SIZE | ROBOTICS PLUS PROSPR | QUANTUM VINE PRO | QUANTUM SINGLE ROW | QUANTUM LINKAGE |
|---------------|----------------------|------------------|--------------------|-----------------|
| CORPORATE     | P10                  | P12              |                    |                 |
| CONTRACTOR    | P10                  | P12              |                    |                 |
| LARGE SCALE   | P10                  | P12              |                    |                 |
| MEDIUM SCALE  |                      | P12              |                    |                 |
| SMALL SCALE   |                      |                  | P14                |                 |
| BOUTIQUE      |                      |                  | P14                | P15             |
| NARROW        |                      |                  | P14                | P15             |

# NOZZLES

**Croplands is the exclusive distributor for AlbuZ nozzles. At Croplands we continue to test different nozzle types to ensure your sprayer has the best suitable nozzle to maximise coverage and minimise off target drift.**

## ALBUZ ATI-40, 60, 80

ATI's are ISO colour coded in accordance with International flow rate standard colour coding.

Hollow cone nozzle available in 40, 60 or 80-degree spray angle.

Pressure range between 5-25 Bar. Recommended pressure at 10-Bar.

Fine to very fine droplet spectrum.

Ideal for fungicides and insecticides for tree, vine and trellis crops.



## ALBUZ ATR-60 and 80

These nozzles have the same specifications as above but are NOT colour coded to ISO flow rate standards.



## ALBUZ TVI-80

ISO colour coded in accordance with International flow rate standard colour coding.

Air-induction hollow cone nozzle with venturi system.

Available in 80-degree spray angle.

Pressure range between 3-20 Bar. Recommended pressure at 10-Bar.

Coarse to Ultra Coarse droplet spectrum for maximum drift control.

Ideal for fungicides and insecticides in densely vegetated tree, vine and trellis crops.



## ALBUZ ATF-60 and 80

Full cone nozzle available in 60 and 80-degree spray angle.

Pressure range between 3-20 Bar. Recommended pressure at 10-Bar.

Fine to Very Fine droplet spectrum.

Ideal for fungicides and insecticides in densely vegetated tree, vine and trellis crops.



## Disc and core ceramic hollow cone

Hollow or Full cone nozzle options.

Pressure range between 3-20 Bar. Recommended pressure at 10-Bar.

Spray angles from 20-degrees to 105-degrees.

Very Fine to Fine droplet spectrum

The combinations of discs and cores allow a wide choice of uses and applications.



# SPRAY CONTROLLERS

## HV2400

For customers looking for a basic spray rate controller.

2 or 4-section solenoid control suitable for Croplands air-blast model sprayers.

L/ha and L/100m capability with up to 10 pre-set jobs (rates and row widths).



## BRAVO 180S

For customers wanting a mid-range spray rate controller with more capability.

Up to 4-section control of motor valves or solenoids.

L/ha and L/100m capability with up to 10 pre-set jobs.

1 x RPM sensor input and fan speed control capable.



## IBX 100 ISOBUS

For the progressive customer operating an ISOBUS compatible tractor or transitioning into ISOBUS compatible machinery.

\*If not using an ISOBUS tractor a Virtual Terminal (Display screen will be required).

Up to 8-section control valves with 9 x hydraulic functions.

L/ha and L/100m capability with up to 24 pre-set jobs.

Advanced capability to monitor and operate all advanced sprayer functions.

Optional joystick control, optional section control (requires GPS receiver).

## TOPCON TERMINAL

(and Mapping package.)

For the progressive customer wanting ISOBUS without a compatible tractor.

IBX-100 ISOBUS ECU controller with addition of the TOPCON virtual terminal screen. The TOPCON package can now have additions of coverage mapping and section control.

Topcon XD 7-inch colour touch screen as virtual terminal.


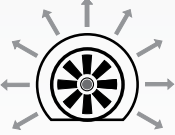
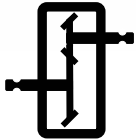
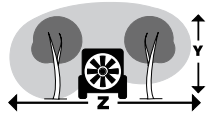
\*Can be upgraded to 10-inch.

ISOBUS module and required looms.

GPS receiver.



# FIENI FANS

|  | 815 VPL FAN  | 820 DSV FRONT ENTRY (FE) FAN | 920 LINEAR TOWER (LT) FAN | 920 DSV FAN | 1060 DSV FAN |              |        |
|--|--|------------------------------|---------------------------|-------------|--------------|--------------|--------|
| ORDER CODE   | KH-5026  | KH-5023                      | KH-5037                   | KH-5035     | 1060 DSV FAN |              |        |
| <b>9-BLADE FAN</b>   |  |                              |                           |             |              |              |        |
|   | Fan blade diameter mm  | 815                          | 815                       | 913         | 913          | 1,060        |        |
|  | Standard RPM (PTO 540)   | 1,780                        | 1,780                     | 1,780       | 1,780        | 1,780        |        |
| <b>OUTPUT AND POWER</b>  |  |                              |                           |             |              |              |        |
|  | Pitch  | 34°                          | 26°                       | 26°         | 26°          | 64°          |        |
|  | M3/HR  | 31,948                       | 52,955                    | 73,682      | 73,682       | 84,696       |        |
|  | HP   | 17.5                         | 22.7                      | 26.4        | 26.4         | 40           |        |
|  | Pitch  | 42°                          | 34°                       | 34°         | 34°          | 72°          |        |
|  | m3/hr  | 36,800                       | 57,933                    | 81,285      | 81,285       | 99,929       |        |
|  | HP   | 27                           | 29.2                      | 36.9        | 36.9         | 55.5         |        |
|  | Pitch  | 50°                          | 42°                       | 42°         | 42°          | 80°          |        |
|  | M3/HR  | 39,200                       | 53,860                    | 83,798      | 83,798       | 108,618      |        |
|  | HP   | 35.4                         | 32.3                      | 47.5        | 47.5         | 72           |        |
|  | <b>GEARBOX</b>   |                              |                           |             |              |              |        |
|  |  | 2-speed plus neutral         | 2 + N                     | 2 + N       | 2 + N        | 2 + N        | 2 + N  |
|  |  | Low box ratio                | 1:3:50                    | 1:2:93      | 1:2:93       | 1:2:93       | 1:2:93 |
| High box   |  | 1:4:00                       | 1:3:29                    | 1:3:29      | 1:3:29       | 1:3:30       |        |
| <b>PERFORMANCE*<br/>(*in ideal conditions)</b>                                     |  |                              |                           |             |              |              |        |
|  | Y = metres   | 5                            | 5                         | 6           | 6            | 9            |        |
|  | Z = metres   | 10                           | 10                        | 13          | 13           | 16           |        |
|  | Suitable tank size   | 800 - 1000                   | 800 - 2000                | 1500 - 4000 | 1500 - 4000  | 3000 - 5000  |        |
|  | Recommended tractor HP   | 45                           | ≥50                       | 65          | ≥65          | ≥105         |        |
|  | Nozzles per side   | 7 + 7 (14)                   | 14 + 14 (28)              | 9 + 9 (18)  | 14 + 14 (28) | 15 + 15 (30) |        |
|  | Noise rating (dB)  | 99.5                         | 89.5                      | 92          | 92           | 96           |        |
|  | Fan weight   | 88                           | 110                       | 178         | 130          | 188          |        |

The maximum canopy height and width figures are entirely subject to the canopy density, size, shape and weather conditions.

# QUANTUM FANS



## QM-420

The Quantum 420mm-diameter fan, with a new cowl design, is highly efficient, delivering greater RPM with a lower power requirement.

It produces turbulent and high-volume air for optimum vine and tree canopy penetration and spray coverage. It is used in 2, 3 and 4 x fan (per row) configurations.

Dual spray rings are fitted with a total of 10 x nozzles per fan. 5 x nozzles are fitted to the inner or lower volume spray ring with an additional 5 x nozzles fitted to the outer or higher volume spray ring.

This allows for 3 x tier spraying (low/medium/high) rate application without the need to change nozzles.

## QM-500

Designed in collaboration with SARDI, the QM-500 fan has set the benchmark in horticulture spray coverage since its release.

This iconic 500mm-diameter fan produces a wider band of air best suited to large and medium tree crops and vineyards with warm climate sprawl canopies.

A roto-moulded, fully integrated cowl is lightweight and impact resistant.

A single spray ring is fitted with 8 x nozzles per fan.

# ROBOTICS PLUS PROSPR



## A robust, autonomous, multi-use hybrid vehicle platform that significantly increases efficiency across a variety of crop tasks.

### Best Coverage

- Yamaha Agriculture and Croplands have collaborated to design a range of spray configurations for best coverage, which is suitable for various crop types and growing systems.

### Efficiency

- As an autonomous vehicle, Prospr operates continuously without breaks, maximising efficiency
- With an electric and diesel hybrid system, the vehicle can operate for extended periods with no need to plug in, minimising downtime and increasing productivity

### Precision

- With advanced sensors and LiDAR technology, Prospr can navigate with precision, ensuring accurate spraying and minimising chemical wastage
- Spray rates and air speed are dynamic and controlled in zones or by individual fans to maximise spray efficiency

### Safety

- By removing the need for human operators in hazardous environments, Prospr enhances safety for workers and minimises health risks
- Intelligent sensors onboard ensure protection of bystanders and obstacles within the environment

### Herbicide Attachment - Coming Soon

- A herbicide spray unit designed for seamless integration with Prospr. Enables growers to enhance automation across weed control applications and improve efficiency
- Available in two configurations for Orchard and Vineyard use
- Units to be field ready in 2026



### Environmental Sustainability

- By reducing overuse of spray and fertilisers through precision application, the herbicide attachment minimises chemical runoff to preserve soil and water quality.
- Fuel consumption is minimised by up to 72% from electrically driving all systems including tools

### Data Collection & Analysis

- Equipped with sensors and onboard cameras, Prospr collects valuable data regarding vineyard or orchard conditions
- Prospr provides a digital record of all jobs performed, eliminating the need for manual data recording

# QUANTUM VINE PRO

**Quantum Vine Pro redefines the benchmark for larger scale trailed vineyard spraying. After years of market research, customer collaboration and testing, the Quantum Vine Pro is strong, agile, easy to operate, and with the best coverage in our Quantum fan technology.**



## Fans

Individual QM-420 hydraulically driven from the tractor hydraulics or via optional compact, self-contained Micro Power Pack.

8, 12 or 18 x fan configurations.

In-cab electric fan speed control as standard with optional wind compensation.

Dual spray ring fitted with 10 x Albus ATI-80 hollow cone nozzles per fan (refer page 6 for nozzle options).

## Fan Frames

Fans are mounted in a protective frame allowing simple, precise fan position settings.

NEW heavy duty fan frame mounting with improved breakaway dampening.

## Tanks

NEW 2500 and 3500 polyethylene main tanks improve Centre of Gravity.

300 litre flush and 15 litre fresh water (independent tanks).



**Boom**

NEW heavy duty mid-mount, 2 or 3-row over row parallelogram boom designed for row widths from 2.40 – 3.60 metres with auto boom width function.

NEW optional hydraulic adjustable inner / rear boom for more precise fan positioning in varying row widths with optional auto boom width function.

NEW optional hydraulic adjustable left / right inner and outer boom terracing kits.

**Spray pumps**

AR-185 or AR-250 depending on fan configuration.

**Controls**

NEW ARAG IBX-100 ISOBUS controller system (refer page 7).

**Chassis / axle / wheels**

NEW full-length, heavy duty galvanised chassis and heavy duty 3-point self-steer drawbar.

NEW tandem walking beam axle in Narrow or wide track options.

11.5/80 x 15.3 AWT tyres fitted as standard. Flotation tyres optional.

# QUANTUM SINGLE ROW

**Perfect for smaller scale and Estate vineyards the Quantum single row sprayers are ideal where tight headlands or sloping topography is a challenge. Available in 4 x fan (cool climate) and 6 x fan (warm climate) configurations.**



## Fans

Individual QM-420 hydraulically driven from the tractor hydraulics.

4 or 6 fan configurations.

Manual fan speed control. In-cab electric fan speed control as option (\*requires rate controller option).

## Fan frame

1500-3000 models have fans mounted in a protective frame allowing simple, precise fan position settings.

## Boom

1500-3000 models fitted with heavy-duty rear tower manually adjustable for varying row widths.

1000 model fitted with single pole tower with adjustable fan clamping brackets.

## Tanks

1000, 1500, 2000 and 3000 litre polyethylene tanks.

## Spray pumps

1500-3000 AR140 as standard.

Optional AR-185 for higher volume applications.

1000 model fitted with AR-80 as standard.

## Nozzles

Dual spray ring fitted with 10 x Albus ATI-80 hollow cone nozzles per fan (refer page 6 for nozzle options).

## Controls

1500-3000 models fitted with Electric, 2-section control with in-cab pressure adjustment as standard.

Optional rate controller options (refer page 7).

1000 litre model fitted with remote mount manual controller.

Electric, 2-section control with in-cab pressure adjustment as option.

## Chassis / axle / wheels

Full-length, hot dipped galvanised chassis with self-steer drawbar.

1500-3000 models fitted with single fixed axle as standard. Single suspension axles optional.

1000 model fitted with single adjustable width axle.

# QUANTUM LINKAGE

Perfect for small scale and boutique vineyards the Quantum linkage sprayers excel in narrow row spacings, tight headlands or where sloping topography is a challenge. A great solution for smaller frame tractors.



## Fans

Individual QM-420 hydraulically driven from the tractor hydraulics. 4 and 8 fan configurations.

Manual fan speed control. In-cab electric fan speed control as option (requires rate controller option).

Dual spray ring fitted with 10 x Albuz ATI-80 hollow cone nozzles per fan (refer page 6 for nozzle options).

## Fan frame

Fans mounted in a protective frame allowing simple, precise fan position settings.

## Boom

Single row – Heavy duty rear tower manually adjustable for varying row widths.

## Tanks

600, 800, 1000 litre polyethylene tanks.

Separate flushing and freshwater tanks.

## Spray pumps

AR-80 as standard.

Optional AR-140 for higher volume applications.

## Controls

Remote mount, 5 x outlet, UCM manual controller with manual pressure adjustment and pressure gauge.

Electric, 2-section control with in-cab pressure adjustment as option.

Optional rate controller options (refer page 31).

## Frame

Heavy duty, hot dipped galvanised frame.

# QUANTUM ORCHARD TOWER

**The Quantum Orchard Tower has been specifically designed for medium size tree crops and 2-D growing systems up to 5 x metres in height.**

**Fitted with QM-420 fans the Quantum Orchard Tower achieves precise, even coverage across the entire tree structure, whilst minimising off target drift.**



**Fans**

Individual QM-420 fans hydraulically driven from the tractor or optional independent Micro Power Pack fully enclosed oil supply system.

8 x fan configuration.

Manual fan speed control. In-cab electric fan speed control as option.

Dual spray ring fitted with 10 x Albus ATI-80 hollow cone nozzles per fan (refer page 6 for nozzle options).

**Fan frame**

Fans mounted in a protective frame allowing simple, precise fan position settings.

**Tanks**

2000 Slimline, 2000 XL and 3000 XL polyethylene tanks.

**Tower**

Fixed tower designed specifically for orchard crops.

Manual width adjust for varying row widths.

**Spray pumps**

AR-185 pump as standard.

High volume pump (AR-250) as option.

**Controls**

Bravo 180-S 2-section auto rate controller as standard.

Optional ARAG IBX-100 ISOBUS controller.

Controllers can be upgraded to 4 x section plumbing as option (refer page 7 for controller specs).

**Chassis / axle / wheels**

Full-length, hot dipped galvanised chassis with self-steer drawbar.

Single fixed axles on XL models. Suspension or tandem axle options.

Single adjustable axle on 2000 Slimline model.

1400 mm overall width in narrow setting.





# HYBRID SPRAYER

**The Hybrid sprayer combines our two fan technologies. Designed to cover a wide range of conventionally planted tree crops, the Hybrid sprayer is perfect for targeting specific tree zones. Suited to 3-D tree crops up to 5 metres in height.**

## Fans

Fieni 920 DSV (Refer page 8 for detailed specs).

2 x Croplands QM-500 individual fans (refer page 9)  
Hydraulically driven from the tractor hydraulics.

## Spray pumps

AR BHS-170 high pressure brass pump standard.  
High volume brass pump (AR BHS-200) as option.

## Controls

Electric, 2 -section control with in-cab pressure adjustment as standard.

Optional rate controller options (refer page 7).

## Nozzles

Brass roll-over nozzle bodies fitted with Albus ATI-80 degree ISO hollow cone nozzles & Albus ceramic disc & cores.

920 DSV fitted with 14 x nozzles per side (28 x in total).

QM-500 fan fitted with single spray ring fitted with 8 x Albus ATI-80 hollow cone nozzles per fan (refer page 6 for nozzle options).

## Tank

2000 litre gel coated fibreglass tank.

## Tower Frame

Hot dipped galvanised steel single pole with support brackets.

Adjustable fan brackets to allow flexible fan positioning.

## Chassis / axle / wheels

Full-length, hot dipped galvanised chassis with rear leaf guard / protection plate.

Fixed drawbar, adjustable for length.

Single fixed axle as standard.

## Power required

920 DSV approx. 70 engine HP.

\*Based on normal / flat conditions with fan operating in the mid pitch setting (refer page 8).

# CROPLINER 2000 SLIMLINE



**Designed to suit narrow or high density tree crop plantings, the Cropliner Slimline has been shaped for minimum crop interference.**

## **Fan**

Highly efficient FIENI 920 DSV fan designed to generate more air with lower HP (refer page 8 for detailed specs).

Linear Tower option available, for more information please contact your local Croplands Territory Manager.

## **Spray pumps**

AR BHS-170 brass pump as standard.

High volume brass pump (AR BHS-200) as option.

## **Controls**

Electric, 2-section control with in-cab pressure adjustment as standard.

Optional rate controller options (refer page 30).

## **Tank**

2000 litre gel coated fibreglass tank.

## **Nozzles**

Brass roll-over nozzle bodies fitted with Albus AT1-80 degree ISO hollow cone nozzles and Albus ceramic disc and cores.

920 DSV fitted with 14 x nozzles per side (28 x in total) (refer page 6 for nozzle options).

## **Chassis / Axle**

Full-length, hot dipped galvanised chassis with rear leaf guard / protection plate.

Fixed drawbar, adjustable for length.

Single fixed axles as standard.

## **Power required**

920 DSV approx. 70 engine HP.

\*Based on normal / flat conditions with fan operating in the mid pitch setting (refer page 8).

# KIWILINER 820



**Designed specifically for spraying kiwi fruit where a shorter and lower profile sprayer is required. The Kiwiliner is fitted with a Fieni 820 DSV front entry fan to eliminate trash build up on the air intake grill.**

## Fans

Highly efficient Fieni DSV fans are designed to generate more air with lower HP.

Fieni 820 DSV FE (refer page 8 for detailed specs).

## Spray pumps

AR BHS-170 high pressure brass pump as standard.

High volume brass pump (AR BHS-200) as option.

## Controls

Electric, 2 -section control with in-cab pressure adjustment as standard.

Optional rate controller options (refer page 30).

## Tank

2000 litre low profile polyethylene tank.

## Nozzles

Brass roll-over nozzle bodies fitted with Albus ATI-80 degree ISO hollow cone nozzles & Albus ceramic disc and cores.

820 DSV FE fitted with 14 x nozzles per side (28 x in total) (refer page 6 for nozzle options).

## Chassis / Axle

Full-length, hot dipped galvanised chassis with rear leaf guard / protection plate.

Fixed drawbar, adjustable for length.

Single fixed axle as standard.

## Power required

820 DSV FE approx. 55 engine HP.

\*Based on normal / flat conditions with fan operating in the mid pitch setting (refer page 8).

# AVOLINER 920



**Designed specifically for spraying avocados up to 6 x metres in height, the Avoliner is equipped with a bigger fan and pump combination.**

## Fan

Highly efficient Fieni DSV fans are designed to generate more air with lower HP.

Fieni 920 DSV (refer page 8 for detailed specs).

## Tanks

2000 litre low profile polyethylene tank.

## Spray pumps

AR BHS-200 high pressure brass pump as standard.

## Nozzles

Brass roll-over nozzle bodies fitted with Albuz ATI-80 degree ISO hollow cone nozzles & Albuz ceramic disc & cores.

920 DSV fitted with 14 x nozzles per side (28 x in total) (refer page 6 for nozzle options) Optional "Top Gun" assembly for double sided spraying of tall trees to 8.0 metres.

## Controls

Electric, 2 -section control with in-cab pressure adjustment as standard.

Optional rate controller options (refer page 7).

## Chassis / axle

Full-length, hot dipped galvanised chassis with rear leaf guard / protection plate.

Fixed drawbar, adjustable for length.

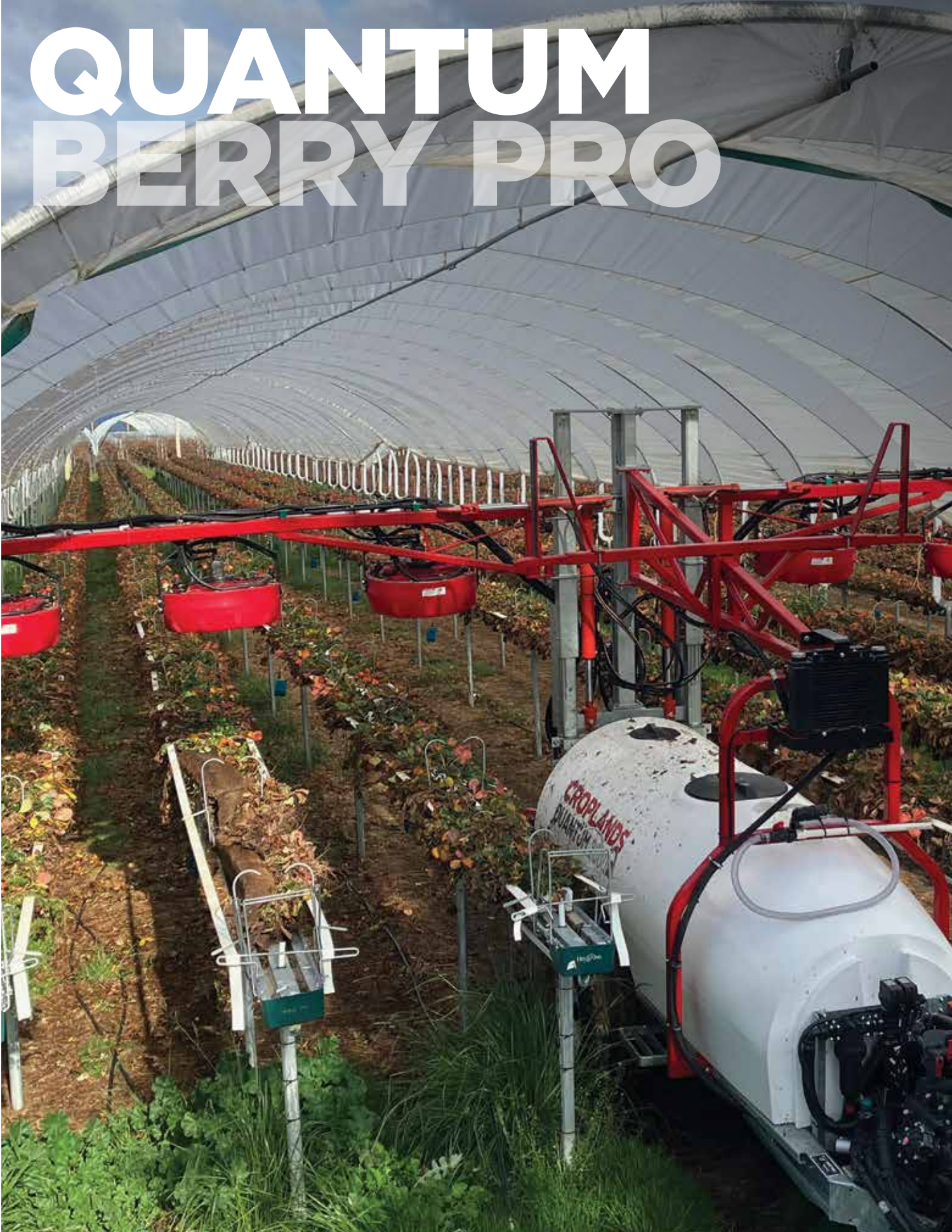
Single fixed axle as standard.

## Power required

920 DSV approx. 70 engine HP.

\*Based on normal / flat conditions with fan operating in the mid pitch setting (refer page 8).

# QUANTUM BERRY PRO



**Quantum Berry Pro has been designed specifically for raised tabletop crops primarily grown in tunnels. Spraying 6 x beds in a single pass Berry Pro has full adjustability for premium crop protection.**

#### **Fans**

Individual QM-420 fans hydraulically driven from the tractor hydraulics or via optional compact, self-contained Micro Power Pack.

8 x fan configuration. 3 x fans per side spraying down onto crop, 1 x fan per side spraying up under crop (refer page 28).

Manual fan speed control. In-cab electric fan speed control as option.

Dual spray ring fitted with 10 x Albuz ATI-80 hollow cone nozzles per fan (refer page 31 for nozzle options).

#### **Boom**

New rear mounted, front folding boom with max working width of 8 x metres.

Individual left / right hydraulic boom fold.

Hydraulic adjustable left / right terracing kit as standard.

#### **Tanks**

2000 Slimline polyethylene tank.

#### **Spray pumps**

AR-185 LFP pump.

#### **Controls**

Bravo-180S 4-section rate controller as standard.

Optional rate controller options (refer page 7).

#### **Chassis / axle / wheels**

Full-length, hot dipped galvanised chassis with self-steer drawbar.

Single fixed axles as standard.

10.0/75 x 15.3 AWT tyres fitted as standard.



# HOL SPRAYING SYSTEMS

## Single & Multi Row Orchard Solutions

**Croplands have partnered with H.S.S. to bring Kiwi Orchardists the industry leading single and multi-row sprayers. Supported by over 50 years experience and our extensive dealer support network, we've got your back.**





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## Efficiency

- Spray 3 rows every pass
- Reduced operating and R+M costs
- Reduced spraying time

Reduced time spent in the headland

- Auto positioning, rear folding boom
- Sequential spray and boom folding functions



## Coverage

- Crossflow plumbing helps achieve even air penetration, row to row and vertically
- Replaceable and adjustable air outlets ensure consistent airflows - year in, year out
- Hollowcone Albus nozzles provide consistent fine droplets ensuring the best possible coverage
- Auto positioning boom centres the droppers in the middle of the row
- 6 flowmeters monitor each half row to ensure consistent flow rates



## Key features

- Large tank capacities Tandem axle with adjustable width and brakes
- Self-track draw bar for tight headland turning
- Chemical mixing hopper & quick-fill plumbing
- Optional mower attachment (2000L tanks)
- Blue working lights are standard
- Split plumbing for easy young tree application
- 200L/min AR brass pump
- Swing-over nozzle bodies (8 per side)
- 385cm boom height (max 355cm tree height)

**H.S.S.**  
Hol Spraying Systems

# KILTER AX-1



## CROP TYPES





### Green on Green

With AI vision, the AX-1 identifies and targets weeds in a 360-degree area around each crop.

### Single Drop Technology (SDT)

Using Single Drop Technology, the AX-1 applies a 1150-micron VMD droplet every 6mm, targeting weeds at their earliest growth stage while helping preserve soil nutrients and moisture.

### Autonomous Solutions

The Kilter AX-1 is a lightweight autonomous solution that enables earlier weed control on crop beds, while freeing up labour to focus on higher-value tasks across the operation. Running multiple AX-1 units increases productivity, while their compact size and portability make it easy to move between locations.



### Crop Types

The Kilter AX-1 platform currently supports 21 crop types, seven of which are under ongoing research and development to meet the evolving needs of modern growers. Some crops not listed here are currently under testing and development.



SCAN FOR MORE INFORMATION



### Supports Organic Farming Practices

Suitable for both organic and conventional farming operations. Speak to your local Croplands Territory Manager to find out how the Kilter AX-1 works for your operation.



# NATIONWIDE DEALERS

## NATIONAL DISTRIBUTORS



PGG Wrightson Stores – Nationwide, contact your local store  
 Fruitfed Supplies Stores – Nationwide, contact your local store

## SOUTH ISLAND

|              |                       |             |
|--------------|-----------------------|-------------|
| Alexandra    | Fruitfed Supplies     | 03 440 2350 |
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| Ashburton    | Norwood               | 03 307 8330 |
| Marlborough  | Fruitfed Supplies     | 03 579 3733 |
| Marlborough  | Agrivit Ltd           | 03 572 8787 |
| Christchurch | Noble Adams Machinery | 03 349 7862 |
| Christchurch | Fruitfed Supplies     | 03 341 4318 |
| Cromwell     | Fruitfed Supplies     | 03 445 3730 |
| Motueka      | Fruitfed Supplies     | 03 528 8680 |
| Richmond     | Fruitfed Supplies     | 03 544 6115 |
| Riwaka       | N.S. Rogers           | 03 528 9212 |

## NORTH ISLAND

|               |                      |             |
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| Cambridge     | Fruitfed Supplies    | 07 823 0640 |
| Feilding      | Fruitfed Supplies    | 06 323 0065 |
| Gisborne      | Fruitfed Supplies    | 06 863 1686 |
| Gisborne      | Norwood              | 06 867 9865 |
| Hastings      | Croplands Spray Shop | 06 879 5720 |
| Hastings      | Fruitfed Supplies    | 06 873 0950 |
| Helensville   | Fruitfed Supplies    | 09 420 9410 |
| Katikati      | Fruitfed Supplies    | 07 549 1316 |
| Kerikeri      | Fruitfed Supplies    | 09 407 4835 |
| Levin         | Fruitfed Supplies    | 06 368 0892 |
| Martinborough | Fruitfed Supplies    | 06 306 9699 |
| Masterton     | Norwood              | 06 377 3184 |
| New Plymouth  | Norwood              | 06 757 5582 |
| Ohakune       | Fruitfed Supplies    | 06 385 8500 |
| Pukekohe      | Fruitfed Supplies    | 09 237 2020 |
| Pukekohe      | Norwood              | 09 237 0104 |
| Te Awamutu    | Norwood              | 07 872 0232 |
| Te Puke       | Fruitfed Supplies    | 07 573 0028 |
| Te Puke       | Splash Direct        | 07 573 6138 |
| Whakatane     | Fruitfed Supplies    | 07 307 1613 |
| Whangarei     | Norwood              | 09 438 4719 |



## NATIONAL SALES & SUPPORT

### CROPLANDS NEW ZEALAND

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 Freefax 0800 117 711  
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 Rob Marshall 027 248 6822