

BUYERS' GUIDE 2019



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CROPLANDS



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GENERAL MANAGER'S WELCOME

Dear Customer,

Since Croplands inception in 1972, we have remain steadfastly focused on our vision of creating innovative application equipment for sustainable agriculture. The virtues of pushing the boundaries, using the very best components and always putting the customer first have seen us experience tremendous growth and continue to serve us well.

Some 20 years ago Croplands designed the unique and exciting new hydraulically driven spray fan – the 'Quantum Mist™'. This product has continued to evolve to provide the ultimate in spray coverage across a broad range of horticultural crops.

This year we are thrilled to release the next generation 'Quantum Mist™ Smart Spray'. More than two years in the making, the Smart Spray features various key new designs and innovations including the new QM420 fan, boom and fan frame that are brought to life by the intuitive new Fusion controller.

The Quantum Mist™ Smart Spray will deliver the best of both worlds – the best coverage in full season and the benefits of recapture.

The reason you spray is to provide your crop with the very best protection, so the performance of your sprayer is absolutely



Sean Mulvaney
Sean Mulvaney
General Manager
Croplands

paramount and vital to the return on your investment and your livelihood. At Croplands we take this seriously and are driven to keep pushing the boundaries to deliver a premium sprayer to suit your own individual needs.

We are proud of what we have achieved so far and will continue to invest heavily to innovate and maintain manufacturing in both Australia and New Zealand. Our extensive dealer network is supported by our own service technicians to ensure we can continue to support you no matter where you are.

Thank you for considering a Croplands sprayer.

Fusion controller with touch screen and integrated joystick control

WHAT WE KNOW ABOUT VINEYARD SPRAYERS



Over the last 20-odd years of manufacturing and selling single and multi-row sprayers for our vineyard customers, here at Croplands we have learned a few things. In general, our customers want a sprayer that is:

- » **RELIABLE.** Probably the number one consideration for most owners and operators. Repair and maintenance costs of a well maintained Quantum Mist™ have proven to be significantly less than many other brands.
- » **EASY TO FIX.** We have learned not to over-complicate our sprayers, and to fit the best quality components we can find. When you look at a Quantum Mist™ sprayer, everything is easy to get at for service and repairs.
- » **SPRAY COVERAGE.** No other vineyard sprayer on the market has the same combination of air volume, directional spray capability, drift reduction potential and unsurpassed multi-row functionality. It adds up to what our customers need, to get the best out of their spraying program. The result is excellent coverage and real efficiency gains.
- » **PROVEN.** Our Quantum Mist™ technology is gaining more and more customer demand world-wide. Disease pressure in vines has never been so high, mainly due to growers not always understanding how important spray coverage is, and how vital dosage rates are. The Quantum Mist™ has the best track record of any sprayer on the market to help growers with these challenges.
- » **VALUE.** When you buy a Quantum Mist™ sprayer, you immediately get the value your sprayer can offer in terms of reliability, spray coverage and efficiency in the field. There is another proven value proposition you will discover when the time comes to upgrade – resale value.

Cover photo: Quantum Mist™ 420 Smart Spray featuring both inner and outer drift/recapture screens, three QM420 fans per frame/12 head and Micro Power Pack. Two-row, 3000 litre sprayer with walking beam axle and flotation wheels. Photo taken in Barossa Valley, 3.25 metre rows of young Shiraz.

The ultimate performer in vineyards: Croplands Quantum Mist™ vineyard sprayers are quiet, reliable and extremely energy efficient, delivering outstanding spray coverage and performance efficiency.



QM420 fan – new in 2019

COVERAGE IS THE KEY!

Don't compromise on the best investment you can make for disease control in your vineyard.

The Quantum Mist™ vineyard sprayer has been helping growers manage their pest and disease control for two decades now, and is still recognised as the most efficient and effective multi-row sprayer in grapes.

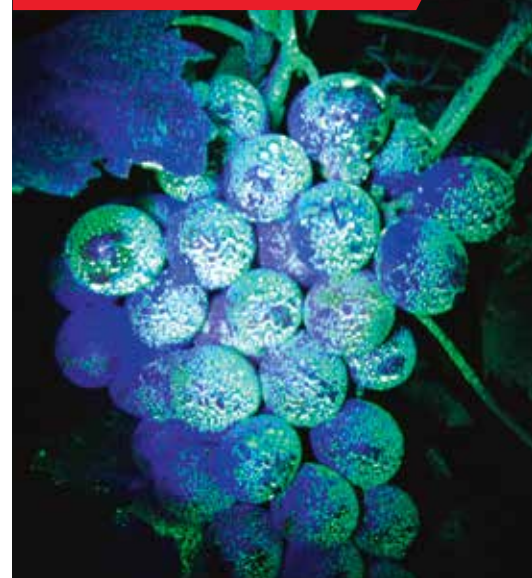
Quantum Mist™ technology is growing in demand with customers in the US, South America and other parts of the world now using Croplands Quantum fans in preference to outdated technology.

In this catalogue, you will find single and multi-row sprayers to suit your application needs.

**DON'T COMPROMISE,
ASK FOR QUANTUM MIST™**



PROVEN COVERAGE



INTRODUCING THE QUANTUM MIST™ SMART SPRAY

1 BOOM

- » New/heavier design with improved breakaway system
- » New 'coat hanger' mounting bracket design allows multiple configurations (outer recapture screen or three-row fan frame)
- » Electronic boom position sensors control row widths and fan distance from the wire via Fusion controller
- » Improved 'park position' reduces width for road transport

2 QM420 FAN

- » New, improved design produces efficient, turbulent air
- » Outstanding canopy penetration
- » Dual spray ring with 10 x nozzle configuration
- » Low, medium and high rate solution minimises nozzle changes
- » **Optional** left/right fan speed control via Fusion controller for wind speed compensation

3 FAN FRAME DESIGN

- » Two or three fan frame options
- » Simple to set up for optimum coverage and repeatable outcomes

4 OPTIONAL DRIFT REDUCTION/RECAPTURE SYSTEM

- » Inner or inner and outer smart screen options
- » Modular design for easy removal
- » Reduces drift and returns 'over spray' back to tank improving efficiency and reducing chemical costs
- » Coverage is never compromised
- » Reduced trash collection via dual screen design and filters

5 FUSION CONTROLLER

- » Intuitive controller designed specifically for viticulture
- » CANBUS design controls hydraulic and electric functions
- » Full colour touch screen with integrated joystick control
- » On board diagnostics
- » Simple to update software





Quantum Mist™ Two-row Smart Spray, 3000 litre featuring both inner and outer drift/recapture screens, three QM420 fans per frame/12 head and Micro Power Pack, walking beam axle and flotation wheels. Photo taken in Barossa Valley, 3.25 metre rows of young Shiraz.

NEW FOR 2019

QUANTUM MIST™ 420 SMART SPRAY TWO AND THREE-ROW TRAILED SPRAYERS



QM420 Fan



Fusion Controller



Drift Reduction and Recapture System



Micro Power Pack

QM420 FAN

The new patent pending QM420 fan has been optimised for canopy penetration delivering more efficient and turbulent air.

- » Dual spray ring with ten x nozzle configuration
- » Spray lower rates via the inner spray ring – medium rates via the outer ring – higher rates with both rings turned on
- » Consistent spray pressure and spray droplet quality from the cab without needing to change nozzles or manual tap valves
- » Sealed front fan cap to prevent water and mulch ingress
- » Upgraded cowl, drive body, guards and mounting system

WIND COMPENSATION

Optional fan speed compensation provides upwind and downwind air speed control via the in-cab Fusion controller ensuring the right volume of air is generated from both sides of the sprayer to optimise spray efficacy and contain drift in difficult or exposed situations.

BOOM

Quantum Mist™ Smart Spray boom incorporates a parallelogram design to simplify folding, giving a narrower parked position for road transport.

FAN FRAME

- » Heavier safety breakaway design
- » 'Coat hanger' mounting bracket design allows multiple configurations – outer row recapture smart screens or a three-row fan frame can be fitted
- » Two or three fans per frame to suit cold and warm climate vineyards
- » Simple fan positioning ensuring maximum canopy penetration
- » With easy to follow and record sprayer settings, repeatable outcomes are now possible

TANK SIZES

- » 4000 litre
- » 3000 litre
- » 2000 litre

FUSION CONTROLLER

The first truly intuitive controller designed specifically for viticulture.

- » Set, manage and operate more precision settings (boom, fan and spray) than ever before
- » 10-inch full colour touch screen with integrated joystick control allows both sprayer and hydraulic functions to be operated through a single platform
- » CANBUS designed utilising the latest technology to minimise electrical issues and potential down time
- » On board diagnostics
- » Easily upgraded via simple software updates

DRIFT REDUCTION AND RECAPTURE SYSTEM

- » Modular design can be easily removed when the canopy matures past the point of recapture benefit, allowing total flexibility
- » Detachable Smart Screens can be ordered as inner and outer or inner only configurations
- » Efficient reduction of potential spray drift and return of captured overspray to the main tank
- » Improves efficiency – especially during dormancy and early season sprays – saving on expensive chemical usage
- » Reduced trash collection via dual screen design and filters

MICRO POWER PACK

- » Revolutionary registered design unique to Croplands
- » Compact, self-contained independent oil supply supplied standard on all sprayers with twelve heads or more – optional for all other sprayers
- » Less reliance on tractor hydraulics
- » Enables smaller tractors to power Quantum Mist™ sprayers
- » Safety cut off switch if the oil level drops
- » Biodegradable oil can be supplied as an option

QUANTUM MIST™ 500 THREE-ROW TRAILED SPRAYERS



The three-row Quantum Mist™ range allows more hectares to be sprayed on any given day. For larger vineyards set up this is the most efficient way to cover the ground.

FEATURES

- » 2000, 3000 and 4000 litre tank capacities
- » 500mm fan for maximum canopy coverage
- » Electric oil cooler fitted standard
- » Heavy duty self-steering drawbar standard for excellent tracking behind the tractor
- » Tandem axle is fitted standard on all three-row sprayer models
- » Individual left and right terracing kit available as an option where rows vary in height due to topography or terracing
- » Inner and outer hydraulic row width adjustment optional
- » Tractor driven hydraulic supply standard, or the new Micro Power Pack as an option if hydraulic supply is limited
- » 180 L/min diaphragm pump
- » **Optional** auto-rate spray controllers – see page 12 for more information
- » For full specifications see page 15



SELF-STEERING DRAWBAR

Self-steering drawbar standard on all trailed Quantum Mist™ sprayers for effortless turns and virtually no wear and tear on the PTO shaft to the pump.



OIL COOLER

Quality 12-volt Hydac oil cooler fitted to ensure tractor-supplied system is protected from oil overheating.

AR-185 PUMP

The 180 L/min poly diaphragm pump for smooth running and excellent resistance to agricultural chemicals and liquid fertilisers. Standard on all models.



OPTIONAL FEATURE

MICRO POWER PACK (INDEPENDENT OIL SUPPLY)



3000 litre Three-row Quantum Mist™ Sprayer set up for cool climate grapes. Standard features include tandem axle, self-steering drawbar, oil cooler, tank fill kit and mudflaps.

QUANTUM MIST™ 500 TWO-ROW TRAILED SPRAYERS



Croplands Quantum Mist™ multi-row sprayers have been providing our grape growers exceptional spray coverage for over 20 years. Using a proven, simple design, the over-row trailed range has a raft of useful options.

FEATURES

- » 2000, 3000 and 4000 litre tank capacities
- » 500mm fan for maximum canopy coverage
- » Electric oil cooler
- » Self-steering drawbar standard for excellent tracking behind the tractor
- » **Optional** tandem axle for rougher going or where stability is an issue. Required option with Smart Spray recapture configurations
- » **Optional** low-compaction tyres
- » Individual left and right terracing kit available as an option where rows vary in height due to topography or terracing
- » Inner and outer row hydraulic width adjustment optional
- » Tractor driven hydraulic supply standard, or the new Micro Power Pack as an option if hydraulic supply is limited
- » 160 L/min diaphragm pump
- » **Optional** auto-rate spray controllers – page 12 for more information
- » For full specifications see page 15



QM500 fans for larger canopy types

**160 L/MIN
DIAPHRAGM PUMP
ON 500MM
CONFIGURATIONS**



Early season spraying using only the bottom fans on a Two-row Quantum Mist™ Sprayer



NOZZLES

A KEY TO SPRAY COVERAGE

ALBUZ ATR

ALBUZ ATR ceramic hollow cone nozzles fitted to Quantum Mist™ Sprayers

FEATURES AND SPECIFICATIONS

- » Wide pressure range – 5 to 20 bar
- » Very consistent droplet spectrum over a wide range of outputs
- » Easily dismantled for cleaning
- » Lower profile, less likely to be damaged
- » Precision polished ceramic surfaces to give precise flow rate and superior durability
- » **60° and 80° now available**



QUANTUM MIST™ SINGLE-ROW TRAILED SPRAYERS



Croplands hydraulic drive system was developed for single-row sprayers to improve efficiency and simplicity for our customers.

FEATURES

- » 1500, 2000 and 3000 litre tank capacities
- » Fully galvanised chassis and tower assembly
- » Self-steering drawbar standard for excellent tracking behind the tractor
- » Tandem axle optional
- » Tractor driven hydraulic supply
- » Available with QM500 or new QM420 fan
- » Fresh water flushing tank provided for clean-out in the vineyard
- » **Optional** auto-rate spray controllers – see page 12 for more information

OPTIONAL SPRAY CONTROL



**BRAVO 180
ALSO AVAILABLE
SEE PAGE 12**

CROPLANDS AUTO-RATE CONTROLLER

- » Flow-based control using flowmeter for accuracy
- » Tank volume indicator
- » Ten individual operating histories for area, liquid dispensed, distance and hours
- » 2-section control of motor valves
- » Adjustable contrast screen, back-lit for night use
- » Pre-settable row widths for on-the-go adjustment
- » L/ha for area-based or unit canopy row based calibration
- » **Optional** electric fan speed control



NEW FOR 2019 Quantum Mist™ 1000 litre trailed model. Refer page 15 for specifications.



2000 litre Quantum Mist™ Single-row fitted with QM500 fans

QUANTUM MIST™ SINGLE-ROW LINKAGE SPRAYERS



For smaller vineyards or where topography means a trailed sprayer is not suitable, consider the Croplands 3-point linkage sprayer range.

FEATURES

- » 600, 800 and 1000 litre tank capacities
- » Fully galvanised frame and tower assembly
- » Tractor driven hydraulic supply to minimise cost
- » Available with QM500 or new QM420 fan
- » In cab electric controls optional
- » **Optional** auto-rate spray controllers – page 12 for more information

- » Unsurpassed spray coverage in an affordable package
- » 8 nozzles per fan for 500mm fans gives 12 or 16 nozzles per side for complete flexibility in spray calibration for your crop

OPTIONAL SPRAY CONTROL



**BRAVO 180
ALSO AVAILABLE
SEE PAGE 12**

CROPLANDS AUTO-RATE CONTROLLER

- » Flow-based control using flowmeter for accuracy
- » Tank volume indicator
- » Ten individual operating histories for area, liquid dispensed, distance and hours
- » 2-section control of motor valves
- » Adjustable contrast screen, back-lit for night use
- » Pre-settable row widths for on-the-go adjustment
- » L/ha or L/100m options for area-based or unit canopy row based calibration
- » **Optional** electric fan speed adjustment from the cab



Quantum Mist™ Linkage
with QM500 fans

ALBUZ ATR



**ALBUZ ATR ceramic
hollow cone nozzles fitted
to Quantum Mist™ Sprayers**

FEATURES AND SPECIFICATIONS

- » Wide pressure range – 5 to 20 bar
- » Very consistent droplet spectrum over a wide range of outputs
- » Easily dismantled for cleaning
- » Lower profile, less likely to be damaged
- » Precision polished ceramic surfaces to give precise flow rate and superior durability
- » **60° and 80° now available**

SMALLER VINEYARDS



300 litre Cropair with 500mm fan



600 litre Cropair with 800mm fan



1000 litre Cropair with 800mm fan

CROPAIR

The Cropair range of linkage sprayers is ideal for tight and steep blocks. With all of the efficiencies and fan technology of our trailed units these sprayers are easy to operate in all conditions.

CROPAIR 300

- » Single speed 500mm fan with adjustable pitch blades for variable air outputs
- » Air output: 24,000 m³/hour
- » Brass double rollover nozzle bodies – 5 per side
- » High pressure AR 54 L/min (40 bar) triple diaphragm pump fitted
- » 25–30 hp power requirement to drive the fan and pump
- » 300 litre main tank with large filling lid and strainer fitted
- » 30 litre flush tank and 15 litre hand wash tank
- » Remote mounted manual tap control

CROPAIR 600

- » Two speed 800mm fan with adjustable pitch blades for variable air outputs
- » Over run clutch fitted to protect fan from sudden engagement/disengagement

- » Air output: 33,000 m³/hour (low range); 42,000 m³/hour (high range)
- » Individual air output ports which can be blanked off for full management of the airstream depending on canopy requirements
- » Brass double rollover nozzle bodies – 6 per side
- » High pressure AR 80 L/min (50 bar) triple diaphragm pump fitted
- » 50–60 hp power requirement to drive the fan and pump
- » 600 litre main tank with large filling lid and strainer fitted
- » 85 litre flush tank and 15 litre hand wash tank
- » Remote mounted manual tap control

OPTIONS (BOTH MODELS)

- » Electric in-cab control using solenoids
- » Master on/off and electric pressure adjustment

CROPAIR 1000 TRAILED

- » Tank – 1000 litre main tank. 100 litre flushing tanks (confirm volume). Hand wash tank (confirm volume)
- » Fan – 800mm fan. With poly cowl. Single speed. 6 x roll over nozzles per side
- » Pump – 130 L/min, 0–40 Bar rated
- » Drive – standard PTO to pump, shaft supplied
- » Controls – RM40 manual regulator standard comes with remote bracket on drawbar. Manual 2-tap control with manual pressure regulation
- » Agitation – single front venturi agitation

- » Filtration – basket strainer and suction filter
- » Nozzles – brass roll over nozzle bodies
- » Chassis – galvanised chassis, adjustable axle, standard fixed drawbar
- » Wheels – 10.0/80 x 12 implement tyres

CROPAIR 1000 TRAILED OPTIONS

- » **Optional** ARAG left/right proportional shut off with pressure adjustment
- » **Optional** constant velocity PTO shaft in lieu of standard shaft

SPRAY CONTROLLERS



HV4000



BRAVO180-ARAG2

HV4000

Fully automatic spray rate controller for use with motor valves or solenoids using speed and flow inputs, with calibrated values pre-set by the operator.

- » On-the-go spray rate adjustment using pre-set keys
- » Flow-based control using flowmeter for accuracy
- » Tank volume indicator
- » 10 individual operating histories for area, liquid dispensed, distance and hours
- » 4 section control of motor valves or solenoids
- » Adjustable contrast screen, back-lit for night use
- » Pre-settable row widths for on-the-go adjustment
- » L/ha or L/100m options for area-based or unit canopy row based calibration
- » Four screens partitions to display up to four current functions to keep the operator informed
- » **Optional** fan speed control

BRAVO 180

- » Connectivity for GPS input and remote main control
- » USB drive for data transfer and applicable software updates
- » Application specific software for multi-row applications
- » Tank level indicator option (with appropriate sensor)
- » Automatic tank profile calibration via flowmeter
- » Automatic flowmeter calibration capability
- » Auto-stop function if required at set minimum speed
- » Capacity to store 10 job configurations
- » Visual and audio alarms can be set as required
- » Temporary increase/decrease of spray output if required
- » Can be set to L/A and L/100m
- » Display capability for speed, pressure (with optional sensor), flow rate, total output, tank level, area covered, time elapsed and distance covered
- » **Optional** fan speed control



NEW SPRAYWISE HORTICULTURE APPLICATION HANDBOOK

Nufarm's SprayWise Horticulture Application Handbook will answer all your questions on dosage rates, chemical mixing, assessing coverage, nozzle selection, drift, calibration, adjuvants and more.

To order your copy contact Croplands on freecall 1800 999 162.



WINDMATE HAND-HELD WEATHERMETER

Weather plays an important part during application. Measuring conditions on the spot such as wind speed, delta T and temperature make a vital difference in the daily decision making of an applicator. An increasing number of labels make it mandatory to note these conditions before commencing application. For everybody who applies chemicals, the WindMate is a must have tool.

WINDMATE FEATURES

Temperature in °C or °F
Relative humidity in % (does not need re-calibration)
Wet bulb temperature in °C or °F
Dewpoint in °C or °F
Delta T in °C or °F
Windspeed in km/hr, MPH, knots, m/sec, Ft/min and Beaufort (also gives maximum and average)
Compass and wind direction (using wind vane)
Comfort index (takes into account the impact of wind, temperature, relative humidity and sun strength)

Prices and specifications subject to change without notice. Photos are for illustrative purposes only.



NEW

NUPOINT SYSTEM – HOW IT WORKS

**START IMPROVING THE WAY YOU SPRAY.
AS SIMPLE AS 1, 2, 3, 4.**

NuPoint Vehicle tracking and data system for streaming live data to a mobile phone or tablet device. Includes software for reporting, vehicle tracking, display of application map, spray job allocation, live sprayer performance.

1. Install

- » Unpack device and read installation instructions
- » Install the NU750 modem and data storage box in a suitable location in the tractor cab
- » Hook up the supplied cable to either the Croplands HV4000 serial port or Bravo180 Spray controller serial port
- » Hook up the power cable to a suitable supply – suggest to the ignition source so the unit will power down when not in use

2. Download

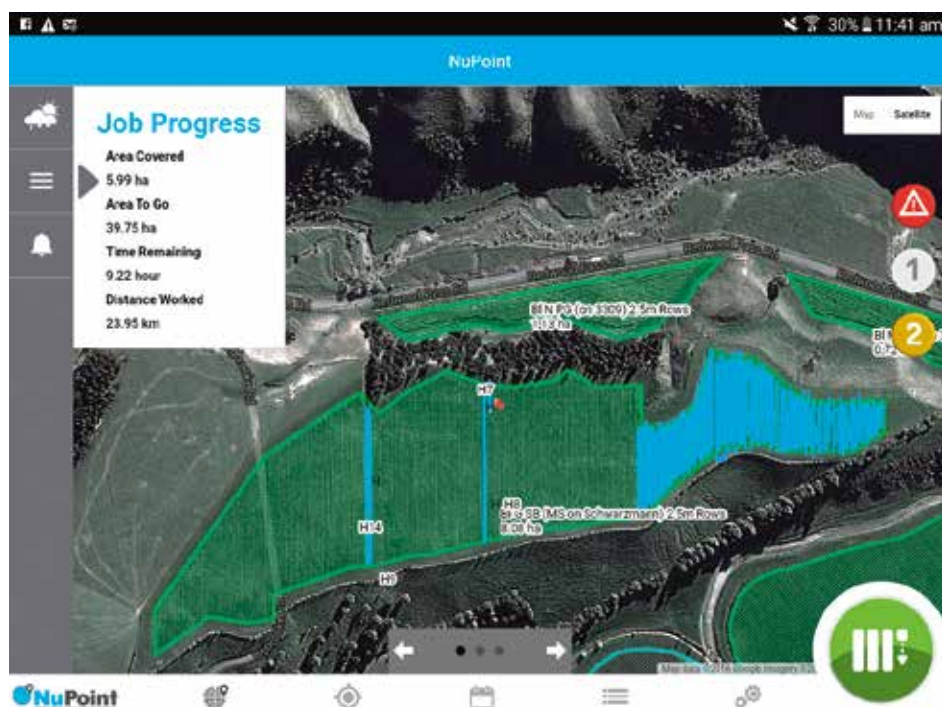
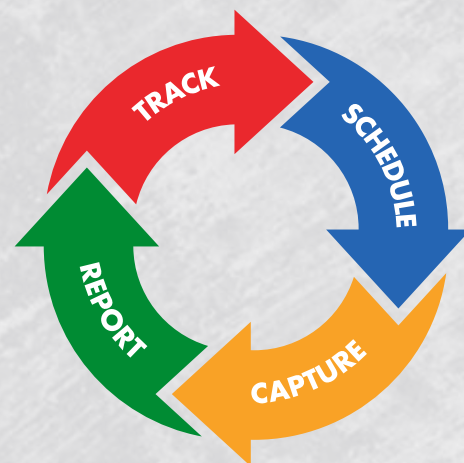
- » Download the NuPoint app to your phone or tablet
- » Download the software to the laptop or desktop computer selected in the office for managing jobs and applications
- » Once installed, connect your phone or tablet wirelessly to the NU750 to begin tracking and using the data supplied to the app by the device
- » Use the instruction guide to begin allocating and managing spray application jobs

3. Use the system to:

- » Trace and track vehicles in the vineyard or orchard
- » Plan and schedule your spraying job – simply drag and drop jobs to the driver's schedule
- » Add markers or maps as needed
- » See other operators working (for multiple units) to ensure jobs are carried out in the right blocks
- » Live tracking of spray application – see if there are any issues with spray rates, speed or area being sprayed

4. Use the collected data and software to:

- » Manage future jobs – schedule in advance
- » Create spray diary records of completed jobs and use charts to analyse and improve spraying job efficiency
- » Use data to discuss improvements with operators and fix any bad habits (overspeed, under-application etc)




NuPoint app in action

NOZZLES FOR VINEYARDS

ALBUZ ceramic nozzles for vineyard crops set the standard in precision and wear resistance. Many of the crop protection products are abrasive and require an air-assisted fan-type sprayer for coverage. The wear characteristics of the highest quality ceramic materials used by ALBUZ means the flow and droplet spectrum is consistent and reliable. Choose from the options below and on the following page for your application. Talk to your Croplands or Nufarm Territory Manager for more information.

CERAMIC CONE NOZZLES FOR VITICULTURE

NOZZLE	TYPE, SPECIFICATION AND USE	FEATURES
ALBUZ ATR 80 	<ul style="list-style-type: none"> Hollow cone 80° Pink ceramic allows high pressure spraying Pressure range: 5–25 Bar Optimum range: 8–15 Bar Uses: all tree, vine and trellis crops 	<ul style="list-style-type: none"> Easily dismantled for easy cleaning Long wear life Precision polished ceramic surface for perfect sealing Ideal for fungicides and insecticides
ALBUZ ATR 60 	<ul style="list-style-type: none"> Hollow cone 60° Pink ceramic allows high pressure spraying Pressure range: 5–25 Bar Optimum range: 8–15 Bar Uses: all tree, vine and trellis crops 	<ul style="list-style-type: none"> Easily dismantled for easy cleaning Long wear life Precision polished ceramic surface for perfect sealing Ideal for fungicides and insecticides

CERAMIC AIR-INDUCTION CONE NOZZLES

NOZZLE	TYPE, SPECIFICATION AND USE	FEATURES
ALBUZ TVI 	<ul style="list-style-type: none"> Hollow cone anti-drift Venturi, 80° Pink ceramic allows high pressure spraying Pressure range: 5–25 Bar Optimum range: 8–15 Bar Uses: all tree, vine and trellis crops Sizes 0050 to 04 	<ul style="list-style-type: none"> Easily dismantled for easy cleaning. ISO colour coded Long wear life Precision polished ceramic surface for perfect sealing Ideal for fungicides and insecticides Excellent wear drift reduction is a priority

** sizes: 050, 075, 01, 015, 02, 025, 03, 04

ALBUZ ATR HOLLOW CONE FLOWRATE CHART

		L/MIN									
		White	Lilac	Brown	Yellow	Orange	Red	Grey	Green	Black	Blue
BAR	5	0.27	0.36	0.48	0.73	0.99	1.38	1.5	1.78	2	2.45
	6	0.29	0.39	0.52	0.8	1.08	1.51	1.63	1.94	2.18	2.67
	7	0.32	0.42	0.56	0.86	1.17	1.62	1.76	2.09	2.35	2.87
	8	0.34	0.45	0.6	0.92	1.24	1.73	1.87	2.22	2.5	3.06
	9	0.36	0.48	0.64	0.97	1.32	1.83	1.98	2.35	2.64	3.24
	10	0.38	0.5	0.67	1.03	1.39	1.92	2.08	2.47	2.78	3.4
	11	0.39	0.52	0.7	1.07	1.45	2.01	2.17	2.58	2.9	3.56
	12	0.41	0.55	0.73	1.12	1.51	2.09	2.26	2.69	3.03	3.71
	13	0.43	0.57	0.76	1.17	1.57	2.17	2.35	2.79	3.14	3.85
	14	0.44	0.59	0.79	1.21	1.63	2.25	2.43	2.89	3.26	3.99
	15	0.46	0.61	0.81	1.25	1.69	2.33	2.51	2.99	3.36	4.12
	16	0.47	0.63	0.84	1.29	1.74	2.4	2.59	3.08	3.47	4.25
	17	0.48	0.64	0.86	1.33	1.79	2.47	2.67	3.17	3.57	4.37
	18	0.5	0.66	0.89	1.37	1.84	2.54	2.74	3.25	3.67	4.49
	19	0.51	0.68	0.91	1.4	1.89	2.6	2.81	3.34	3.76	4.61
	20	0.52	0.7	0.93	1.44	1.94	2.67	2.88	3.42	3.85	4.72

ALBUZ Equivalent*	TVI	Purple 80–0050	Pink 80–0075	Orange 80–01	Green 80–015	Yellow 80–02	Lilac 80–025	Blue 80–03	Blue 80–03	Red 80–04	Red 80–04
TeeJet Equivalent*	TX	TX-VK3	TX-VK4	TX-VK6	TX-VK8	TX-VK12	TX-VK18	TX-VK18	TX-VK18	TX-VK26	TX-VK26
	TXB80	TXB-050VK	TXB-067VK	TXB-01VK	TXB-015VK	TXB-02VK	TXB-03VK	TXB-03VK	TXB-03VK	TXB-04VK	TXB-04VK

Note: Colours in table represent actual nozzle colour. ALBUZ TVI and TeeJet TXB80 nozzle range are ISO colour coded. Nozzles with the same colour have the same output. The ALBUZ ATR and TeeJet TX range are NOT ISO colour coded. Their nozzle colour is not related to a specific output.

SPRAYER SELECTION GUIDE

STANDARD FEATURES AND OPTIONS

Model	Tank Size (l)	Pump (L/min) (LFP = New Poly Pump Model)	Controller Models and Options	Fan Sizes	Axle and Wheel Options	Flush Tank	Hand-Wash Tank	Drive*	Self-steer Drawbar	Fully Enclosed Oil System*	Suction Probe	Quick Fill	Fan Sensor	Air Adjustment	Terracing Kit	Inner Row Adjustment	Outer Row Adjustment
Quantum Mist™ Trailled	1000	AR-135	» Manual tap control STD » Electric OPT	QM420, QM500	» Single axle STD			PTO	OPT	N/A	N/A	N/A	OPT	» Manual STD » Electric OPT	N/A		
	1000	AR-135						» PTO pump drive STD » CV shaft OPT									
Quantum Mist™ Single-row	1500	140 LFP STD,	» Manual tap control STD » Electric OPT	QM500	» Single axle STD » Flotation tyres OPT » Tandem axle OPT	STD	STD	» PTO pump drive STD » Tractor oil supply to fans STD	STD	OPT	STD	STD	OPT	» Manual STD » Electric OPT	OPT		OPT
	2000	160 LFP STD,						» HV4000 auto-rate OPT									
	3000	180 LFP OPT						» Tractor oil supply to fans STD									
Quantum Mist™ Two-row	1500	160 LFP STD,	» Electric OPT » HV4000 auto-rate OPT	QM500				» PTO pump drive STD » Tractor oil supply to fans STD	STD	OPT	STD	STD	OPT	» Manual STD » Electric OPT	OPT		OPT
	2000	180 LFP OPT						» Tractor oil supply to fans STD									
Quantum Mist™ Three-row	2000	180 LFP STD,	» Bravo 180 auto-rate OPT					» Micro Power Pack OPT	STD	OPT	STD	STD	OPT	» Manual STD » Electric OPT	OPT		OPT
	3000	250 OPT															
Quantum Mist™ Smart Spray	2000	AR-185						» PTO pump drive STD	STD	OPT	STD	STD	STD		OPT		
	3000							» Micro Power Pack OPT*									
Quantum Mist™ Smart Spray	2000	AR-185, AR-250 OPT	» Fusion	QM420	» Tandem axle STD	STD	STD	» PTO pump drive STD » Micro Power Pack may be required depending on tractor oil flow	STD	OPT	STD	STD	STD		OPT	Manual STD	STD
	3000																
	4000																
Quantum Mist™ Linkage	600	80 LFP STD, 140 LFP OPT	» Manual tap control STD » Electric OPT » HV4000 auto-rate OPT » Bravo 180 auto-rate OPT	QM500	N/A	N/A	1000 only	» PTO pump drive STD » Tractor oil supply to fans STD	N/A	N/A	N/A	N/A	OPT	» Manual STD » Electric OPT	N/A	N/A	N/A
	800																
	1000																
Cropair	300	50 STD	» Manual tap control STD » Electric OPT	500mm	N/A	STD	STD	» PTO pump and fan drive STD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	600	81 STD		800mm													
	1000	AR-135		800mm				» PTO pump drive STD									

OPT optional STD standard N/A not available Features and options may change without notice

SELECTING THE RIGHT SPRAYER

To select the right sprayer for your production system, we recommend discussing the following with your Croplands dealer:

Crop type: ☐ Wine Grapes ☐ Table Grapes

Vineyard area (Ha):

Terrain: ☐ Flat ☐ Undulating ☐ Hilly ☐ Terraced ☐ Contoured

Row spacing (m):

Canopy height (m): Tree height (m):

Canopy width (m): Tree diameter (m):

Total area (ha):

Overhead irrigation height (m) (if applicable):

Trellis post height (m) (if applicable):

Headland width (m):

Application rates: Season lowest Season highest

Spraying speed range:

Tractor make and model:

Engine capacity (hp):

Oil flow (l./min) from tractor remotes:

NATIONWIDE DEALER LISTING



www.croplands.com.au

NEW SOUTH WALES

Bathurst	On-Trac Ag	02 6332 5655
Coffs Harbour	Coffs Harbour Farm Machinery	02 6654 0658
Cowra	Cowra Machinery Centre	02 6342 5555
Forbes	Forbes Machinery Centre	02 6852 3211
Gosford	Kentan Machinery	02 4302 6100
Griffith	Guidolin Agrimac	02 6964 3400
Gunnedah	Vantage NSW	1300 770 970
Hexham	Kentan Machinery	02 4964 8275
Kempsey	Macleay Valley Mower Centre	02 6562 8822
Lismore	Agrihaus	02 6622 0003
Mudgee	On-Trac Ag	02 6372 2662
Orange	On-Trac Ag	02 6362 5566
Taree	Kentan Machinery	02 6552 5833
Windsor	Windsor Rural Supplies	1300 978 725
Woolgoolga	Coffs Harbour Farm Machinery	02 6654 0658
Young	Carruthers Machinery	02 6382 7233

NORTHERN TERRITORY

Darwin	HD Pump Sales & Service	08 8947 1008
Humpty Doo	HD Pump Sales & Service	08 8988 1254

QUEENSLAND

Atherton	Tableland Pumps & Pipes	07 4091 2277
Ayr	A & B Rural	07 4783 4488
Bowen	Bartec Rural Services	07 4785 2322
Bundaberg	Lindsay Rural	07 4150 0500
Gatton	Lockyer Farm Machinery	07 5462 1888
Innisfail	GF Rural Supplies	07 4061 1066
Murgon	South Burnett Machinery	07 4168 1411
Nambour	Tractor Machinery Implements	07 5476 4888
Rockhampton	Milne Bros. Equipment	07 4927 1888
Stanthorpe	Vedelago Mechanical Repairs	07 4685 2200
Toowoomba	Toowoomba Spray Shop	07 4634 4000
Tully	GF Rural Supplies	07 4068 1002

SOUTH AUSTRALIA

Adelaide	Kubpower	08 8139 7200
Loxton	Ronco Motors	08 8584 5575
McLaren Vale	Pridham Viticulture	0414 600 342
Naracoorte	Kubpower	08 8762 0123
Saddleworth	AW Vater & Co	08 8847 4020
Strathalbyn	Bates Farm Machinery	0417 363 555
Summertown	Kubpower	08 8390 3017
Tanunda	Vater Machinery	08 8563 2008
Waikerie	Errol Matschoss Motors	08 8541 2055

TASMANIA

Statewide	Spray Shop Tasmania	03 6343 1666
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VICTORIA

Ballarat	Central Machinery Services	03 5332 0566
Bendigo	Precision Control	03 5448 8484
Cobram	Cobram Rural	03 5871 3333
Colac	Swayn & McCabe	03 5231 5022
Echuca	Echuca Rural	03 5482 2788
Lilydale	Agpower	03 9739 5006
Mildura	Sunrise Ag	03 5023 0284
Shepparton	Shepparton Rural	03 5832 3500
Swan Hill	Swan Hill Kubota	03 5032 9290
Wangaratta	McGregor Machinery	03 5722 9933
Wodonga	CJ & LH Wiesner	02 6024 6444

WESTERN AUSTRALIA

Albany	AFGR	08 9842 8529
Boyan Brook	AFGR	08 9765 1305
Carnarvon	Carnarvon Tractors	08 9941 3622
Cowaramup	Cowaramup Tractor Sales	08 9755 5207
Donnybrook	Machinery West	08 9731 0700
Forrestdale	Growers Agrishop	08 9397 2800
Manjimup	Southern Forest Machinery	08 9777 2100
Moor	AFGR	08 9651 1363
Muchea	CD Tractor Sales & Service	08 9571 4117
Perth	AFGR	08 9277 1140
Perth	Sprayline Spraying Equipment	08 9250 6100
Wangara	Boya Equipment	08 9409 2008

NATIONAL SALES AND SUPPORT

NORTH TERRITORY MANAGERS

Coastal QLD/NT

Rob Graham 0409 597 462

Central NSW/TAS

Dave Farmer 0427 651 971

SOUTH REGIONAL MANAGER

Neill Morey 0429 512 477

TERRITORY MANAGERS

South NSW

David Hamilton 0427 975 072

South VIC

Jeremy Deck 0430 006 672

SA/TAS

Andrew Germein 0417 848 590

WEST TERRITORY MANAGER WA

Gavin Merritt 0448 022 172

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Tel.....08 8359 9300

Fax.....08 8349 6175

Technical Service 1300 650 724

YOUR CROPLANDS DEALER

OUR RANGE OF BUYERS' GUIDES



OPTIMA



Tree Crop



Self Propelled



WEEDit Optical
Spot Spraying



Broadacre Trailed