

TREE CROP SPRAY RANGE

2020



OUR STORY

IT ALL STARTED WITH APPLES.

Our very first machine made its way into an orchard nearly fifty years ago. Since then we've grown a lot, expanding our range to cover all sorts of tree crops, from citrus to nuts.

Our growth is reflected in the success of our customers. When they're able to protect their crop with a sprayer that's efficient and reliable, they prosper. This understanding of growers has seen Croplands sprayers become a common sight in orchards around Australia, from the Adelaide Hills to the Atherton Tablelands.

Croplands machines are built with a respect for Australia's tough and varying terrain. Engineered to endure, this equipment gives growers the confidence to take on row after row. Saving time, reducing costs and maximising productivity.

And because our range is as diverse as the tree crops farmed throughout the country, there's a machine to suit every grower's needs.

TIMELINE

- 70 Croplands starts manufacturing and selling orchard sprayers. A new tank mould is developed and the distribution of Fieni airblast fans begins. Croplands starts exporting to Australia and the USA.
- 80 Croplands is purchased by Nufarm Ltd and the head office is established in Dry Creek, Adelaide. Australian manufacturing of orchard sprayers begins.
- 90 The slimline 2000L and 2000/3000 litre XL tanks are developed and released along with the innovative Straightening Vane (SV) fan design.
- 00 The new 4000XL tank range is developed and released with the versatile Quantum Mist fan, along with the unique HV4000 controller.
- 10 Croplands range expands with the refinement and completion of the QM500, 420 and 380 Quantum Mist fans, along with the next-generation 920DSV, 1060DVS. The Self-Propelled Cropliner and the Smart Spray are both launched.
- 20 Croplands launches the Cropliner XV and Rover Self-Propelled sprayer.

CONTENTS

4	OUR FANS
5	SELECTING THE RIGHT SPRAYER
6	QUANTUM MIST ULTRA TOWER
8	QUANTUM MIST TOWER
10	CROPLINER XV
12	CROPLINER XL
13	CROPLINER SLIMLINE
14	CROPLINER ROVER
16	CROPAIR RANGE
17	AIRBLAST FANS
18	SPRAY CONTROLLERS
19	NUPOINT

CROPLANDS FANS

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

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 the standard for fan sprayer performance, efficiency, penetration and coverage. And with Fieni fans available from 500mm in diameter to 1060mm, there's a model to meet your orchard's needs.

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

The Quantum Mist fan design is very popular in large-scale tree crop orchards. Delivering excellent spray coverage at high travel speeds so growers can enjoy exceptional efficiency while reducing costs.

To see how Croplands' market-leading fans perform in your orchard's unique conditions, contact your dealer for an on-property demonstration.

TREE CROP SPRAYER SELECTION GUIDE

With the extensive range of equipment that Croplands offers, there's a sprayer that'll suit your operation. To get the best fit for your business, consider the chart below.

	BUSH AND TRELLIS	STONE AND PIP FRUIT	CITRUS	ALMONDS	LARGE TREES
QM U/TOWER			●		●
QM TOWER	●	●			
CROPLINER XV 1060			●	●	●
CROPLINER XL 1060			●	●	●
CROPLINER XL 920		●	●	●	●
CROPLINER XL 820	●	●			
CROPLINER SL 2000	●	●			●
CROPLINER ROVER	●	●			
CROPAIR 1000	●	●			
CROPAIR 600	●				
CROPAIR 300	●				

QUANTUM MIST™ ULTRA TOWER

THE ULTRA TOWER PROVIDES
SUPERIOR COVERAGE AND
ALLOWS YOU TO **COVER**
THE GROUND FASTER,
SAVING TIME AND REDUCING
FUEL COSTS COMPARED
TO TRADITIONAL AIR-BLAST
SPRAYING TECHNOLOGY.



1 FANS
Producing high-volume, turbulent and directional air, Quantum Mist axial fans are designed to deliver maximum spray coverage potential while allowing for faster travel speeds and energy savings compared to traditional air-blast technology. Available with eight or ten individual 500mm Quantum Mist fans delivering up to 167,000m³ per hour, the Ultra Tower provides flexibility for varying canopy types and tree heights.

2 TOWER
Innovative tower design to reach the tallest of tree crops. Hydraulic fold for easy transport and storage.

3 MICRO POWER PACK
Micro Power Pack fully enclosed oil supply system drives all fans with less reliance on tractor hydraulics. Exclusive to Croplands sprayers.

4 PUMPS
Dual pump assembly. Primary pump for liquid delivery to the nozzles and secondary pump for tank agitation. Reliable AR oil-bath positive displacement diaphragm pumps.

5 CONTROLS
4-section in-cab electric controls standard.

6 NOZZLES
Ceramic cone-jet nozzles from ALBUZ are precision polished to ensure perfect sealing, giving precise flow rate and excellent resistance to chemicals and wear. Eight nozzles per Quantum Mist 500mm fan, available in 60 or 80 degree.

7 TANK
High impact, UV-stabilised polyethylene tank 4000L – 80L integrated flush tank and separate 15L fresh water tank. 5000L – separate 10L fresh water tank.

8 CHASSIS/AXLE
Hot-dipped full length chassis with pull-out step and self-steer draw bar standard. Single axle with suspension, fitted with 400 x 22.5 flotation tyres.



QUANTUM MIST™ TOWER

INTENSIVELY GROWN TREE CROPS, SUCH AS STONE FRUIT AND APPLES, REQUIRE MORE SPRAYING THAN MOST OTHER TREE CROPS. THE QUANTUM MIST TOWER SPRAYER **PROVIDES UNRIVALLED COVERAGE OVER STANDARD MODEL SPRAYERS.**

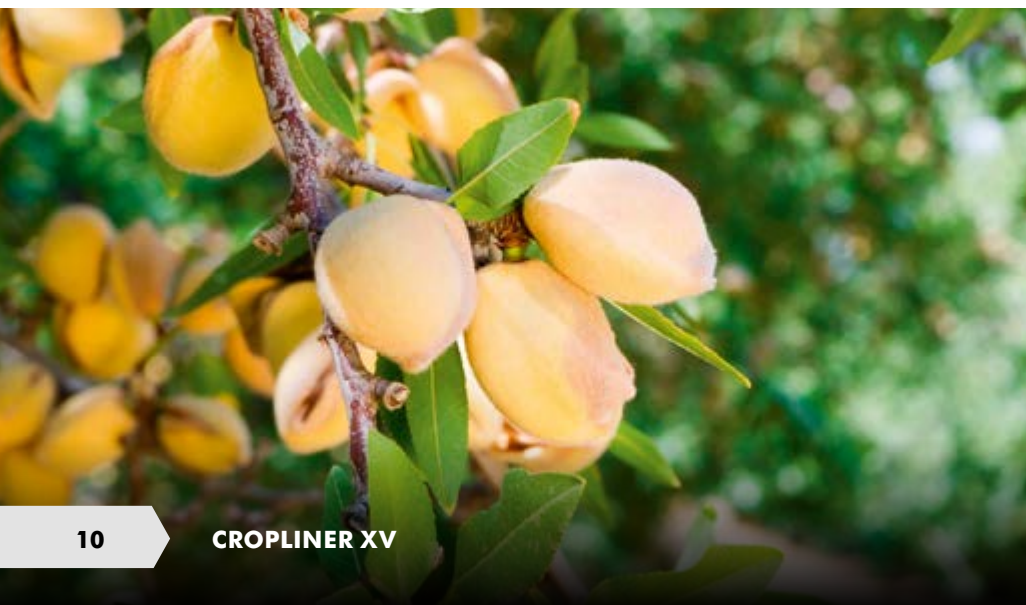


- 1 **FANS**
Six individual 500mm Quantum Mist fans deliver high-volume, turbulent air up to 109,000m³ per hour.
- 2 **TOWER**
Fixed tower design with manual adjustments for fan positioning provides excellent spray coverage in medium-sized tree crops up to 5 metres in height.
- 3 **DRIVE**
Standard tractor-supplied oil supply for fans or optional fully enclosed Micro Power Pack.
- 4 **PUMPS**
AR-185 positive displacement diaphragm pump as standard. Higher volume, brass pump option.
- 5 **CONTROLS**
ECM 4-tap control with pressure adjustment and gauge standard. Optional rate controller selections on page 18.
- 6 **NOZZLES**
Ceramic cone-jet nozzles from ALBUZ are precision polished to ensure perfect sealing, giving precise flow rate and excellent resistance to chemicals and wear. Eight nozzles per Quantum Mist 500mm fan, available in 60 or 80 degree.
- 7 **TANK**
High impact, UV-stabilised polyethylene tanks fitted with separate flushing and fresh water tanks. Available in 4000 XL, 3000 XL, 2000 XL and 2000 Slimline. Slimline model only 1400mm wide.
- 8 **CHASSIS/AXLE**
Hot-dipped full length chassis with pull-out step and self-steer draw bar standard. Single axles – fixed on XL models; width adjustable on Slimline model.



CROPLINER XV

THE PERFECT SOLUTION FOR LARGER SCALE OPERATIONS. CROPLINER XV OFFERS INCREASED TANK CAPACITY AND PUMP COMBINATIONS ON A NEW-HEAVY DUTY CHASSIS FRAME, PAIRED WITH THE INDUSTRY-LEADING 1060 DSV FAN. IT'S SET TO TAKE AIR-BLAST SPRAYER EFFICIENCY TO A WHOLE NEW LEVEL.



- 1 **FAN**
Highly efficient FIENI 1060 DSV fan designed to penetrate tall and dense tree crops. See fan details on page 17.
- 2 **PUMP**
High Pressure AR BHS-200, 4-diaphragm brass pump as standard. Optional IDS-260, 6 x diaphragm brass pump for higher application rates.
- 3 **CONTROLS**
Manual remote-mounted ARBMH50 controller as standard. Optional rate control selections on page 18.
- 4 **NOZZLES**
Brass roll-over nozzle bodies fitted with 1 set (30) stainless steel disc and brass cores and 1 set (30) ALBUZ ceramic hollow cone nozzles to allow a greater choice of application rates. Double brass roll-over nozzle bodies optional.
- 5 **TANK**
High impact, UV-stabilised polyethylene 5000L tank fitted with separate fresh water tank.
- 6 **CHASSIS/AXLE**
New heavy-duty chassis with rear leaf guard/ protection plate. Single suspension axle standard with tandem axle optional.
- 7 **POWER REQUIRED**
Approx. 105 engine HP for operation in normal/ flat conditions.



CROPLINER XL

THE PERFECT SOLUTION FOR OPERATIONS OF ALL SIZES. MULTIPLE TANK AND FAN SIZE COMBINATIONS **CAN BE PERFECTLY MATCHED TO YOUR TRACTOR HP AND BUDGET REQUIREMENTS.**



CROPLINER XL

FEATURES

SUITS

BUSH CROPS

TRELLIS CROPS

MEDIUM SIZE TREE CROPS

- 1 FANS**
Highly efficient FIENI DSV fans designed to generate more air with lower HP. Available in 820mm, 920mm and 1060mm sizes. See fan details on page 17.
- 2 PUMPS**
Quality AR high pressure pumps. AR BHA-140 (alloy) fitted on 1500L models. AR BHS-170 (brass) fitted on 2000, 3000 and 4000L models. Optional AR BHS-200 brass pump for higher volume applications.
- 3 CONTROLS**
Manual remote-mounted ARBMH50 controller as standard. Optional rate controller selections on page 18.
- 4 NOZZLES**
Brass roll-over nozzle bodies fitted with 1 set stainless steel disc and brass cores and 1 set ALBUZ ceramic hollow cone nozzles to allow a greater choice of application rates.
- 5 TANK**
High impact, UV-stabilised polyethylene tanks. Available in 1500, 2000, 3000 and 4000L tank sizes. Fitted with flushing and fresh water tanks.
- 6 CHASSIS/AXLE**
Hot-dipped galvanised, full length chassis with adjustable draw bar and single step. Rear bumper and leaf guard. Single fixed axle as standard.
- 7 POWER REQUIRED**
Approximate engine HP requirements.
Models with: 820 DSV fan = 60 HP,
920 DSV fan = 70 HP, 1060 DSV fan = 105 HP.



CROPLINER SLIMLINE

DESIGNED TO SUIT NARROW OR HIGH DENSITY TREE CROP PLANTINGS, THE CROPLINER SLIMLINE HAS BEEN SHAPED FOR MINIMUM CROP INTERFERENCE.

CROPLINER SLIMLINE

FEATURES

SUITS

BUSH CROPS

TRELLIS CROPS

MEDIUM SIZE TREE CROPS

- 1 **FANS**
Highly efficient FIENI DSV fans designed to generate more air with lower HP. Available in 820mm and 920mm sizes. See fan details page 17.
- 2 **PUMPS**
Quality AR BHS-170 (brass) pump fitted as standard. Optional AR BHS-200 brass pump for higher volume applications.
- 3 **CONTROLS**
Manual remote-mounted ARBMH50 controller as standard. Optional rate controller selections on page 18.

- 4 **NOZZLES**
Brass roll-over nozzle bodies fitted with 1 set (28) stainless steel disc and brass cores and 1 set (28) ALBUZ ceramic hollow cone nozzles to allow a greater choice of application rates.
- 5 **TANK**
High impact, UV-stabilised polyethylene tank fitted with separate fresh 15L water tank. Optional 80L flushing tank. Slimline model only 1400mm wide.
- 6 **CHASSIS/AXLE**
Hot-dipped galvanised, full length chassis with adjustable draw bar and single step. Rear bumper and leaf guard. Single fixed axle as standard.
- 7 **POWER REQUIRED**
Approximate engine HP requirements.
Models with: 820 DSV fan = 60 HP,
920 DSV fan = 70 HP.



CROPLINER ROVER

THE LOWEST PROFILE AND **MOST MANOEUVRABLE SELF-PROPELLED SPRAYER ON THE MARKET.**

IT CAN GET INTO AND SPRAY WHERE A TRACTOR AND SPRAYER COMBINATION SIMPLY CAN'T.



- 1 FAN**
Highly efficient FIENI 820 DSV front entry fan. Downstream straightening vanes. Designed to generate more air with lower HP. See fan details on page 17
- 2 PUMPS**
Quality AR BHS-170 brass pump fitted as standard. Optional AR BHS-200 for higher volume applications.
- 3 CONTROLS**
Fitted standard with HV-2400 auto rate controller. See page 18 for details.
- 4 NOZZLES**
Brass roll-over nozzle bodies fitted, stainless steel disc and brass cores. Number will vary dependent on fan selection.
- 5 TANK**
2000L low profile tank. Key sprayer dimensions: length = 5580mm, width = 1870mm, height = 1370mm, dry weight = 2,630kg.



- 6 OPERATOR STATION**
Fully sealed and air-conditioned cab with carbon filters. Easy navigation with reversing camera and LCD display.
- 7 ENGINE**
4-cylinder turbo charged diesel engine.
- 8 TRANSMISSION**
Mechanical drive.
5 x speed manual with high and low range.
Single speed reverse.
Speed ranges from 1-24 km/hr.
Selectable 2 or 4-wheel mechanical drive.
Selectable 2 or 4-wheel steer (with auto alignment and non-alignment indicator).
Hydraulically operated 4-wheel disc brakes.
Supplied on 400 / 60 x 15.5 flotation tyres.

CROPAIR RANGE

THE CROPAIR LINKAGE AND TRAILED RANGE OF SPRAYERS ARE AS **HIGH QUALITY** AS THEY ARE **COST EFFECTIVE, PERFECT FOR GROWERS** WITH SMALLER OR BOUTIQUE OPERATIONS.



CROPAIR RANGE

FEATURES

SUITS

SMALLER ORCHARDS

BOUTIQUE OPERATIONS

CROPAIR 300L



CROPAIR 600L



CROPAIR 1000L



FAN	Single speed, 500mm fan with adjustable pitch blades.	2-speed, 800mm fan with adjustable pitch blades.	800mm fan, single speed with neutral position. Adjustable pitch blades.
PUMPS	AR 54 L/min high pressure (40-bar) triple diaphragm pump.	AR 80 L/min high pressure (50-bar) triple diaphragm pump.	130 L/min high pressure (40-bar) diaphragm pump.
CONTROLS	Fitted with remote-mounted manual tap control.	Fitted with remote-mounted manual tap control.	Fitted with RM-40 manual 2 x tap control with manual pressure regulator.
NOZZLES	5 x brass rollover nozzle bodies per side.	6 x brass rollover nozzle bodies per side.	6 x brass rollover nozzle bodies per side.
POWER REQUIRED	Approximately 25-30 HP required.	Approximately 50 HP required.	Approximately 50-60 HP required.

AIRBLAST FANS



820MM FRONT-ENTRY FAN

Stainless steel volute.

Variable pitch, high-strength, glass-reinforced nylon blades – shaped for maximum air delivery with lowest possible power input.

2-speed heavy-duty gearbox and centrifugal clutch.

Stainless steel spray ring with 14 brass roll-over nozzle bodies per side.

Fully guarded for safety.

Eliminates trash build up on intake grill.

53,860m³/hour max air output.



820MM DSV FAN

Stainless steel volute.

Variable pitch, high-strength, glass-reinforced nylon blades – shaped for maximum air delivery with lowest possible power input.

2-speed heavy-duty gearbox and centrifugal clutch.

Stainless steel spray ring with 14 brass roll-over nozzle bodies per side.

Fully guarded for safety.

61,908m³/hour max air output.



920MM DSV FAN

Stainless steel volute.

Variable pitch, high-strength, glass-reinforced nylon blades – shaped for maximum air delivery with lowest possible power input.

2-speed heavy-duty gearbox and centrifugal clutch.

Stainless steel spray ring with 14 brass roll-over nozzle bodies per side.

Fully guarded for safety.

83,798m³/hour max air output.



1060MM DSV FAN

Stainless steel volute.

Variable pitch, high-strength, glass-reinforced nylon blades – shaped for maximum air delivery with lowest possible power input.

2-speed heavy-duty gearbox and centrifugal clutch.

Stainless steel spray ring with 15 brass roll-over nozzle bodies per side.

Fully guarded for safety.

108,618m³/hour max air output.

SPRAY CONTROLLERS

1 VISIO CONTROLLER

For growers who wish to monitor their spray application rate but prefer to control the application either manually or with basic electric controls. The Visio monitor offers a cost-effective solution. Coupled with a flowmeter and speed sensor, the Visio can display area applied, spray rate in L/ha, L/min and current speed.



2 HV2400

For growers looking for a basic spray rate controller. Two-section solenoid control with up to 10 pre-set application rates. Programmable alarm settings with L/ha and L/100m capability.



3 HV4000

For the professional operator, providing up to four-section control of motor valves or solenoids. Pre-set row width and application rates for simple, on-the-go adjustments. Multiple screen selections, programmable audio and visual alarms and up to 10 individual operating histories to keep the operator informed. L/ha or L/100m capability. Fully integrated to NuPoint data management system and optional fan speed control.



4 BRAVO 180

For the professional operator requiring GPS integration and data transfer via USB. Up to four-section control of motor valves or solenoids. Pre-set row width and application rates for simple, on-the-go adjustments. Multiple screen selections, programmable audio and visual alarms and up to 10 individual operating histories to keep the operator informed. L/ha or L/100m capability. Fully integrated to NuPoint data management system. Optional fan speed control and tank level indicator.



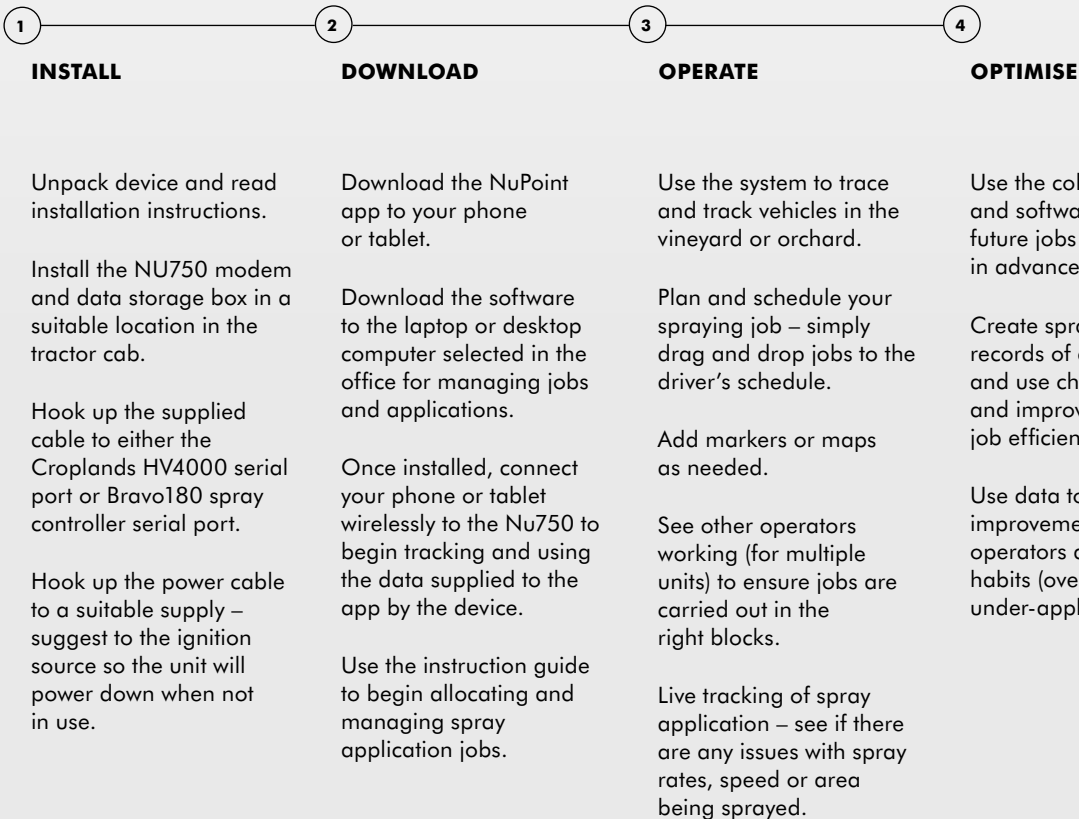
NUPOINT DATA MANAGEMENT SYSTEM

The Nu750 device suits any contractor, grower or operation wanting the option to track, schedule jobs (+maps) wirelessly to their drivers. The internal or optional external antenna allows easy and inexpensive installation. Up to five-section I/O interface captures the details that you are looking for and a 20,000-message buffer ensures nothing is lost, with a back-up battery that allows for short-term or last-gasp tracking when disconnected from the vehicle power supply. Distance, speed, area covered, time and application rates are all seen in real time and are captured for reporting.

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



FOUR SIMPLE STEPS



NATIONAL DEALER LISTING

NEW SOUTH WALES

Albury	Intersales	02 6977 1933
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	Intersales	02 6962 6831
Gunnedah	Vantage NSW	1300 770 970
Hexham	Kentan Machinery	02 4964 8275
Kempsey	Macley Valley Mower Centre	02 6562 8822
Lismore	Agrihaus	02 6622 0003
McGraths Hill	Ace Ohlsson	02 4571 6400
Mudgee	On-Trac Ag	02 6372 2662
Orange	On-Trac Ag	02 6362 5566
Pokolbin	Lawrence's Ag & Machinery Repairs	0414 234 841
Taree	Kentan Machinery	02 6552 5833
Wagga Wagga	Intersales	02 6921 5515

NORTHERN TERRITORY

Darwin	HD Pump	08 8947 1008
Humpty Doo	HD Pump	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	Sunfam Pty Ltd	07 4152 4166
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 4930 0333
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
Saddledworth	Vater Machinery	08 8847 5000
Strathalbyn	Bates Farm Machinery	0417 363 555
Summertown	Kubpower	08 8390 3017
Tanunda	Vater Machinery	08 8563 2008

TASMANIA

Statewide	Spray Shop Tasmania	03 6343 1666
-----------	---------------------	--------------

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

WESTERN AUSTRALIA

Albany	AFGRI	08 9842 8529
Boyup Brook	AFGRI	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
Geraldton	AFGRI Equipment	08 9921 5044
Manjimup	Southern Forest Machinery	08 9777 2100
Moora	AFGRI	08 9651 1363
Muchea	CD Tractor Sales Service	08 9571 4117
Perth	AFGRI	08 9277 1140
Perth	Sprayline Spraying Equipment	08 9250 6100
Wangara	Boya Equipment	08 9409 2008
Witchcliffe	AFGRI Equipment	08 9757 6215

NATIONAL SALES AND SUPPORT

National Sales Manager

Jeremy Rennick 0409 065 994

NORTH

Coastal QLD/NT

Rob Graham 0409 597 462

Central NSW/TAS

Dave Farmer 0427 651 971

SOUTH

South NSW

David Hamilton 0427 975 072

VIC

Jeremy Deck 0430 006 672

SA

Andrew Germein 0417 848 590

WEST

Gavin Merritt

0448 022 172

Scot Craig

0448 337 280

CROPLANDS HEAD OFFICE

Freecall 1800 999 162

Freefax 1800 623 778

Email sales@croplands.com.au

50 Cavan Road Dry Creek SA 5094

YOUR CROPLANDS DEALER