

**CROPLANDS**

# COMPACT SPRAYERS



BUYERS GUIDE • JANUARY 2024

**CROPLANDS.CO.NZ**

CROPLANDS IS COMMITTED TO A SUSTAINABLE FUTURE



For the last 50 years, Croplands has been proudly helping New Zealand farmers eliminate weeds. 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.



S U P P L Y I N G   T H E   I N D U S T R Y ' S   B E S T

**ALBUZ**

 **agrotop**





**BANJ** 

POWERED by **HONDA**™

 **PENTAIR**

 **QUIK CORP**

 **RAVEN**

**SWISSMEX**®

 **Spraying Systems Co.**®

# COMPACT SPRAYERS

## SPRAYING EQUIPMENT & ACCESSORIES

4	LINKAGE
16	BOOMS
19	BOOM ACCESSORIES
20	CROPAIR
22	TRAILPAK
26	RETRASPRAY
27	TRAYPAK
30	CROPPAK
32	KNAPSACKS
34	CROPPAK & SWISSMEX ACCESSORIES
36	REELS & PRESSURE GAUGE ACCESSORIES
37	SPRAY GUNS & LANCES
38	CHEMICAL MIXING & TRANSFER

## SAFETY EQUIPMENT

41	SAFETY PROTECTIVE EQUIPMENT
----	-----------------------------

## FIREFIGHTERS

42	FIREFIGHTERS FIRE SAFETY RANGE
----	--------------------------------

## SPRAY TANKS

43	SPRAY TANKS
----	-------------

## PUMPS

45	AR — LOW PRESSURE PUMPS
46	AR — MEDIUM & HIGH PRESSURE PUMPS
47	AR — MOTORISED PUMPS
48	AR PARTS & ACCESSORIES
49	MANUAL CONTROL VALVES & REGULATORS
50	HYPRO — CENTRIFUGAL PUMPS
51	HYPRO — TRANSFER PUMPS
52	SHURFLO PUMPS & ACCESSORIES
53	FLOJET PUMPS & ACCESSORIES

## CONTROLLERS, VALVES & ELECTRICS

54	ELECTRIC CONTROL KITS
55	AUTO RATE CONTROLLERS
56	MANIFOLDS, SWITCHBOXES & COMPONENTS
57	VALVE KITS ELECTRIC & MANUAL
58	GPS SYSTEMS
59	SPRAYING TOOLS & COVERAGE

## NOZZLES & CAPS

61	SPRAYWISE
62	NOZZLE FLOW CHART
64	SPRAY QUALITY CHARTS
66	AGROTOP — NOZZLE SELECTION
67	ALBUZ — NOZZLE SELECTION
68	HYPRO — NOZZLE SELECTION
69	TEEJET — NOZZLE SELECTION
70	NOZZLE CAPS
71	NOZZLE BODIES & FILTERS
72	SPRAY NOZZLES WIDE ANGLE FLAT & FERTILISER
73	SPRAY NOZZLES SPECIALISED APPLICATION
74	HORTICULTURE — NOZZLE SELECTION
77	TURBODROP® NOZZLES NARROW ANGLE AI
78	BODIES & CAPS FOR HORTICULTURE
79	DISCS & CORES
80	TERMS & CONDITIONS OF SALE
82	EXTENDED CROPLANDS RANGE



THIS GUIDE IS PRINTED ON CARBON NEUTRAL PAPER.  
FINSBURY GREEN PRINTED CARBON NEUTRAL.

# LINKAGE SPRAYERS



**Croplands linkage sprayers are engineered to deliver safe and efficient spray application. Hard-wearing and long-lasting UV-stabilised tanks range in capacity from 300 up to 1600 litres, offering spraying solutions for properties of all sizes.**



#### **Market leading pump capacity**

Fitted with Annovi Reverberi triple-diaphragm positive-displacement pumps, Croplands linkage units deliver optimal flow and pressure



#### **Control and coverage**

Fitted standard to Croplands linkage booms, Agrotop AirMix air-induction nozzles are designed to provide optimal drift control and surface coverage

LINKAGE

# AGRIPAK 300



300L AGRIPAK LINKAGE WITH THE OPTIONAL 4M BOOM

OPTIONS SEE PAGES 14-15

## KEY FEATURES

1. 5-tap control with master on/off lever
2. Isometric gauge for accuracy
3. 10L handwash tank
4. 40L flushing tank
5. Main tank drain
6. Protected nozzles
7. Stainless-steel boom lines
8. Spring-loaded boom breakaways
9. Galvanised boom and frame
10. Easily accessible and protected filter
11. Protected pump supplied with PTO shaft
12. Venturi tank agitation
13. Easy-adjust boom height slides



300L AGRIPAK LINKAGE WITH BOOM

## AGRIPAK 300

WIDTH: 1200MM LENGTH: 900MM HEIGHT: 1420MM WEIGHT: 160KG

		\$ (EX. GST)	PROD. CAT.
<b>LA300</b>	300L AgriPak linkage sprayer with flush tank. Fitted with AR80 liquid-fertiliser-ready pump, UCM 5-way controller fitted (no hose reel or boom – see options)	4,099.00	A
<b>LA300/MBX04</b>	- 4m MBX series boom fitted	5,899.00	A
<b>LA300/MBX06</b>	- 6m MBX series boom fitted	6,290.00	A
<b>LA300/MSCL-2</b>	- double-sided covered boom fitted	6,449.00	A
<b>LA300/XTKIT</b>	- XT boom kit fitted with X Tender boom jets. Standard X Tender nozzles fitted are #24, which gives coverage of up to 8m width depending on height the XT boom kit is mounted. An Ideal choice for hill country or liquid-fertiliser applications	4,734.00	A

Disclaimer: dimensional and weight information supplied is for base model only with no options. This information is subject to change without notice.

LINKAGE

# AGRIPAK600

SCAN FOR  
VIDEO



600L AGRIPAK LINKAGE WITH OPTIONAL BOOM,  
HOSE REEL, ELECTRIC CONTROLS AND FOAM MARKER





600 AGRIPAK LINKAGE WITH BOOM

**KEY FEATURES**

- 1. 5-tap control with master on/off lever
- 2. Isometric gauge for accuracy
- 3. 15L handwash tank
- 4. 80L flushing tank
- 5. Main tank drain
- 6. Protected nozzles
- 7. Stainless-steel boom lines
- 8. Spring-loaded boom breakaways
- 9. Galvanised boom and frame
- 10. 3-way tap by filter to allow tank selection
- 11. Rear-mounted AR triple-diaphragm pump supplied with PTO shaft
- 12. Venturi tank agitation
- 13. Easy-adjust boom height slides

OPTIONS SEE PAGES 14-15

**AGRIPAK 600**

WIDTH: 1400MM LENGTH: 1100MM HEIGHT: 1600MM WEIGHT: 200KG

		\$ (EX. GST)	PROD. CAT.
<b>LA600</b>	600L AgriPak linkage sprayer with flushing tank, handwash tank, AR80 liquid-fertiliser-ready pump, UCM 5-way controller (no hose reel or boom – see options)	4,685.00	A
<b>LA600/MBX06</b>	- 6m MBX series boom fitted	6,876.00	A
<b>LA600/MAX08</b>	- 8m MAX series boom fitted – no self-leveller	8,468.00	A
<b>LA600/MAX08L</b>	- 8m MAX series boom fitted – and self-leveller	9,524.00	A
<b>LA600/MAX10</b>	- 10m MAX series boom fitted – no self-leveller	9,289.00	A
<b>LA600/503</b>	600L AgriPak linkage sprayer with flush tank, handwash tank, high pressure AR503 pump, ARVDR50 controller	6,095.00	A

Disclaimer: dimensional and weight information supplied is for base model only with no options. This information is subject to change without notice.

LINKAGE

# AGRIPAK800

800L AGRIPAK LINKAGE WITH  
THE OPTIONAL 8M BOOM





**KEY FEATURES**

- 1. 5-tap control with master on/off lever
- 2. Isometric gauge for accuracy
- 3. 15L handwash tank
- 4. 80L flushing tank for in-field clean out
- 5. Main tank drain for complete clean out
- 6. Protected nozzles
- 7. Stainless-steel boom lines
- 8. Spring-loaded boom breakaways
- 9. Galvanised boom and frame
- 10. Easily accessible and protected filter
- 11. Rear-mounted AR triple-diaphragm pump supplied with PTO shaft
- 12. Venturi tank agitation
- 13. Easy-adjust boom height slides
- 14. Optional slide-out rear park legs

**OPTIONS** SEE PAGES 14-15

**AGRIPAK 800**

**WIDTH:** 1400MM **LENGTH:** 1000MM **HEIGHT:** 1700MM **WEIGHT:** 200KG

		<b>\$ (EX. GST)</b>	<b>PROD. CAT.</b>
<b>LA800</b>	800L AgriPak linkage sprayer with flushing tank, handwash tank, AR80 liquid-fertiliser-ready pump, UCM 5-way controller (no hose reel or boom – see options)	5,189.00	A
<b>LA800/MAX08</b>	- 8m MAX series boom fitted – no self-leveller	8,972.00	A
<b>LA800/MAX08L</b>	- 8m MAX series boom fitted – and self-leveller	10,028.00	A
<b>LA800/MAX10</b>	- 10m MAX series boom fitted – no self-leveller	9,793.00	A
<b>LA800/MAX10L</b>	- 10m MAX series boom fitted – and self-leveller	10,982.00	A
<b>LA800/503</b>	800L AgriPak linkage sprayer with flush tank, handwash tank, high pressure AR503 pump, ARVDR50 controller	6,225.00	A

Disclaimer: dimensional and weight information supplied is for base model only with no options. This information is subject to change without notice.

LINKAGE

# AGRIPAK1000

LACT1000 AGRIPAK LINKAGE WITH  
10M MANUAL-FOLD BOOM



SCAN FOR  
VIDEO



**KEY FEATURES**

1. 5-tap control with master on/off lever (not pictured)
2. Isometric gauge for accuracy (not pictured)
3. 15L handwash tank
4. 100L flushing tank for in-field clean out
5. Main tank drain for complete clean out
6. Protected nozzles
7. Stainless-steel boom lines
8. Spring-loaded boom breakaways



9. Galvanised boom and frame
10. Easily accessible and protected filter
11. Rear-mounted AR triple-diaphragm pump
12. Venturi tank agitation
13. Easy-adjust boom height slides
14. Slide-out rear park legs and forklift points for safe loading/unloading
15. Fold-up step standard
16. Over-top support for added strength



**OPTIONS** SEE PAGES 14-15

**AGRIPAK 1000**

**WIDTH:** 1420MM **LENGTH:** 1100MM **HEIGHT:** 1800MM **WEIGHT:** 450KG

		<b>\$ (EX. GST)</b>	<b>PROD. CAT.</b>
<b>LAC1000</b>	1000L AgriPak linkage sprayer with flush tank. Fitted with AR80 pump, UCM 5-way controller (base model, no hose reel or boom). Venturi agitation fitted standard	7,793.00	A
<b>LAC1000/8M</b>	- 8m MAX manual-fold boom – 3 sections	11,576.00	A
<b>LAC1000/8ML</b>	- 8m MAX manual-fold boom with self-leveller fitted – 3 sections	12,632.00	A
<b>LAC1000/10M</b>	- 10m MAX manual-fold boom – 3 sections	12,397.00	A
<b>LAC1000/10ML</b>	- 10m MAX manual-fold boom with self-leveller fitted – 3 sections	13,586.00	A
<b>LAC1000/12ML</b>	- 12m MAX manual-fold boom with self-leveller fitted – 3 sections	14,641.00	A
<b>LAC1000/MHL12</b>	- 12m hydraulic-fold boom with self-leveller – 3 sections	24,303.00	A
<b>LAC1000/MHL15</b>	- 15m hydraulic-fold boom with self-leveller – 3 sections	26,143.00	A

Disclaimer: dimensional and weight information supplied is for base model only with no options. This information is subject to change without notice.

LINKAGE

# AGRIPAK PRO 1300 & 1600



## KEY FEATURES

1. Calibrated and UV-stabilised poly tank with sight tube and litres marked
2. Integrated handwash tank
3. 170L flushing tank for in-field clean out
4. 30L chemical mixer/induction unit standard
5. Easy-access drain system for quick draining and clean out
6. Protected large suction filter with shut-off valve for easy cleaning
7. Large filling lid with strainer
8. Nozzles are protected on all booms to avoid damage
9. Stainless-steel boom tubing with non-drip nozzle bodies
10. Integrated 1,000mm hydraulic lift device
11. 160 L/min AR triple-diaphragm pump mounted beneath the tank for excellent suction and safety
12. Dual venturi and bypass agitation
13. Stabiliser legs fitted to the frame to keep unit safe from tipping when parked
14. Forklift points on bottom frame rails to assist with loading/unloading from a vehicle
15. Folding access step for safety
16. Clothing and glove locker

OPTIONS SEE PAGES 14-15

### AGRIPAK 1300 & 1600 - BASE MODELS (NO BOOM)

1300: WIDTH: 2000MM LENGTH: 950MM HEIGHT: 2050MM WEIGHT: 400KG

1600: WIDTH: 2020MM LENGTH: 1050MM HEIGHT: 2150MM WEIGHT: 450KG

		\$ (EX. GST)	PROD. CAT.
<b>LM13/160</b>	1300L linkage base unit with AR160 PTO-drive diaphragm pump. In-cab electric 3-section control unit, flushing and handwash tank. 1,000mm integrated hydraulic height adjuster. 30L chemical mixer fitted. Choose a boom option from page 14, or for standard hydraulic-fold 12 and 15m booms, see below	27,910.00	D
<b>LM16/160</b>	- 1600L linkage base unit	29,332.00	D
<b>LM13/MHL12</b>	1300L linkage base unit with AR160 PTO-drive diaphragm pump. In-cab electric 3-section control unit, flushing and handwash tank. 1,000mm integrated hydraulic height adjuster. 30L chemical mixer fitted. 12m hydraulic-fold MHL boom fitted with individual left/right fold	35,473.00	D
<b>LM13/MHL15</b>	- 1300L linkage base unit and 15m hydraulic-fold MHL boom fitted	37,313.00	D
<b>LM16/MHL12</b>	- 1600L linkage base unit and 12m hydraulic-fold MHL boom fitted	36,895.00	D
<b>LM16/MHL15</b>	- 1600L linkage base unit and 15m hydraulic-fold MHL boom fitted	38,735.00	D

## LINKAGE

# AGRIPAK SPECIAL 1300 & 1600

**AGRIPAK SPECIAL 1300**

		\$ (EX. GST)	PROD. CAT.
<b>LS1300/160</b>	1300L linkage base unit with heavy duty galvanized frame, fitted with AR160 PTO-drive pump, In-cab electric 3 section control, flush tank and handwash tank. 1,500mm integrated hydraulic height adjuster. 30L chemical mixer fitted. Choose a boom spec'd option below, ranging from 16m-21m fully hydraulic side folding. Booms specific to this linkage option only.	35,284.00	D
<b>LS1300/16STD</b>	1300L linkage base unit and 16m standard hydraulic boom fitted	63,614.00	D
<b>LS1300/16GV</b>	1300L linkage base unit with 16m hydraulic fold boom with hydraulic wing lift fitted	70,585.00	D
<b>LS1300/18STD</b>	1300L linkage base unit and 18m standard hydraulic boom fitted	64,058.00	D
<b>LS1300/18GV</b>	1300L linkage base unit with 18m hydraulic fold boom with hydraulic wing lift fitted	71,557.00	D
<b>LS1300/21STD</b>	1300L linkage base unit and 21m standard hydraulic boom fitted	64,502.00	D
<b>LS1300/21GV</b>	1300L linkage base unit with 21m hydraulic fold boom with hydraulic wing lift fitted	72,529.00	D

**AGRIPAK SPECIAL 1600**

		\$ (EX. GST)	PROD. CAT.
<b>LS1600/160</b>	1600L linkage base unit with heavy duty galvanized frame, fitted with AR160 PTO-drive pump, In-cab electric 3 section control, flush tank and handwash tank. 1,500mm integrated hydraulic height adjuster. 30L chemical mixer fitted. Choose a boom spec'd option below, ranging from 16m-21m fully hydraulic side folding. Booms specific to this linkage option only.	35,830.00	D
<b>LS1600/16STD</b>	1600L linkage base unit and 16m standard hydraulic boom fitted	64,159.00	D
<b>LS1600/16GV</b>	1600L linkage base unit with 16m hydraulic fold boom with hydraulic wing lift fitted	71,131.00	D
<b>LS1600/18STD</b>	1600L linkage base unit and 18m standard hydraulic boom fitted	64,604.00	D
<b>LS1600/18GV</b>	1600L linkage base unit with 18m hydraulic fold boom with hydraulic wing lift fitted	72,102.00	D
<b>LS1600/21STD</b>	1600L linkage base unit and 21m standard hydraulic boom fitted	65,048.00	D
<b>LS1600/21GV</b>	1600L linkage base unit with 21m hydraulic fold boom with hydraulic wing lift fitted	73,074.00	D

# OPTIONS



LR2412

## HOSE REELS

\$ (EX. GST)

Page 36	All models	<b>L-R2412</b>	Heavy-duty steel hose reel with 30m hose and Turbo400 gun
	All models	<b>L-R3000</b>	Manual spring-loaded retractable reel, 15m hose and spray lance

1,175.00

517.00



MAX08

## BOOMS

\$ (EX. GST)

Page 18	300, 600, 800, 1000	<b>MSCL-2</b>	Adjustable width covered boom
	300, 600	<b>MBX04</b>	4m MBX series manual cross-fold boom
	300, 600	<b>MBX06</b>	6m MBX series manual cross-fold boom
Page 16	300, 600, 800, 1000	<b>MAX08</b>	8m MAX series manual cross-fold boom
	300, 600, 800, 1000	<b>MAX08L</b>	8m MAX series manual cross-fold boom with self-levelling device
	600, 800, 1000	<b>MAX10</b>	10m MAX series manual cross-fold boom
	600, 800, 1000	<b>MAX10L</b>	10m MAX series manual cross-fold boom with self-levelling device
	600, 800, 1000, 1300, 1600	<b>MAX12L</b>	12m MAX series manual cross-fold boom with self-levelling device
Page 17	300, 600, 800, 1000	<b>GEX06H</b>	6m GEX series hydraulic cross-fold boom
	600, 800, 1000	<b>GEX08H</b>	8m GEX series hydraulic cross-fold boom
	600, 800, 1000, 1300, 1600	<b>GEX10H</b>	10m GEX series hydraulic cross-fold boom
	1000, 1300, 1600	<b>MHL12</b>	12m Hydralink series hydraulic cross-fold boom with self-levelling device
	1000, 1300, 1600	<b>MHL15</b>	15m Hydralink series hydraulic cross-fold boom with self-levelling device

2,350.00

1,800.00

2,191.00

3,783.00

4,839.00

4,604.00

5,793.00

6,848.00

8,450.00

10,374.00

11,226.00

16,510.00

18,350.00



A4065845CW



BTEF-SELETRON



A466852043



XTBOOMKIT

## BOOM EXTRAS

\$ (EX. GST)

Page 17	1000, 1300, 1600	<b>MHL12-2-KIT</b>	Second set of hydraulic hoses to allow individual left and right fold of MHL boom (note – ensure your tractor has sufficient hydraulic remotes)
	All models	<b>GEX-2-KIT</b>	Second set of hydraulic hoses to allow individual left and right fold of GEX boom (note – ensure your tractor has sufficient hydraulic remotes)
N/A	All models	<b>A4065845CW</b>	Adjustable boom-end nozzle with manual tap for fence-line spraying. (Not for use with MSCL-2)
	All models	<b>BTEF-SELETRONRH</b>	Electric fence-line kit to clamp around boom tube – right-hand side. Must have electric or auto-rate control fitted for this option
N/A	All models	<b>BTEF-SELETRONLH</b>	Electric fence-line kit to clamp around boom tube – left-hand side. Must have electric or auto-rate control fitted for this option
	All models	<b>A466852043</b>	Switchbox for Seletron fence-line kit
Page 19	300, 600, 800, 1000	<b>XTBOOMKIT</b>	Kit to mount Croplands XT boomless nozzle kit to your sprayer. Kit includes 2 x #10 XT nozzles on adjustable-swivel nozzle bodies, steel bracket and 2 x clamps for mounting. Hose and fittings to your pump are not supplied
N/A	600, 800, 1000, 1300, 1600	<b>5880-KIT</b>	Brass 5880-3/4-2TOC20 BoomJet for high-volume applications (other sizes available, talk to Croplands)
Page 17	MHL/MAX Booms only	<b>BT-TRIPLEX</b>	BT-TRIPLEX Triple nozzle bodies c/w Airmix jets #02, 025, 03 & caps fitted

810.00

810.00

70.00

458.00

458.00

348.00

730.00

1,368.00

80.00

## HYDRAULIC BOOM LIFT DEVICES

\$ (EX. GST)

N/A	600, 800	<b>LPO60-LIFT</b>	1000mm hydraulic boom-lift with hydraulic hose kit to tractor (requires 1 set hyd tractor remotes)	4,185.00
	1000, 1300, 1600	<b>LT-FMHYDADJUST2</b>	1500mm hydraulic boom-lift with hydraulic hose kit to tractor, this lift must be selected when fitting an MHL Boom to any Agripak	7,350.00



GB383899000V

## BOOM SUSPENSION OPTION

\$ (EX. GST)

N/A	1000, 1300, 1600	<b>GB383899000V</b>	Airbag parallelogram suspension device to protect booms – ideal if a boom-lift device is not fitted or a nitrogen accumulator is not practical	4,398.00
	1000, 1300, 1600	<b>BP-704-7</b>	Hydraulic accumulator suspension kit for strictly MHL booms. If accumulator is selected, the 1500mm lift kit above must also be selected	2,194.00



LH9351A



HT-PROBE

## CHEMICAL MIXING, INDUCTION HOPPER AND QUICK FILL

\$ (EX. GST)

Page 39	300, 600, 800, 1000	<b>A5033301</b>	35L chemical mixing and induction hopper fitted at fixed height at the side of the linkage sprayer. Fully enclosed for safe mixing, with container rinse function	2,807.00
	600, 800, 1000	<b>L-H9351A</b>	60L chemical mixing and induction hopper fitted at fixed height at the side of the linkage sprayer. Fully enclosed for safe mixing, with container rinse function	2,850.00
N/A	All models	<b>HT-QF2</b>	1½" quick fill with camlock fitted. Mounted in the top of the tank	283.00
N/A	600, 800, 1000	<b>HT-PROBE</b>	Optional suction probe fitted	980.00



AR140LFP-C

## PUMP AND PUMP DRIVE UPGRADE

\$ (EX. GST)

Page 45	600, 800, 1000	<b>AR140LFP-C</b>	AR140LFP liquid-fertiliser-ready pump in lieu of standard 80L pump. (133 L/min rated at 0-pressure, 0-15 bar)	1,102.00
---------	----------------	-------------------	---	----------

## ELECTRIC AND AUTO-SPRAY RATE CONTROL OPTIONS

\$ (EX. GST)

Page 54	300, 600, 800, 1000	<b>LT-FMI-E2012</b>	ARAG single-switch electric control kit fitted for boom shut-off using in-cab switchbox (boom-section control is manually done using taps)	160.00
	300, 600, 800, 1000	<b>LT-FMIE2032A</b>	ARAG 3-section electric control kit for individual on/off of 3 boom sections. Includes master on/off and electric pressure adjustment from in-cab switchbox	2,100.00
		<b>LT-FMI-E2032</b>	Geoline option of above electric control kit	1,725.00
Page 55	All models	<b>LT-FMIE2052A</b>	ARAG electric in-cab controller with switchbox. 5-section electric valves for individual section shut off, electric pressure regulating valve and a master on/off can all be operated from the switchbox in the cab or vehicle. Requires a reliable 12V power supply	2,900.00
	All models	<b>LT-FMI-E2052</b>	Geoline option of above electric control kit	2,250.00
		<b>LT-FMBA5000GEO3</b>	Croplands 3-section fully auto spray-rate control of spraying application. Dual-screen display, 3 boom-section control, auto spray-rate adjustment	7,500.00
	<b>BRAVO180-ARAG3</b>	Bravo180 3-section fully auto spray-rate control of spraying application. Dual-screen display, 3 boom-section control, auto spray-rate adjustment	7,900.00	
	<b>LT-FMISOBUSARAG</b>	ARAG IBX ISOBUS interface (no console supplied with this option)	1,102.00	
Page 58	All models	<b>LT-FMTRIMFIQ</b>	Trimble-ready option, field IQ module included, no console included	6,642.00
		<b>BT-ARAG5</b>	5-section ARAG valves	1,216.00



BA5000-GEO5



BRAVO180-ARAG5

## GUIDANCE AND FOAM MARKERS

\$ (EX. GST)

Page 19	All models	<b>A5200052</b>	Double-sided foam marker with in-cab left/right control	3,338.00
Page 58	All models	<b>TOPXD-01</b>	Topcon Manual Guidance with receiver and XD Console	5,826.00
	All models	<b>GD430-GLO-P-L</b>	Matrix 430 GPS mapping system complete with patch antenna (antenna upgrade available, see page 58)	5,991.00

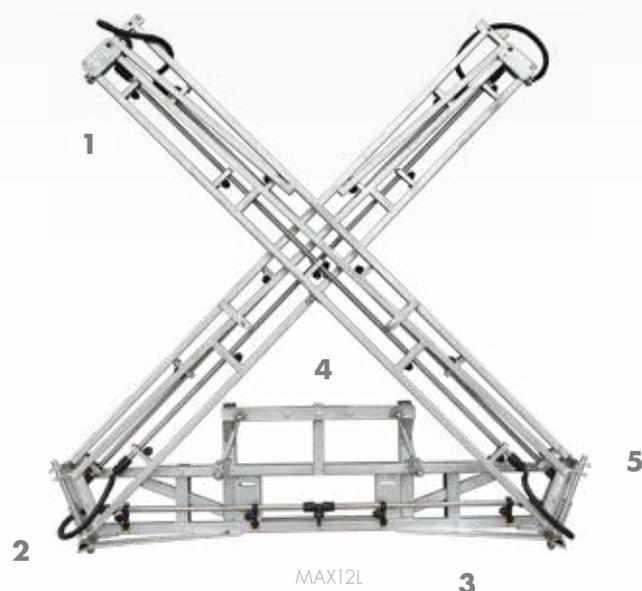


TOPXD-01

## BOOMS

# MANUAL

Made of steel to deliver long-lasting quality, Croplands manual-fold booms feature stainless-steel boom tubing with non-drip nozzle bodies and Agrotop AirMix low-drift nozzles.



### KEY FEATURES

#### MBX

1. Galvanised steel construction
2. Tension spring breakaway for each boom arm
3. Folds neatly behind sprayer/vehicle (with the exception of MB02, which is a fixed boom)

#### MAX

1. Hot-dipped galvanised finish
2. Self-returning breakaway on boom arms
3. Can be plumbed in 3 to 5 sections
4. Self-levelling device standard on 12m boom, optional on 8 and 10m booms. Self-leveller can be locked if required
5. Detach hose with ease

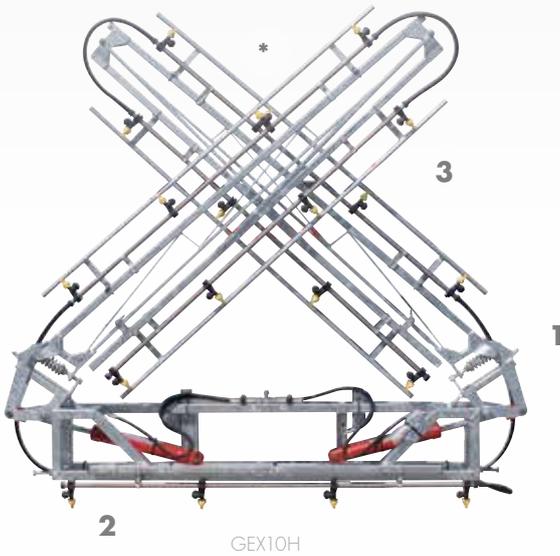
### MANUAL-FOLD BOOMS

		\$ (EX. GST)	PROD. CAT.
<b>MB02</b>	One-piece 2m boom with 4 non-drip nozzles at 500mm spacings	513.00	A
<b>MBX04</b>	4m galvanised boom; 8 non-drip nozzles at 500mm spacings. 1.2m folded width. Ideal for RTVs, small sprayers and utes	1,550.00	A
<b>MBX06</b>	6m galvanised boom; 12 non-drip nozzles at 500mm spacing. Suitable for linkage sprayers, vehicles and traymount sprayers	1,941.00	A
<b>MAX08</b>	8m MAX series cross-fold boom, without self-leveller	3,533.00	A
<b>MAX08L</b>	- with self-leveller	4,589.00	A
<b>MAX10</b>	10m MAX series cross-fold boom, without self-leveller	4,354.00	A
<b>MAX10L</b>	- with self-leveller	5,543.00	A
<b>MAX12L</b>	12m MAX series boom with self-leveller (not available without self-leveller)	6,598.00	A

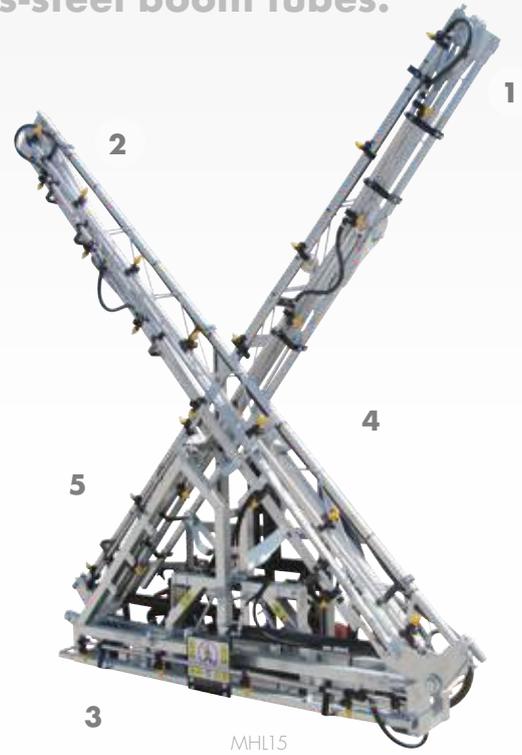
**BOOMS**

# HYDRAULIC

Ideal for small row cropping, vegetables or undulating farm country, Croplands hydraulic boom options feature heavy-duty galvanised steel construction and stainless-steel boom tubes.



GEX10H



MHL15

**KEY FEATURES**

**GEX**

1. Tension breakaway for each boom arm
2. Boom folds hydraulically in cross-fold
3. 8 and 10m models have a flip-over outer section, which needs to be manually secured in the folded position prior to folding the boom for transport

\*Protection rails no longer included or available.

**HYDRALINK**

1. Nozzles and nozzle bodies mounted behind boom
2. Tension breakaway on outer sections
3. Self-levelling centre section standard
4. Boom folds sequentially in cross-fold for transport
5. Using left/right hydraulic kit option, each side can be lifted independently, which also automatically locks the self-levelling system

**HYDRAULIC-FOLD BOOMS**

		\$ (EX. GST)	PROD. CAT.
<b>GEX06H</b>	6m galvanised hydraulic-folding boom; 12 non-drip nozzle bodies, two rams for folding, hydraulically plumbed to fold together. Weight = 87kg	7,950.00	A
<b>GEX08H</b>	8m galvanised half-hydraulic-folding boom; 16 non-drip nozzle bodies, two rams for folding, hydraulically plumbed to fold together. 1m of each end is manually unfolded to make the boom 8m. Weight = 93kg	9,874.00	A
<b>GEX10H</b>	10m galvanised half-hydraulic-folding boom; 20 non-drip nozzle bodies, two rams for folding, hydraulically plumbed to fold together. 2m of each end is manually unfolded to make the boom 10m. Weight = 96kg	10,726.00	A
<b>GEX-2-KIT</b>	Second set of hydraulic hoses to allow left/right individual fold of GEX boom (text on your order)	810.00	A
<b>MHL12</b>	Heavy-duty galvanised 12m full hydraulic-folding boom with 24 nozzles, twin ram with auto-folding tips, hydraulically plumbed to fold both sides together. Central self-locking self-leveller standard	16,010.00	A
<b>MHL15</b>	- with heavy-duty galvanised 15m hydraulic-folding boom with 30 nozzles	17,850.00	A
<b>MHL12-2-KIT</b>	Second set of hydraulic hoses to allow left/right individual fold of MHL boom (text on your order)	810.00	A

## BOOMS

# FIREBREAK, UNDER TREE & COVERED



MVB5-5



MC6 FIREBREAK BOOM  
SHOWN FITTED TO TRAY

### VERTIBOOM

1. Ideal for small horticultural growers
2. Vertical spray application, 5 nozzles per side



MSCL-2 SHOWN NARROW

MSCL-2 SHOWN WIDE

### FIREBREAK BOOM

1. For spraying firebreaks, farm tracks, contours, ditches and fence-lines
2. 1.5m wide with offset nozzles on adjustable-swivel nozzle bodies on each end for additional 1.5m spray each side
3. Ideal for the back of utes or small trailing sprayers



MSO

### SHROUDED BOOM

1. For spraying under sensitive crops such as grapes or trellis tomatoes
2. Single or double-sided options

### UNDER-TREE BOOM

1. Perfect for spraying under trees or hedgerows
2. Galvanised boom with breakaway
3. Extendable outer section with two nozzles can be lifted up for transport

			\$ (EX. GST)	PROD. CAT.
<b>MVB5-5</b>	Vertiboom	5 nozzles per side Vertiboom. Ideal for small horticultural growers	1,501.00	B
<b>MC6</b>	Firebreak boom	1.5m wide Firebreak boom	1,024.00	A
<b>MSCL</b>	Shrouded boom	Single-sided light-covered boom with breakaway and 2 nozzles under spray shield	850.00	A
<b>MSCL-2</b>		Double-sided light-covered boom with left/right shielded booms with breakaways, adjustable width, and a 600mm wide uncovered centre section with 2 nozzles	2,100.00	A
<b>MSO</b>	Under-tree boom	Treeline boom with breakaway and 2 nozzles	1,100.00	A

**BOOM**

# ACCESSORIES

**KEY FEATURES**

**XT BOOM**

1. Target areas not easily accessed by a conventional boom with the Croplands XT Boomless Nozzle kit
2. The XT Boom kit delivers a uniform spray pattern over a distance of up to 6.5m
3. Fitted standard with #10 nozzles, see below chart for more application details



XT BOOM KIT IN ACTION

**BOOM KITS**

		\$ (EX. GST)	PROD. CAT.
<b>XTBOOMKIT</b>	Kit to mount Croplands XT boomless nozzle kit to your sprayer. Kit includes 2 x #10 XT nozzles on adjustable-swivel nozzle bodies, steel bracket and 2 x clamps for mounting. Hose and fittings to your pump are not supplied	701.00	B
<b>XTNOZZLEKIT</b>	XT boomless nozzle kit, includes 2 x #10 XT nozzles on adjustable-swivel nozzle bodies, no bracket, clamps or hoses supplied	569.00	B

Nozzle size	Pressure (bar)	Flow (L/min) 2 nozzles	Application rate L/Ha – at swath width shown km/hr							Approximate swath width at 90cm height (XT 2-nozzle kit)
			4 km/hr	5 km/hr	6 km/hr	7 km/hr	8 km/hr	10 km/hr	12 km/hr	
10	2	6.4	166	132	110	95	83	66	55	5.8
	3	7.8	202	161	134	115	101	81	67	6.5



\*Disclaimer: all values are calculated application rates in L/ha based on the swath width in the far right column and assuming the pressure and flow can be achieved using the pump on your sprayer. 90cm height from the spray target is recommended using Croplands UA300B trailed sprayers but may vary depending on the sprayer being fitted to, the available mounting height, and the vehicle the XT kit is being fitted to. If the height is adjusted upwards the application rate will be lower; if the kit is adjusted to spray wider than the table suggests, the application rate will be lower. The reverse will be true if the height and/or width is reduced. Larger nozzle sizes are available on request. Ensure your pump has adequate flow to achieve the desired spray rate and sprayed width. For more information visit [hypro.pentair.com](http://hypro.pentair.com) and search on XT X Tender nozzles.



UOPRK – PRESSURE REGULATOR KIT



A5200052 – FOAM MARKER AND FOAM

**BOOM ACCESSORIES**

		\$ (EX. GST)	PROD. CAT.
<b>UOPRK</b>	Pressure regulator kit for use with most 12V pumps such as FloJet and SHURflo. Ideal for regulating pressure and flow when a small spray boom is being used	149.00	B
<b>A5200052</b>	Double-sided foam marker kit with in-cab switchbox for use on booms up to approximately 18m (depending on speed of travel) (kit includes foam droppers)	3,209.00	B

# CROPAIR 300, 600 & 1000



HL300/600



HL600/800



HTP1000



## KEY FEATURES

1. Brass roll-over nozzle bodies with non-drip diaphragm
2. Manual-tap control for left/right shut off of spray ring on each side
3. 15L handwash tanks for operator safety
4. Flushing tank
5. Large filling lid
6. Heavy-duty, galvanised frame

NOZZLE SELECTION SEE PAGE 58

## CROPAIR 300

WIDTH: 1000MM LENGTH: 1300MM HEIGHT: 1100MM WEIGHT: 230KG

\$ (EX. GST) PROD. CAT.

HL300/600

Single-speed, 615mm fan with adjustable pitch blades. AR 54 L/min high-pressure (40-bar) triple-diaphragm pump. Fitted with remote-mounted manual tap control. 5 x brass rollover nozzle bodies per side. Approximately 25-30 HP required

11,146.00

A

## CROPAIR 600

WIDTH: 1550MM LENGTH: 1470MM HEIGHT: 1560MM WEIGHT: 390KG

\$ (EX. GST) PROD. CAT.

HL600/800

2-speed, 815mm fan with adjustable pitch blades. AR 54 L/min high-pressure (40-bar) triple-diaphragm pump. Fitted with remote-mounted manual tap control. 6 x brass rollover nozzle bodies per side. Approximately 50 HP required

13,847.00

A

## CROPAIR 1000 TRAILED

WIDTH: 1360MM LENGTH: 3200MM HEIGHT: 2300MM WEIGHT: 800KG

\$ (EX. GST) PROD. CAT.

HTP1000-815

1000L Trailed, 2-speed, 815mm fan with adjustable pitch blades. AR 54 L/min high-pressure (40-bar) triple-diaphragm pump. Fitted with remote-mounted manual tap control. 6 x brass rollover nozzle bodies per side. Approximately 50 HP required

26,176.00

A

## CROPAIR OPTIONS

\$ (EX. GST)

I-S4021

Electric left/right 2-section on/off solenoids, electric pressure adjustment with integrated pressure filter and master switch with dump solenoid.

4,236.00

**200 LITRE**

# CROPAIR SELF- PROPELLED



LINEAR TOWER CROPAIR SELF-PROPELLED SPRAYER



CROPAIR SELF-PROPELLED SPRAYER

## CROPAIR SELF-PROPELLED SPRAYER

**DIMENSIONS WITHOUT ACCESSORIES - WIDTH: 80CM LENGTH: 120CM HEIGHT: 110CM WEIGHT: 338 - 350KG DRY WEIGHT**

**\$ (EX. GST) PROD. CAT.**

**MM2204014**

Self-Propelled machine, designed for application of plant protection products in intensive crops of vineyards, greenhouses and orchards. Self-supporting steel tubular frame, a hydrostatic transmission, 200 - 300L tank capacity, 40L/min 40 Bar AR Pump, coupled to GX390 4 stroke Honda engine. Ideal for use in greenhouses, spans to a width of 80cm.

27,950.00

D

## LINEAR TOWER CROPAIR SELF-PROPELLED SPRAYER

**DIMENSIONS WITHOUT ACCESSORIES - WIDTH: 80CM LENGTH: 120CM HEIGHT: 110CM WEIGHT: 338 - 350KG DRY WEIGHT**

**\$ (EX. GST) PROD. CAT.**

**MM2204014LT**

Self-Propelled machine, designed for application of plant protection products in intensive crops of vineyards, greenhouses and orchards. Self-supporting steel tubular frame, a hydrostatic transmission, 200 - 300L tank capacity, 40L/min 40 Bar AR Pump, coupled to GX390 4 stroke Honda engine. Ideal for use in greenhouses, spans to a width of 80cm.

29,950.00

D

## OPTIONS

**\$ (EX. GST)**

**A4670610-SR100**

Visio spray monitor fitted to measure spray application rate, litres used, area, distance and speed.

3,228.00

SMALL TRAILED 12-VOLT

# TRAILPAK300

SCAN FOR VIDEO



UA300B/20S/6BX

## KEY FEATURES

- Translucent UV-stabilised tank with large sump and graduated markings
- Large, easy-access lid with filling strainer
- Easy-access suction filter and regulator for pressure and flow adjustment
- Rugged, one-piece chassis
- Flotation tyres on sturdy axle
- Safety hitch for safe towing and parking stand
- 12V, 20 L/min (open-flow) pump to enable use with booms up to 6m
- Standard with hose reel, 10m of 10mm hose and spray lance



UA300B FITTED WITH NEW MBX06 BOOM  
– MODEL UA300B/20S/6BX

## Boom fitted models:

- AirMix air-induction low-drift nozzles fitted standard
- Fully protected non-drip nozzle bodies on stainless-steel boom tubes
- Spring-loaded breakaways to protect boom arms

## UA300B 12-VOLT RANGE

WIDTH: 1200MM LENGTH: 2000MM HEIGHT: 1200MM WEIGHT: 120KG

		\$ (EX. GST)	PROD. CAT.
<b>UA300B</b>	Trailer with hitch and 300L tank only – no pump, boom or gun	3,291.00	A
<b>UA300B/20.1S</b>	Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance – ideal for spot sprayers	5,043.00	A
<b>UA300B/20S/4BX</b>	Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 4m boom	6,289.00	A
<b>UA300B/20S/6BX</b>	Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 6m boom	6,726.00	A
<b>UA300B/20S/XTKI</b>	Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and XT boom kit fitted	5,094.00	A

Disclaimer: dimensional and weight information supplied is for base model only with no options. This information is subject to change without notice.

SMALL TRAILED MOTORISED

# TRAILPAK300

Self-contained mobile spraying, designed to be towed behind an ATV, UTV or small tractor.



MVB5-5

**KEY FEATURES**

- Translucent UV-stabilised tank with large sump and graduated markings
- Large, easy-access lid with filling strainer
- Easy-access suction filter and regulator for pressure and flow adjustment
- Rugged, one-piece chassis
- Flotation tyres on sturdy axle
- Safety hitch for safe towing and parking stand
- 25 L/min Honda-powered pump
- Standard with hose reel, 10mm hose and spray lance
- Optional upgrade to auto-rewind remote control RetraSpray reel



UA300B/20/HR30G

**POWERED by HONDA™**

**UA300B MOTORISED RANGE**

WIDTH: 1200MM LENGTH: 2000MM HEIGHT: 1200MM WEIGHT: 120KG

		\$ (EX. GST)	PROD. CAT.
<b>UA300B/20/HR20G</b>	Honda-powered AR252 pump fitted to the UA300B trailing sprayer with 20m of 10mm hose on hose reel with RL10 spray lance	6,932.00	A
<b>UA300B/20/HR30G</b>	Honda-powered AR252 pump fitted to the UA300B trailing sprayer with 30m of 10mm hose on heavy-duty steel hose reel with RL10 spray lance	7,570.00	A
<b>UA300B/20/100RC</b>	Honda-powered AR252 pump fitted to the UA300B trailing sprayer auto-rewind remote control RetraSpray reel fitted	12,422.00	A
<b>UA300B/303/MVB5</b>	Honda-powered AR303 pump fitted to the UA300B trailing sprayer with 5 nozzle per side Vertiboom fitted. Ideal for small horticultural growers	9,515.00	A

Disclaimer: dimensional and weight information supplied is for base model only with no options. This information is subject to change without notice.

SMALL TRAILED

# TRAILPAK 1100 & 1500

A cost-effective sprayer for pasture spraying, small cropping areas and dairy farms.



OPTIONS SEE PAGE 25

## KEY FEATURES

1. 1100 and 1500L tank options
2. Remote tank drain valve and large sump
3. Large, easy-access filling lid with filling strainer
4. Easy-access suction filter with shut-off to allow for in-field cleaning
5. Fully galvanised chassis fitted with sprung axle to protect from premature wear
6. 11.5/80 x 15.3 tubeless agricultural tyres on steel rims
7. Adjustable height swivel towing eye
8. Large side step for easy tank access
9. Liquid fertiliser-ready poly 3-diaphragm pump fitted standard (PTO shaft supplied)



Selection of boom sizes available.

BT1100 SHOWN WITH  
ELECTRIC CONTROLLER OPTION

		\$ (EX. GST)	PROD. CAT.
<b>BT-1100</b>	Base model 1100L trailed sprayer with galvanised chassis, leaf-spring single axle, PTO-drive 80 L/min AR triple-diaphragm pump (0–20 bar rated), ARUCM 5-manual tap control unit, 20L handwash tank and jockey wheel. No boom or reel fitted – add from options next page. PTO supplied	13,520.00	A
<b>BT-1500</b>	Base model 1500L trailed sprayer with galvanised chassis, leaf-spring single axle, PTO-drive 80 L/min AR triple-diaphragm pump (0–20 bar rated), ARUCM 5-manual tap control unit, 20L handwash tank and jockey wheel. No boom or reel fitted. PTO supplied	14,020.00	A

Note: ensure your vehicle is approved for the laden or trailed weight of the sprayer you have chosen.

TRAILPAK 1100/1500

# OPTIONS



8 TO 12M BOOM OPTIONS



I-E2032 ELECTRIC CONTROLS



GB383899000V AIRBAG SUSPENSION



AR140LFP-C POLY PUMP



A5200052 FOAM MARKER



TOPXD-01

## BOOM

		\$ (EX. GST)	SEE MORE
<b>MAX08L</b>	8m MAX series manual cross-fold boom with self-leveller fitted at fixed height (can be adjusted by unbolting and refitting). 2,055mm folded width	4,773.00	16
<b>MAX10L</b>	10m MAX series manual cross-fold boom fitted. Specifications as per MAX08L above	5,765.00	16
<b>MAX12L</b>	12m MAX series manual cross-fold boom fitted. Specifications as per MAX08L above	6,862.00	16
<b>GB383899000V</b>	Parallelogram airbag suspension system for booms	4,398.00	Above

## PUMP

		\$ (EX. GST)	SEE MORE
<b>AR140LFP-C</b>	140 L/min PTO pump in lieu of standard 80 L/min model	1,102.00	45
<b>AR70-5H</b>	AR70 Honda-powered motorised pump in lieu of PTO drive AR80	3,621.00	47

## ELECTRIC AND AUTO SPRAY-RATE CONTROLLERS (IF BOOM IS FITTED)

		\$ (EX. GST)	SEE MORE
<b>LT-FMIE2032A</b>	3-section control of 3 boom sections and pressure control	2,100.00	15
<b>LT-FMBA5000GEO3</b>	3-section auto-rate spray controller for fully automatic spray rate control	7,500.00	15

## FOAM MARKER, GPS AND EXTRA OPTIONS

		\$ (EX. GST)	SEE MORE
<b>A5200052</b>	Double-sided foam marker fitted	3,209.00	19
<b>TOPXD-01</b>	Basic GPS mapping system in lieu of a foam marker. Ideal for knowing where you have applied	5,826.00	58

ELECTRIC REELS

# RETRASPRAY

Take the work out of gun spraying with Croplands-exclusive RetraSpray retractable reel, complete with SupaSlip hose.



OPTIONS SEE PAGES 34-35

## KEY FEATURES

1. 12V 1/5HP low-rev motor directly coupled to the reel
2. 100m high-quality SupaSlip hose
3. Push-button hose retraction and remote-control rewind standard, includes roller guides for hose
4. Connect to 12V DC power source using heavy-duty power cable supplied



B26.901.165MK2

Choose your gun and add to your order



RL10

		\$ (EX. GST)	PROD. CAT.
<b>RSRL3-100RC</b>	RetraSpray single reel with 100m hose and remote control	5,783.00	D
<b>B26.901.165MK2</b>	Turbo400 with metal grip and protected lever, 50 bar (725 psi)	235.00	B
<b>RL10</b>	RL10 gun with 500mm steel lance, adjustable nozzle, suits 100 model	114.00	B

Note: guns sold separately.

**ELECTRIC REELS**

# TRAYPAK

Croplands traymount sprayers are full-operation spraying systems designed to fit on the back of your ute or RTV to give portable delivery of high-pressure, large-volume spray application, whether you're spraying weeds, carting water or fighting fires.



US60F/40/100RT3



US30F/30/100R3



US500/30/100R3

UNIT	WIDTH	LENGTH	HEIGHT	WEIGHT
<b>US20F/25/100R3</b>	1360mm	990mm	805mm	132kg
<b>US30F/30/100R3</b>	1360mm	990mm	805mm	146kg
<b>US500/30/100R3</b>	1200mm	1700mm	1200mm	218kg
<b>US500/40/100RT3</b>	1200mm	1700mm	1200mm	248kg
<b>US60F/30/100R3</b>	1255mm	1575mm	990mm	197kg
<b>US60F/40/100RT3</b>	1300mm	1575mm	990mm	237kg

Disclaimer: dimensional and weight information supplied is for base model only with no options. This information is subject to change without notice.

		\$ (EX. GST)	PROD. CAT.
<b>US20F/25/100R3</b>	200L traymount sprayer with galvanised frame, Honda-powered 25 L/min pump, 12V auto-retractable RetraSpray reel with 100m of non-kink spray hose and Turbo400 gun. 6L handwash tank	9,845.00	A
<b>US30F/30/100R3</b>	300L traymount sprayer with galvanised frame, Honda-powered 35 L/min pump, 12V auto-retractable RetraSpray reel with 100m of non-kink spray hose and Turbo400 gun. 6L handwash tank	10,730.00	A
<b>US500/30/100R3</b>	500L traymount sprayer with galvanised frame, Honda-powered 35 L/min pump, 12V auto-retractable RetraSpray reel with 100m of non-kink spray hose and Turbo400 gun	11,946.00	A
<b>US500/40/100RT3</b>	500L traymount sprayer with galvanised frame, Honda-powered 46.3 L/min pump, twin 12V auto-retractable RetraSpray reels with 100m of non-kink spray hose and Turbo400 guns	15,922.00	A
<b>US60F/30/100R3</b>	600L traymount sprayer with galvanised frame, Honda-powered 35 L/min pump, 12V auto-retractable RetraSpray reel with 100m of non-kink spray hose and Turbo400 gun. 6L handwash tank	11,584.00	A
<b>US60F/40/100RT3</b>	600L traymount sprayer with galvanised frame, Honda-powered 46.3 L/min pump, twin 12V auto-retractable RetraSpray reels with 100m of non-kink spray hose and Turbo400 guns. 6L handwash tank	16,607.00	A

## MANUAL REELS

# TRAYPAK

Croplands motorised sprayers are powered by genuine Honda motors with larger diaphragm pumps to give better spray pressure for those larger jobs.

POWERED by  
**HONDA**™

### KEY FEATURES

1. Heavy-duty hot-dip galvanised frame with carry handles
2. UV-stabilised tank with level markings
3. Large filling lid with basket strainer
4. Large sump for total emptying and easy draining and clean out
5. Genuine Honda motor to power the reliable AR diaphragm pump
6. Steel hose reel with galvanised mount, 30 metres of high-quality hose and Turbo400 gun



US20F/252/HR30

SCAN FOR VIDEO



US30F/30/HR30TG



US60F/30/HR30TG



US600F/40/TWIN



UNIT	WIDTH	LENGTH	HEIGHT	WEIGHT
<b>US20F/252/HR30</b>	1275mm	1015mm	725mm	110kg
<b>US30F/30/HR30TG</b>	1275mm	1015mm	725mm	115kg
<b>US60F/30/HR30TG</b>	1255mm	1475mm	990mm	197kg
<b>US60F/40/TWIN</b>	1255mm	1475mm	990mm	237kg

Disclaimer: dimensional and weight information supplied is for base model only with no options. This information is subject to change without notice.

		\$ (EX. GST)	PROD. CAT.
<b>US20F/252/HR30</b>	New 200L traymount sprayer with galvanised frame, Honda-powered 25 L/min AR pump. Manual two-tap controls, 30m hose reel and Turbo400 gun. 6L handwash tank	5,604.00	A
<b>US30F/30/HR30TG</b>	New 300L traymount sprayer with galvanised frame, Honda-powered 35 L/min AR pump. Manual two-tap controls, 30m hose reel and Turbo400 gun. 6L handwash tank	6,434.00	A
<b>US60F/30/HR30TG</b>	New 600L traymount sprayer with galvanised frame, Honda-powered 35 L/min AR pump. Manual two-tap controls, 30m hose reel and Turbo400 gun. 6L handwash tank	7,058.00	A
<b>US60F/40/TWIN</b>	New 600L traymount sprayer with galvanised frame, Honda-powered 46.3 L/min AR pump. Manual two-tap controls, twin 30m hose reels and Turbo400 guns. 6L handwash tank	8,477.00	A



US500/30/HR30TG



US500/40/TWIN

UNIT	WIDTH	LENGTH	HEIGHT	WEIGHT
<b>US500/30/HR30TG</b>	1200mm	1700mm	1200mm	220kg

Disclaimer: dimensional and weight information supplied is for base model only with no options. This information is subject to change without notice.

UNIT		\$ (EX. GST)	PROD. CAT.
<b>US500/30/HR30TG</b>	TrayPak 500L, AR30 pump, reel with 30m hose and Turbo400 gun, galvanised skid frame	7,245.00	A
<b>US500/70/HR30TG</b>	TrayPak 500L, AR70 pump, reel with 30m hose and Turbo400 gun, galvanised skid frame. AR70 pump is ideal for use with a range of booms (see page 18 and 19)	7,632.00	A
<b>US500/40/TWIN</b>	TrayPak 500L, AR40 pump, twin reel both with 30m hose and Turbo400 gun, galvanised skid frame	8,158.00	A

200 | 300 LITRE

# CROPPAK

Easy to transport and manoeuvre, Croplands 12V powered sprayers are well suited for repeat, spot spray operations.

OPTIONS SEE PAGES 34-35

## KEY FEATURES

1. Rugged translucent tank, UV-stabilised with large filling lid and drain
2. 3-stage filtration - filling screen under lid, suction filter and pressure filter in lance handle
3. Metal lance with adjustable nozzle. Clips into lid for easy storage
4. New galvanised frame for easy handling
5. 6 metres of high-quality 20-bar spray hose fitted
6. Heavy-duty 12V power lead with rocker-switch
7. High-quality electrical connector to pump with waterproof plug for quick and reliable connection



US200F - TANK & FRAME



US300F/15/HR

## LANCE OPTIONS



SW-LANCE-ASSY



SW-LANCE-ADJ-AS

UNIT	WIDTH	LENGTH	HEIGHT
US200F	1320mm	610mm	690mm
US200F/15	1320mm	610mm	690mm
US300F/15	1325mm	610mm	850mm

Disclaimer: dimensional and weight information supplied is for base model only with no options. This information is subject to change without notice.

		\$ (EX. GST)	PROD. CAT.
US200F	New 200L CropPak with new galvanised frame, on-demand 6.8 L/min open-flow pump. 10m spray hose standard with spray lance. Power lead with on/off switch provided	1,629.00	A
US200F/15	New 200L CropPak with new galvanised frame, on-demand 15 L/min open-flow pump, regulator and gauge. 3-way valve enables connection to a boom. 10m spray hose standard with spray lance. Power lead with on/off switch provided	2,176.00	A
US300F/15	New 300L CropPak with new galvanised frame, on-demand 15 L/min open-flow pump, regulator and gauge. 3-way valve enables connection to a boom. 10m spray hose standard with spray lance. Power lead with on/off switch provided	2,343.00	A
US200F/15/HR	New 200L CropPak with galvanised frame, on-demand 15 L/min open-flow pump, regulator and gauge. 3-way valve enables connection to a boom. 10m spray hose standard with Swissmex spray gun and lance. Power lead with on/off switch provided. Fitted with 10m hose reel.	2,542.00	A
US300F/15/HR	New 300L CropPak with galvanised frame, on-demand 15 L/min open-flow pump, regulator and gauge. 3-way valve enables connection to a boom. 10m spray hose standard with Swissmex spray gun and lance. Power lead with on/off switch provided. Fitted with 10m hose reel.	2,640.00	A

30 | 60 | 100 LITRE

# CROPPAK

**KEY FEATURES**

1. Rugged translucent tank, UV-stabilised with large filling lid and drain
2. 3-stage filtration - filling screen under lid, suction filter and pressure filter in lance handle
3. Metal lance with adjustable nozzle. Clips into lid for easy storage
4. Carry handles for easy handling
5. 6 metres of high-quality 20-bar spray hose fitted
6. Heavy-duty 12V power lead with rocker-switch
7. High-quality electrical connector to pump with waterproof plug for quick and reliable connection



**OPTIONS** SEE PAGES 34-35



		\$ (EX. GST)	PROD. CAT.
<b>US30S</b>	30L CropPak, on-demand 6.8 L/min open-flow pump, 6m of spray hose, spray lance and electrical power lead with on/off switch <b>WIDTH: 280MM LENGTH: 640MM HEIGHT: 380MM WEIGHT: 9KG</b>	779.00	A
<b>US60S</b>	As above with 60L CropPak <b>WIDTH: 440MM LENGTH: 760MM HEIGHT: 440MM WEIGHT: 11KG</b>	833.00	A
<b>US100S</b>	As above with 100L CropPak <b>WIDTH: 460MM LENGTH: 1000MM HEIGHT: 460MM WEIGHT: 14KG</b>	892.00	A
<b>US100A/15</b>	100L CropPak, on-demand 15 L/min open-flow pump, pressure regulator and gauge, 6m of spray hose, spray lance and electrical power lead with on/off switch <b>WIDTH: 460MM LENGTH: 1000MM HEIGHT: 460MM WEIGHT: 14KG</b>	1,082.00	A

Disclaimer: dimensional and weight information supplied is for base model only with no options. This information is subject to change without notice.



<b>NEW</b>	<b>ANNIVI REVERBERI CROPPAK</b>	\$ (EX. GST)	PROD. CAT.
<b>AR30</b>	Annovi Reverberi 38L CropPak fitted with AR 3.8L/min 12V pump, 3m of spray hose, spray lance and electrical power lead with on/off switch. <b>WIDTH: 330MM LENGTH: 740MM HEIGHT: 300MM WEIGHT: 8KG</b>	304.00	A
<b>AR60</b>	Annovi Reverberi 60L CropPak fitted with AR 8.3L/min 12V pump, 5m of spray hose, spray lance and electrical power lead with on/off switch. <b>WIDTH: 460MM LENGTH: 860MM HEIGHT: 310MM WEIGHT: 11KG</b>	445.00	A
<b>AR100</b>	Annovi Reverberi 100L CropPak fitted with AR 8.3L/min 12V pump, 5m of spray hose, spray lance and electrical power lead with on/off switch. <b>WIDTH: 370MM LENGTH: 880MM HEIGHT: 530MM WEIGHT: 14KG</b>	500.00	A
<b>AR100/15</b>	Annovi Reverberi 100L CropPak fitted with AR 15.1L/min 12V pump and pressure regulator kit and gauge, 5m of spray hose, spray lance and electrical power lead with on/off switch. <b>WIDTH: 370MM LENGTH: 880MM HEIGHT: 530MM WEIGHT: 14KG</b>	695.00	A

PORTABLE SPRAYERS

# KNAPSACKS

SCAN FOR VIDEO



## KEY FEATURES

1. Adjustable nozzle
2. Long lance
3. Safer port – wide 5½" diameter port with filling strainer
4. Large 15L tank
5. Easy to clean – strong polyethylene tank with UV inhibitors for long life
6. Easy to handle – comfortable handgrip with lever lock
7. In-built pressure filter
8. Dual-piston/diaphragm pump – non-leak, high-quality dual-piston/diaphragm pump (up to 6 bar) with Viton seals and a safety diaphragm – for wear resistance and reliability
9. Padded straps – wide, non-absorbent polyester straps with heavy-duty padding for strength, comfort and safety
10. Sturdy design – one-piece handle folds for easy storage
11. In-built agitator
12. Lid lance clips – for easy storage and carrying
13. Carry handle – offers convenience



### PAKMAN (FITTED TO SPRAYER)

Chemical resistant foam back protector, designed to significantly increase comfort for prolonged spraying needs. Fits SW503 15L knapsack sprayers. A must for making spraying much more comfortable

		\$ (EX. GST)	PROD. CAT.
<b>SW503</b>	Knapsack 15L sprayer with piston/diaphragm	200.00	A
<b>PAKMAN</b>	Back protector for SW503	80.00	C

## INDUSTRIAL



### SW189C

Heavy-duty 15L knapsack designed for industrial use (diesel compatible); wide filling neck, rugged shut-off gun, adjustable nozzle, in-built pressure filter, brass lance. Lance clips into the handle for storage and transport



### SW322-315

High-quality, heavy-duty 9L compression sprayer for use with selected solvents and diesel; wide filling neck, rugged shut-off gun, adjustable nozzle, pressure relief valve, in-built pressure filter, brass lance. Lance clips into the handle for storage and transport



### SW320-310

The Acid Sprayer resists hydrochloric, muriatic and phosphoric acids. Ideal for staining and etching concrete, and dissolving of rust on metal surfaces

## AGRICULTURAL



### SW319

High-quality, heavy-duty 5L compression sprayer; wide filling neck, rugged shut-off gun, adjustable nozzle, pressure relief valve, in-built pressure filter, brass lance. Lance clips into the handle for storage and transport



### SW320

High-quality, heavy-duty 7L compression sprayer; wide filling neck, rugged shut-off gun, adjustable nozzle, pressure relief valve, in-built pressure filter, brass lance. Lance clips into the handle for storage and transport

## BATTERY POWERED



### ASBBS-16A

Rechargeable 12-volt sealed lithium ion battery; voltmeter to see charge level at a glance. Large filling lid. 12-volt diaphragm pump for positive spraying pressure



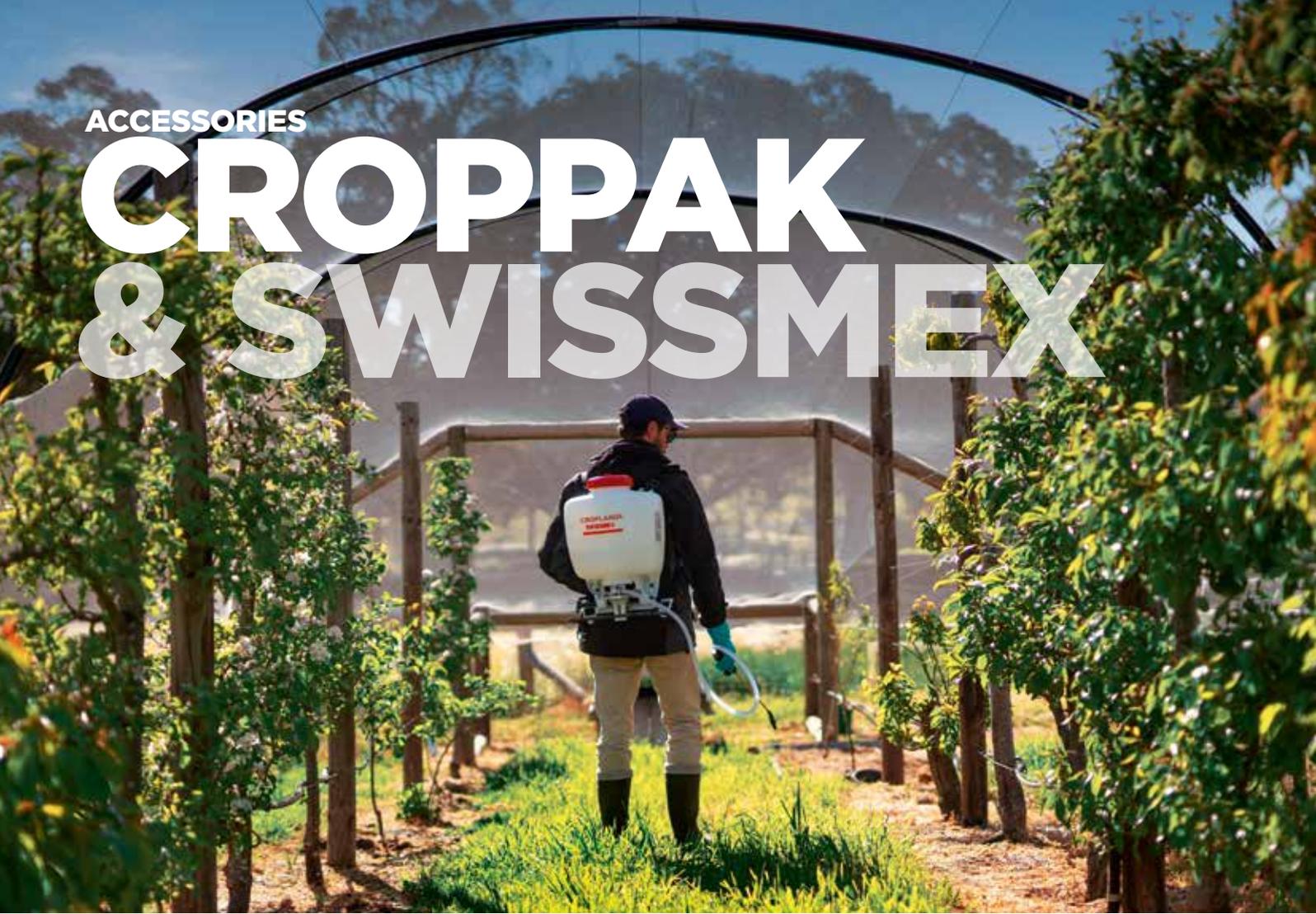
### AR16

Annovi Reverberi 16L 20-volt lithium ion battery powered knapsack. Hassle-free and fuel-free. Easy to fill large screw cap with filter. Equipped with cushioned straps for extra comfort. Four nozzles for a variety of applications. 1.5L/min pump fitted. Battery base charger included

		\$ (EX. GST)	PROD. CAT.
<b>SW189C</b>	Knapsack 15L sprayer (diesel)	240.00	C
<b>SW322-315</b>	Compression 9L sprayer – solvent model	262.00	C
<b>SW320-310</b>	Acid knapsack 7L sprayer	249.00	C
<b>SW319</b>	Compression 5L sprayer	86.00	A
<b>SW320</b>	Compression 7L sprayer	102.00	A
<b>ASBBS-16A</b>	16L lithium ion battery powered knapsack with 3.2L/min pump. Suitable for small boom application.	385.00	A
<b>AR16</b>	AR 16L lithium ion battery powered knapsack with 1.5L/min pump. Ideal for single spot spraying.	320.00	A

ACCESSORIES

# CROPPAK & SWISSMEX



Spray lances for our range of CropPak sprayers, knapsack sprayers and compression sprayers.



SW-LANCE-ASSY



SW-LANCE-ADJ-AS

## SPRAY LANCES

		\$(EX. GST)	PROD. CAT.
<b>SW-LANCE-ASSY</b>	Complete spray gun with brass lance, adjustable nozzle and hose connector fitted (in-built pressure filter)	69.00	C
<b>SW-LANCE-ADJ-AS</b>	Complete spray gun with extendable fibreglass lance, adjustable nozzle and hose connector fitted (in-built pressure filter)	86.00	C



SW219-142C



SW803-085

## EXTENSION LANCES

		\$(EX. GST)	PROD. CAT.
<b>SW219-142C</b>	1000mm spray lance extension to fit Swissmex trigger assembly, with nozzle	42.00	C
<b>SW219-143C</b>	1500mm spray lance extension to fit Swissmex trigger assembly, with nozzle	42.00	C
<b>SW219-146C</b>	2000mm spray lance extension to fit Swissmex trigger assembly, with nozzle	51.00	C
<b>SW803-085</b>	Brass spray lance, 520mm (standard lance), nozzle not included	36.00	C
<b>SW219-236C</b>	Telescopic lance (to 940mm), with nozzle	37.00	C



SW219-140C



SW219-147C 2-NOZZLE BOOM (NARROW)

## SPRAY BOOMS TO FIT THE LANCE ASSEMBLY

		\$ (EX. GST)	PROD. CAT.
<b>SW219-147C</b>	2-nozzle boom, narrow	36.00	C
<b>SW219-140C</b>	2-nozzle boom, 500mm	36.00	C
<b>SW219-148C</b>	2-nozzle boom, 750mm	44.00	C
<b>SW219-138C</b>	3-nozzle boom, 1000mm	53.00	C
<b>SW219-151C</b>	3-nozzle boom, 1500mm	61.00	C
<b>SW219-282C</b>	4-nozzle boom, 1500mm	96.00	C



SW803-262C



SW219-089C



XR8003-VK



TDAM-AN-04

## NOZZLES

		\$ (EX. GST)	PROD. CAT.
<b>SW803-262C</b>	Plastic adjustable nozzle complete with cap and gasket	7.00	C
<b>SW219-089C</b>	Brass adjustable nozzle complete with cap and gasket	31.00	C
<b>XR8003-VK</b>	80° flat-fan nozzle for use with spray guard or lance	14.00	B
<b>TDAM-AN-04</b>	AirMix® anvil type air-induction flat-fan nozzle	19.00	C



SW219-099



SW219-117

## LANCE ACCESSORIES

		\$ (EX. GST)	PROD. CAT.
<b>SW219-099</b>	Herbicide spray guard, 400mm, large	23.00	C
<b>SW219-117</b>	Herbicide spray guard, 220mm, small	13.00	C
<b>AT15128</b>	Constant flow valve, 3 bar	160.00	C



SW808-073C



SW808-014



SW502-191



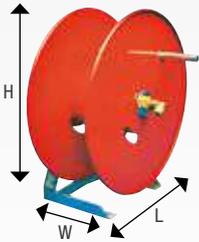
SWRPK503

## COMMON REPLACEMENT COMPONENTS AND KITS

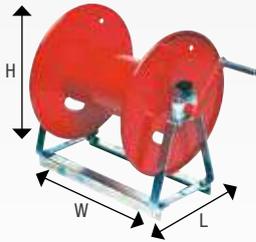
		\$ (EX. GST)	PROD. CAT.
<b>SW808-073C</b>	Complete trigger assembly	33.00	C
<b>SWRPK120</b>	Repair/service kit for SW319 and SW320	37.00	C
<b>SWRPK189</b>	Repair/service kit for SW189	18.00	C
<b>SWRPK189C</b>	Repair/service kit for SW189C	55.00	C
<b>SWRPK503</b>	Repair/service kit for SW503 (diaphragm not included in kit)	29.00	C
<b>SW503-031</b>	Diaphragm to suit SW503 Knapsack	17.00	C
<b>SW502-191</b>	Elbow connector 90° – outlet to hose from tank	24.00	C
<b>SW808-014</b>	Hose tail to fit 3/8" (10mm) hose – attached to back of trigger assembly	4.50	C
<b>SW502-001C</b>	Red tank lid – suits all models (pictured left)	30.00	C
<b>SW501-002</b>	Lid seal (pictured left)	6.50	C
<b>SW501-004</b>	Lid strainer (pictured left)	8.00	C

## ACCESSORIES

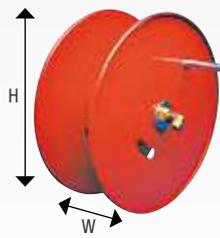
# REELS & PRESSURE GAUGE



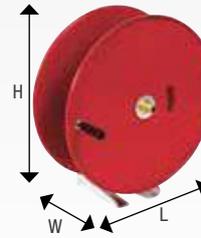
L-R0240



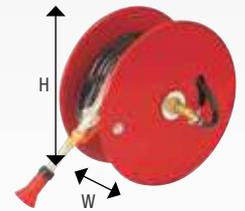
L-R0250



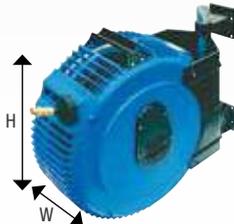
L-R0260



L-R0230



L-R2412



L-R3000

UNIT	WIDTH	LENGTH	HEIGHT	WEIGHT
<b>L-R0240</b>	270mm	450mm	560mm	–
<b>L-R0250</b>	540mm	450mm	510mm	–
<b>L-R0260</b>	200mm	–	450mm	–

UNIT	WIDTH	LENGTH	HEIGHT	WEIGHT
<b>L-R0230</b>	270mm	580mm	630mm	–
<b>L-R2412</b>	270mm	450mm	560mm	–
<b>L-R3000</b>	220mm	–	490mm	–

## REELS

		\$ (EX. GST)	PROD. CAT.
<b>L-R0240</b>	Base-mount model, 50m capacity* (bare reel)	1,063.00	A
<b>L-R1412</b>	Base-mount model comes with 30m of 10mm spray hose and Turbo400 spray gun	1,231.00	A
<b>L-R0260</b>	Side-mount (with bracket), 50m capacity* (bare reel)	733.00	A
<b>L-R2412</b>	Side-mount (with bracket), comes with 30m of 10mm spray hose and Turbo400 spray gun	1,129.00	A
<b>L-R2412HP</b>	Replacement reel for US500/30/HR30TG high pressure (40 bar)	1,318.00	A
<b>L-R0250</b>	Large-base mount model, 100m capacity* (bare reel)	1,609.00	D
<b>L-R0230</b>	Slim-line steel hose reel, galvanised base-mount model, 100m capacity* (bare reel)	1,162.00	D
<b>L-R3000</b>	High-impact poly reel, spring retractable; 15m of 10mm spray hose and threaded end-fitting (no gun fitted)	497.00	D

\*All bare capacities are for 10mm spray hose. L=length, W=width, H=height; dimensions may change without notice and do not include side-bracket on side-mount reels. Dimensional and weight information supplied is for base.



L-G1432



L-G1426



L-G1626



A908006

## PRESSURE GAUGES

GLYCERINE-FILLED GAUGES IN 63MM AND 100MM SIZES

		MAX PRESS BAR	MAX PRESS KPA	MAX PRESS PSI	\$ (EX. GST)	PROD. CAT.
<b>A908006</b>	Pressure gauge, 40mm, 0–600 kPa CBM	6	600	90	58.00	B
<b>L-G1426</b>	Isometric pressure gauge, 63mm, ¼" bottom-entry	25	2500	360	58.00	D
<b>L-G1425</b>	Pressure gauge, 63mm, ¼" bottom-entry	25	2500	360	44.00	D
<b>L-G1430</b>	Pressure gauge, 63mm, ¼" bottom-entry	40	4000	580	44.00	D
<b>L-G1432</b>	Pressure gauge, 63mm, ¼" bottom-entry	60	6000	870	44.00	D
<b>L-G1602</b>	Pressure gauge, 100mm, ¼" bottom-entry	25	2500	360	74.00	D
<b>L-G1611</b>	Pressure gauge, 100mm, ⅜" bottom-entry	16	1600	230	108.00	D
<b>L-G1612</b>	Pressure gauge, 100mm, ⅜" bottom-entry	25	2500	360	108.00	D
<b>L-G1660</b>	Pressure gauge, 100mm, ⅜" bottom-entry	60	6000	870	108.00	D
<b>L-G1626</b>	Isometric pressure gauge, 100mm, ⅜" bottom-entry	25	2500	360	135.00	D

**ACCESSORIES**

# SPRAY GUNS & LANCES



SW-LANCE-ASSY



SW-LANCE-ADJ-AS



RL10

**SPRAY GUNS & LANCES**

		\$ (EX. GST)	PROD. CAT.
<b>SW-LANCE-ASSY</b>	Swissmex gun and lance	69.00	C
<b>SW-LANCE-ADJ-AS</b>	Swissmex gun and extendable lance	86.00	C
<b>RL10</b>	RL10 gun with 500mm steel lance, adjustable nozzle	114.00	B



AA30L-PP



AA30L-1/4



AA31



AA43HA-8 AND AA43LA-8



B26.901.165MK2



B46.901.46RG



B7.901.10



B35.901.16

**SPRAY GUNS**

		\$ (EX. GST)	PROD. CAT.
<b>AA30L-PP</b>	TeeJet GunJet poly spray gun, 10 bar (150 psi)	144.00	B
<b>AA30L-1/4</b>	TeeJet GunJet drip-free spray gun, 17 bar (250 psi)	174.00	B
<b>AA31</b>	TeeJet forged brass trigger gun, 35 bar (500 psi)	185.00	B
<b>AA43HA-8</b>	TeeJet heavy-duty high-pressure gun, 55 bar (800 psi)	425.00	B
<b>AA43LA-8</b>	TeeJet heavy-duty medium-pressure gun, 14 bar (200 psi)	403.00	B
<b>B26.901.165MK2</b>	Turbo400 with metal grip and protected lever, 50 bar (725 psi)	235.00	B
<b>B46.901.46RG</b>	Turbo400RG gun with ergonomic grip and positive-notch droplet selection, 40 bar (580 psi)	299.00	B
<b>B7.901.10</b>	Evolution turbine gun, 60 bar (850 psi)	450.00	B
<b>B35.901.16</b>	Spot-spray gun, pistol type, 40 bar (580 psi)	175.00	B

ACCESSORIES

# CHEMICAL MIXING & TRANSFER



# CHEMPAK



A5033301

### 30L CHEMICAL MIXER

1. Can handle liquids, powders and granulated products
2. Venturi suction system with integrated drain valve
3. Three venturi options to adapt to the pump type being used
4. Easy-to-understand tap controls for chemical mixing, mixer rinse and container cleaning system
5. Integrated lifting handle
6. Simple mounting system to ensure easy fit up to existing sprayers
7. Optional suction probe



L-H9351A

### 60L CHEMICAL MIXER

1. Large access lid, fully sealed for safety
2. External and internal level markings
3. Dual-filling and product-agitation jets for rapid mixing
4. Container rinse nozzle capable of rinsing up to 20L containers
5. Mixer rinsing nozzle mounted directly under the lid for complete cleaning
6. Large taps for easy operation
7. Venturi with shut off valve
8. Sturdy handle and mount
9. Optional drop-down bracket available
10. High-flow capacity via large venturi



L-H9353B

### STAND ALONE 60L MIXER

1. Trolley-mounted Croplands chemical mixer for stand-alone mixing operations
2. Same features as itemised on left unit without pump. Requires a pressurised water source to allow mixing, filling and venturi to operate correctly – the pump on the sprayer could be used
3. Unit with 240V pump best used where a water tank and power is available but no existing pressurised water source is available

## CHEMPAKS

		\$ (EX. GST)	PROD. CAT.
<b>A5033301</b>	30L chemical mixer and transfer hopper for use with smaller trailed sprayers, linkage sprayers and traymount units. Includes universal mount, 3-tap control bank, container rinse and venturi options to match to the pump size and type being used	2,699.00	B
<b>L-H9351A</b>	Croplands 60L chemical mixer and transfer hopper for use with larger trailed sprayers, linkage sprayers and traymount units. Includes universal mount, taps for mixing, container rinse and system cleaning. Cleaning nozzle mounted directly under lid for complete clean out. Internal and external markings	2,740.00	A
<b>L-H9353B</b>	Croplands 60L chemical mixer as described above on a handy trolley frame. Ideal for use at a chemical mixing station where an external pressurised water supply is available using an existing filling pump or similar	3,599.00	A
<b>L-H9353C</b>	Croplands 60L chemical mixer as described above on a handy trolley frame with 240V centrifugal pump fitted. Ideal for use at a chemical mixing station where an external water tank is available along with mains power to power the pump	5,718.00	A
<b>L-H9355A</b>	Optional spring-loaded drop-down mount for Croplands 60L mixer model L-H9351A. Ideal where operator height is an issue	1,398.00	D

# CHEMICAL MIXING & TRANSFER



L-H9005 5L JUG



L-H9025 25L JUG

## MIXING JUGS

		\$ (EX. GST)	
<b>L-H9001</b>	Croplands calibrated 1L measuring jug	25.00	D
<b>L-H9003</b>	Croplands calibrated 3L measuring jug	40.00	D
<b>L-H9005</b>	Croplands calibrated 5L measuring jug	56.00	D
<b>L-H9025</b>	Croplands heavy-duty 25L calibrated mixing bucket with pouring spout	89.00	D

## CHEMICAL TRANSFER

1. AgRunner chemical transfer unit for easy and accurate chemical transfer
2. Pump has nylon housing with Viton seals and multiple pump-chamber design to ensure long-life performance and durability



SHUFM-1100I



SHUSF-1105



L-H9556



L-H9562A



SHUSF-1105PTS1

## CHEMICAL TRANSFER

		\$ (EX. GST)	PROD. CAT.
<b>SHUSF-1105PTS1</b>	The AgRunner portable mini-bulk transfer system uses a 12V SHURflo chemical transfer pump for pumping liquid agricultural chemicals from bulk containers into chemical mixers or spray tanks. The unit has a handy carry frame to protect the pump unit, pump-mounted flow indicator, 6m of power cable, shut-off gun, 4m discharge hose, and a camlock inlet fitting with shut-off and 4m inlet hose	3,799.00	B
<b>SHUSF-1105</b>	12V SHURflo pump unit only, Viton valves, Santoprene diaphragms with internal bypass and 6m power cable. On/off switch on the pump. 29 L/min output at 15 psi pressure. Draws 14 amps	1,350.00	B
<b>SHUFM-1100I</b>	Pump-mounted electronic flowmeter with LCD display and long-life lithium battery	999.00	B
<b>L-H9562A</b>	Three-pin Envirodrum male coupling	1,116.00	D
<b>L-H9556</b>	Three-pin Envirodrum rinsing socket (must be connected to fresh-water source)	395.00	D

**SAFETY**

# PROTECTIVE EQUIPMENT

**SAFETY EQUIPMENT**

		\$ (EX. GST)	PROD. CAT.
<b>L-H230*</b>	Disposable protective suit. Suitable for single or limited repeat use for protection against dust while mixing chemicals. Not rainfast. *Denotes size as follows: 1 = Medium; 2 = Large; 4 = XL; 5 = XXL	25.00	D
<b>L-H700*</b>	Nitrile protective spray gloves, 330mm. *Denotes size as follows: 3 = size 10; 5 = size 11	11.00	D
<b>L-H710*</b>	Nitrile protective spray gloves, long, 460mm. *Denotes size as follows: 2 = size 9; 3 = size 10; 4 = size 11	28.00	D

**COVERALLS** L-H230

Tyvek® Barrier Man Coveralls are disposable coveralls designed to protect workers from hazardous materials, or sensitive products and processes from contamination by people. Available in white, sizes medium to XXL



**GLOVES** L-H700

Offers resistance to solvents and oils with good flexibility and dexterity. Excellent abrasion and puncture resistance. Available in sizes 9-11



**RESPIRATOR** L-H3016



**FILTER** KASCO-0601/19



**MASK** L-H3300

Please note: once opened replace after 6 months.

**RESPIRATORS**

		\$ (EX. GST)	PROD. CAT.
<b>L-H3016</b>	K80-T9R respirator complete with helmet, blower unit and belt, single filter and 12V cable-charger for connection to a continuous 12V power source such as a tractor or vehicle. This unit will operate for approximately 30 minutes without the 12V power source from a small battery in the blower unit. Optional 240V charger available to charge the battery for 30 minutes of use if required as a stand-alone function. Designed to be continuously powered while in use. Agricultural use only	1,700.00	D
<b>L-H3017A</b>	K80-T5 respirator complete with helmet, blower unit and belt, single filter and lithium battery pack – also carried on the belt. For agricultural use only. Unit not pictured	1,990.00	D

**KASCO FILTERS**

	DESCRIPTION	CLASS	COLOUR ON CARTRIDGE	PROTECTION AGAINST	\$ (EX. GST)	
<b>KASCO-0601/19</b>	ZA2P3 Filter	P3R		Particles, liquid and solid aerosols, organic vapours and gases	129.00	D
<b>KASCO-0601/25</b>	ZA2B2P3 Filter	A2P3R		Particles, liquid and solid aerosols, organic vapours and gases, inorganic vapours and gases. Suitable for HiCane use	145.00	D

**MASKS AND FILTERS**

		\$ (EX. GST)	
<b>L-H3300</b>	SR100 silicone mask for superior face seal. Double anti-clog exhaust valves, filter not included	196.00	D
<b>L-H3500</b>	Particle filter P3 (210/310) particles, wet and dry dust, aerosols, mould, bacteria, viruses, smoke, mist and fumes	68.00	D
<b>L-H3501</b>	Pre-filter 221-1 (pack of 10)	24.00	D
<b>L-H3502</b>	Gas filter A1 (217) organic vapour such as solvents – regular capacity	85.00	D
<b>L-H3503</b>	Gas filter A2 (218) organic vapour such as solvents – high capacity	85.00	D
<b>L-H3505</b>	Gas filter ABEK1 (297) organic vapour such as solvents and inorganic vapour, acid gas and ammonia	95.00	D

FIRE SAFETY RANGE

# FIREFIGHTERS

Don't take risks with your property – gear up for the fire season with a Croplands firefighter in either a truck/traymount or trailed option.



**BT1500/FF2**

Heavy-duty 1500L trailed firefighter on galvanised chassis – hook up and go at a moment's notice when the need arises



**US500/FF1**

500L traymount firefighter on galvanised steel skid

**SHUMB25LK**

MiniBlaze firefighter kit with 2.5HP petrol motor. Quick-fill priming port and 1" discharge. Plus 5m of 20mm hose with nozzle



**SHUB55H  
FIREFIGHTER PUMP**

Honda-powered Onga pumps provide effortless starts in all weather and conditions and rapid movement of water volume



**FIREFIGHTERS**

		\$ (EX. GST)	PROD. CAT.
<b>SHUMB25LK</b>	MiniBlaze firefighter kit, 2.5HP petrol motor. Quick-fill priming port, 1" discharge, 5m of 20mm hose with nozzle, 2.5m suction hose with filter. Tool kit supplied. Flow rate 50–150 L/min	1,286.00	B
<b>SHUB55H</b>	Honda GX160-powered Onga firefighter pump. Industrial grade nylon impeller, alloy housing, 3-way discharge outlets and carry handle. 1 ½" priming port. Flow rate 100–500 L/min in the 2–5 bar pressure range. Price is for pump only	2,016.00	B
<b>US500/FF1</b>	Traymount 500L firefighter. Galvanised frame, SHUB55H pump, heavy-duty steel hose reel with 30m of 20mm delivery hose, adjustable nozzle and 3m suction kit with filter	6,465.00	A
<b>BT1100/FF</b>	Trailed 1100L firefighter with sprung axle, galvanised chassis, eye-hitch, ag-tyres, SHUB55H pump, heavy-duty steel hose reel with 30m of 20mm delivery hose, adjustable nozzle and 3m suction kit with filter. Ideal for farm use (not pictured)	11,889.00	A
<b>BT1500/FF</b>	Trailed 1500L firefighter with sprung axle, galvanised chassis, eye-hitch, ag-tyres, SHUB55H pump, heavy-duty steel hose reel with 30m of 20mm delivery hose, adjustable nozzle and 3m suction kit with filter. Ideal for farm use (not pictured)	12,745.00	A
<b>BT1500/FF2</b>	Pro-series trailed 1500L firefighter with sprung axle, galvanised chassis with mudguards, tow-hitch, brakes, lights, Land Cruiser wheels, SHUB55H pump, heavy-duty steel hose reel with 30m of 20mm delivery hose, adjustable nozzle and 3m suction kit with filter	21,425.00	A

Please note: trailed firefighters are not legal for road use.

# SPRAY TANKS



## TANKS

	POSITION	LITRE CAPACITY	DIMENSIONS (MM)			STRAINER	FREESTANDING	\$(EX. GST)	PROD. CAT.
			L	W	H				
<b>P20</b>	(not shown)	20	300	300	400	No	No	240.00	A
<b>P30B</b>	A	30	625	300	333	Yes	Yes	335.00	A
<b>P60B</b>	B	60	740	380	380	Yes	Yes	374.00	A
<b>P100</b>	C	100	975	400	425	Yes	Yes	436.00	A
<b>P200</b>	D	200	900	600	600	Yes	No	496.00	A
<b>P200B</b>	E	200	1160	580	539	Yes	Yes	1,070.00	A
<b>P300</b>	F	300	1100	550	550	Yes	No	735.00	A
<b>P300B</b>	G	300	1269	750	753	Yes	No	1,130.00	A
<b>P400</b>	H	400	1490	627	760	Yes	Yes	1,708.00	A
<b>P400C</b>	I	400	1190	760	650	Yes	No	821.00	A
<b>P450</b>	J	450	1070	750	580	Yes	No	911.00	A
<b>P500C</b>	K	500	1190	760	825	Yes	No	1,027.00	A
<b>P700</b>	(not shown)	700	1350	640	1200	Yes	No	1,660.00	A
<b>P800</b>	L	800	1740	1000	770	Yes	Yes	2,462.00	A
<b>P1000L</b>	M	1000	1350	800	1500	Yes	No	1,797.00	A
<b>P1100A</b>	N	1100	1400	1279	890	Yes	Yes	2,125.00	A
<b>P1500A</b>	O	1500	1400	1430	1150	Yes	No	2,365.00	A
<b>P2000</b>	P	2000	2200	1300	1030	Yes	No	2,421.00	A
<b>P3000</b>	Q	3000	2200	1300	1300	Yes	No	3,456.00	A
<b>P4000A</b>	R	4000	2200	1300	1670	Yes	No	4,332.00	A

All tanks are supplied with a lid and outlet. All prices are ex-store. Dimensions may change without notice. Dimensions may vary from tank to tank.

# PUMPS

From spot spraying to large-scale broadacre and horticulture application, Croplands has carefully selected a range of pumps that deliver first-class productivity and efficiency.



**AR DIAPHRAGM PUMPS**

# LOW PRESSURE



The Annovi Reverberi (AR) range of reliable and robust diaphragm pumps have been industry leaders for more than 60 years and have partnered with Croplands for more than 40 years.

FOR CONTROLLER OPTIONS SEE PAGE 49

**DRIVE OPTIONS**

- APCC** Cardan shaft – 1 3/8" 6-spline shaft both sides of pump
- C** Cardan shaft – pump is fitted with a 1 3/8" male 6-spline shaft
- CF25** Female input for direct hydraulic motor fitting
- CF32** 6-spline male shaft on one side
- CR** Gearbox fitted to pump but without PRV fitted
- CRGI** Gearbox and PRV fitted to pump
- SP** Bare shaft – models to suit various kits and applications
- T** Tractor kit – to connect pump directly to tractor PTO shaft

For petrol and electric drive models, see following pages along with spare parts information.



AR80LFP



AR140LFP-C



AR185LFP-CF25



AR252



AR70



AR250

IDEAL FOR SMALL BOOM SPRAYERS

**AR252 - OPEN FLOW: 25 L/MIN**

**MAX PRESSURE: 25 BAR MAX RPM: 650 WEIGHT: 4KG HP REQUIRED: 1.45**  
**TWIN DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.**

<b>AR252-C</b>	Available with <b>C</b>	1,113.00	C
<b>AR252-T</b>	Available with <b>T</b>	1,576.00	C
<b>AR252-SP</b>	Available with <b>SP</b>	1,047.00	C
<b>AR252-CRGI</b>	Available with <b>CRGI</b>	1,820.00	C

IDEAL FOR BOOMS UP TO 12 METRES

**AR70 - OPEN FLOW: 72 L/MIN**

**MAX PRESSURE: 20 BAR MAX RPM: 550 WEIGHT: 11.8KG HP REQUIRED: 3.4**  
**TWIN DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.**

<b>AR70-C</b>	Available with <b>C</b>	1,677.00	C
<b>AR70-T</b>	Available with <b>T</b>	2,042.00	C
<b>AR70-SP</b>	Available with <b>SP</b>	1,709.00	C
<b>AR70-CR</b>	Available with <b>CR</b>	2,549.00	C

**AR80LFP - OPEN FLOW: 76 L/MIN**

**MAX PRESSURE: 20 BAR MAX RPM: 550 WEIGHT: 14KG HP REQUIRED: 3.4**  
**TRIPLE DIAPHRAGM, REINFORCED POLY HEADS & MANIFOLDS \$ (EX. GST) PROD. CAT.**

<b>AR80LFP-C</b>	Available with <b>C</b>	1,681.00	C
------------------	-------------------------	----------	---

IDEAL FOR BOOMS UP TO 15 METRES

**AR115 - OPEN FLOW: 114 L/MIN**

**MAX PRESSURE: 20 BAR MAX RPM: 550 WEIGHT: 15.5KG HP REQUIRED: 5.5**  
**TRIPLE DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.**

<b>AR115-C</b>	Available with <b>C</b>	2,371.00	C
----------------	-------------------------	----------	---

IDEAL FOR BOOMS UP TO 18 METRES

**AR140LFP - OPEN FLOW: 132 L/MIN**

**MAX PRESSURE: 15 BAR MAX RPM: 550 WEIGHT: 16KG HP REQUIRED: 5.2**  
**TRIPLE DIAPHRAGM, REINFORCED NYLON HEADS & MANIFOLDS \$ (EX. GST) PROD. CAT.**

<b>AR140LFP-C</b>	Available with <b>C</b>	2,740.00	C
-------------------	-------------------------	----------	---

IDEAL FOR BOOMS UP TO 21-24 METRES

**AR160LFP - OPEN FLOW: 166 L/MIN**

**MAX PRESSURE: 15 BAR MAX RPM: 550 WEIGHT: 25KG HP REQUIRED: 6.8**  
**FOUR DIAPHRAGM, REINFORCED NYLON HEADS & MANIFOLDS \$ (EX. GST) PROD. CAT.**

<b>AR160LFP-CF25</b>	Available with <b>CF25</b>	3,676.00	C
----------------------	----------------------------	----------	---

**AR185LFP - OPEN FLOW: 182 L/MIN**

**MAX PRESSURE: 15 BAR MAX RPM: 550 WEIGHT: 25KG HP REQUIRED: 7.4**  
**FOUR DIAPHRAGM, REINFORCED NYLON HEADS & MANIFOLDS \$ (EX. GST) PROD. CAT.**

<b>AR185LFP-CF25</b>	Available with <b>CF25</b>	4,007.00	C
----------------------	----------------------------	----------	---

IDEAL FOR BOOMS UP TO 36 METRES

**AR250 - OPEN FLOW: 254 L/MIN**

**MAX PRESSURE: 20 BAR MAX RPM: 550 WEIGHT: 35.8KG HP REQUIRED: 11.4**  
**SIX DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.**

<b>AR250-CF25</b>	Available with <b>CF25</b>	5,154.00	C
-------------------	----------------------------	----------	---

## AR DIAPHRAGM PUMPS

# MEDIUM & HIGH PRESSURE



Annovi Reverberi (AR) has developed a complete range of diaphragm pumps to suit the changing demands of agriculture.

The heads and manifolds are made from reinforced polypropylene or nylon to allow use with a wider range of products, including liquid fertilisers.

FOR CONTROLLER OPTIONS SEE PAGE 49



AR1604

ARBHS170/ARBHS200

AR813

AR1064

AR30/AR40

AR303

AR503

IDEAL FOR HIGH-PRESSURE SPOT-SPRAYING UNITS & SMALL AIRBLAST SPRAYERS

### AR813 - OPEN FLOW: 80 L/MIN

MAX PRESSURE: 50 BAR MAX RPM: 550 WEIGHT: 20.5KG HP REQUIRED: 8.8  
TRIPLE DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.

AR813-APCC	Available with	APCC	2,578.00	C
AR813-CSP		CSP	2,752.00	C

### AR1064 - OPEN FLOW: 105 L/MIN

MAX PRESSURE: 50 BAR MAX RPM: 550 WEIGHT: 23.5KG HP REQUIRED: 13.1  
FOUR DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.

AR1064-APCC	Available with	APCC	2,918.00	C
-------------	----------------	------	----------	---

IDEAL FOR HIGH-PRESSURE AIRBLAST SPRAYERS

### AR1604 - OPEN FLOW: 153 L/MIN

MAX PRESSURE: 50 BAR MAX RPM: 550 WEIGHT: 40KG HP REQUIRED: 18  
FOUR DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.

AR1604-APCC	Available with	APCC	4,697.00	C
-------------	----------------	------	----------	---

### ARBHS170 - OPEN FLOW: 163 L/MIN

MAX PRESSURE: 50 BAR MAX RPM: 550 WEIGHT: 65KG HP REQUIRED: 19.3  
FOUR DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.

ARBHS170-APCC	Available with	APCC	6,818.00	C
---------------	----------------	------	----------	---

### ARBHS200 - OPEN FLOW: 194 L/MIN

MAX PRESSURE: 50 BAR MAX RPM: 550 WEIGHT: 65KG HP REQUIRED: 22.1  
FOUR DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.

ARBHS200-APCC	Available with	APCC	6,958.00	C
---------------	----------------	------	----------	---

IDEAL FOR SPOT-SPRAYING UNITS

### AR30 - OPEN FLOW: 35 L/MIN

MAX PRESSURE: 40 BAR MAX RPM: 550 WEIGHT: 9.3KG HP REQUIRED: 2.9  
TWIN DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.

AR30-C	Available with	C	1,583.00	C
AR30-T		SP	2,010.00	C
AR30-SP		T	1,485.00	C
AR30-CRGI		CRGI	2,618.00	C

### AR40 - OPEN FLOW: 46.3 L/MIN

MAX PRESSURE: 40 BAR MAX RPM: 550 WEIGHT: 9.5KG HP REQUIRED: 3.5  
TWIN DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.

AR40-CRGI	Available with	CRGI	2,544.00	C
-----------	----------------	------	----------	---

### AR303 - OPEN FLOW: 35 L/MIN

MAX PRESSURE: 40 BAR MAX RPM: 550 WEIGHT: 9KG HP REQUIRED: 3  
TRIPLE DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.

AR303-CR	Available with	CR	2,344.00	C
----------	----------------	----	----------	---

### AR503 - OPEN FLOW: 54 L/MIN

MAX PRESSURE: 40 BAR MAX RPM: 550 WEIGHT: 11.5KG HP REQUIRED: 5.6  
TRIPLE DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.

AR503-T	Available with	T	2,184.00	C
AR503-SP		SP	1,823.00	C
AR503-CR		CR	2,226.00	C
AR503-CRGI		CRGI	3,321.00	C

Note: All flow information is at zero pressure, open flow.

**AR MOTORISED PUMPS**

# PETROL & ELECTRIC DRIVE

Croplands have a great range of petrol and electric-drive pumps for spraying and semi-industrial applications.

Powered by genuine Honda engines, the petrol-powered models are bulletproof and will run day in, day out.

**POWERED by HONDA™**

**DRIVE OPTIONS**

<b>GX</b> GX200QX Engine	<b>EM</b> Single phase electric motor
<b>AR-ES</b> Electric start kit of Honda motor	<b>ET</b> Three phase electric motor



IDEAL FOR SMALL BOOM SPRAYERS

**AR252 - OPEN FLOW: 25 L/MIN**

**MAX PRESSURE: 25 BAR MAX RPM: 650 WEIGHT: 4KG HP REQUIRED: 1.45**

TWIN DIAPHRAGM PUMP		\$ (EX. GST)	PROD. CAT.
<b>AR252-4H</b>	Available with <b>GX</b>	3,088.00	C
<b>AR252-EM</b>	Available with <b>EM</b>	2,420.00	C

IDEAL FOR BOOMS UP TO 12 METRES

**AR70 - OPEN FLOW: 72 L/MIN**

**MAX PRESSURE: 20 BAR MAX RPM: 550 WEIGHT: 11.8KG HP REQUIRED: 3.4**

**TWIN DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.**

<b>AR70-5H</b>	Available with <b>GX</b>	5,162.00	C
----------------	--------------------------	----------	---

IDEAL FOR SPOT-SPRAYING UNITS

**AR30**

(SEE PREVIOUS PAGE FOR SPECS & VISUAL)

**\$ (EX. GST) PROD. CAT.**

<b>AR30-5H</b>		<b>GX</b>	4,055.00	C
<b>AR30-EM</b>	Available with	<b>EM</b>	4,959.00	C
<b>AR30-ET</b>		<b>ET</b>	4,587.00	C

IDEAL FOR BOOMS UP TO 18 METRES

**AR135 - OPEN FLOW: 132 L/MIN**

**MAX PRESSURE: 20 BAR MAX RPM: 550 WEIGHT: 15.5KG HP REQUIRED: 6.8**

**TRIPLE DIAPHRAGM PUMP \$ (EX. GST) PROD. CAT.**

<b>AR135-6.5H</b>	Available with <b>GX</b>	6,169.00	C
-------------------	--------------------------	----------	---

**AR40**

(SEE PREVIOUS PAGE FOR SPECS & VISUAL)

**\$ (EX. GST) PROD. CAT.**

<b>AR40-6H</b>	Available with <b>GX</b>	4,176.00	C
----------------	--------------------------	----------	---

**AR303**

(SEE PREVIOUS PAGE FOR SPECS & VISUAL)

**\$ (EX. GST) PROD. CAT.**

<b>AR303-6H</b>	Available with <b>GX</b>	3,830.00	C
-----------------	--------------------------	----------	---

**TO PETROL DRIVE LARGER AR PUMPS, PLEASE CONTACT CROPLANDS FOR OPTIONS AND PRICING.**

NOTE, TO FIT ELECTRIC START ON THE AR PETROL-DRIVEN MOTORISED PUMPS ON THIS PAGE, PLEASE ADD THE FOLLOWING CODE AND PRICE TO YOUR ORDER (AR-ES).



AR252-4H



AR252-EM



AR303-6H

# PARTS & ACCESSORIES



AR550086



AR759051



AR110121



AR1434



GEARBOX FITTED

## DIAPHRAGMS FOR PUMP MODELS

		MATERIAL	\$ (EX. GST)	PROD. CAT.
<b>AR1040080</b>	AR80LFP-C	DESMOPAN	45.00	C
<b>AR550086</b>	AR70, 115, 125, 135, 145, 160, 185, 250, 280, 370, 500 (20 bar max), AR140FLP-C	HPDS	70.00	C
<b>AR620080</b>	AR30 (40 bar max), AR503 (50 bar max)	GOMMA	44.00	C
<b>AR800086</b>	AR19 and 252 (20 bar max)	HPDS	44.00	C
<b>AR1040081</b>	AR813, 1064 (50 bar max), AR80LFP-C	GOMMA	42.00	C
<b>AR2240080</b>	ARBHA140, BHS140, BHS160/170, BHS200 (50 bar max)	GOMMA	64.00	C

## VALVES FOR PUMP MODELS

		\$ (EX. GST)	
<b>AR759051</b>	AR70, 115, 125, 135, 145, 160, 185, 250, 280, 370, 500 (20 bar max). ARBHA140, BHS140, BHS160/170, AR2HS200 (50 bar max)	71.00	C
<b>AR1409050</b>	AR30 (40 bar max). AR503, 813, 1064 (50 bar max)	49.00	C
<b>AR809060</b>	AR252 (25 bar max)	31.00	C
<b>AR2429050</b>	AR80LFP-C, AR140FLP-C	92.00	C

## VALVE O-RINGS FOR PUMP MODELS

		\$ (EX. GST)	
<b>AR680070</b>	AR125, 145, 160, 185, 250, 280, 370, 500 (20 bar max). ARBHA140, BHS140, BHS160/170, BHS200 (50 bar max)	4.00	C
<b>AR320030</b>	AR70, 115, 135 (20 bar max)	4.00	C
<b>AR620030</b>	AR30 (40 bar max). AR503, 813, 1064 (50 bar max)	2.50	C
<b>AR880830</b>	AR252 (25 bar max)	1.00	C
<b>AR3460240</b>	AR80LFP-C, AR140FLP-C	18.00	C

## DISC FOR ARG140 REGULATOR

		\$ (EX. GST)	
<b>AR110121</b>	Vulkulan disc	16.00	C
<b>AR1922</b>	5 pack of Vulkulan discs	69.00	C

## COMMON REPAIR KITS

		\$ (EX. GST)	
<b>PR66</b>	2 X AR550086 for AR70 pump	100.00	C
<b>PR67</b>	4 valves and O-rings for AR70	210.00	C
<b>AR2374</b>	Kit (8 x 680070 and 8 x 759051) for 4-diaphragm pumps	542.00	C
<b>AR1917</b>	Valve and O-rings kit for AR30	174.00	C
<b>AR1925</b>	Kit reg overhaul (GI40) for ARG140 regulator	89.00	C

## SAFETY RELIEF VALVES

		\$ (EX. GST)	
<b>AR1432</b>	Valve safety (20 bar) – safety relief valve with reset	84.00	C
<b>AR1433</b>	Valve safety (40 bar) – safety relief valve with reset	88.00	C
<b>AR1434</b>	Valve safety (50 bar) – safety relief valve with reset	92.00	C

## COMMONLY USED GEARBOXES FOR AR PUMPS

		\$ (EX. GST)	
<b>AR1613</b>	Gearbox (AR19/202/252 1:4.3)	717.00	C
<b>AR1636</b>	Gearbox (AR30 1:5.9)	1,259.00	C
<b>AR1639</b>	Gearbox (AR50/503/703/904 1:5.9)	1,305.00	C
<b>AR1671</b>	Gearbox (AR70/115/120 1:5.9)	1,588.00	C

**MANUAL CONTROL VALVE AND REGULATOR**

# PARTS & ACCESSORIES



ARBMH50



ARECM-4



ARUCM-5



ARIDROM-4

**CONTROLLERS**

		\$ (EX. GST)	PROD. CAT.
<b>ARGR30</b>	Controller for AR252 pump, max flow 40 L/min, maximum operating pressure 25 bar (360 psi) Mounting kit not included (*see AR892 for remote mount kit)	200.00	C
<b>ARGI40</b>	3-outlet (2-taps supplied) manual controller suited to the AR30 pump. Can be pump mounted or remote mounted* (*see AR980 for remote mount kit). Max flow 80 L/min, maximum pressure 40 bar (580 psi)	333.00	C
<b>ARRM40I</b>	Two-way controller to suit AR503 pump. Can be pump mounted or remote mounted* (*see AR985 for remote mount kit). Max flow 90 L/min, maximum pressure 40 bar (580 psi)	375.00	C
<b>ARVDR50</b>	Two-way controller to suit AR813 or AR1064 pump. Can be pump mounted or remote mounted* (*see AR998 for remote mount kit). Max flow 130 L/min, maximum pressure 50 bar (725 psi)	659.00	C
<b>ARBMH50</b>	Two-outlet manual controller suited to high-pressure 50 bar-rated diaphragm pumps. Rotary selector lever controls individual left and right shut-off or master shut-off with either pressure bypass or non-pressure bypass. Can be pump mounted or remote mounted* (*see AR996 for remote mount kit). Max flow 200 L/min, maximum pressure 50 bar (725 psi)	881.00	C
<b>ARECM-4</b>	Remote mount 4-way controller suitable for most 20 bar-rated diaphragm pumps. 4 individual shut-off taps and gauge fitted. Comes with remote-mount plate fitted. Max flow 150 L/min, maximum pressure 20 bar (290 psi). 2-tap version also available	576.00	C
<b>ARUCM-5</b>	Remote mount 5-way controller suitable for most 20 bar-rated diaphragm pumps. 5 individual shut-off taps, master shut-off lever and gauge fitted. Comes with remote-mount plate fitted. Max flow 150 L/min, maximum pressure 20 bar (290 psi). 2-tap and 6-tap version also available. Fitted as standard on all AgriPak linkages	961.00	C
<b>ARIDROM-4</b>	Remote-mount pressure compensating 4-way controller suitable for most 20 bar-rated diaphragm pumps. Bypass taps on each section can be adjusted for pressure compensation of +/- 15%. 4 individual shut-off taps, master shut-off lever and gauge fitted. Comes with remote-mount plate fitted. Max flow 150 L/min, maximum pressure 20 bar (290 psi). 2-tap and 6-tap version also available	1,150.00	C



ARGR30/AR892



ARGI40/AR980



ARRM40I/AR985



ARVDR50/AR998

**REMOTE MOUNT KITS**

		\$ (EX. GST)	PROD. CAT.
<b>AR892</b>	Suits ARGR30, includes mount plate and bolts, extra tap, hosetails and inlet/outlet fitting	135.00	C
<b>AR980</b>	Suits ARGI40, includes mount plate and bolts, extra tap, hosetail and inlet/outlet fitting	154.00	C
<b>AR985</b>	Suits ARRM40I, includes mount plate and bolts, extra tap, hosetails and inlet/outlet fitting	154.00	C
<b>AR998</b>	Suits ARVDR50, includes mount plate and bolts, extra tap, hosetails and inlet/outlet fitting	171.00	C
<b>AR996</b>	Suits ARBMH50, includes mount plate and bolts, hosetails and inlet/outlet fitting	74.00	C

# CENTRIFUGAL MODELS



Hypro centrifugal pumps, made from cast iron or stainless steel housings for exceptional pump performance. Life Guard seals optional on select pumps give longer-lasting seal life.



9203C-B



9303C-HM1C-B



9303C-HM5C-B

	SPECIFICATIONS	OUTPUT & INPUT	\$ (EX. GST)	PROD. CAT.
<b>9203C-B</b>	<ul style="list-style-type: none"> <li>9203C series pedestal-mount centrifugal pump</li> <li>Cast-iron housing with nylon impeller</li> <li>Shaft rotation: counter clockwise when looking at the shaft-end</li> </ul>	Port sizes: 1-½" NPT inlet; 1-¼" NPT outlet Input shaft size: 5/8" (15.9mm) solid shaft Weight: 8.6kg Fitted to a number of OEM sprayers	Max fluid temp: 60° C Max pressure: 11.7 bar (170 psi) Max L/min flow: 530 Max RPM: 6000 435 L/min flow at 2.8 bar pressure and 4200 RPM	1,730.00 B
<b>9303C-HM1C-B</b>	<ul style="list-style-type: none"> <li>9303C series pedestal-mount centrifugal pump with hydraulic motor fitted (for open centre, closed centre and load-sensing systems)</li> <li>Cast-iron housing with nylon impeller</li> </ul>	Liquid Port sizes: 1-½" NPT inlet; 1-¼" NPT outlet Hydraulic motor: internal gear gerotor; max motor psi = 3000 Hydraulic ports: ½" NPT inlet, ¾" NPT outlet Hydraulic motor seal: double-lip Teflon Weight: 11.8kg Fitted to a number of OEM sprayers Fitted standard to Croplands 4000 and 6000L WEED-IT sprayers	Max fluid temp: 60° C Max pressure: 9 bar (130 psi) Max L/min flow: 432 Max hyd flow required: 49.2 L/min 397 L/min flow at 3.4 bar pressure and 45.4 L/min hydraulic flow	3,380.00 B
<b>9303C-HM5C-B</b>	<ul style="list-style-type: none"> <li>9303C series pedestal-mount centrifugal pump with hydraulic motor fitted (for open centre, closed centre and load-sensing systems)</li> <li>Cast-iron housing with nylon impeller</li> </ul>	Liquid port sizes: 1-½" NPT inlet; 1-¼" NPT outlet Hydraulic motor: internal gear gerotor; max motor psi = 3000 Hydraulic ports: ½" NPT inlet, ¾" NPT outlet Hydraulic motor seal: double-lip Teflon Weight: 11.8kg Fitted to a number of OEM sprayers	Max fluid temp: 60° C Max pressure: 10 bar (145 psi) Max L/min flow: 556 Max hyd flow required: 60.6 L/min 450 L/min flow at 4.1 bar pressure and 56.8 L/min hydraulic flow	3,585.00 B



9306C-HM5C-B



9306C-HM5C-3U



9306S-HM5C-3U

	SPECIFICATIONS		OUTPUT & INPUT	\$ (EX. GST)	PROD. CAT.
<b>9306C-HM5C-B</b>	<ul style="list-style-type: none"> <li>9306C series pedestal-mount centrifugal pump with hydraulic motor fitted (for open centre, closed centre and load-sensing systems)</li> <li>Cast-iron housing with nylon impeller</li> </ul>	Liquid port sizes: 2" NPT Inlet; 1-1/2" NPT outlet Hydraulic motor: internal gear gerotor; max motor psi = 3000 Hydraulic ports: 1/2" NPT inlet, 3/4" NPT outlet Hydraulic motor seal: double-lip Teflon Weight: 15kg <b>Fitted to a number of OEM sprayers</b> <b>Suits RG series RoGator sprayer models – replaces part number AC579304D1</b>	Max fluid temp: 60° C Max pressure: 9.6 bar (140 psi) Max L/min flow: 803 Max hyd flow required: 64.4 L/min 803 L/min flow at 4.1 bar pressure and 60.6 L/min hydraulic flow Internal threaded	4,189.00	B
<b>9306C-HM5C-3U</b>	<ul style="list-style-type: none"> <li>9306C series centrifugal pump with hydraulic motor fitted (for open centre, closed centre and load-sensing systems)</li> <li>Cast-iron housing with nylon impeller</li> </ul>	Liquid port sizes: 300 x 220 (3U) universal flange Hydraulic motor: internal gear gerotor; max motor psi = 3000 Hydraulic ports: 1/2" NPT inlet, 3/4" NPT outlet Hydraulic motor seal: double-lip Teflon Weight: 15kg <b>Fitted to a number of OEM sprayers</b>	Max fluid temp: 60° C Max pressure: 9.6 bar (140 psi) Max L/min flow: 1181 Max hyd flow required: 64.4 L/min 1018 L/min flow at 3.4 bar pressure and 60.6 L/min hydraulic flow	4,383.00	B
<b>9306S-HM5C-3U</b>	<ul style="list-style-type: none"> <li>9306S series pedestal-mount stainless-steel centrifugal pump with hydraulic motor fitted (for open centre, closed centre and load-sensing systems)</li> <li>Stainless-steel housing with polypropylene impeller</li> </ul>	Liquid port sizes: 2" NPT Inlet; 1-1/2" NPT outlet Hydraulic motor: internal gear gerotor; max motor psi = 3000 Hydraulic ports: 1/2" NPT inlet, 3/4" NPT outlet Hydraulic motor seal: double-lip Teflon Weight: 15kg <b>Fitted to a number of OEM sprayers</b> <b>Optional stainless-steel pump for Croplands WEED-IT 7000L sprayer (replaces cast iron 9306C-HM5C-BU – 2 pumps fitted standard)</b> <b>Suits RG series RoGator sprayer models as a stainless-steel option – replaces part number AC579304D1</b>	Max fluid temp: 60° C Max pressure: 9.6 bar (140 psi) Max L/min flow: 803 Max hyd flow required: 64.4 L/min 803 L/min flow at 4.1 bar pressure and 60.6 L/min hydraulic flow	7,695.00	B



9342P-HM5C-5SP



9343P-GM6-SP

**POLY TRANSFER PUMPS**

	SPECIFICATIONS		OUTPUT & INPUT	\$ (EX. GST)	PROD. CAT.
<b>9342P-HM5C-5SP</b>	<ul style="list-style-type: none"> <li>Poly transfer pump, 2" with hydraulic motor drive</li> <li>Polypropylene housing</li> <li>Suction lift 7.62m</li> <li>5-vane impeller</li> <li>2" NPT inlet and 2" NPT outlet ports</li> </ul>	Hydraulic ports: 1/2" NPT inlet, 3/4" NPT outlet <b>Optional for Croplands 4000 and 6000L WEED-IT sprayers as a filling pump</b>	Max pressure: 4 bar (58 psi) Max L/min flow: 757 Max hyd flow required: 42 L/min	3,139.00	B
<b>9343P-GM6-SP</b>	<ul style="list-style-type: none"> <li>Poly transfer pump, 3" with hydraulic motor drive</li> <li>Polypropylene housing</li> <li>Suction lift 7.62m</li> <li>Poly impeller with stainless-steel insert</li> <li>3" NPT inlet and 3" NPT outlet ports</li> </ul>	Hydraulic ports: 1/2" NPT inlet, 3/4" NPT outlet <b>Optional for Croplands RoGator sprayers as a filling pump</b>	Max pressure: 3 bar (44 psi) Max L/min flow: 1730 Max hyd flow required: 60 L/min	3,999.00	B

# SHURFLO PUMPS & ACCESSORIES

# SHURflo

SHURflo 12V pumps are ideal for spot spraying and small, multi-tip boom sprayers mounted on RTVs, ATVs, ute trays or small trailed sprayers.



SHU8000-547-189



SHU2088-313-544



SHU50593611D011



SHU255-613

			\$ (EX. GST)	PROD. CAT.
<b>SHU8000-547-189 (PUMP)</b>	<ul style="list-style-type: none"> <li>• SHURflo 12V DC bypass diaphragm pump</li> <li>• Santoprene diaphragm; Viton valves</li> <li>• 12V sealed motor</li> <li>• Self-priming to 2.4m</li> <li>• Proven pump head design</li> <li>• Internal bypass for smooth flow operation</li> <li>• Ag-chemical resistant materials</li> </ul>	Max L/min (open flow): 6.8 Max pressure: psi: 107 bar: 7.4 Port size: ½"m Max amps: 7.3 Pressure Switch: yes Internal Bypass: yes	299.00	B
<b>SHU94-385-32</b>	<b>DIAPHRAGM/DRIVE ASSEMBLY KIT</b>	To suit pump model SHU8000-547-189	203.00	B
<b>SHU94-391-46</b>	<b>VALVE ASSEMBLY KIT</b>	To suit pump model SHU8000-547-189	178.00	B
<b>SHU94-229-08</b>	<b>PRESSURE SWITCH KIT</b>	To suit pump model SHU8000-547-189	106.00	B
<b>SHU94-374-08</b>	<b>CHECK VALVE KIT</b>	To suit pump model SHU8000-547-189	52.00	B
<b>SHU2088-313-544 (PUMP)</b>	<ul style="list-style-type: none"> <li>• SHURflo 12V DC bypass diaphragm pump</li> <li>• Santoprene diaphragm; Viton valves</li> <li>• 12V sealed motor</li> <li>• Self-priming to 2.4m</li> <li>• Proven pump head design</li> <li>• Internal bypass for smooth flow operation</li> <li>• Ag-chemical resistant materials</li> </ul>	Max L/min (open flow): 15.1 Max pressure: psi 45 bar: 3.1 Port size: ½"m Max amps: 13 Pressure Switch: yes Internal Bypass: yes	691.00	B
<b>SHU50593611D011 (PUMP)</b>	<ul style="list-style-type: none"> <li>• SHURflo 12V DC bypass diaphragm pump</li> <li>• Santoprene diaphragm; Viton valves</li> <li>• 12V sealed motor</li> <li>• Self-priming to 2.4m</li> <li>• Proven pump head design</li> <li>• Internal bypass for smooth flow-operation</li> </ul>	Max L/min (open flow): 20.1 Max pressure: psi: 90 bar: 6.2 Port size: ½"m Max amps: 20.9 Pressure switch: no Internal bypass: yes	707.00	B
<b>SHU94-910-04</b>	<b>DIAPHRAGM/DRIVE ASSEMBLY KIT</b>	To suit pump model SHU5059-1311-D011	284.00	B
<b>SHU94-910-05</b>	<b>VALVE ASSEMBLY KIT</b>	To suit pump model SHU5059-1311-D011	202.00	B
<b>SHU94-910-02</b>	<b>PRESSURE SWITCH KIT</b>	To suit pump model SHU5059-1311-D011	92.00	B
<b>SHU94-910-03</b>	<b>CHECK VALVE KIT</b>	To suit pump model SHU5059-1311-D011	57.00	B

## HOSE FITTINGS

		\$ (EX. GST)	PROD. CAT.
<b>SHU234-2926</b>	½" NPT – 14 female x 12mm (½") straight swivel barb (polypropylene)	4.50	B
<b>SHU234-2916</b>	½" NPT – 14 female x 10mm (¾") straight swivel barb (polypropylene)	4.50	B
<b>SHU234-3926</b>	½" NPT – 14 female x 12mm (½") elbow swivel barb (polypropylene)	4.50	B
<b>SHU234-3916</b>	½" NPT – 14 female x 10mm (¾") elbow swivel barb (polypropylene)	4.50	B

FLOJET

# PUMPS & ACCESSORIES

**FLOJET®**

The FloJet range of 12V pumps is designed for small spot spraying and boom spraying operations. FloJet pumps perform well if used correctly and flushed out after use.



FL3501-506



FL20419-012



FL02091-060



FL20407-033

## 3501 TRIPLEX PUMP

			\$ (EX. GST)	PROD. CAT.
<b>FL3501-506</b>	<ul style="list-style-type: none"> <li>Fully sealed motor for corrosion resistance</li> <li>Pressure switch for spot spraying and an internal bypass to ensure pump does not pulsate with small nozzle sizes</li> <li>Low pulsation and noise</li> <li>Superior pump head sealing</li> <li>Excellent priming</li> <li>Compact size</li> <li>3/8" threaded ports for use with hoesetails or threaded nipples</li> <li>Ideal for small boom or spot spraying and some other agricultural uses</li> </ul>	With press. switch: Yes Max L/min (open flow): 7.8 Volts: 12V DC Max press. (bar): 3.4 Inlet and outlet: 3/8" hosebarb Internal bypass: Yes Diaphragm material: S Valve material: S Amps: 8	460.00	B
<b>FL20419-012</b>	<b>DIAPHRAGM</b>	To suit pump model FL3501-506	129.00	B
<b>FL02091-060</b>	<b>PRESSURE SWITCH</b>	To suit pump model FL3501-506	159.00	B
<b>FL20407-033</b>	<b>VALVE</b>	To suit pump model FL3501-506	121.00	B



FL3521-139



FL20419-015



FL02091-060



FL20407-021

## 3521 TRIPLEX PUMP

			\$ (EX. GST)	PROD. CAT.
<b>FL3521-139</b>	<ul style="list-style-type: none"> <li>Maximum flow of 15.1 L/min (open-flow)</li> <li>Internal bypass gives this model superior, smooth liquid delivery for multiple nozzles</li> <li>Plug-in bayonet connections (1/2") with quick release clips</li> <li>Suited for small booms and high volume spot spraying. Triplex design makes it an excellent priming option</li> </ul>	With press. switch: Yes Max L/min (open flow): 15.1 Volts: 12V DC Max press. (bar): 4 Inlet and outlet: Plug-in bayonet and 1/2" hosebarb Internal bypass: Yes Diaphragm material: S Valve material: V Amps: 9	620.00	B
<b>FL20419-015</b>	<b>DIAPHRAGM</b>	To suit pump model FL3521-139	181.00	B
<b>FL02091-060</b>	<b>PRESSURE SWITCH</b>	To suit pump model FL3521-139	159.00	B
<b>FL20407-021</b>	<b>VALVE</b>	To suit pump model FL3521-139	121.00	B

Note: All FloJet diaphragm pumps are rated for intermittent use.

# ELECTRIC CONTROL KITS

If you need to upgrade your sprayer to control your boom or air-assisted sprayer, Croplands has the right range of electric controls to suit all applications.

FITTED AS OPTIONS TO LINKAGE SPRAYERS SEE PAGE 4

TO SUIT LINKAGE AND BOOM SPRAYERS; LOW-PRESSURE AIR SPRAYERS. ARAG AVAILABLE ON REQUEST.



I-E2012



I-E2032

## ELECTRIC CONTROL KITS UP TO 20 BAR PRESSURE

		\$ (EX. GST)	PROD. CAT.
<b>I-E2012</b>	Entry-level electric in-cab control with switchbox. One electric on/off valve shuts off the complete boom from the cab. 3 manual taps on the control manifold can be used for each boom section. A manual pressure regulator with gauge is supplied to allow working pressure to be set for the system	1,216.00	B
<b>I-E2032</b>	Electric in-cab controller with switchbox. 3-section electric valves for individual section shut off, electric pressure regulating valve and a master on/off can all be operated from the switchbox in the cab or vehicle. Requires a reliable 12V power supply	3,054.00	B
<b>I-E2052</b>	- As above for 5-section control	2,926.00	B

TO SUIT HIGH-PRESSURE ORCHARD SPRAYERS



I-S4021

## ELECTRIC CONTROL KITS UP TO 40 BAR PRESSURE

		\$ (EX. GST)	PROD. CAT.
<b>I-S4020</b>	Electric in-cab controller with switchbox. 2-section high-pressure electric valves for individual left/right shut off can be operated from the switchbox in the cab. Requires a reliable 12V power supply	2,065.00	B
<b>I-S4021</b>	Electric in-cab controller with switchbox. 2-section high-pressure electric valves for individual left/right shut off, electric pressure regulating valve and a master on/off can all be operated from the switchbox in the cab or vehicle. Requires a reliable 12V power supply	4,073.00	B

# APPLICATION SPRAY MONITORS

Giving you visibility and accessibility of your spraying operations.



A4670610-HA



A4670610-SR100

## SPRAY MONITORS

		\$ (EX. GST)	PROD. CAT.
<b>A4670610-HA</b>	The Visio Hectare meter is a handy viewer to hook up to a vehicle or tractor to measure area, distance and speed. Supplied in the kit is the Visio multi-function display, mounting bracket and a speed-sensor that will need to be mounted to read the rotation of a wheel or PTO shaft	1,667.00	B
<b>A4670610-SR100</b>	The Visio spray monitor comes in a kit to fit-up to a boom or orchard sprayer to measure spray application rate, litres used, area, distance and speed. Supplied in the kit is the Visio multi-function display, mounting bracket, speed-sensor that will need to be mounted to read the rotation of a wheel or PTO shaft, a 5–100 L/min flowmeter and all necessary cables. The kit will require some extra fittings to fit to an existing sprayer – consult your Croplands dealer or service agent	3,103.00	B
<b>A4670610-SR200</b>	- As above, but with a higher flow-rated flowmeter (10–200 L/min)	3,197.00	B

APPLICATION

# AUTO SPRAY-RATE CONTROLLERS

Total command is at your fingertips with our selection of spray monitors and rate controllers, all designed to give you visibility and accessibility over your spraying operation.



BRAVO180-ARAG3



BA5000-GEO3



HV2400-BRAG2

**AUTO SPRAY-RATE CONTROLLERS**

		\$ (EX. GST)	PROD. CAT.
<b>BA5000-GEO3</b>	Croplands fully auto spray-rate controller for use on linkage sprayers. Optional as a fit-up to any new Croplands sprayer or as an upgrade to an existing sprayer. Features include display of two functions on screen, large back-lit display, heavy-duty switches, up to 10 pre-set application rates, fully programmable and alarm settings and integrated diagnostics. Kit includes: spray manifold with flowmeter, 3-section valve bank, looms, mount and operating instructions. The kit will require some extra fittings to fit to an existing sprayer – consult your Croplands dealer or service agent <b>Note: if you require a kit for a trailed broadacre sprayer, contact Croplands to ensure the correct length looms are supplied</b>	6,322.00	A
<b>BA5000-GEO5</b>	- As above, but with 5 sections <b>Note: if you require a kit for a trailed broadacre sprayer, contact Croplands to ensure the correct length looms are supplied</b>	7,225.00	A
<b>HV2400-BRAG2</b>	Croplands fully auto spray-rate controller for use on horticultural sprayers. Has the same features as the BA5000 (specifications listed above) with the added option on L/100m for application. Kit includes: spray manifold with flowmeter, 2-section high-pressure valve bank, looms, mount and operating instructions. The kit will require some extra fittings to fit to an existing sprayer – consult your Croplands dealer or service agent	7,031.00	A
<b>HV2400-BRAG4</b>	- As above for horticulture, but with 4 high-pressure section valves	8,943.00	A
<b>BRAVO180-ARAG3</b>	ARAG Bravo180S fully auto spray-rate controller for use on linkage sprayers. Optional as a fit-up to any new Croplands sprayer or as an upgrade to an existing sprayer. Features include display of two functions on screen, large back-lit display, heavy-duty switches, up to 10 pre-set application rates, fully programmable, visual and sound alarm settings, programmable units of measure and GPS input for speed. Kit includes: spray manifold with flowmeter, 3-section valve bank, looms, mount and operating instructions. The kit will require some extra fittings to fit to an existing sprayer – consult your Croplands dealer or service agent <b>Note: if you require a kit for a trailed broadacre sprayer, contact Croplands to ensure the correct length looms are supplied</b>	9,565.00	A
<b>BRAVO180-ARAG5</b>	- As above with a 5-section valve bank	10,115.00	A
<b>BRAVO400SLT-KIT</b>	Bravo 400LT 5-section liquid controller kit, complete with servo dump and flow meter, 5 section ARAG valves, antenna with complete cable and wiring harness to suit	22,081.00	A

# MANIFOLDS, SWITCHBOXES & COMPONENTS



## VALVES, FILTERS & FLOWMETERS TO REPAIR YOUR CONTROL MANIFOLD

		MAX PRESS	MAX FLOW	PORTS/BYPASS	\$ (EX. GST)	PROD. CAT.
<b>1. A8710502</b>	Dump valve/PRV/inlet assembly	20 bar	180 L/min	32mm	751.00	B
<b>2. A86300245</b>	Electric bypass valve, 7 second open/close	20 bar	150 L/min	25mm	566.00	B
<b>3. A32621135</b>	80-mesh flushing filter with manifold flanges	20 bar	150 L/min	40mm	145.00	B
<b>4. A46264A0</b>	Wolf Flow Meter 10/200L	20 bar	200 L/min	–	983.00	B
<b>5. A8730001</b>	Dump valve, hi-flow, 0.6 sec	20 bar	120 L/min	32mm	455.00	B
<b>6. A87300205</b>	Electric bypass valve, hi-flow, 7 second open/close	20 bar	150 L/min	25mm	644.00	B
<b>7. A465522</b>	Manual PRV	20 bar	200 L/min	32mm	259.00	B
<b>8. A4626000.504</b>	Sensor for Wolf Paddle Flow Meter	–	–	–	568.00	B
<b>9. A4626000.503</b>	Paddle assembly for Wolf Flow Meter	–	–	–	323.00	B
<b>UP-402</b>	Proximity sensor BA and HV4000	–	–	–	324.00	B

## ELECTRIC CONTROL MANIFOLDS & SWITCHBOXES

		\$ (EX. GST)	PROD. CAT.
<b>A871CCRO05</b>	Control manifold for auto-rate controllers, for pumps up to 180 L/min, manual PRV, electric bypass (7 sec), dump valve, 80-mesh flushing filter, ARAG Wolf flowmeter, mounting brackets (boom shut-off valves not included)	2,221.00	B
<b>A873CCRO02</b>	Control manifold for auto-rate controllers, for pumps up to 280 L/min, manual PRV, electric bypass (7 sec), dump valve, 80-mesh flushing filter, ARAG Wolf flowmeter, mounting brackets (boom shut-off valves not included)	2,083.00	B
<b>A4628707</b>	Highly accurate programmable flowmeter with LCD display and sapphire bearing paddle turbine. 40–800 L/min reading of actual flow, or you can view litres pumped. 2 separately resettable counters. 2 x AA batteries required. Will require T7 male fittings (A249177)	1,906.00	B



## VALVES, FILTERS & FLOWMETERS TO REPAIR YOUR CONTROL MANIFOLD

		\$ (EX. GST)	PROD. CAT.
<b>10. G8370015</b>	Manual main valve 3 wire	502.00	B
<b>11. G8386006</b>	Servo valve (7 section)	508.00	B
<b>12. G8386004</b>	Electric bypass valve, 28 second open/close	516.00	B
<b>13. G502000020</b>	Flow sensor square wave	307.00	B
<b>14. G8404055</b>	Flow meter 10–160	1,075.00	B

## ELECTRIC CONTROL MANIFOLDS & SWITCHBOXES

		\$ (EX. GST)	PROD. CAT.
<b>G8380C0002</b>	Control manifold for auto-rate controllers, for pumps up to 180 L/min, manual PRV, electric by pass (7 section), dump valve, 80-mesh flushing filter, Geoline flowmeter, mounting brackets. (Boom shut off valves not included)	2,224.00	B
<b>G8376088</b>	Control manifold for basic electric control systems. Max flow 180 L/min, 20-bar rated. Kit includes manual PRV, regulating valve, dump valve, pressure filter and 3 proportional electric boom shut-off valves	1,909.00	B
<b>G8376077</b>	Control manifold for basic electric control systems. Max flow 180 L/min, 20-bar rated. Kit includes manual PRV, regulating valve, dump valve, pressure filter and 5 proportional electric boom shut-off valves	2,266.00	B
<b>G8406008</b>	3-section electric switch box and tractor cables. Requires GC00900009 valve cable to connect control manifold. Suitable for G8376088 control manifold	652.00	B
<b>GC00900009</b>	3-section 5m valve cable. Requires G8406008 electric switch box. Suitable for G8376088 control manifold	300.00	B
<b>G8406010</b>	5-section electric switch box and tractor cables. Requires GC00900011 valve cable to connect control manifold. Suitable for G8376077 control manifold	708.00	B
<b>GC00900011</b>	5-section 5m valve cable. Requires G8406010 electric switch box. Suitable for G8376077 control manifold	358.00	B

**ELECTRIC & MANUAL**

# VALVE KITS

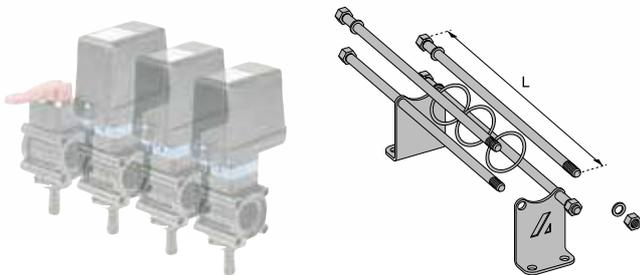


A8630011 A8630001 A463CCRO09 A863CCRO06 A463CCRO10 A463051 G8372023 G8388002 G8388005

If you are updating your spraying control system, Croplands has a wide range of valves and valve kits to suit your application.

**ELECTRIC AND MANUAL VALVES**

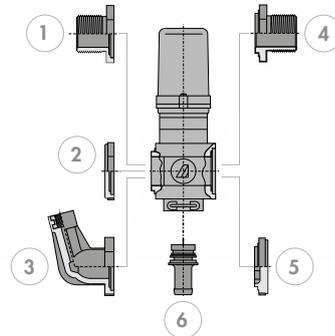
		\$ (EX. GST)	PROD. CAT.
<b>A8630011</b>	Single electric boom shut-off valve, 3-wire for use with auto-rate controllers or basic electric controls, with bypass (suitable for 2 and 3-wire applications)	522.00	B
<b>A8630001</b>	Single electric boom shut-off valve, 3-wire for use with auto-rate controllers or basic electric controls (suitable for 2 and 3-wire applications)	484.00	B
<b>A8730001</b>	Electric boom shut-off valve, high flow (120 L/min), 3-wire for use with auto-rate controllers	455.00	B
<b>A863CCRO05</b>	Electric valve bank, 3-section complete with flushing tap, gauge port and mounting brackets	2,296.00	B
<b>A863CCRO06</b>	Electric valve bank, 5-section complete with flushing tap, gauge port and mounting brackets	2,856.00	B
<b>A463CCRO09</b>	2-bank manual valves complete with mounting brackets, 20 bar	498.00	B
<b>A463CCRO10</b>	3-bank manual valves complete with mounting brackets, 20 bar	360.00	B
<b>A463051</b>	Manual shut-off valve, 13mm tail, 20 bar	71.00	B
<b>A463050</b>	Blank ARAG valves	43.00	B
<b>G8372023</b>	Electric valve bank, 5-section complete with gauge port and mounting brackets	1,931.00	B
<b>G8531010</b>	Electric valve bank, 3-section complete with gauge port and mounting brackets (not pictured)	1,147.00	B
<b>G8388001</b>	Single electric boom shut-off valve, 3 wire for use with auto-rate controllers or basic electric controls, with bypass (suitable for 2 and 3-wire applications)	360.00	B



To make up your own bank of 2-wire or 3-wire motor valves (see below for valve options), order the correct kit for bolts, nuts and O-rings as shown. For end-caps and inlet/outlet fittings, see the valve adaptors section.

**VALVE MOUNTING KITS**

		\$ (EX. GST)	PROD. CAT.
<b>A463000.920</b>	Kit for 2 valves, 150mm	49.00	B
<b>A463000.930</b>	Kit for 3 valves, 207mm	60.00	B
<b>A463000.940</b>	Kit for 4 valves, 264mm	66.00	B
<b>A463000.950</b>	Kit for 5 valves, 321mm	86.00	B
<b>A463000.970</b>	Kit for 7 valves, 436mm	111.00	B



On the inlet and outlet of each motor valve there are a range of adaptors and fittings commonly used to go with the mounting kits. Use this valve adaptors diagram to choose the adaptors/fittings you require.

**VALVE ADAPTORS**

		\$ (EX. GST)	PROD. CAT.
<b>1. A463000.130</b>	Male adaptor 3/4" (BSP)	14.00	B
<b>1. A463000.140</b>	Male adaptor 1" (BSP)	14.00	B
<b>2. A463011.120</b>	End cap	5.00	B
<b>3. A463011.130</b>	Pressure gauge adaptor 1/4" (BSP)	27.00	B
<b>4. A463000.030</b>	Male adaptor 3/4" (BSP)	12.00	B
<b>4. A463000.040</b>	Male adaptor 1" (BSP)	12.00	B
<b>4. A463000.050</b>	Male adaptor 1 1/4" (BSP)	12.00	B
<b>5. A463011.110</b>	End cap	7.00	B
<b>6. A463001.113</b>	Hosetail 13mm	11.00	B
<b>6. A463001.116</b>	Hosetail 16mm	12.00	B
<b>6. A463001.119</b>	Hosetail 19mm	11.00	B
<b>6. A463001.125M</b>	Hosetail 25mm	12.00	B
<b>AG10071V</b>	O-ring to suit 863 flanges (Viton)	9.00	B
<b>A454236.080V</b>	O-ring to suit 873 flanges (Viton)	9.00	B

ACCESSORIES

# GPS PRODUCTS



TOPXD-01



GD430-GLO-PL – MATRIX 430



90-02720 – ANTENNA FOR MATRIX 430

## Topcon Manual Guidance

Designed with the future in mind, the Topcon XD touchscreen console, including revamped proprietary (Horizon) software and Topcon Agriculture Platform (TAP) integration, allows full-feature customization. Customers can optimize investment by paying only for capabilities they need.

Off-the-shelf features include Guidelines, Tasks, ISO-UT, and TAP Market. All additional Horizon OS features are easily accessible and unlockable utilizing TAP via the console or personal device.

## Matrix 430 system

Portable, simple guidance Matrix 430 system for use in agriculture. 110mm (4.3") full colour, high-contrast touch-screen with on-screen numerical prompts. Minimal set up needed – guidance options include straight A-B, curved A-B, circle pivot and last pass. Handy return-to-point and boundary functions standard. Area counter displays applied area during operation and elapsed time counter measures current job-time. Standard with patch antenna for use where satellite reception is good. Optional 90-02720 antenna.

### GPS GUIDANCE SYSTEMS

		\$ (EX. GST)	PROD. CAT.
<b>TOPXD-01</b>	Topcon Manual Guidance with receiver and XD Console	5,826.00	B
<b>GD430-GLO-P-L</b>	Matrix 430 system	5,991.00	B
<b>90-02720</b>	Upgrade antenna for Matrix 430 to improve GPS reception in areas where signal is weak	2,131.00	B

ACCESSORIES

# SPRAYING TOOLS & COVERAGE

Croplands has a great range of useful tools for checking or upgrading the performance of your sprayer. Calibrate and maintain your nozzles with ease.



LH9210



LH9205



LH9200



LH6001

			\$ (EX. GST)	PROD. CAT.
<b>L-H9210</b>	Electronic spray tip pressure tester <ul style="list-style-type: none"> <li>• Can measure in psi, kPa and bar</li> <li>• Accurate to within +/- 1 psi, 0.07 bar or 7kPa</li> <li>• 5-year battery life (depending on use)</li> </ul>	<ul style="list-style-type: none"> <li>• Easily fits to the nozzle body</li> <li>• LCD display shows nozzle pressure and unit of measure</li> <li>• For test gauge use only – not for continuous use</li> <li>• Reads from 3 to 160 psi (11 bar)</li> </ul>	356.00	D
<b>L-H9220</b>	Nozzle cleaner and multi-tool kit <ul style="list-style-type: none"> <li>• Air-blast nozzle cleaner – simply charge it with air and it will blow out any grit or residue blocking your nozzle</li> </ul>	<ul style="list-style-type: none"> <li>• Multi-tool with brush, plastic pick for removing a pre-orifice or residue, spanner wrench to make undoing nozzles so much easier and a utility hook for removing nozzle filters and the like. A must for all farmers</li> </ul>	155.00	D
<b>L-H9205</b>	Spot-on nozzle calibrator <ul style="list-style-type: none"> <li>• Waterproof design, no moving parts</li> <li>• Easy one-hand operation, electronic display</li> <li>• Reads in GPM or L/min</li> </ul>	<ul style="list-style-type: none"> <li>• Accurate to 0.01 L/min</li> <li>• Battery life approx. 2 years (has battery warning indicator)</li> <li>• Clear design allows for easy cleaning. Warning: only test your nozzles with water, not with mixed chemicals. Damage to the unit may occur</li> </ul>	562.00	D
<b>L-H6001</b>	WindMate™ handheld weather meter <ul style="list-style-type: none"> <li>• Eight functions including temperature, wet bulb temperature, wind speed and direction, dewpoint, relative humidity, Delta T and comfort index. For more information see page 66 in the nozzle section</li> </ul>	<ul style="list-style-type: none"> <li>• You simply cannot do without a WindMate™ to be sure you are spraying when conditions are right</li> </ul>	462.00	D
<b>L-M1111</b>	1L fluoro dye		185.00	D
<b>L-M1115</b>	4L fluoro dye		559.00	D
<b>20301-1</b>	Water-sensitive paper 76 x 26mm (3" x 1") pack 50		119.00	D
<b>20301-2</b>	Water-sensitive paper 76 x 52mm (3" x 2") pack 50		188.00	D

# NOZZLE SELECTION



**Spraying is a job that most farmers and growers do on a regular basis – whether for insect, disease or weed control, fertiliser applications or for soil additives, nozzle selection is a critical part of the process.**

## **Broadacre**

SprayWise Stewardship Program	61
Nozzle Flow Chart	62
Spray Quality Charts	64
Agrotop Nozzle Selection	66
ALBUZ Nozzle Selection	67
Hypro Nozzle Selection	68
TeeJet Nozzle Selection	69
Nozzle Caps	70
Nozzle Bodies and Filters	71
Spray Nozzles Wide Angle Flat and Fertiliser	72

## **Horticulture**

Spray Nozzles Specialised Application	73
Nozzle Bodies and Caps for Horticulture	74
TurboDrop® Nozzles Narrow Angle AI	77
Disc and Core Nozzles	79

NUFARM

# SPRAYWISE

Minimising spray drift is a major goal in all agricultural areas.



It is more important than ever that the agricultural industry demonstrates responsible chemical usage to reduce the need for severe application restrictions.

The SprayWise stewardship program is a Nufarm and Croplands initiative to encourage best-practice spraying and drift management techniques.

Giving you access to tools, research results and training courses to assist you to better understand spray application parameters and to better manage your spraying activities.

SprayWise Application Handbooks are used widely by specialist application consultants.



SPRAYWISE BROADACRE  
APPLICATION HANDBOOK



SPRAYWISE  
LOGBOOK



SPRAYWISE HORTICULTURE  
APPLICATION HANDBOOK

ORDER CODE	DESCRIPTION	\$ (EX. GST)	PROD. CAT.
SPRAYWISEBK	SprayWise Broadacre Application Handbook	54.00	D
SPRAYWISELOG	SprayWise Logbook	47.78	D
SPRAYWISEHK	SprayWise Horticulture Application Handbook	43.39	D

# FLOW CHART

L/HA AT VARIOUS SPEEDS (KM/HR) BASED ON A 50CM NOZZLE SPACING

		BAR	L/min/nozzle	4	6	8	10	11	12	13	14	15	16	17	18	19
01 Orange	1.5	0.28	84	56	42	33	30	28	26	24	22	21	20	19	18	
	2.0	0.32	97	64	48	39	35	32	30	28	26	24	23	21	20	
	3.0	0.40	119	79	59	47	43	40	36	34	32	30	28	26	25	
	4.0	0.46	137	91	68	55	50	46	42	39	36	34	32	30	29	
	5.0	0.51	153	102	77	61	56	51	47	44	41	38	36	34	32	
	6.0	0.56	167	112	84	67	61	56	52	48	45	42	39	37	35	
	7.0	0.60	181	121	90	72	66	60	56	52	48	45	43	40	38	
	8.0	0.65	194	129	97	77	70	65	60	55	52	48	46	43	41	
015 Green	1.5	0.42	126	84	63	50	46	42	39	36	34	32	30	28	27	
	2.0	0.48	145	97	72	58	53	48	45	41	39	36	34	32	31	
	3.0	0.59	178	118	89	71	65	59	55	51	47	44	42	39	37	
	4.0	0.68	205	137	103	82	75	68	63	59	55	51	48	46	43	
	5.0	0.76	229	153	115	92	83	76	71	65	61	57	54	51	48	
	6.0	0.84	251	167	126	100	91	84	77	72	67	63	59	56	53	
	7.0	0.91	272	181	136	109	99	91	84	78	72	68	64	60	57	
	8.0	0.96	287	191	144	115	104	96	88	82	77	72	68	64	60	
02 Yellow	1.5	0.56	167	112	84	67	61	56	52	48	45	42	39	37	35	
	2.0	0.65	194	129	97	77	70	65	60	55	52	48	46	43	41	
	3.0	0.79	237	158	119	95	86	79	73	68	63	59	56	53	50	
	4.0	0.91	274	182	137	109	100	91	84	78	73	68	64	61	58	
	5.0	1.02	306	204	153	122	111	102	94	87	82	76	72	68	64	
	6.0	1.12	335	223	168	134	122	112	103	96	89	84	79	74	71	
	7.0	1.21	362	241	181	145	132	121	111	103	96	90	85	80	76	
	8.0	1.29	387	258	193	155	141	129	119	110	103	97	91	86	81	
025 Lilac	1.5	0.70	209	140	105	84	76	70	64	60	56	52	49	47	44	
	2.0	0.81	242	161	121	97	88	81	74	69	64	60	57	54	51	
	3.0	0.99	296	197	148	118	108	99	91	85	79	74	70	66	62	
	4.0	1.14	342	228	171	137	124	114	105	98	91	86	80	76	72	
	5.0	1.27	382	255	191	153	139	127	118	109	102	96	90	85	80	
	6.0	1.40	419	279	209	168	152	140	129	120	112	105	99	93	88	
	7.0	1.51	452	302	226	181	165	151	139	129	121	113	106	101	95	
	8.0	1.61	484	322	242	193	176	161	149	138	129	121	114	107	102	
03 Blue	1.5	0.84	251	167	126	100	91	84	77	72	67	63	59	56	53	
	2.0	0.97	290	193	145	116	105	97	89	83	77	73	68	64	61	
	3.0	1.18	355	237	178	142	129	118	109	101	95	89	84	79	75	
	4.0	1.37	410	273	205	164	149	137	126	117	109	103	96	91	86	
	5.0	1.53	459	306	229	183	167	153	141	131	122	115	108	102	97	
	6.0	1.68	503	335	251	201	183	168	155	144	134	126	118	112	106	
	7.0	1.81	543	362	271	217	197	181	167	155	145	136	128	121	114	
	8.0	1.93	580	387	290	232	211	193	179	166	155	145	137	129	122	
04 Red	1.5	1.12	335	223	168	134	122	112	103	96	89	84	79	74	71	
	2.0	1.29	387	258	193	155	141	129	119	110	103	97	91	86	81	
	3.0	1.58	474	316	237	189	172	158	146	135	126	118	111	105	100	
	4.0	1.82	547	365	273	219	199	182	168	156	146	137	129	122	115	
	5.0	2.04	612	408	306	245	222	204	188	175	163	153	144	136	129	
	6.0	2.23	670	447	335	268	244	223	206	191	179	167	158	149	141	
	7.0	2.41	724	482	362	289	263	241	223	207	193	181	170	161	152	
	8.0	2.58	774	516	387	309	281	258	238	221	206	193	182	172	163	
05 Brown	1.5	1.40	419	279	209	168	152	140	129	120	112	105	99	93	88	
	2.0	1.61	484	322	242	193	176	161	149	138	129	121	114	107	102	
	3.0	1.97	592	395	296	237	215	197	182	169	158	148	139	132	125	
	4.0	2.28	684	456	342	273	249	228	210	195	182	171	161	152	144	
	5.0	2.55	764	510	382	306	278	255	235	218	204	191	180	170	161	
	6.0	2.79	837	558	419	335	304	279	258	239	223	209	197	186	176	
	7.0	3.02	905	603	452	362	329	302	278	258	241	226	213	201	190	
	8.0	3.22	967	645	483	387	352	322	298	276	258	242	228	215	204	

NOTE: COLOUR CODING FOR NOZZLE SIZES ARE NOT RELATED TO COLOUR CODING FOR SPRAY QUALITIES

**L/HA AT VARIOUS SPEEDS (KM/HR) BASED ON A 50CM NOZZLE SPACING**

**NOTE: COLOUR CODING FOR NOZZLE SIZES ARE NOT RELATED TO COLOUR CODING FOR SPRAY QUALITIES**

	BAR	L/min/nozzle	20	21	22	23	24	25	26	27	28	29	30	32	34	36	38	40
01 Orange	1.5	0.28	17	16	15	15	14	13	13	12	12	12	11	10	10	9	9	8
	2.0	0.32	19	18	18	17	16	15	15	14	14	13	13	12	11	11	10	10
	3.0	0.40	24	23	22	21	20	19	18	18	17	16	16	15	14	13	12	12
	4.0	0.46	27	26	25	24	23	22	21	20	20	19	18	17	16	15	14	14
	5.0	0.51	31	29	28	27	26	24	24	23	22	21	20	19	18	17	16	15
	6.0	0.56	33	32	30	29	28	27	26	25	24	23	22	21	20	19	18	17
	7.0	0.60	36	34	33	31	30	29	28	27	26	25	24	23	21	20	19	18
	8.0	0.65	39	37	35	34	32	31	30	29	28	27	26	24	23	22	20	19
015 Green	1.5	0.42	25	24	23	22	21	20	19	19	18	17	17	16	15	14	13	13
	2.0	0.48	29	28	26	25	24	23	22	21	21	20	19	18	17	16	15	14
	3.0	0.59	36	34	32	31	30	28	27	26	25	24	24	22	21	20	19	18
	4.0	0.68	41	39	37	36	34	33	32	30	29	28	27	26	24	23	22	21
	5.0	0.76	46	44	42	40	38	37	35	34	33	32	31	29	27	25	24	23
	6.0	0.84	50	48	46	44	42	40	39	37	36	35	33	31	30	28	26	25
	7.0	0.91	54	52	49	47	45	43	42	40	39	37	36	34	32	30	29	27
	8.0	0.96	57	55	52	50	48	46	44	43	41	40	38	36	34	32	30	29
02 Yellow	1.5	0.56	33	32	30	29	28	27	26	25	24	23	22	21	20	19	18	17
	2.0	0.65	39	37	35	34	32	31	30	29	28	27	26	24	23	22	20	19
	3.0	0.79	47	45	43	41	40	38	36	35	34	33	32	30	28	26	25	24
	4.0	0.91	55	52	50	48	46	44	42	41	39	38	36	34	32	30	29	27
	5.0	1.02	61	58	56	53	51	49	47	45	44	42	41	38	36	34	32	31
	6.0	1.12	67	64	61	58	56	54	52	50	48	46	45	42	39	37	35	34
	7.0	1.21	72	69	66	63	60	58	56	54	52	50	48	45	43	40	38	36
	8.0	1.29	77	74	70	67	64	62	59	57	55	53	52	48	45	43	41	39
025 Lilac	1.5	0.70	42	40	38	36	35	34	32	31	30	29	28	26	25	23	22	21
	2.0	0.81	48	46	44	42	40	39	37	36	35	33	32	30	28	27	25	24
	3.0	0.99	59	56	54	51	49	47	46	44	42	41	39	37	35	33	31	30
	4.0	1.14	68	65	62	59	57	55	53	51	49	47	46	43	40	38	36	34
	5.0	1.27	76	73	69	66	64	61	59	57	55	53	51	48	45	42	40	38
	6.0	1.40	84	80	76	73	70	67	64	62	60	58	56	52	49	47	44	42
	7.0	1.51	90	86	82	79	75	72	70	67	65	62	60	57	53	50	48	45
	8.0	1.61	97	92	88	84	81	77	74	72	69	67	64	60	57	54	51	48
03 Blue	1.5	0.84	50	48	46	44	42	40	39	37	36	35	33	31	30	28	26	25
	2.0	0.97	58	55	53	50	48	46	45	43	41	40	39	36	34	32	31	29
	3.0	1.18	71	68	65	62	59	57	55	53	51	49	47	44	42	39	37	36
	4.0	1.37	82	78	75	71	68	66	63	61	59	57	55	51	48	46	43	41
	5.0	1.53	92	87	83	80	76	73	71	68	66	63	61	57	54	51	48	46
	6.0	1.68	101	96	91	87	84	80	77	74	72	69	67	63	59	56	53	50
	7.0	1.81	109	103	99	94	90	87	83	80	78	75	72	68	64	60	57	54
	8.0	1.93	116	111	105	101	97	93	89	86	83	80	77	73	68	64	61	58
04 Red	1.5	1.12	67	64	61	58	56	54	52	50	48	46	45	42	39	37	35	34
	2.0	1.29	77	74	70	67	64	62	59	57	55	53	52	48	45	43	41	39
	3.0	1.58	95	90	86	82	79	76	73	70	68	65	63	59	56	53	50	47
	4.0	1.82	109	104	99	95	91	88	84	81	78	75	73	68	64	61	58	55
	5.0	2.04	122	117	111	106	102	98	94	91	87	84	82	76	72	68	64	61
	6.0	2.23	134	128	122	117	112	107	103	99	96	92	89	84	79	74	71	67
	7.0	2.41	145	138	132	126	121	116	111	107	103	100	96	90	85	80	76	72
	8.0	2.58	155	147	141	135	129	124	119	115	111	107	103	97	91	86	81	77
05 Brown	1.5	1.40	84	80	76	73	70	67	64	62	60	58	56	52	49	47	44	42
	2.0	1.61	97	92	88	84	81	77	74	72	69	67	64	60	57	54	51	48
	3.0	1.97	118	113	108	103	99	95	91	88	85	82	79	74	70	66	62	59
	4.0	2.28	137	130	124	119	114	109	105	101	98	94	91	85	80	76	72	68
	5.0	2.55	153	146	139	133	127	122	118	113	109	105	102	96	90	85	80	76
	6.0	2.79	167	159	152	146	140	134	129	124	120	115	112	105	99	93	88	84
	7.0	3.02	181	172	164	157	151	145	139	134	129	125	121	113	106	101	95	90
	8.0	3.22	193	184	176	168	161	155	149	143	138	133	129	121	114	107	102	97

# QUALITY CHARTS

		DUAL-ANGLE NOZZLES	WEED-IT	LOW-PRESSURE AIR-INDUCTION				
		ALBUZ	AGROTOP	AGROTOP	ALBUZ	HYPRO	HYPRO	TEEJET
		CVI-TWIN	Spot Fan	AirMix®	CVI	Guardian Air	ULD-120	AIXR
								
NOZZLE SIZE	BAR							
01	1.5			M				
	2.0			M				
	3.0			F				
	4.0	Not available in this size	Not available in this size	F	Not available in this size	Not available in this size	Not available in this size	Not available in this size
	5.0			F				
	6.0			F				
	7.0							
	8.0							
015	1.5	XC			VC	UC	UC	VC
	2.0	XC		XC	VC	XC	XC	C
	3.0	VC		C	VC	C	VC	C
	4.0	C	Not available in this size	C		M	C	M
	5.0	M		C		M	C	M
	6.0	M		M		M	M	M
	7.0					M	M	
	8.0					M	M	
02	1.5	XC			VC	XC	UC	VC
	2.0	VC		C	VC	VC	XC	VC
	3.0	VC		C	C	M	C	C
	4.0	C	Not available in this size	M		M	C	M
	5.0	M		M		M	M	M
	6.0	M		M		M	M	M
	7.0					M	M	
	8.0					M	M	
025	1.5	XC			VC	XC	XC	XC
	2.0	XC		VC	VC	VC	XC	VC
	3.0	XC		C	C	C	C	VC
	4.0	VC	Not available in this size	C		M	C	C
	5.0	C		M		M	M	C
	6.0	C		M		M	M	M
	7.0					M	M	
	8.0					M	M	
03	1.5	XC	UC		VC	UC	XC	XC
	2.0	XC	UC	VC	VC	XC	XC	VC
	3.0	VC	XC	C	C	VC	C	VC
	4.0	C	XC	C		C	C	C
	5.0	C		C		M	M	C
	6.0	C		M		M	M	M
	7.0					M	M	
	8.0					M	M	
04	1.5	XC	UC		VC	XC	UC	XC
	2.0	XC	UC	VC	C	VC	UC	XC
	3.0	VC	XC	C	C	C	UC	VC
	4.0	C	XC	C		M	XC	VC
	5.0	C		C		M	XC	C
	6.0	C		M		M	VC	C
	7.0					M	C	
	8.0					M	C	
05	1.5	VC			VC	XC	UC	XC
	2.0	VC		VC	C	VC	UC	XC
	3.0	C		C	C	C	XC	VC
	4.0	C	Not available in this size	C		C	XC	VC
	5.0	M		M		C	VC	C
	6.0	M		M		M	VC	C
	7.0					M	C	
	8.0					M	C	

		HIGH-PRESSURE AIR-INDUCTION				PRE-ORIFICE		INCLINED FLAT FAN
		ALBUZ	AGROTOP	TEEJET	TEEJET	ALBUZ	TEEJET	HYPRO
MODEL		AVI	TD-XL D	TTI	TTI60 TwinJet	ADI-110	DG-110	FC-3D100
								
NOZZLE SIZE	BAR							
01	1.5	VC	Not available in this size	Not available in this size	UC	F	Not available in this size	Not available in this size
	2.0	VC			UC	F		
	3.0	VC			UC	F		
	4.0	C			XC			
	5.0	C			VC			
	6.0	C			VC			
	7.0	C			VC			
	8.0				C			
015	1.5		Not available in this size	UC	UC	M	M	C
	2.0	VC		UC	UC	F	F	M
	3.0	VC		UC	XC	F	F	F
	4.0	VC		XC	VC			F
	5.0	VC		XC	VC			F
	6.0	C		XC	VC			F
	7.0	C		VC	C			F
	8.0							
02	1.5		UC	UC	UC			C
	2.0	VC	UC	UC	UC	M	M	M
	3.0	VC	XC	UC	UC	M	M	M
	4.0	VC	XC	UC	XC	F	M	F
	5.0	VC	XC	XC	XC			F
	6.0	VC	VC	XC	VC			F
	7.0	C		VC	VC			F
	8.0							
025	1.5		UC	UC	UC		Not available in this size	C
	2.0	XC	UC	UC	UC	M		C
	3.0	VC	XC	UC	UC	M		M
	4.0	VC	XC	UC	XC	F		M
	5.0	VC	XC	XC	XC			M
	6.0	VC	VC	XC	VC			F
	7.0	VC		XC	VC			F
	8.0							
03	1.5		UC	UC	UC			VC
	2.0	XC	UC	UC	UC	M	C	C
	3.0	XC	UC	UC	UC	M	M	M
	4.0	VC	XC	UC	XC	F	M	M
	5.0	VC	XC	UC	XC			M
	6.0	VC	XC	XC	VC			F
	7.0	VC		XC	VC			F
	8.0							
04	1.5		UC	UC	UC			VC
	2.0		UC	UC	UC	C	C	VC
	3.0	XC	UC	UC	UC	C	M	C
	4.0	VC	XC	UC	XC	M	M	M
	5.0	VC	XC	XC	XC			M
	6.0	VC	XC	XC	XC			M
	7.0	VC		XC	VC			M
	8.0	VC						
05	1.5		UC	UC		Data not available	C	VC
	2.0	XC	UC	UC			C	VC
	3.0	XC	UC	UC			C	C
	4.0	XC	UC	UC			M	C
	5.0	VC	UC	UC				M
	6.0	VC	XC	XC				M
	7.0	VC		XC				M
	8.0							

NOTE: SPRAY QUALITY DATA may differ from previous versions of this chart as manufacturers undertake new testing requirements. All data has been sourced from the GRDC Spray Quality data table published in January 2020. Always check current spray quality information according to ASABE 572.1 or BCPC for older data.

# NOZZLE SELECTION

# AGROTOP



AIRMIX®



TURBODROP CERAMIC



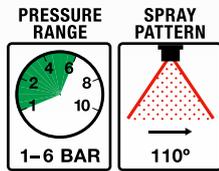
TURBODROP XL (D)



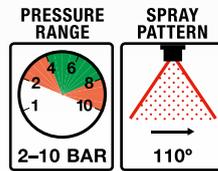
TDSF-4003

## NOZZLE OPTIONS

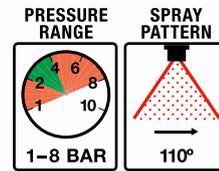
### KEY INFORMATION



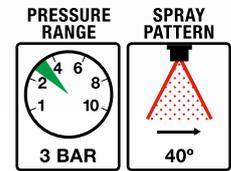
- Ideal pressure range: 1–6 bar
- Uses: weed control and plant health
- Up to 90% drift reduction



- Ideal pressure range: 4–8 bar
- Uses: weed control, plant health and liquid fertilisers
- Up to 95% drift reduction



- Ideal pressure range: 2–4 bar
- Uses: weed control, plant health and liquid fertilisers
- Up to 90% drift reduction



- Ideal pressure range: 3 bar ONLY
- Low drift option for WEED-IT spot sprayers

### KEY BENEFITS

- Excellent value
- Proven performer
- Predominantly coarse to medium droplets for good coverage
- Compact design
- Protected air inlets to avoid blockage
- Two piece for easy cleaning, no seals
- Also available as an off-centre nozzle

- Ceramic injector orifice and exit nozzle
- Small droplet size variation over pressure range
- Up to three times the life of polyacetal nozzles
- Two piece for easy disassembly
- Excellent penetration using high pressure

- Variable droplet spectra from coarse to fine as pressure increases
- Excellent drift reduction at lower pressures
- Two piece for easy disassembly

- Specifically designed for use with the WEED-IT optical spot sprayer
- Excellent drift reduction
- Two piece for easy cleaning, no seals

SPRAY QUALITY	SEE PAGE 64-65			
AVAILABLE SIZES	01 to 06	01 to 10	01 to 08	03-04
ORDER CODE	TDAM-110***	TDCFFC110***	TDXLD-***	TDSF-40**

\*\*\* DENOTES NOZZLE SIZE (I.E. 015, 02, 025, 03 ETC)

SINGLE NOZZLE PRICE	\$ (EX. GST)	13.00	\$ (EX. GST)	35.00	\$ (EX. GST)	22.00	\$ (EX. GST)	18.00
PROD. CAT.	C		C		C		C	
10 PACK AIRMIX® NOZZLES – SIZES 015 TO 04	\$ (EX. GST)	117.00	NA		NA		NA	
ORDER CODE	PR**-TDAM **10 = size 015, 11 = 02, 12 = 03, 13 = 04		NA		NA		NA	
100 PACK AIRMIX® NOZZLES – SIZES 015 TO 04	\$ (EX. GST)	1,105.00	NA		NA		NA	
ORDER CODE	PR**-TDAM100 **10 = size 015, 11 = 02, 12 = 03, 13 = 04		NA		NA		NA	

WEED-IT ONLY

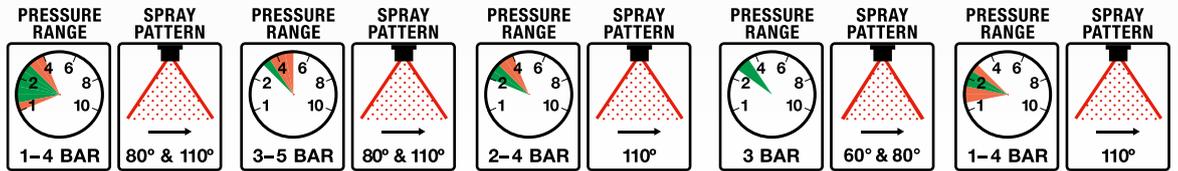
**NOZZLE SELECTION**

# ALBUZ



**NOZZLE OPTIONS**

**KEY INFORMATION**



- CVI:**
  - Ideal pressure range: 1.5–3 bar
  - Uses: weed control and plant health
  - Up to 90% drift reduction
- AVI:**
  - Ideal pressure range: 3–3.5 bar
  - Uses: weed control, plant health and liquid fertilisers
  - Up to 95% drift reduction
- ADI:**
  - Ideal pressure range: 2–3 bar
  - Uses: weed control and plant health
  - Reduces fine droplets by 50%
- ATF:**
  - Ideal pressure range: 3 bar
  - Full cone nozzle producing medium to fine droplets
  - Great coverage with full cone pattern for use on WEED-IT spot sprayers
- CVI-TWIN:**
  - Ideal pressure range: 2 bar
  - Uses: contact and systemic products

**KEY BENEFITS**

- CVI:**
  - Pink ceramic orifice for long life and precise spray quality
  - Predominantly coarse to very coarse
  - Available in 80° and 110°
  - Anti-clogging design and protected double air-intake orifice
  - Compact design
  - Also available as an off-centre nozzle
- AVI:**
  - Pink ceramic orifice for excellent wear and spray precision
  - Anti-clogging design and double air-intake orifice
  - Available in 80° and 110°
  - Also available as an off-centre nozzle and as a twin nozzle
- ADI:**
  - Pink ceramic orifice for excellent wear and spray precision
  - Compact design, easy to dismantle and clean
  - Excellent coverage potential for selected use and the right spraying conditions
- ATF:**
  - ALBUZ durable pink ceramic maintains nozzle performance and precision
  - Flow-rate characteristics, colour code meets international ISO standards
  - Can be used on a sprayer boom (spacing nozzle between 35cm and 50 cm)
  - Recommended pressure on sprayer boom: 3 bar
- CVI-TWIN:**
  - Pink ceramic orifice for long life and precise spray quality
  - The inclination of the jets improves the penetration into the vegetation
  - Air-induction nozzle
  - Angle between the jets 65°

<b>SPRAY QUALITY</b>	SEE PAGE 64–65									
<b>AVAILABLE SIZES</b>	015 to 05		01 to 10		02 to 04 in 60° and 80°		03 to 04		015 to 05	
<b>ORDER CODE</b>	AZ-CVI-110*** (110°) AZ-CVI-80*** (80°)		AZ-AVI-***-110C (110°) AZ-AVI-***-80C (80°)		AZ-ADI-***-110C		AZ-ATF-***-60C AZ-ATF-***-80C		AZ-CVIT-110***	
*** DENOTES NOZZLE SIZE (I.E. 015, 02, 025, 03 ETC)										
<b>SINGLE NOZZLE PRICE</b>	<b>\$ (EX. GST)</b>	34.00	<b>\$ (EX. GST)</b>	34.00	<b>\$ (EX. GST)</b>	18.00	<b>\$ (EX. GST)</b>	18.00	<b>\$ (EX. GST)</b>	40.00
<b>PROD. CAT.</b>	C		C		C		C		C	

**WEED-IT ONLY**

# NOZZLE SELECTION

# HYPRO



ULTRA LO-DRIFT

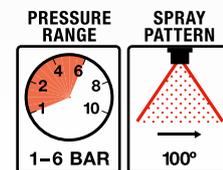
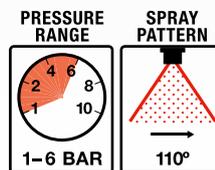
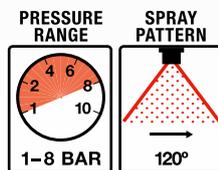


GUARDIAN AIR



3D

## NOZZLE OPTIONS



### KEY INFORMATION

#### DRIFT REDUCING, DUAL AIR-INDUCTION

- Ideal for systemic herbicide applications where drift control is crucial – ideal for 2,4-D applications
- Wide, 3-dimensional pattern creates multiple angles for the spray to cover the target
- Ideal for pre and post-emergent applications of systemic herbicides
- Designed to eliminate driftable droplets, without sacrificing coverage

#### ENHANCED COVERAGE AIR-INDUCTION

- Ideal for contact herbicide applications due to exceptional coverage through air-induction
- Speed-optimised inclined pattern provides superior droplet deposition and retention on targets
- Ideal for high-coverage application of contact herbicides
- Industry-leading coverage among air-induced spray nozzles

#### INCLINED ENHANCED COVERAGE

- Alternative incline, all-purpose nozzle for optimum spray coverage – PWM system compatible
- Optimised spray angle and incline for coverage and uniformity across the boom
- Ideal for post-emergent health protectants. Also good for high-coverage herbicide applications
- Droplet spectrum optimised for coverage, fewer droplets bounce off or drift away

<b>SPRAY QUALITY</b>	SEE PAGE 64-65					
<b>AVAILABLE SIZES</b>	015 to 08 (polyacetal)		015 to 05 (polyacetal)		015 to 08 (polyacetal)	
<b>ORDER CODE</b>	FC-ULD120-***		FC-GA110-***		FC-3D100-***	
*** DENOTES NOZZLE SIZE (I.E. 015, 02, 025, 03 ETC)						
<b>SINGLE NOZZLE PRICE</b>	<b>\$ (EX. GST)</b>	39.00	<b>\$ (EX. GST)</b>	35.00	<b>\$ (EX. GST)</b>	35.00
<b>PROD. CAT.</b>	B		B		B	

**NOZZLE SELECTION**

# TEEJET



DG DRIFT GUARD FLAT FAN TIP



AIXR AIR-INDUCTION FLAT FAN TIP



AITTJ60 AIR-INDUCTION TURBO TWINJET TWIN FLAT FAN TIP

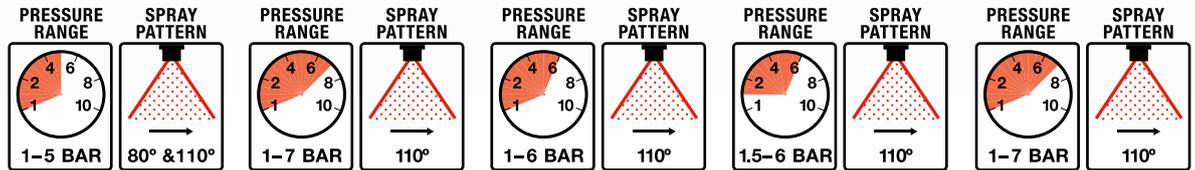


TTI TURBO TEEJET INDUCTION FLAT FAN TIP



TTI TWIN JET AIR INDUCTION TWIN FLAT FAN SPRAY TIP

**NOZZLE OPTIONS**



**KEY INFORMATION**

- Standard in polymer
  - Pre-orifice plate
  - Reduces drift-prone
  - Small droplets
  - Also available in Visi-stainless steel in some sizes in 80°
- Standard in polymer
  - Low-pressure air-induction nozzle
  - Two piece with pre-orifice
- Standard in polymer
  - Dual outlet design
  - Air-induction nozzle
  - 60° angle between forward and back spray pattern
- Standard in polymer
  - High-pressure air-induction nozzle
  - Two piece with pre-orifice
- Standard in polymer
  - High-pressure air-induction nozzle
  - All-in-one moulded nozzle and Quick TeeJet® cap design provides automatic spray alignment

SPRAY QUALITY	SEE PAGE 64-65									
AVAILABLE SIZES	015 to 05		015 to 06		02 to 08 (some larger sizes on request)		015 to 06		02 to 08	
ORDER CODE	DG110***-VP		AIXR110***-VP		AITTJ60-110***VP		TTI110***-VP		TTI60-110***VP	
*** DENOTES NOZZLE SIZE (I.E. 015, 02, 025, 03 ETC)										
SINGLE NOZZLE PRICE	\$ (EX. GST)	13.00	\$ (EX. GST)	17.00	\$ (EX. GST)	19.00	\$ (EX. GST)	26.00	\$ (EX. GST)	33.00
25 PACK	\$ (EX. GST)	306.00	\$ (EX. GST)	360.00	NA		\$ (EX. GST)	620.00	NA	
ORDER CODE	PR**-DG **10 = size 015, 11 = 02, 12 = 03, 13 = 04		PR**-AIXR **10 = size 015, 11 = 02, 12 = 03, 13 = 04, 14 = 025		NA		PR**-TTI **10 = size 015, 11 = 02, 12 = 03, 13 = 04, 14 = 025		NA	
PROD. CAT.	B		B		B		B		B	

# NOZZLE SELECTION

# CAPS



Quick TeeJet Cap



Quick TeeJet Seal

**CP19438-EPR**  
(EPDM standard)  
**CP19438-VI**  
(Viton optional standard)

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>10</b>
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Lilac

CAP	NOZZLES/SEALS TO SUIT CAPS	ORDER CODE	DESCRIPTION	\$ (EX. GST)	PROD. CAT.
	<ul style="list-style-type: none"> <li>AirMix®</li> <li>TeeJet XR, DG, TT, AIXR (smaller capacities to size 08)</li> <li>ALBUZ AXI, ADI, CVI, CVI TWIN, CVI 80</li> </ul>	<b>114441-*-CELR</b>	Cap and seat gasket set	3.00	B
		<b>PR20-*</b>	Pack of 10 caps and seats	37.00	
	<ul style="list-style-type: none"> <li>Seal for use with nozzle caps</li> </ul>	<b>CP19438-EPR</b>	Seal for nozzle caps, EPDM	1.30	B
		<b>PR60</b>	Pack of 10 seals for nozzle caps	19.00	
	<ul style="list-style-type: none"> <li>Seal for use with nozzle caps</li> </ul>	<b>CP19438-VI</b>	Seal for nozzle caps, Viton	5.50	B
	<ul style="list-style-type: none"> <li>TeeJet flat spray tips (smaller capacities) – see above. Tips can be positioned in choice of 2 spray plane directions: parallel or perpendicular to wings of Quick TeeJet cap</li> </ul>	<b>25596-8-NYR</b>	Cap and seat gasket set	3.00	B
	<ul style="list-style-type: none"> <li>TJ TwinJet / TJ60-Spray Tip / ALBUZ AVI, AVI TWIN, ESI, EXA, AIUB TeeJet / TTI Air-induction Turbo TeeJet SJ3 StreamJet</li> </ul>	<b>114443-*-CELR</b>	Cap and seat gasket set	3.00	B
	<ul style="list-style-type: none"> <li>TF-VS Turbo FloodJet / TK-VS FloodJet</li> </ul>	<b>25600-*-NYR</b>	Cap and seat gasket set	3.00	B
	<ul style="list-style-type: none"> <li>TK FloodJet / FL FullJet / TX ConeJet / TG Full Cone</li> </ul>	<b>114445-*-CELR</b>	Cap and seat gasket set	3.00	B
	<ul style="list-style-type: none"> <li>Ceramic Disc-Core/TXB ConeJet</li> <li>ALBUZ TVI</li> </ul>	<b>26278-1-NYR</b>	Cap and seat gasket set	3.00	B
	<ul style="list-style-type: none"> <li>For use with Hardi nozzle bodies</li> <li>TeeJet flat fan spray tips</li> <li>Turbo TeeJet spray tips</li> <li>AirMix® nozzles</li> </ul>	<b>23306H-1-CELR</b>	Cap and seat gasket for Hardi retro-fit cap to suit Hardi spray bodies. Available in black only	3.00	B
	<ul style="list-style-type: none"> <li>For use with Hardi nozzle bodies</li> <li>TJ TwinJet</li> <li>AI TeeJet, AIUB TeeJet spray tips flat</li> <li>TTI Air-induction Turbo TeeJet</li> </ul>	<b>21398H-1-CELR</b>	Cap and seat gasket for Hardi retro-fit cap to suit Hardi spray bodies. Available in black only	3.00	B

\* Denotes colour code as shown above - not all colours may be available.

	ORDER CODE	DESCRIPTION	\$ (EX. GST)	PROD. CAT.
	<b>CP1325</b>	TeeJet® brass 11/16" threaded cap	3.50	B
	<b>CP8027-NYB</b>	TeeJet® nylon 11/16" threaded cap	3.00	B
	<b>CP8027-1-NYB</b>	TeeJet® nylon 11/16" threaded cap, extra long	3.00	B
	<b>CP3942</b>	TeeJet® brass blanking plug	1.30	B
	<b>114447-1-CELR</b>	Blanking cap with seal, black only	7.00	B
	<b>QJ90-2-NYR</b>	QJ adaptor cap comes with gasket and ¼" female thread	13.00	B
	<b>QJ4676-¼-NYR</b>	QJ adaptor cap, 90°, comes with gasket and ¼" female thread	6.00	B
	<b>QJ4676-90-¼-N</b>	QJ adaptor cap, 90°, comes with gasket and ¼" female thread	13.00	B

**NOZZLE SELECTION**

# BODIES & FILTERS

**NOZZLE BODIES**

	DESCRIPTION	REPLACES	FEATURES	\$ (EX. GST)	PROD. CAT.
 <b>QJ17560A-1/2-NY</b>	Teejet 1/2" single drop nozzle body for wet boom	TeeJet: 2.20 QJ17560A-1/2-NYB ARAG: 402745	<ul style="list-style-type: none"> <li>• Low-pressure drop at any given flow rate</li> <li>• Unique check valve design reduces restrictions – supports faster field speeds and direct fertiliser applications</li> </ul>	11.00	B
 <b>4221N-B123</b>	PROFLO 3/4" single drop nozzle body for wet boom	TeeJet: QJ17560A-3/4-NYB ARAG: 402755	<ul style="list-style-type: none"> <li>• Bayonet attachment for correct flat fan nozzle alignment</li> <li>• Compact design – less interference with boom structures</li> <li>• 10mm nib</li> <li>• 20-bar rated</li> </ul>	16.00	B
 <b>4243N-B322V</b>	PROFLO 1/2" triple drop nozzle body for wet boom	TeeJet: QJ363C-1/2-NYB	<ul style="list-style-type: none"> <li>• Tab for boom clamp provided</li> <li>• Low-pressure drop at any given flow rate</li> <li>• Unique check valve design reduces restrictions – supports faster field speeds and direct fertiliser applications</li> </ul>	47.00	B
 <b>4243N-B323V</b>	PROFLO 3/4" triple drop nozzle body for wet boom	TeeJet: QJ363C-3/4-NYB	<ul style="list-style-type: none"> <li>• Turret-indexing design eliminates seizing issues common on other types</li> <li>• Bayonet attachment for correct flat fan nozzle alignment</li> </ul>	59.00	B
 <b>4243N-B324V</b>	PROFLO 1" triple drop nozzle body for wet boom	TeeJet: QJ363C-1-NYB	<ul style="list-style-type: none"> <li>• Compact design</li> <li>• 10mm nib</li> <li>• 20-bar rated</li> </ul>	64.00	B
 <b>24216-1/2-NYB</b>	Compact triple nozzle body for wet booms – 1/2"		Vertical turret for use in situations where space is an issue	47.00	B
 <b>24216-3/4-NYB</b>	Compact triple nozzle body for wet booms – 3/4"		Vertical turret for use in situations where space is an issue (also available in 1")	47.00	B
 <b>A402735</b>	Single drop nozzle body for wet boom – 7mm nib		Hinged clamp single nozzle body with diaphragm check valve for quick connect caps with 7mm nib – suits MBX and MAX series manual fold booms	14.00	B
 <b>QJ39685-2-500-N</b>	Dry boom nozzle body – 1/2" tee type		Dry boom nozzle body with diaphragm check valve for quick connect caps – tee type	19.00	B
 <b>QJ39685-1L500-N</b>	Dry boom nozzle body – 1/2" left elbow		Dry boom nozzle body with diaphragm check valve for quick connect caps – left elbow for boom end	19.00	B
 <b>QJ39685-1R500-N</b>	Dry boom nozzle body – 1/2" right elbow		Dry boom nozzle body with diaphragm check valve for quick connect caps – right elbow for boom end	19.00	B
 <b>B716.617.2</b>	Brass roll-over nozzle body		High-pressure roll-over nozzle body with non-drip diaphragm check valve – comes with 2 caps (no nozzles supplied). For more information on horticultural nozzle holders, see page 73	69.00	B

**NOZZLE FILTERS**

	ORDER CODE	DESCRIPTION	\$ (EX. GST)	PROD. CAT.
 <b>8079-PP-*</b>		TeeJet® polypropylene strainer, *50, *80 or *100 mesh screen	3.50	B
 <b>PR51</b>		Pack of 10 x 8079-PP-50 strainers	39.00	B
 <b>PR52</b>		Pack of 10 x 8079-PP-100 strainers	39.00	B
 <b>4193A-PP-5-*SS</b>		TeeJet® polypropylene strainer with check valve for 5 psi, *50 or *100 mesh screen	12.00	B
 <b>4193A-5-*SS</b>		TeeJet® brass strainer with check valve for 5 psi, *50 or *100 mesh screen	14.00	B
 <b>4067-SS-*</b>		TeeJet® cup strainer, *50 or *100 mesh screen	4.50	B
 <b>4514-NY-*</b>		TeeJet® nylon slotted strainer, for suspended solids, *10, *20 and *32	3.50	B

## NOZZLE SELECTION

# WIDE ANGLE FLAT FERTILISER

Thanks to the exceptional wear resistance of ALBUZ® pink ceramic, these nozzles can be used to spray suspension fertilisers. Flat jet (30° to 165° angle) provide coarse droplets without drift.

### AZ-MSI-\*\*\*

#### USE AND FEATURES

\$ (EX. GST)

PROD. CAT.



- Wide-angle flat fan Flood Jet for use with suspension fertilisers and some herbicides
- Commonly used in sugar cane and other row crops
- Ideal for soil-applied products in particular
- Exceptional wear resistance using pink ceramic surfaces
- Recommended pressure range 0.5 to 2 bar

24.00

C

\*\*\* Denotes sizes as follows: AZ-MSI-025 = Lilac, AZ-MSI-03 = Blue, AZ-MSI-04 = Red, AZ-MSI-05 = Brown, AZ-MSI-06 = Grey, AZ-MSI-08 = White, AZ-MSI-10 = Light Blue, AZ-MSI-15 = Light Green

#### FLOW RATE

BAR	Lilac	Blue	Red	Brown	Grey	White	Light Blue	Light Green
0.5	0.42	0.51	0.68	0.85	1.02	1.35	1.69	2.54
1	0.59	0.71	0.94	1.18	1.42	1.89	2.36	3.54
1.5	0.72	0.86	1.15	1.43	1.72	2.29	2.87	4.3
2	0.82	0.99	1.32	1.65	1.98	2.63	3.29	4.94
2.5	0.92	1.1	1.47	1.83	2.2	2.93	3.66	5.5
3	1	1.2	1.6	2	2.4	3.2	4	6
3.5	1.08	1.29	1.72	2.15	2.58	3.45	4.31	6.46
4	1.15	1.38	1.84	2.3	2.76	3.67	4.59	6.89

BAR	ANGLE OF SPRAY							
1	96	96	96	104	108	117	133	150
1.5	103	103	104	110	114	122	140	154
2	107	108	111	114	118	127	142	156
3	112	113	116	116	124	132	144	160
4	116	116	121	122	128	135	147	162

### AZ-ESI-\*\*\*

SIZES

TYPE SPECIFICATION AND USE

FEATURES

\$ (EX. GST)

PROD. CAT.

SIZE/ORDER CODE

FLOW RATE (L/MIN)



015 to 06

- Specifically designed for fertiliser application
- Pink ceramic calibrated pre-orifice
- Pressure range: 1–4 bar
- Uses: predominant use in ground crops

- 6 streams provide very coarse droplets for excellent distribution
- Long-wear life
- Allows a wide range of applications at varying speeds
- ISO colour coded. Tip only (caps and seal extra)
- Fits standard 50cm nozzle body spacings
- 110° pattern

17.00

C

ALBUZ ESI

PRESSURE (BAR)

	1	1.5	2	2.5	3	3.5	4
AZ-ESI-015	0.37	0.44	0.50	0.55	0.60	0.64	0.68
AZ-ESI-02	0.52	0.61	0.68	0.74	0.80	0.85	0.90
AZ-ESI-025	0.64	0.76	0.85	0.93	1.00	1.06	1.10
AZ-ESI-03	0.77	0.91	1.02	1.12	1.20	1.28	1.35
AZ-ESI-04	1.03	1.21	1.36	1.49	1.60	1.70	1.80
AZ-ESI-05	1.35	1.56	1.73	1.87	2.00	2.11	2.22

### FC-ESI-\*\*\*

SIZES

TYPE SPECIFICATION AND USE

FEATURES

\$ (EX. GST)

PROD. CAT.

SIZE/ORDER CODE

FLOW RATE (L/MIN)



015 to 20

- Specifically designed for fertiliser application
- Pink ceramic calibrated pre-orifice
- Pressure range: 1–4 bar
- Uses: soil seeded crops

- 6 streams provide very coarse droplets for excellent distribution
- Long-wear life
- Allows a wide range of applications at varying speeds
- Includes cap and seal
- Fits standard 50cm nozzle body spacings
- 110° pattern

39.00

B

HYPRO ESI

PRESSURE (BAR)

	1	1.5	2	2.5	3	4
FC-ESI-110015	0.35	0.42	0.49	0.55	0.60	0.69
FC-ESI-11002	0.46	0.57	0.65	0.73	0.80	0.92
FC-ESI-110025	0.58	0.71	0.82	0.91	1.00	1.15
FC-ESI-11003	0.69	0.85	0.98	1.10	1.20	1.39
FC-ESI-11004	0.92	1.13	1.31	1.46	1.60	1.85
FC-ESI-11005	1.15	1.41	1.63	1.83	2.00	2.31

NOZZLE SELECTION

# SPECIALISED APPLICATION

NOZZLE	TYPE AND DESCRIPTION	ORDER CODE	SIZE, MATERIAL, ANGLE	\$ (EX. GST)	PROD. CAT.
	<b>ALBUZ OCI</b> <ul style="list-style-type: none"> <li>• Ceramic</li> <li>• Off centre</li> </ul>	<b>AZ-OCI-**-80C</b>	<ul style="list-style-type: none"> <li>• 02, 03 and 04 sizes</li> <li>• Pink ceramic</li> <li>• 80°</li> </ul>	41.00	C
	<b>ALBUZ AVI</b> <ul style="list-style-type: none"> <li>• Air-induction</li> <li>• Off centre</li> </ul>	<b>AZ-AVI0C-80**</b>	<ul style="list-style-type: none"> <li>• 01 to 04 sizes</li> <li>• Pink ceramic</li> <li>• 80°</li> </ul>	62.00	C
	<b>Turbo TurfJet</b> <ul style="list-style-type: none"> <li>• Wide-angle flat spray pattern</li> <li>• Extremely coarse droplets</li> <li>• Designed for turf applications</li> <li>• 1.5–5 bar pressure range</li> </ul>	<b>¼TTJ**-VP</b>	<ul style="list-style-type: none"> <li>• 02 to 15 sizes</li> <li>• Polymer</li> </ul>	37.00	B
		<b>¼TTJ**-VS</b>	<ul style="list-style-type: none"> <li>• 02 to 15 sizes</li> <li>• Stainless steel</li> </ul>	39.00	
	<b>Turbo FloodJet</b> <ul style="list-style-type: none"> <li>• Wide-angle flat spray pattern</li> <li>• Extremely coarse droplets</li> <li>• Precise distribution pattern</li> <li>• 1–3 bar pressure range</li> </ul>	<b>TF-VP*</b>	<ul style="list-style-type: none"> <li>• 2 to 10 sizes</li> <li>• Polymer</li> </ul>	7.50	B
		<b>TF-VS*</b>	<ul style="list-style-type: none"> <li>• 2 to 10 sizes</li> <li>• Steel</li> </ul>	31.00	
	<b>FloodJet</b> <ul style="list-style-type: none"> <li>• Wide-angle flat spray pattern</li> <li>• 1–3 bar pressure range</li> </ul>	<b>TK-VS*</b>	<ul style="list-style-type: none"> <li>• 2 to 10 sizes</li> <li>• Steel</li> </ul>	31.00	B
	<b>BoomJet</b> <ul style="list-style-type: none"> <li>• Large-capacity boomless nozzle</li> <li>• Extra-wide flat spray projection</li> <li>• Ideal for difficult access areas when spraying</li> <li>• Useful for liquid fertiliser applications</li> </ul>	<b>5880-¾-2TOC**</b>	<ul style="list-style-type: none"> <li>• 10 to 40 sizes</li> <li>• Brass</li> </ul>	597.00	B
	<b>XP BoomJet</b> <ul style="list-style-type: none"> <li>• Boomless flat spray nozzles</li> <li>• Useful for roadside, end-row, orchard or forestry applications</li> <li>• Extra-wide spray pattern</li> <li>• Left and right options</li> <li>• 1–4 bar pressure range</li> <li>• Excellent distribution</li> </ul>	<b>B¼XP**L-VP</b> <b>B¼XP**R-VP</b>	<ul style="list-style-type: none"> <li>• 10, 20 and 25 ¼" sizes</li> <li>• Acetal left and right options</li> </ul>	110.00	B
		<b>B½XP**L-VP</b> <b>B½XP**R-VP</b>	<ul style="list-style-type: none"> <li>• 40 and 80 ½" sizes</li> <li>• Acetal left and right options</li> </ul>	135.00	

NOZZLE SELECTION

# HORTICULTURE



## SPRAYWISE ORCHARD/VINEYARD NOZZLE SELECTION

### STEP 1

Calculate the dilute L/100m rate.

For example, a 1.5m grape VSP canopy has a dilute volume of 30 L/100m row (1.5 x 20 L). Use table 1 (page 75) to sanity check what this L/100m rate represents in L/ha. Select your row spacing and follow the column down until you reach 30 or the nearest number. If you follow the row to the left the table will give you the per ha volume. Or you can work reverse from the per ha rate to find the L/100m rate.

		Row Spacing (m)									
		1.6	1.8	2	2.1	2.4	2.5	2.7	3	3.1	3.3
L/ha	100	1.6	1.8	2	2.1	2.4	2.5	2.7	3	3.1	3.3
	150	2.4	2.7	3	3.1	3.6	3.8	4	4.2	4.5	4.8
	200	3.2	3.6	4	4.2	4.8	5	5.4	6	6.3	6.7
	250	4	4.5	5	5.2	6	6.3	6.7	7.5	7.8	8.3
	300	4.8	5.4	6	6.3	7.2	7.5	8	9	9.4	10
	350	5.6	6.3	7	7.2	8.4	8.8	9.4	10.5	11	11.7
	400	6.4	7.2	8	8.4	9.6	10	10.6	12	12.6	13.3
	450	7.2	8.1	9	9.4	10.8	11.3	12	13.5	14.1	14.8
	500	8	9	10	10.5	12	12.6	13.3	15	15.6	16.3
	550	8.8	10	11	11.5	13.2	13.8	14.6	16.5	17.2	18

### STEP 2

Work out the total flow rate of your pump per minute/row by matching the per 100m rate with your speed.

For example, you want to drive 8 km/hr. Find 8 km/hr on the top of table 2 and follow the column down until you reach 30 or the nearest number. If you follow the row to the right the table will give you the total flow rate you need per row to put out 30 L/100m at 8 km/hr. The flow rate is 40 L/min per row.

		L/100 m									
		1	1.5	2	2.5	3	4	4.5	5	5.5	6
L/min	1	0.17	0.25	0.33	0.42	0.5	0.67	0.75	0.83	0.92	1
	2	0.33	0.5	0.67	0.83	1	1.33	1.5	1.67	1.83	2
	3	0.5	0.67	0.83	1	1.33	1.67	2	2.25	2.5	2.67
	4	0.67	0.83	1	1.33	1.67	2	2.5	3	3.33	3.5
	5	0.83	1	1.33	1.67	2	2.5	3	3.5	4	4.17
	6	1	1.33	1.67	2	2.5	3	3.5	4	4.67	5
	7	1.17	1.5	1.83	2.25	2.67	3.33	4	4.67	5.5	6
	8	1.33	1.67	2	2.5	3	3.5	4	4.67	5.5	6
	9	1.5	1.83	2.25	2.67	3.33	4	4.67	5.5	6	6.67
	10	1.67	2	2.5	3	3.5	4	4.67	5.5	6	6.67

### STEP 3

Work out the individual flow rate for each nozzle. If all nozzles are the same size, you can simply divide the total flow rate per row by the number of nozzles per row.

For example, we have 24 nozzles per row and needed a total flow rate of 40 L/min. Each nozzle needs to put out 1.66 L/min (40/24). If several nozzle sizes are preferred the volume needs to be split. For example, rather than looking at all 24 nozzles putting out the same you could look at 12 nozzles putting out 25 L/min and 12 nozzles putting out 15 L/min.

### STEP 4

Match up pressure and nozzles size to achieve these outputs in table on pages 76 and 77.

### ATR HOLLOW CONE FLOW RATE CHART

BAR	5	YELLOW	ORANGE
	5	0.73	0.99
6	0.8	1.08	
7	0.86	1.17	
8	0.92	1.24	
9	0.97	1.32	
10	1.03	1.39	

## 1

		L/ha ↔ L/100 m																		Table unit L/100 m								
		Row Spacing (m)																										
		1.6	1.8	2	2.1	2.4	2.5	2.7	2.8	2.9	3	3.1	3.2	3.3	3.5	3.6	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	10
L/ha	100	1.6	1.8	2	2.1	2.4	2.5	2.7	2.8	2.9	3	3.1	3.2	3.3	3.5	3.6	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	10
	150	2.4	2.7	3	3.1	3.6	3.8	4	4.2	4.4	4.5	4.7	4.8	5	5.3	5.4	6	6.8	7.5	8.3	9	9.8	10.5	11.3	12	12.8	13.5	15
	200	3.2	3.6	4	4.2	4.8	5	5.4	5.6	5.8	6	6.2	6.4	6.7	7	7.2	8	9	10	11	12	13	14	15	16	17	18	20
	250	4	4.5	5	5.2	6	6.3	6.7	7	7.3	7.5	7.8	8	8.3	8.8	9.0	10	11.3	12.5	13.8	15	16.3	17.5	18.8	20	21	23	25
	300	4.8	5.4	6	6.3	7.1	7.5	8.1	8.4	8.7	9	9.3	9.6	10	10.5	10.8	12	13.5	15	16.5	18	19.5	21	23	24	26	27	30
	350	5.6	6.3	7	7.3	8.3	8.8	9.4	9.8	10.2	10.5	10.9	11.2	11.7	12.3	12.6	14	15.8	17.5	19.3	21	23	25	26	28	30	32	35
	400	6.4	7.2	8	8.3	9.5	10	10.8	11.2	11.6	12	12.4	12.8	13.3	14	14.4	16	18	20	22	24	26	28	30	32	34	36	40
	450	7.2	8.1	9	9.4	11	11.3	12.1	12.6	13.1	13.5	14	14.4	15	15.8	16.2	18	20	23	25	27	29	32	34	36	38	41	45
	500	8	9	10	10	12	12.5	13.5	14	14.5	15	15.5	16	16.7	17.5	18	20	23	25	28	30	33	35	38	40	43	45	50
	600	9.6	10.8	12	13	14	15	16.2	16.8	17.4	18	18.6	19.2	20	21	22	24	27	30	33	36	39	42	45	48	51	54	60
	700	11.2	12.6	14	15	17	17.5	18.9	19.6	20	21	22	22	23	25	25	28	32	35	39	42	46	49	53	56	60	63	70
	750	12	13.5	15	16	18	18.8	20	21	22	23	23	24	25	26	27	30	34	38	41	45	49	53	56	60	64	68	75
	800	12.8	14.4	16	17	19	20	22	22	23	24	25	26	27	28	29	32	36	40	44	48	52	56	60	64	68	72	80
	900	14.4	16.2	18	19	21	23	24	25	26	27	28	29	30	32	32	36	41	45	50	54	59	63	68	72	77	81	90
	1000	16	18	20	21	24	25	27	28	29	30	31	32	33	35	36	40	45	50	55	60	65	70	75	80	85	90	100
	1100	17.6	19.8	22	23	26	28	30	31	32	33	34	35	37	39	40	44	50	55	61	66	72	77	83	88	94	99	110
	1200	19.2	22	24	25	29	30	32	34	35	36	37	38	40	42	43	48	54	60	66	72	78	84	90	96	102	108	120
	1300	21	23	26	27	31	33	35	36	38	39	40	42	43	46	47	52	59	65	72	78	85	91	98	104	111	117	130
	1400	22	25	28	29	33	35	38	39	41	42	43	45	47	49	50	56	63	70	77	84	91	98	105	112	119	126	140
	1500	24	27	30	31	36	38	40	42	44	45	47	48	50	53	54	60	68	75	83	90	98	105	113	120	128	135	150
	1600	26	29	32	33	38	40	43	45	46	48	50	51	53	56	58	64	72	80	88	96	104	112	120	128	136	144	160
	1700	27	31	34	35	40	43	46	48	49	51	53	54	57	60	61	68	77	85	94	102	111	119	128	136	145	153	170
	1800	29	32	36	38	43	45	49	50	52	54	56	58	60	63	65	72	81	90	99	108	117	126	135	144	153	162	180
	1900	30	34	38	40	45	48	51	53	55	57	59	61	63	67	68	76	86	95	105	114	124	133	143	152	162	171	190
	2000	32	36	40	42	48	50	54	56	58	60	62	64	67	70	72	80	90	100	110	120	130	140	150	160	170	180	200
	2500	40	45	50	52	60	63	67	70	73	75	78	80	83	88	90	100	113	125	138	150	163	175	188	200	213	225	250
	3000	48	54	60	63	71	75	81	84	87	90	93	96	100	105	108	120	135	150	165	180	195	210	225	240	255	270	300
	4000	64	72	80	83	95	100	108	112	116	120	124	128	133	140	144	160	180	200	220	240	260	280	300	320	340	360	400
	5000	80	90	100	104	119	125	135	140	145	150	155	160	167	175	180	200	225	250	275	300	325	350	375	400	425	450	500
	6000	96	108	120	125	143	150	162	168	174	180	186	192	200	210	216	240	270	300	330	360	390	420	450	480	510	540	600
	7000	112	126	140	146	167	175	189	196	203	210	217	224	233	245	252	280	315	350	385	420	455	490	525	560	595	630	700
	8000	128	144	160	167	190	200	216	224	232	240	248	256	266	280	288	320	360	400	440	480	520	560	600	640	680	720	800
	9000	144	162	180	188	214	225	243	252	261	270	279	288	300	315	324	360	405	450	495	540	585	630	675	720	765	810	900
	10000	160	180	200	208	238	250	270	280	290	300	310	320	333	350	360	400	450	500	550	600	650	700	750	800	850	900	1000
Conversion Factor		62.5	55.5	50	47.6	41.7	40	37.0	35.7	34.5	33.3	32.3	31.3	30.3	28.6	27.8	25	22.2	20	18.2	16.7	15.4	14.3	13.3	12.5	11.8	11.1	10
Formula		$L/100\text{ m} = L/ha \div 100 \times \text{rowspacing (m)}$															$L/ha = L/100\text{ m} \times 100 \div \text{rowspacing (m)}$											

## 2

		L/100 m ↔ L/min																		Table unit = L/100 m														
		Travel Speed (km/h)										Travel Speed (km/h)																						
		1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	8	9	10	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	8	9	10	
Total Flow Rate of All Nozzles (L/min)	2	12	8	6	4.8	4	3.4	3	2.7	2.4	2.2	2	1.8	1.7	1.5	1.3	1.2	60	360	240	180	144	120	103	90	80	72	65	60	55	51	45	40	36
	3	18	12	9	7.2	6	5.1	4.5	4	3.6	3.3	3	2.8	2.6	2.3	2	1.8	62	372	248	186	149	124	106	93	83	74	68	62	57	53	47	41	37
	4	24	16	12	9.6	8	6.9	6	5.3	4.8	4.4	4	3.7	3.4	3	2.7	2.4	64	384	256	192	154	128	110	96	85	77	70	64	59	55	48	43	38
	5	30	20	15	12	10	8.6	7.5	6.7	6	5.5	5	4.6	4.3	3.8	3.3	3	66	396	264	198	158	132	113	99	88	79	72	66	61	57	50	44	40
	6	36	24	18	14.4	12	10.3	9	8	7.2	6.5	6	5.5	5.1	4.5	4	3.6	68	408	272	204	163	136	117	102	91	82	74	68	63	58	51	45	41
	7	42	28	21	16.8	14	12	10.5	9.3	8.4	7.6	7	6.5	6	5.3	4.7	4.2	70	420	280	210	168	140	120	105	93	84	76	70	65	60	53	47	42
	8	48	32	24	19.2	16	13.7	12	10.7	9.6	8.7	8	7.4	6.9	6	5.3	4.8	72	432	288	216	173	144	123	108	96	86	79	72	66	62	54	48	43
	9	54	36	27	22	18	15.4	13.5	12	10.8	9.8	9	8.3	7.7	6.8	6	5.4	74	444	296	222	178	148	127	111	99	89	81	74	68	63	56	49	44
	10	60	40	30	24	20	17.1	15	13.3	12	10.9	10	9.2	8.6	7.5	6.7	6	76	456	304	228	182	152	130	114	101	91	83	76	70	65	57	51	46
	11	66	44	33	26	22	19	17	14.7	13.2	12	11	10.2	9.4	8.3	7.3	6.6	78	468	312	234	187	156	134	117	104	94	85	78	72	67	59	52	47
	12	72	48	36	29	24	21	18	16	14.4	13.1	12	11.1	10.3	9	8	7.2	80	480	320	240	192	160	137	120	107	96	87	80	74	69	60	53	48
	13	78	52	39	31	26	22	20	17.3	15.6	14.2	13	12	11.1	9.8	8.7	7.8	85	510	340	255	204	170	146	128	113	102	93	85	78	73	64	57	51
	14	84	56	42	34	28	24	21	18.7	16.8	15.3	14	12.9	12	10.5	9.3	8.4	90	540	360	270	216	180	154	135	120	108	98	90	83	77	68	60	54
	15	90	60	45	36	30	26	23	20	18	16.4	15	13.8	12.9	11.3	10	9	95	570	380	285	228	190	163	143	127	114	104	95	88	81	71	63	57
	16	96	64</																															

# NOZZLE SELECTION

# HORTICULTURE

## ALBUZ ATR 80°



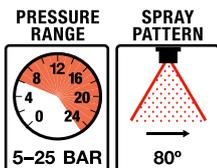
**AZ-ATR-\*\*\*-80C**

**\*\* DENOTES COLOUR, E.G. YW**

\$ (EX. GST) PROD. CAT.

18.00 C

- Hollow cone 80°
- Precision-polished pink ceramic surfaces for long life
- Easily dismantled for cleaning
- Perfect sealing of swirl chamber for precise flow rate
- Pressure range 0–25 bar (optimum 8–15 bar)
- For tree, vine and trellis crops
- Ideal for fungicides and insecticides
- Fine to very-fine droplets for excellent spray coverage
- European colour coded (see chart below for pressure, flow rates and colours)



\*\*Colour codes: WE = white, LC = lilac, BN = brown, YW = yellow, OE = orange, RD = red, GY = grey, GN = green, BK = black, BE = blue, PE = purple

## ALBUZ ATR 60° AND 80° HOLLOW CONE NOZZLE CHART

Bar	L/MIN										
	White	Lilac	Brown	Yellow	Orange	Red	Grey	Green	Black	Blue	Purple
5	0.27	0.36	0.48	0.73	0.99	1.38	1.5	1.78	2	2.45	3.05
6	0.29	0.39	0.52	0.8	1.08	1.51	1.63	1.94	2.18	2.67	3.32
7	0.32	0.42	0.56	0.86	1.17	1.62	1.76	2.09	2.35	2.87	3.57
8	0.34	0.45	0.6	0.92	1.24	1.73	1.87	2.22	2.5	3.06	3.81
9	0.36	0.48	0.64	0.97	1.32	1.83	1.98	2.35	2.64	3.24	4.03
10	0.38	0.50	0.67	1.03	1.39	1.92	2.08	2.47	2.78	3.4	4.23
11	0.39	0.52	0.7	1.07	1.45	2.01	2.17	2.58	2.9	3.56	4.43
12	0.41	0.55	0.73	1.12	1.51	2.09	2.26	2.69	3.03	3.71	4.61
13	0.43	0.57	0.76	1.17	1.57	2.17	2.35	2.79	3.14	3.85	4.79
14	0.44	0.59	0.79	1.21	1.63	2.25	2.43	2.89	3.26	3.99	4.96
15	0.46	0.61	0.81	1.25	1.69	2.33	2.51	2.99	3.36	4.12	5.12
16	0.47	0.63	0.84	1.29	1.74	2.4	2.59	3.08	3.47	4.25	5.28
17	0.48	0.64	0.86	1.33	1.79	2.47	2.67	3.17	3.57	4.37	5.43
18	0.50	0.66	0.89	1.37	1.84	2.54	2.74	3.25	3.67	4.49	5.58
19	0.51	0.68	0.91	1.4	1.89	2.6	2.81	3.34	3.76	4.61	5.73
20	0.52	0.70	0.93	1.44	1.94	2.67	2.88	3.42	3.85	4.72	5.87

## ALBUZ ATR 60°



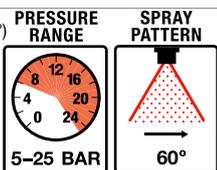
**AZ-ATR-\*\*\*-60C**

**\*\* DENOTES COLOUR, E.G. YW**

\$ (EX. GST) PROD. CAT.

18.00 C

- Hollow cone 60° (note – white & purple only available in 80°)
- Precision-polished pink ceramic surfaces for long life
- Easily dismantled for cleaning
- Perfect sealing of swirl chamber for precise flow rate
- Pressure range 0–25 bar (optimum 8–15 bar)
- For tree, vine and trellis crops
- Ideal for fungicides and insecticides
- European colour coded



\*\*Colour codes: WE = white, LC = lilac, BN = brown, YW = yellow, OE = orange, RD = red, GY = grey, GN = green, BK = black, BE = blue, PE = purple

## ALBUZ ATI 80°, 60°, 40° HOLLOW CONE NOZZLE CHART

Bar	FLOW RATE CHART L/MIN									
	Lilac	Pink	Orange	Green	Yellow	Purple	Blue	Brown	Red	Brown
	80-0050	80-0075	80-01	80-015	80-02	80-025	80-03	80-035	80-04	80-05
3	0.20	-	-	-	-	-	-	-	-	-
4	0.23	-	-	-	-	-	-	-	-	-
5	0.26	0.39	0.52	0.77	1.03	1.29	1.55	1.81	2.07	2.58
6	0.28	0.42	0.57	0.85	1.13	1.41	1.70	1.98	2.26	2.83
7	0.31	0.46	0.61	0.92	1.22	1.53	1.83	2.14	2.44	3.06
8	0.33	0.49	0.65	0.98	1.31	1.63	1.96	2.29	2.61	3.27
9	0.35	0.52	0.69	1.04	1.39	1.73	2.08	2.42	2.77	3.46
10	0.37	0.55	0.73	1.10	1.46	1.83	2.19	2.56	2.92	3.65
11	0.38	0.57	0.77	1.15	1.53	1.91	2.30	2.68	3.06	3.83
12	0.40	0.60	0.80	1.20	1.60	2.00	2.40	2.80	3.20	4.00
13	0.42	0.62	0.83	1.25	1.67	2.08	2.50	2.91	3.33	4.16
14	0.43	0.65	0.86	1.30	1.73	2.16	2.59	3.02	3.43	4.32
15	0.45	0.67	0.89	1.34	1.79	2.24	2.68	3.13	3.52	4.47
16	0.46	0.69	0.92	1.39	1.85	2.31	2.77	3.23	3.70	4.62
17	0.48	0.71	0.95	1.43	1.90	2.38	2.86	3.33	3.81	4.76
18	0.49	0.73	0.98	1.47	1.96	2.45	2.94	3.43	3.92	4.90
19	0.50	0.75	1.01	1.51	2.01	2.52	3.02	3.52	4.03	5.03
20	0.52	0.77	1.03	1.55	2.07	2.58	3.10	3.61	4.13	5.16
21	0.53	0.79	1.06	1.59	2.12	2.65	3.17	3.70	4.23	5.29
22	0.54	0.81	1.08	1.62	2.17	2.71	3.25	3.75	4.33	5.42
23	0.55	0.83	1.11	1.66	2.22	2.77	3.32	3.88	4.43	5.54
24	0.57	0.85	1.13	1.70	2.26	2.83	3.39	3.96	4.53	5.66
25	0.58	0.87	1.15	1.73	2.31	2.89	3.46	4.04	4.62	5.77

## ALBUZ ATI 80°, 60°, 40°

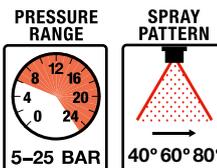


**AZ-ATI-\*\*DENOTES ANGLE FIRST EG 80,60,40, SECOND \*\* DENOTES SIZE, EG 02**

\$ (EX. GST) PROD. CAT.

18.00 C

- Hollow cone in 80°, 60°, 40°
- 80° comes in all sizes, 60° in 075 and above, 40° comes in 03 & 04 sizes
- Hollow cone nozzle producing fine droplets
- Flow rate characteristics, colour code meet international ISO standards
- Easy dismantling for cleaning
- Can be used on a sprayer boom from 3 bar pressure
- Precision polished ceramic surfaces of internal components ensure perfect sealing of the swirl chamber to give precise flowrate.
- Recommend pressure: 10 bar



## ALBUZ TVI

\$ (EX. GST) PROD. CAT.

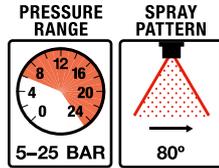


**AZ-TVI-\*\*\*\*-80C**

44.00 C

**\*\*\*\* DENOTES SIZE, SEE TABLE TO THE RIGHT**

- Air-induction hollow cone nozzle (venture system)
- Large drops filled with air for drift control
- Precision-polished pink ceramic surfaces
- Compact length (19mm)
- Perfect sealing of swirl chamber for precise flow rate
- Ideal for fungicides and insecticides
- Coarse to ultra-coarse droplets for drift control
- ISO colour coding



## SPRAY QUALITY INFORMATION FOR TVI NOZZLES

TVI 80°

Bar	Purple 80-0050	Orange 80-001	Green 80-015	Yellow 80-02	Lilac 80-025	Blue 80-03	Red 80-04
5		UC	UC	UC	UC	UC	UC
7	UC	VC	UC	UC	UC	UC	UC
10	XC	VC	XC	XC	XC	UC	UC
15	VC	C	VC	VC	VC	XC	UC

## ALBUZ TVI 80° HOLLOW CONE NOZZLE CHART

L/MIN

Bar	Purple 80-0050	Orange 80-001	Green 80-015	Yellow 80-02	Lilac 80-025	Blue 80-03	Red 80-04
5	-	0.39	0.52	0.77	1.03	1.29	1.55
6	-	0.42	0.57	0.85	1.13	1.41	1.70
7	0.31	0.46	0.61	0.92	1.22	1.53	1.83
8	0.33	0.49	0.65	0.98	1.31	1.63	1.96
9	0.35	0.52	0.69	1.04	1.39	1.73	2.08
10	0.37	0.55	0.73	1.10	1.46	1.83	2.19
11	0.38	0.57	0.77	1.15	1.53	1.91	2.30
12	0.40	0.60	0.80	1.2	1.6	2.00	2.40
13	0.42	0.62	0.83	1.25	1.67	2.08	2.50
14	0.43	0.65	0.86	1.30	1.73	2.16	2.59
15	0.45	0.67	0.89	1.34	1.79	2.24	2.68
16	0.46	0.69	0.92	1.39	1.85	2.31	2.77
17	0.48	0.71	0.95	1.43	1.90	2.38	2.86
18	0.49	0.73	0.98	1.47	1.96	2.45	2.94
19	0.50	0.75	1.01	1.51	2.01	2.52	3.02
20	0.52	0.77	1.03	1.55	2.07	2.58	3.10
21	0.53	0.79	1.06	1.59	2.12	2.65	3.17
22	0.54	0.81	1.08	1.62	2.17	2.71	3.25
23	0.55	0.83	1.11	1.66	2.22	2.77	3.32
24	0.57	0.85	1.13	1.70	2.26	2.83	3.39
25	0.58	0.87	1.15	1.73	2.31	2.89	3.46



## TURBODROP® NARROW ANGLE AI

\$ (EX. GST) PROD. CAT.

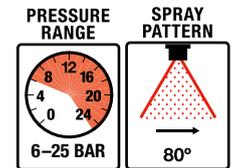


**TDCFFC60\*\*UNI**

57.00

C

- High-pressure air-induction nozzle
- 20, 40 and 60° options
- Fully ceramic injector and exit tip
- Pressure range 6–25 bar
- Modular construction



## NOZZLE SIZE (ISO COLOUR CODED) AND OUTPUT

L/MIN

Bar	01	15	02	025	03	04	05	06
6	0.57	0.85	1.13	1.41	1.70	2.26	2.83	3.39
7	0.61	0.92	1.22	1.53	1.83	2.44	3.05	3.67
8	0.65	0.98	1.31	1.63	1.96	2.61	3.26	3.92
9	0.69	1.04	1.39	1.73	2.08	2.77	3.46	4.16
10	0.73	1.09	1.46	1.82	2.19	2.92	3.65	4.38
12	0.80	1.20	1.60	2.00	2.40	3.20	4.00	4.80
14	0.86	1.29	1.73	2.16	2.59	3.46	4.32	5.19
16	0.92	1.38	1.85	2.31	2.77	3.70	4.62	5.54
18	0.98	1.47	1.96	2.45	2.94	3.92	4.90	5.88
20	1.03	1.55	2.07	2.58	3.10	4.13	5.16	6.20
22	1.08	1.62	2.17	2.71	3.25	4.33	5.41	6.50
24	1.13	1.70	2.26	2.83	3.39	4.53	5.65	6.79
25	1.15	1.73	2.31	2.89	3.47	4.62	5.77	6.93

## NOZZLE SELECTION

# BODIES & CAPS

### KEY FEATURES

1. Caps for use with TurboDrop® AI nozzles in horticultural applications
2. Nozzle bodies and o-rings used on Croplands sprayers for horticulture

Note – the complete nozzle body, when ordered from Croplands, comes with a cap/caps to suit. When ordering caps and o-rings to suit TurboDrop® AI nozzles, use the codes on the right-hand side of the table below.

### QUICK GUIDE

1. Choose the correct cap to suit the nozzle body on your sprayer
2. The TurboDrop® uni narrow-angle nozzles click together and remain in the cap once assembled. They cannot be disassembled – so choose the cap you need
3. Suitable o-rings are required for a complete seal – see table below



NOZZLE BODY	FITTED TO	CAP AND O-RING TO ORDER	DESCRIPTION	ORDER CODE	\$ (EX. GST)	PROD. CAT.
 <b>B716.617.2</b> (STANDARD TYPE)	Croplands Cropliner® sprayers, Silvan models and other brands	 <b>B716.605.3</b>	Brass cap	<b>B716.605.3</b>	3.50	B
 <b>B73.610.105</b> (ORGANIC TYPE)	Croplands Cropliner® sprayers for organic spraying	 <b>B716.605.3</b>	Brass cap	<b>B716.605.3</b>	3.50	B
 <b>B75.617.10F</b> (STANDARD TYPE)	Croplands Cropliner® and Cropliner SP® front entry fan models	 <b>B75.605.46</b>	Brass cap	<b>B75.605.46</b>	3.50	B
 <b>B264.612.172</b>	Croplands Quantum™ sprayers	 <b>B256.605.7</b>	Nickel plated cap	<b>B256.605.7</b>	3.50	B
 <b>B67.617.67</b>	Croplands Quantum™ tower sprayers	 <b>B256.605.7</b>	Nickel plated cap	<b>B256.605.7</b>	3.50	B
<b>O-RINGS TO SEAL THE CAPS ON ALL LISTED NOZZLE BODIES ABOVE</b>	Croplands Quantum™ sprayers	 <b>B73.602.22</b>	O-ring, 16mm O.D. x 10.8 I.D.	<b>B73.602.22</b>	0.80	B

### PRICING FOR NOZZLE BODIES SHOWN IN TABLE ABOVE

ORDER CODE	DESCRIPTION	\$ (EX. GST)	PROD. CAT.
<b>B716.617.2</b>	Standard swing-over nozzle body, suits Croplands Cropliner sprayers	69.00	B
<b>B73.610.105</b>	Organic model swing-over nozzle body, suits Croplands Cropliner sprayers for organic applications	59.00	B
<b>B75.617.10F</b>	Swing-over nozzle body for Croplands front-entry fan models	69.00	B
<b>B264.612.172</b>	Single-swivel nozzle body for Croplands Quantum™ sprayers	20.00	B
<b>B67.617.67</b>	Non-drip body with shut off for Croplands Quantum™ sprayers	60.00	B

NOZZLE SELECTION

# DISCS & CORES

**NOZZLES - DISCS AND CORES**

NOZZLE	TYPE AND DESCRIPTION	SAMPLE ORDER CODE	TYPE	SIZE RANGE, MATERIAL	\$ (EX. GST)	PROD. CAT.
	Disc and Core Jets: • Full and hollow cone spray patterns • Medium to fine droplets for use in air assisted situations • 5–20 bar recommended range	<b>AZ-AD*</b>	Disc	• 1 to 7 • Pink ceramic	8.50	C
		<b>AZ-AC**</b>	Core	• 13 to 56 • Pink ceramic	14.00	C

**DISC AND CORE ALBUZ CERAMIC - FLOW RATES**

DISC SIZE	CORE SIZE	ORIFICES DIAMETER	L/MIN							ANGLES	
			3 BAR	4 BAR	5 BAR	6 BAR	10 BAR	15 BAR	20 BAR	10 BAR	20 BAR
AD 1	AC 3	0,8	0,24	0,27	0,3	0,33	0,41	0,49	0,56	70°	79°
AD 2	AC 13	1,02	0,31	0,35	0,39	0,42	0,53	0,64	0,73	87°	97°
AD 3	AC 13	1,2	0,36	0,41	0,45	0,49	0,61	0,74	0,84	89°	98°
AD 4	AC 13	1,56	0,45	0,52	0,57	0,62	0,78	0,93	1,06	99°	103°
AD 5	AC 13	2	0,55	0,62	0,69	0,75	0,94	1,13	1,29	102°	105°
AD 1	AC 23	0,8	0,28	0,32	0,35	0,38	0,48	0,57	0,65	66°	74°
AD 2	AC 23	1,02	0,37	0,43	0,47	0,51	0,64	0,77	0,88	83°	93°
AD 3	AC 23	1,2	0,44	0,51	0,56	0,61	0,76	0,92	1,04	84°	92°
AD 4	AC 23	1,56	0,56	0,64	0,71	0,77	0,97	1,16	1,32	92°	98°
AD 5	AC 23	2	0,72	0,82	0,91	0,99	1,24	1,49	1,7	96°	99°
AD 6	AC 23	2,4	0,85	0,97	1,07	1,16	1,46	1,75	2	99°	101°
AD 1	AC 25	0,8	0,41	0,46	0,51	0,55	0,7	0,84	0,95	50°	60°
AD 2	AC 25	1,02	0,59	0,67	0,74	0,8	1,01	1,21	1,38	57°	66°
AD 3	AC 25	1,2	0,72	0,81	0,9	0,98	1,23	1,48	1,68	63°	69°
AD 4	AC 25	1,56	1,02	1,16	1,28	1,39	1,75	2,1	2,39	75°	80°
AD 5	AC 25	2	1,41	1,6	1,77	1,92	2,42	2,9	3,3	77°	80°
AD 6	AC 25	2,4	1,73	1,97	2,18	2,37	2,98	3,57	4,07	82°	85°
AD 7	AC 25	2,8	2,07	2,36	2,61	2,83	3,57	4,28	4,87	88°	91°
AD 1	AC 45	0,8	0,48	0,55	0,61	0,66	0,83	1	1,14	32°	39°
AD 2	AC 45	1,02	0,73	0,83	0,92	1	1,26	1,51	1,72	46°	53°
AD 3	AC 45	1,2	0,92	1,05	1,16	1,26	1,58	1,9	2,16	48°	52°
AD 4	AC 45	1,56	1,35	1,54	1,7	1,85	2,32	2,79	3,17	59°	60°
AD 5	AC 45	2	1,92	2,19	2,42	2,63	3,31	3,97	4,52	68°	70°
AD 6	AC 45	2,4	2,46	2,79	3,09	3,35	4,22	5,07	5,77	72°	75°
AD 7	AC 45	2,8	3,01	3,43	3,79	4,11	5,18	6,21	7,07	79°	80°
AD 1	AC 46	0,8	0,55	0,62	0,69	0,75	0,94	1,13	1,29	23°	27°
AD 2	AC 46	1,02	0,92	1,05	1,16	1,26	1,58	1,9	2,16	26°	30°
AD 3	AC 46	1,2	1,2	1,37	1,51	1,64	2,06	2,48	2,82	30°	30°
AD 4	AC 46	1,56	2,03	2,32	2,56	2,78	3,5	4,2	4,78	35°	35°
AD 5	AC 46	2	3,11	3,54	3,91	4,24	5,34	6,41	7,3	40°	42°
AD 6	AC 46	2,4	4,12	4,69	5,18	5,62	7,08	8,49	9,67	45°	46°
AD 7	AC 46	3,230	5,49	6,40	7,10	7,84	10,16	12,43	14,33	55°	53°
AD 1	AC 31	0,8	0,53	0,61	0,67	0,73	0,92	1,1	1,25	39°	39°
AD 2	AC 31	1,02	0,82	0,93	1,03	1,12	1,41	1,69	1,92	87°	95°
AD 3	AC 31	1,2	0,87	0,99	1,1	1,19	1,5	1,8	2,05	65°	62°
AD 1	AC 35	0,8	0,53	0,61	0,67	0,73	0,92	1,1	1,25	34°	40°
AD 2	AC 35	1,02	0,92	1,05	1,16	1,26	1,58	1,9	2,16	39°	39°
AD 3	AC 35	1,2	1,28	1,46	1,61	1,75	2,2	2,64	3	44°	42°
AD 4	AC 35	1,56	2,08	2,37	2,62	2,84	3,58	4,3	4,89	77°	72°
AD 5	AC 35	2	2,62	2,98	3,3	3,58	4,51	5,41	6,16	37°	34°
AD 2	AC 56	1,02	0,88	1	1,11	1,2	1,52	1,82	20,7	21°	20°
AD 3	AC 56	1,2	1,19	1,36	1,5	1,63	2,05	2,46	2,8	28°	32°
AD 4	AC 56	1,56	2,05	2,33	2,58	2,8	3,52	4,23	4,81	35°	38°
AD 5	AC 56	2	3,46	3,94	4,36	4,73	5,96	7,15	8,14	43°	40°
AD 6	AC 56	2,1	5,11	5,82	6,43	6,98	8,78	10,54	12	56°	49°
AD 7	AC 56	2,3	6,87	7,81	8,64	9,38	11,8	14,17	16,12	68°	64°

HOLLOW CONE

FULL CONE

# TERMS & CONDITIONS OF SALE

The following terms of trade, as amended from time to time (Terms of Trade) shall be incorporated into and form a part of every Contract (together, the Agreement) between the person named as the Buyer (Buyer) in the Contract and Croplands Equipment Ltd (Company) for the supply by the Company of Goods and/or Services, (together, Products) unless specifically excluded in writing and signed by both Parties. Any instructions received by the Company from the Buyer for the supply of Products shall constitute acceptance of these Terms of Trade.

## 1. Interpretation

1.1. Defined Terms: In the Agreement, unless the context otherwise requires, the following words have the following meanings:

- (a) Contract means each contract (which includes either a faxed, mailed or emailed copy of the customer purchase order) between the Parties which specifies the Products the Buyer will purchase from the Company.
  - (b) Goods means the goods supplied from time to time by the Company to the Buyer as specified in a Contract.
  - (c) GST means goods and services tax payable at the applicable rate in accordance with the Goods and Services Tax Act 1985.
  - (d) Notice means:
    - i. for a change/s to the Company's price list, one month prior written notice to the Buyer; and
    - ii. for a change to an individual Product, two days prior written notice.
  - (e) Parties mean the Company and the Buyer.
  - (f) PPSA means the Personal Property Securities Act 1999 including the Regulations unless the context otherwise requires.
  - (g) Services means the services to be provided by the Company to the Buyer as specified in the Contract.
- 1.2. PPSA Terminology: Words in these Terms of Trade which are defined in the PPSA, have the same meanings as in the PPSA and the Regulations unless the context otherwise requires.

## 2. Payment

2.1. Date: Payment for the Products is to be made in full, by the Buyer, and without deduction, counterclaim or set-off as follows:

- (a) for Goods, by the 20th of the month following delivery; and
  - (b) for Services by the 20th of the month following the invoice date for the Services; in each case time being strictly of the essence, unless otherwise agreed in writing.
- 2.2. Payments: All payments by the Buyer to the Company for the supply of Products must be paid to the Company in cleared funds. Part payment will not compromise the Company's rights to recover the balance owing nor will it constitute a discharge or partial discharge of the Company's security interest in any Goods.
- 2.3. Returns: The Buyer may not return Goods supplied by the Company unless the Company agrees in writing.
- 2.4. Failure to Pay: If the Buyer fails to make payment by the due date, the Company, without prejudice to its other rights or remedies, shall be entitled to charge the Buyer interest from the due date at a rate of 5% per annum above the current overdraft rate charged by the Company's bankers, compounding monthly on the unpaid balance owing on the first day of each month until payment in full is received by the Company, such interest to accrue after as well as before judgment. Further, any expenses, disbursements and legal costs incurred by the Company in enforcing any rights in the Agreement shall be paid by the Buyer, including any reasonable solicitor's fees or debt collection agency fees.
- 2.5. Credit Arrangement can be Terminated: The Company has the absolute right to terminate any credit arrangements with the Buyer and to substitute cash-on-delivery payment terms at any time, without prior notice or reason being given.
- 2.6. Immediate Payment: Notwithstanding anything contained in the Agreement, all payments (whether due or not), shall become immediately due to the Company if:
  - (a) the Buyer fails to comply with the terms of the Agreement; or
  - (b) the Buyer commits an act of bankruptcy; or
  - (c) the Buyer enters into an arrangement or composition with its creditors;
  - (d) if the Buyer is a company:
    - i. the Buyer does anything that would make it liable to be put into liquidation;
    - ii. a resolution is passed, or an application is made for the liquidation of the Buyer;
    - iii. a receiver or statutory or official manager, or a person in a similar position, is appointed over all or part of the Buyer's assets and undertaking; or
    - iv. any act of insolvency is committed.

## 3. Price

- 3.1. Prices: Prices are subject to alteration:
- (a) if Goods, on Notice from the Company and all Goods shall be charged at prices ruling at time of despatch.
  - (b) if Services, upon two days prior written notice from the Company and all Services shall be charged at the rates specified in the Contract.
- 3.2. Change in Price: Any change in price arising from imposition of or change in Government duties, levies, fees and taxes of any type whatsoever shall be for the Buyer's account, shall be invoiced accordingly and shall be deemed to be part of the purchase price.
- 3.3. GST: All prices listed are exclusive of GST.

## 4. Competing Security Interests

- 4.1. Competing Security Interests: If any other person has a security interest in collateral which includes the Goods supplied by the Company, the Company may, as a condition of supplying the Goods, require the Buyer to procure the signing of a deed (even if the Company has previously supplied Goods to the Buyer without requiring this) which:
- (a) confers rights on the Company to recover all amounts which the Buyer is or becomes liable to pay, or to indemnify, or reimburse the Company in accordance with the Agreement in priority to all other secured parties; and
  - (b) acknowledges the Company's priority rights:
    - i. in relation to all Goods in which the Company has a security interest; and
    - ii. over payments received by the Company (including electronic funds transfer pursuant to a direct debit authority executed by the Buyer in the Company's favour); and
  - (c) includes provisions acceptable to the Company as to the exercise of enforcement rights in relation to Goods; and
  - (d) is otherwise acceptable to the Company in its discretion.

## 5. Default and Enforcement Rights

5.1. Default Event: If the Buyer fails to pay any amount owing on the due date or commits any other default under the Agreement and any such default continues for seven days, or any of the events set out in clause 2.6 occur or the Company in its absolute discretion forms the opinion that the Buyer cannot or will not be able to pay its debts to the Company as they fall due (each of such to be a Default Event), then:

- (a) the Company shall be entitled to refuse to provide any further Goods and/or Services to the Buyer;
  - (b) the Company may exercise any or all of its rights pursuant to any security interest it has;
  - (c) the Company may require the Buyer, at its expense, to promptly return to the Company all Goods supplied by the Company which have not been fully paid for; and
  - (d) the Company may by written notice to the Buyer cancel the Agreement; and any rights exercised by the Company pursuant to this clause shall not in any way limit the Buyer's liabilities under the Agreement including without limitation the Buyer's obligations and liabilities pursuant to the indemnities contained in the Agreement and/or to pay damages for any breach nor preclude the Company from exercising any other right or remedy (in equity or in law) that may be available to it.
- 5.2. Exercise of Rights: The following provisions apply to the exercise of the Company's rights under the Agreement:
- (a) the Company may exercise a right under the Agreement alone, or at the same time as exercising any other rights, powers or remedies available to the Company.
  - (b) the Company does not need to notify the Buyer or any other person first before the Company exercises any rights (unless provided otherwise in the Agreement or by law).
  - (c) any delay by the Company in exercising any of its rights will not affect the subsequent exercise of any other rights.
  - (d) the Company will not be liable or accountable to the Buyer or any other person for any loss caused by:
    - i. the exercise or attempted exercise of any of the Company's rights; or
    - ii. a failure by the Company to exercise, or any delay in exercising, any of the Company's rights; or
    - iii. the manner in which the Company exercises any of its rights; whether or not resulting from a mistake or error of judgment.

## 6. Delivery and Risk in Goods

6.1. Delivery:

- (a) Delivery to the Buyer shall be deemed to take place when the Goods leave the company's premises.
  - (b) Goods are deemed to leave the Company's premises when the Buyer or the Buyer's agent signs a receipt acknowledging the delivery of a quantity of Goods. If the Buyer pays for the freight of the Goods, the freight carrier is deemed to be the Buyer's agent.
- 6.2. Risk: The risk in the Goods shall pass to the Buyer when the Goods leave the Company's premises.
- 6.3. Freight: The Company will pay freight charges on consignments where individual orders exceed a minimum value of \$2,000.00 (excluding GST). Where an individual order fails to reach this value freight will be charged at the Company's standard commercial rates.
- 6.4. Order Size: All orders are to be of such size and composition as are normally sold by the Company. Minimum order value is \$50.00 + GST.
- 6.5. Acceptance of Order: All orders by the Buyer for Goods are deemed to be an offer to purchase the items specified in the order. The Company reserves the right to accept, in whole or in part, any order submitted by the Buyer. The supply of any Goods by the Company constitutes acceptance of the order only for the Goods for which an invoice is issued.
- An order may be cancelled by the Buyer only before delivery and with the Company's prior written consent.
- 6.6. Possession: The Buyer does not have the right to possess the Goods until delivery.
- 6.7. Delivery date or time: Any time or date for delivery given by the Company is only an estimate and the Company shall not be liable for the direct or indirect consequences of a delay however arising. The Buyer acknowledges that the Company will not accept any liability for any claims or losses (direct or indirect) arising from its failure to meet the delivery date (if any).
- 6.8. Instalment Delivery: The Company reserves the right to make deliveries in instalments, in which event each instalment will be a separate contract on these terms.
- 6.9. Surcharge: Where the Goods are delivered on Company-owned pallets, a surcharge may apply. A credit will be given when the pallet is returned in a satisfactory condition to the Company's issuing premises.
- 6.10. Delivered Quantity: All deliveries shall be deemed to have been delivered without shortage, in quantity unless the Buyer notifies the Company of such shortage, if in writing, within 14 days and if verbally, within seven days after delivery of the Goods to the Buyer, provided that in each case a receipt signed by the Buyer and given to the carrier acknowledging delivery of a quantity of Goods shall be conclusive evidence of the quantity delivered to the Buyer by the Company.
- 6.11. Receiving Goods: The Buyer must ensure that it is ready and capable to accept delivery on the delivery date and that adequate facilities exist to accept and properly store the Goods. If the Goods are unable to be promptly discharged or delivered, the Buyer shall compensate the Company for any costs incurred by the Company as a result of any delay encountered.

6.12. Insurance by the Buyer: The Buyer shall insure the Goods, from time to time, in the joint names of the Company and the Buyer and shall have the following statement noted on such insurance cover: "Loss if any shall be payable to the Company whose receipt shall be a sufficient discharge", unless otherwise agreed by the Company in writing. The Buyer shall, if required by the Company, provide the Company with evidence that the Goods are fully insured in respect of any loss of or damage to the Goods.

## 7. Personal Property Securities Act 1999

- 7.1. Security Interest: The Buyer grants the Company a security interest in the Goods and their proceeds (in whatever form those proceeds take) to secure the obligations and liabilities of the Buyer under the Agreement. If any of the Goods and/or their proceeds are not readily identifiable and/or traceable, the Buyer grants the Company a security interest in all of the Customer's property of which the Goods form part.
- 7.2. Ordinary Course of Business: Unless otherwise notified in writing to the Buyer by the Company, the Buyer is authorised to sell the Goods in the ordinary course of business, provided that the proceeds of any Goods sold shall be kept in a separate account and shall not be mixed with any other moneys, including funds of the Buyer.
- 7.3. Fiduciary Bailee: Property and ownership in the Goods remains with the Company and will not pass to the Buyer until the Company receives payment in full of the invoice relating to the Goods. Until property passes to the Buyer, the Buyer shall hold the Goods as fiduciary bailee for the Company. The Buyer shall store the Goods separately and, in a manner, to enable them to be identified and cross referenced to particular invoices.
- 7.4. Assistance: As and when required by the Company, the Buyer will, at its own expense, provide all reasonable assistance and all relevant information to enable the Company to register its security interest, maintain such registration, and enforce its rights pursuant to its security interest.
- 7.5. Change of Name: The Buyer will not change its name without giving the Company 7 days prior written notice.
- 7.6. Access to Premises: The Buyer irrevocably authorises the Company, its agents and employees, to search for and remove the Goods (and if any Goods are wholly or partially attached to or incorporated in any other goods, sever or disconnect the Goods from those other goods) and for that purpose to enter into any premises where they may be found using such force as is necessary. The Buyer will indemnify the Company against any costs and liabilities that may arise directly or indirectly as a result of the entry by the Company, its agents or employees into any premises or the seizure by the Company of any Goods (or the severing or disconnection of such Goods from other goods) under this clause.

- 7.7. Contracting Out: The Buyer waives its right to:
- receive a statement of account pursuant to s116 of the PPSA;
  - receive notice of the Company's proposal to retain collateral under s120(2) of the PPSA and to object to that proposal under s121 of the PPSA;
  - receive notice from the Company under s114(1)(a) of the PPSA that the Company intends to sell certain goods in which it has a security interest;
  - not have goods damaged if the Company removes an accession under s125 of the PPSA;
  - to receive notice of the removal of an accession under s129 of the PPSA;
  - to apply to the Court for an order concerning the removal of an accession under s131 of the PPSA; and
  - to reinstate a security agreement under s133 and/or 134 of the PPSA.
  - Receive a verification statement in respect of any financing statement or financing change statement pursuant to s148 of the PPSA
- 7.8. Release of Security Interest: The Company will not be obliged to discharge its security interest or register any financing change statement under the PPSA unless:
- all obligations and liabilities of the Buyer under the Agreement have been performed in full, including payment of all moneys owing under the Agreement; and
  - any costs incurred in doing so have first been paid by the Buyer; and
  - the Company is satisfied that any amounts paid by the Buyer to the Company or received prior to that release are not at risk of subsequently being set aside by the operation of any law, or of any claim to priority over the Company's security interest in such amount; and
  - if any payment to the Company is avoided or otherwise becomes payable to the Buyer or to any other person, to the extent possible the relevant release will have no effect, and the signing by the Company of any release or the registration of a financing change statement discharging the Company's security interest in relation to any Goods will not prevent the Company from registering another financing statement or otherwise recovering any amount which is due to the Company in such manner as it may be entitled to do.

## 8. Safety

- 8.1. The Buyer shall take all practicable steps to prevent accident or injury to persons at any place of work under the Buyer's control.
- 8.2. In particular the Buyer shall:
- take all reasonable and prudent measures to keep any Goods secure and in a safe place (whether in use or not);
  - handle the Goods or permit them to be handled only by properly skilled and experienced persons who are not under the influence of alcohol or drugs and in accordance with the requirements of any label or instruction on the Goods, and applicable laws on safe handling;
  - ensure that the Goods are sold solely for the purposes intended by the manufacturer having regard to their capabilities and limitations;
  - ensure that, at all times, the Buyer, its employees, subcontractors or agents will comply with all applicable laws including, but not limited to, the Health and Safety at work Act 2015 and the Hazardous Substances and New Organisms Act 1996.

## 9. Performance of Services

- 9.1. Standard: The Services will be provided with due skill and care, in a competent and professional manner and in compliance with all relevant laws in New Zealand.
- 9.2. Access to premises: In providing the Services, the Company may require assistance from the Buyer and access to the Buyer's premises. The Buyer will:
- promptly provide the Company any required material, data, or other information;
  - perform any tasks the Company reasonably requests the Buyer to carry out;
  - allow the Company access to the Buyer's premises; and
  - comply with any reasonable instructions from the Company.

If the Buyer fails to provide or carry out any of the above requirements, the Company will not be liable for any failure or delay in providing the Services and the Company may charge, and the Buyer will pay, any costs relating from such failure.

## 10. Authorisations

- 10.1. Authorisation: It is the Buyer's risk and responsibility to obtain every necessary or prudent authorisation (including licences, permits and consents) to buy, possess, use, export, import or resell any Products and to ensure that the Products are purchased by an authorised person.
- 10.2. Buyer Indemnities: The Buyer shall indemnify the Company from any liability that may arise for any breach by, or on behalf of the Buyer, to obtain every necessary authorisation.
- 10.3. Notify: The Buyer shall notify to the Company in writing of the names of its personnel authorised to place orders on the Buyer's behalf and must advise in writing if any such authority is later withdrawn. The Buyer shall be solely responsible for supervising the use of the account and absent specific written advice of authorised personnel, the Company has no obligation to enquire into the authority of any person placing orders on any account in the name of the Buyer. Any orders made by an authorised person prior to the Company receiving written notice from the Buyer withdrawing that person's authority, shall be paid for by the Buyer.

## 11. Purchases of Products for Business Purposes - Limitation of Liability

- 11.1. If the Buyer acquires the Products from the Company for the purposes of a business in any way, or the Buyer holds itself out as acquiring the Products for the purposes of a business in any way, the Buyer agrees to the following terms:
- the conditions, warranties and guarantees, representations and descriptions in the Consumer Guarantees Act 1993 ("CGA") or implied by law, trade or custom will not apply and are excluded from the Agreement; and
  - no claims for alleged defective Goods will be recognised unless made in writing and received by the Company within 14 days after delivery; and
  - the Buyer may not claim any of the remedies in the CGA from the Company or from any contract or to the Company or manufacturer of the Goods or from any manufacturer of any components or parts in the Goods; and
  - the only warranties, representations, conditions and agreements in respect of the Products are those which are contained in the Agreement or expressly authorised or confirmed in writing by the Company; and
  - the Company's liability in respect of all claims for loss, damage or injury arising from the breach of its obligations under the Agreement or in connection with the Products, from failure to perform the Company's warranty obligations or from negligence on the part of the Company, its employees, agents or contractors, shall be limited (at the Company's option) to repair or replacement of the Goods or Services or re-performance of the Services or credit, and shall not in aggregate exceed in value the price invoiced to the Buyer for those Goods;
  - the Buyer shall use its best endeavours to minimise loss and damage arising from any alleged defect; and
  - neither the Company, its employees, agents or contractors will be liable to the Buyer, its employees,

agents or contractors for any consequential loss or damage howsoever caused. This exclusion of liability includes, but is not limited to, consequential loss or damage arising from suspension of performance of the Agreement pursuant to clause 5, delays in manufacturing, negligence, delivery and the costs incurred in returning any Goods to the Company or any manufacturer. This exclusion applies whether the consequential loss is incurred by the Buyer or a third party.

## 12. Buyer Warranties and Indemnities

- 12.1. Warranties: The Buyer warrants that if it purchased any Goods from the Company for resupply as, or incorporates any Goods into, goods ordinarily acquired for personal household or domestic use (Consumer Goods), it will supply the Consumer Goods on the following conditions:
- If it supplies the Consumer Goods for resupply by its customer, it will ensure that its terms and conditions of supply require its customer and each person in the distribution chain to include in its supply agreements or conditions of sale obligations requiring its customer to exclude liability for any claims under the CGA, but only where the end user/consumer acquires the Consumer Goods for business purposes;
  - If it supplies the Consumer Goods directly to an end user/consumer, it will do so using terms and conditions of supply which exclude liability for any claims under the CGA, but only where the end user/consumer acquires the Consumer Goods for business purposes.
- 12.2. Indemnities: The Buyer agrees to fully indemnify the Company for, and on demand pay the Company, all costs (including costs calculated on a lawyer and own client basis), losses, damages, expenses and claims incurred or which the Company is or becomes liable for as a consequence of or in connection with:
- the Buyer's failing to comply with or breach any of its obligations under the Agreement; and
  - any claim or legal proceedings the Buyer or any other person brings against the Company or any person acting as the Company's agent in the exercise of the Company's rights under the Agreement; and
  - anything done or not done in good faith in the exercise or attempted exercise by the Company of its rights under the Agreement; and
  - any amount that the Buyer fails to pay on the due date for payment; and
  - the exercise, enforcement, preservation or attempted exercise, enforcement or preservation of any of the Company's rights under the Agreement, or in suing for and recovering any moneys that the Buyer owes or is liable to pay to the Company or indemnify the Company for; and
  - taking any actions or doing any things (including paying or incurring liabilities to pay any moneys) to protect or preserve the Company's rights under the Agreement, including the security interest granted to the Company pursuant to the Agreement;
  - any failure by the Buyer, its customers or any person in the distribution chain to properly contract out of liability to business end users/consumers under the CGA in all cases on a full indemnity basis.

## 13. Privacy Act 1993

- 13.1. The Company will hold any personal information received from the Buyer for marketing, product development, account administration and credit purposes. The Company may disclose personal information about the Buyer to any person the Buyer names as a credit referee or to any person for the purpose of securing the Company's security interest granted pursuant to the Agreement. Failure by the Buyer to supply personal information for these purposes entitles the Company to withdraw or refuse credit to the Buyer and to repossess any Goods in the possession or control of the Buyer.

## 14. Intellectual Property

- 14.1. The sale of any Products by the Company to the Buyer does not give the Buyer the right to use, sell, disseminate or duplicate any of the Company's trademarks, copyrights, designs or other intellectual property rights (unless agreed otherwise by the Company in writing).

## 15. General

- 15.1. Severance: If any clause or part of a clause of these Terms of Trade and each Contract is held to be invalid or unenforceable for whatever reason, to the extent not inconsistent with that invalid clause, the remaining provisions shall remain in full force and effect.
- 15.2. Entire Agreement: The Agreement constitutes the entire agreement of the Parties in respect of the Products and replaces any previous agreements and understandings. The terms and conditions of the Agreement will prevail over any existing or subsequent terms and conditions set out in any document (including any Buyer purchase order), unless agreed otherwise in writing by the Company.
- 15.3. Waiver: No waiver of any breach of, or failure to enforce any provision of, the Agreement at any time by any party will in any way limit the right of such party thereafter to enforce and compel strict compliance with the provisions of the Agreement.
- 15.4. Force Majeure: The Company shall not be liable for any delay in performing its obligations under the Agreement to the Buyer in whole or in part by force majeure which shall include (but not be limited to) an act of God, weather conditions, natural disasters, strikes, lockouts, fire, war, suit, civil commotion, inability to obtain Goods, Services or supplies including the imposition of any export or import bans or any other cause beyond the reasonable control of the Company.
- 15.5. Variation:
- This Agreement (these Terms of Trade and the Contract for the Products) shall not be modified unless agreed in writing by the Parties.
  - The Company may amend the Terms of Trade, from time to time, by notice to the Buyer. Any instructions received by the Company from the Buyer for the supply of Products shall thereafter constitute acceptance of these Terms of Trade.
- 15.6. Assignment: The Buyer is not entitled to assign, transfer or otherwise dispose of any of its rights or obligations under the Agreement to anyone else without the Company's prior written consent. The Company shall be entitled to assign, transfer or dispose of any or all of its rights and obligations under the Agreement to any other person without the prior consent of the Buyer.
- 15.7. Notice: Unless agreed otherwise in writing, all notices under the Agreement shall be served in writing to the registered offices of the Parties.
- 15.8. Errors and Omissions: Errors and omissions of a clerical nature in quotations, invoices or statements shall be subject to correction.
- 15.9. Legislation: a reference to any legislation or to any provision of any legislation (including regulations and orders) includes that legislation or provision as from time to time amended, re-enacted or substituted and any statutory instruments, regulations and orders issued under any such legislation or provision.
- 15.10. Governing Law: The Agreement shall be governed by, and construed in accordance with, the law of New Zealand.

Updated March 2020

# EXTENDED CROPLANDS RANGE





# NATIONWIDE DEALERS

## NATIONAL DISTRIBUTORS



PGG Wrightson Stores – Nationwide, contact your local store

Fruited Supplies Stores – Nationwide, contact your local store

## SOUTH ISLAND

Alexandra	Fruited Supplies	03 440 2350
Ashburton	Norwood	03 307 8330
Balclutha	Advance Agriculture	03 418 0988
Christchurch	Noble Adams Machinery	03 349 7862
Christchurch	Norwood	03 349 5089
Cromwell	Fruited Supplies	03 445 3730
Gore	Advance Agriculture	03 203 9100
Invercargill	JJ Limited	03 211 0013
Malborough	Agrivit Ltd	03 572 8787
Mosgiel	Agrispray & Equipment	03 489 6268
Mosgiel	JJ Limited	03 489 8199
Mosgiel	Norwood	03 742 7123
Oamaru	Norwood	03 437 2007
Richmond	Brian Miller Truck and Tractor	03 544 5723
Richmond	Fruited Supplies	03 544 6115
Riwaka	N.S. Rogers	03 528 9212
Timaru	Norwood	03 688 1133
West Coast	Norwood	03 788 9050

## NORTH ISLAND

Auckland	Landscape and Grower Supplies	09 573 3007
Dargaville	Norwood	09 439 3266
Gisborne	Norwood	06 867 9865
Hamilton	Waikato Tractors	07 843 7237
Hastings	Croplands Spray Shop	06 879 5720
Hastings	Norwood	06 873 7300
Hawera	Norwood	06 278 6159
Kumeu	M.E. & A.L. Mannington	027 471 5920
Masterton	Norwood	06 377 3184
Morrinsville	Norwood	07 889 8505
New Plymouth	Norwood	06 757 5582
North Shore	Norwood	027 443 0780
Opotiki	Opotiki Engineering & Hardware	07 315 6285
Palmerston North	Norwood	06 356 4920
Pukekohe	Norwood	09 237 0104
Stratford	Norwood	06 765 6139
Taupo	Norwood	07 376 5336
Te Aroha	AgPlus	07 884 9901
Te Awamutu	Norwood	07 872 0232
Te Puke	Splash Direct	07 573 6138
Wellington	Spraying Equipment Specialist	04 478 2258
Whangarei	Norwood	09 438 4719



## NATIONAL SALES & SUPPORT

### CROPLANDS NEW ZEALAND

Freecall 0800 106 898  
Freefax 0800 117 711  
sales@croplands.co.nz  
facebook.com/Croplands  
twitter.com/Croplands

### CROPLANDS HEAD OFFICE

Tel +61 8 8359 9300  
Technical Service +61 8 8359 9333

### REGIONAL MANAGER

Rob Marshall 027 248 6822

### TERRITORY MANAGERS

#### UPPER NORTH ISLAND AND TARANAKI

Ashley Robinson 027 726 0330

#### LOWER NORTH ISLAND AND GISBORNE

Vic Barlow 027 475 2322

#### SOUTH ISLAND

Rob Marshall 027 248 6822