



## COMPACT SPRAYERS & COMPONENTS

BUYERS GUIDE • NOVEMBER 2022 CROPLANDS.COM.AU





## Celebrating 50 years at the forefront of spray technology.

For the last 50 years, Croplands has been proudly helping Australian 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.

SUPPLYING THE INDUSTRY'S BEST



11192 State

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	82	FREIGHT

## 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 triplediaphragm 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

CROPLANDS



300L AGRIPAK LINKAGE WITH THE OPTIONAL 4M BOOM

OPTIONS SEE PAGES 12-13

## **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

WIDTH: 1200MM LENG	TH: 900MM HEIGHT: 1420MM WEIGHT: 160KG	\$ (EX. GST)         \$ (INC. GST)           4,048.00         4,452.80		
LA300	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)	4,048.00	4,452.80	А
LA300/MBX04	- 4m MBX series boom fitted	5,490.00	6,039.00	А
LA300/MBX06	- 6m MBX series boom fitted	5,734.00	6,307.40	А
LA300/MSCL-2	- double-sided covered boom fitted	5,960.00	6,556.00	А
LA300/XTKIT	<ul> <li>- 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</li> </ul>	4,908.00	5,398.80	A

300L AGRIPAK LINKAGE

WITH BOOM

13

12

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

CR

## LINKAGE ACTRIPA 6000

### SCAN FOR VIDEO



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

**OPTIONS** SEE PAGES 12-13

## **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

10

3

600 AGRIPAK LINKAGE WITH BOOM

## AGRIPAK 600

WIDTH: 1400MM LENG	WIDTH: 1400MM LENGTH: 1100MM HEIGHT: 1600MM WEIGHT: 200KG \$ (EX. GST) \$ (INC. GST)					
LA600	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)	4,557.00	5,012.70	А		
LA600/MBX06	- 6m MBX series boom fitted	6,302.00	6,932.20	А		
LA600/MAX08	- 8m MAX series boom fitted – no self-leveller	7,578.00	8,335.80	А		
LA600/MAX08L	- 8m MAX series boom fitted – and self-leveller	8,384.00	9,222.40	А		
LA600/MAX10	- 10m MAX series boom fitted – no self-leveller	8,364.00	9,200.40	А		

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

## LINKAGE

GRPAK8



SCAN FOR



800L AGRIPAK LINKAGE WITH THE OPTIONAL 8M BOOM

OPTIONS SEE PAGES 12-13

## **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
- 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



## **AGRIPAK 800**

TH: 1000MM HEIGHT: 1700MM WEIGHT: 200KG	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
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)	5,105.00	5,615.50	А
- 8m MAX series boom fitted – no self-leveller	8,156.00	8,971.60	А
- 8m MAX series boom fitted – and self-leveller	8,965.00	9,861.50	А
- 10m MAX series boom fitted – no self-leveller	8,877.00	9,764.70	А
- 10m MAX series boom fitted – and self-leveller	9,679.00	10,646.90	А
	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)         - 8m MAX series boom fitted – no self-leveller         - 8m MAX series boom fitted – and self-leveller         - 10m MAX series boom fitted – no self-leveller	800L AgriPak linkage sprayer with flushing tank, handwash tank, AR80 liquid-fertiliser-ready pump,       5,105.00         UCM 5-way controller (no hose reel or boom – see options)       8,156.00         - 8m MAX series boom fitted – no self-leveller       8,156.00         - 8m MAX series boom fitted – and self-leveller       8,965.00         - 10m MAX series boom fitted – no self-leveller       8,877.00	800L AgriPak linkage sprayer with flushing tank, handwash tank, AR80 liquid-fertiliser-ready pump,       5,105.00       5,615.50         - 8m MAX series boom fitted – no self-leveller       8,156.00       8,971.60         - 8m MAX series boom fitted – and self-leveller       8,965.00       9,861.50         - 10m MAX series boom fitted – no self-leveller       8,877.00       9,764.70

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

## LINKAGE AGRIPAK10000

LAC1000 AGRIPAK LINKAGE WITH 10M MANUAL-FOLD BOOM

SCAN FOR VIDEO



8

6

3

LANDS

## **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 12-13



## **AGRIPAK 1000**

WIDTH: 1420WIWI LENG		\$ (EX. 031)	PROD. GAI.	
LAC1000	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	7,359.00	8,094.90	А
LAC1000/8M	- 8m MAX manual-fold boom – 3 sections	10,456.00	11,501.60	А
LAC1000/8ML	- 8m MAX manual-fold boom with self-leveller fitted – 3 sections	11,245.00	12,369.50	А
LAC1000/10M	- 10m MAX manual-fold boom – 3 sections	11,250.00	12,375.00	А
LAC1000/10ML	- 10m MAX manual-fold boom with self-leveller fitted - 3 sections	11,862.00	13,048.20	А
LAC1000/12ML	- 12m MAX manual-fold boom with self-leveller fitted – 3 sections	12,742.00	14,016.20	А
LAC1000/MHL12	- 12m hydraulic-fold boom with self-leveller - 3 sections	21,218.00	23,339.80	А
LAC1000/MHL15	- 15m hydraulic-fold boom with self-leveller - 3 sections	22,592.00	24,851.20	А

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

¢ (EV CST) ¢ (INC CST) DROD CAT

## AGRIPAK PRO 1300 & 1600

CROPLANDS

80



## **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 12-13

	// LENGTH: 950MM HEIGHT: 2050MM WEIGHT: 400KG // LENGTH: 1050MM HEIGHT: 2150MM WEIGHT: 450KG	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT
LM13/160	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	23,415.00	25,756.50	D
LM16/160	- 1600L linkage base unit	24,570.00	27,027.00	D
LM13/MHL12	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	36,225.00	39,847.50	D
LM13/MHL15	- 1300L linkage base unit and 15m hydraulic-fold MHL boom fitted	37,959.00	41,754.90	D
LM16/MHL12	- 1600L linkage base unit and 12m hydraulic-fold MHL boom fitted	37,373.00	41,110.30	D
LM16/MHL15	- 1600L linkage base unit and 15m hydraulic-fold MHL boom fitted	39,085.00	42,993.50	D

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

## **OPTIONS**



HOS	E REELS			\$ (EX. GST)	\$ (INC. GST)
Dama 24	All models	L-R2412	Heavy-duty steel hose reel with 30m hose and Turbo400 gun	834.00	917.40
Page 34	All models	L-R3000	Manual spring-loaded retractable reel, 15m hose and spray lance	421.00	463.10



Page 16	300, 600, 800, 1000	MSCL-2	Adjustable width covered boom	2,028.00	2,230.80
	300, 600	MBX04	4m MBX series manual cross-fold boom	1,425.00	1,567.50
	300, 600	MBX06	6m MBX series manual cross-fold boom	1,748.00	1,922.80
	300, 600, 800, 1000	MAX08	8m MAX series manual cross-fold boom	3,198.00	3,517.80
Page 14	300, 600, 800, 1000	MAX08L	8m MAX series manual cross-fold boom with self-levelling device	4,122.00	4,534.20
	600, 800, 1000	MAX10	10m MAX series manual cross-fold boom	3,995.00	4,394.50
	600, 800, 1000	MAX10L	10m MAX series manual cross-fold boom with self-levelling device	5,024.00	5,526.40
	600, 800, 1000, 1300, 1600	MAX12L	12m MAX series manual cross-fold boom with self-levelling device	5,706.00	6,276.60
	300, 600, 800, 1000	GEX06H	6m GEX series hydraulic cross-fold boom	7,397.00	8,136.70
	600, 800, 1000	GEX08H	8m GEX series hydraulic cross-fold boom	8,357.00	9,192.70
Page 15	600, 800, 1000, 1300, 1600	GEX10H	10m GEX series hydraulic cross-fold boom	9,078.00	9,985.80
	1000, 1300, 1600	MHL12	12m Hydralink series hydraulic cross-fold boom with self-levelling device	13,549.00	14,903.90
	1000, 1300, 1600	MHL15	15m Hydralink series hydraulic cross-fold boom with self-levelling device	15,275.00	16,802.50



**BOOM EXTRAS** 

1000, 1300, 1600

MHL12-2-KIT

BOOMS

A4065845CW





MHL boom (note - ensure your tractor has sufficient hydraulic remotes) Page 15 Second set of hydraulic hoses to allow individual left and right fold of GEX-2-KIT 695.00 764.50 All models GEX boom (note - ensure your tractor has sufficient hydraulic remotes) Adjustable boom-end nozzle with manual tap for fence-line spraying. A4065845CW All models 66.00 72.60 (Not for use with MSCL-2) N/A Electric fence-line kit to clamp around boom tube - right-hand side. **BTEF-SELETRONRH** 346.00 All models 380.60 Must have electric or auto-rate control fitted for this option Electric fence-line kit to clamp around boom tube - left-hand side. **BTEF-SELETRONLH** All models 346.00 380.60 Must have electric or auto-rate control fitted for this option N/A A466852043 Switchbox for Seletron fence-line kit 272.00 All models 299.20 Kit to mount Croplands XT boomless nozzle kit to your sprayer. Kit includes 2 x #10 XT nozzles on adjustable-swivel nozzle bodies, **ХТВООМКІТ** Page 17 300, 600, 800, 1000 554.00 609.40 steel bracket and 2 x clamps for mounting. Hose and fittings to your pump are not supplied 600, 800, 1000, Brass 5880-¾-2T0C20 BoomJet for high-volume applications N/A 5880-KIT 1,215.50 1 105 00 1300, 1600 (other sizes available, talk to Croplands)

Second set of hydraulic hoses to allow individual left and right fold of

695.00

764.50



\$ (EX. GST) \$ (INC. GST)

## **HYDRAULIC BOOM LIFT DEVICES**

N/A	600, 800	LP060-LIFT	1000mm hydraulic boom-lift with hydraulic hose kit to tractor (requires 1 set hyd tractor remotes)	3,671.00	4,038.10
	1000, 1300, 1600	GBBG033059	1500mm hydraulic boom-lift with hydraulic hose kit to tractor, this lift must be selected when fitting an MHL Boom to any Agripak	5,156.00	5,671.60



## **BOOM SUSPENSION OPTION**

	1000, 1300, 1600	GB383899000V	Airbag parallelogram suspension device to protect booms – ideal if a boom-lift device is not fitted or a nitrogen accumulator is not practical	3,587.00	3,945.70	
N/A	1000, 1300, 1600	BP-704-7	Hydraulic accumulator suspension kit for strictly MHL booms. If accumulator is selected, the 1500mm lift kit above must also be selected	1,879.00	2,066.90	



## CHEMICAL MIXING, INDUCTION HOPPER AND QUICK FILL

300, 600, 800, 1000	A5033301	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	2,344.00	2,578.40	
600, 800, 1000	L-H9351A	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	2,322.00	2,554.20	
All models	HT-QF2	11/2" quick fill with camlock fitted. Mounted in the top of the tank	177.00	194.70	
600, 800, 1000	HT-PROBE	Optional suction probe fitted	605.00	665.50	
	600, 800, 1000 All models	600, 800, 1000         L-H9351A           All models         HT-QF2	300, 600, 800, 1000       A5033301       side of the linkage sprayer. Fully enclosed for safe mixing, with container rinse function         600, 800, 1000       L-H9351A       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         All models       HT-QF2       1½" quick fill with camlock fitted. Mounted in the top of the tank	300, 600, 800, 1000       A5033301       side of the linkage sprayer. Fully enclosed for safe mixing, with container rinse function       2,344.00         600, 800, 1000       L-H9351A       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       2,322.00         All models       HT-QF2       1½" quick fill with camlock fitted. Mounted in the top of the tank       177.00	

HT\_PROBE



## PUMP AND PUMP DRIVE UPGRADE

Page 43 600, 800, 1000	AR140LFP-C	AR140LFP liquid-fertiliser-ready pump in lieu of standard 80L pump. (133 L/min rated at 0-pressure, 0–15 bar)	698.00	767.80
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## **ELECTRIC AND AUTO-SPRAY RATE CONTROL OPTIONS**

		300, 600, 800, 1000	I-E2012	ARAG single-switch electric control kit fitted for boom shut-off using in-cab switchbox (boom-section control is manually done using taps)	960.00	1,056.00
		300, 600, 800, 1000	I-E2032A	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	2,822.00	3,104.20
Page	e 53		I-E2032	Geoline option of above electric control kit	2,389.00	2,627.90
		All models	I-E2052A	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	3,746.00	4,120.60
			I-E2052	Geoline option of above electric control kit	2,830.00	3,113.00
Down		All models	BA5000-GEO3	Croplands 3-section fully auto spray-rate control of spraying application. Dual-screen display, 3 boom-section control, auto spray-rate adjustment	4,248.00	4,672.80
Page		All models	BRAVO180-ARAG3	Bravo180 3-section fully auto spray-rate control of spraying application. Dual-screen display, 3 boom-section control, auto spray-rate adjustment	6,460.00	7,106.00
			LT-FMISOBUSARAG	ARAG IBX ISOBUS interface (no console supplied with this option)	6,257.00	6,882.70
			LT-TRIMFIQ	Trimble-ready option, field IQ module included, no console included	6,649.00	7,313.90
			BT-ARAG5	5-section ARAG valves	1,214.00	1,335.40

## **GUIDANCE AND FOAM MARKERS**

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RV117-2295-001

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Page 17	<b>17</b> All models <b>A5200052</b>		Double-sided foam marker with in-cab left/right control	2,371.00	2,608.10
Page 56	All models	RV117-2295-001	Raven CR7 system with a 7" field computer with customisable in-job layouts, ISO universal terminal and task controller capabilities, optional external GPS, compatible with direct injection, multi-product control including variable-rate liquid, dry, and NH3 applications, slingshot – ready for file transfer, remote support, and OTA software updates	9,736.00	10,709.60
	All models	GD430-GLO-P-L	Matrix 430 GPS mapping system complete with patch antenna (antenna upgrade available, see page 56)	3,952.00	4,347.20

## 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
- Folds neatly behind sprayer/vehicle (with the 3 exception of MB02, which is a fixed boom)

## MAX

- 1. Hot-dipped galvanised finish
- 2. Self-returning breakaway on boom arms

5

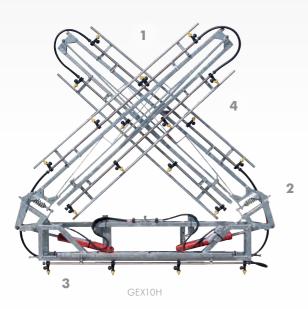
- 3. Can be plumbed in 3 to 5 sections
- 4. Self-levelling device standard on 12m boom, optional on 8 and 10m booms. Self-leveller can be locked if required
- 5. Detach hose with ease

## NUM FOLD BOOM

MANUAL-	FOLD BOOMS	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
MB02	One-piece 2m boom with 4 non-drip nozzles at 500mm spacings	357.00	392.70	А
MBX04	4m galvanised boom; 8 non-drip nozzles at 500mm spacings. 1.2m folded width. Ideal for RTVs, small sprayers and utes	1,370.00	1,507.00	А
MBX06	6m galvanised boom; 12 non-drip nozzles at 500mm spacing. Suitable for linkage sprayers, vehicles and traymount sprayers	1,680.00	1,848.00	А
MAX08	8m MAX series cross-fold boom, without self-leveller	3,075.00	3,382.50	А
MAX08L	- with self-leveller	3,963.00	4,359.30	А
MAX10	10m MAX series cross-fold boom, without self-leveller	3,841.00	4,225.10	А
MAX10L	- with self-leveller	4,830.00	5,313.00	А
MAX12L	12m MAX series boom with self-leveller (not available without self-leveller)	5,486.00	6,034.60	А
MAX12L	12m MAX series boom with self-leveller (not available without self-leveller)	5,486.00	6,034.60	

## 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.



## **KEY FEATURES**

## GEX

- 1. Protection bar fitted to inner and outer sections. Nozzles fitted on outer sections
- 2. Tension breakaway for each boom arm
- 3. Boom folds hydraulically in cross-fold
- 4. 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

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## 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

HIDRAULIC		\$ (EX. GST)	\$ (INC. GST)	PROD. GAI.
GEX06H	6m galvanised hydraulic-folding boom; 12 non-drip nozzle bodies, two rams for folding, hydraulically plumbed to fold together. Weight = 87kg	7,112.00	7,823.20	А
GEX08H	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	8,035.00	8,838.50	А
GEX10H	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	8,728.00	9,600.80	А
GEX-2-KIT	Second set of hydraulic hoses to allow left/right individual fold of GEX boom (text on your order)	670.00	737.00	А
MHL12	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	13,027.00	14,329.70	А
MHL15	- with heavy-duty galvanised 15m hydraulic-folding boom with 30 nozzles	14,687.00	16,155.70	А
MHL12-2-KIT	Second set of hydraulic hoses to allow left/right individual fold of MHL boom (text on your order)	670.00	737.00	А

## **HYDRAULIC-FOLD BOOMS**

## FIREBREAK, UNDER TREE & COVERED



## VERTIBOOM

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



MC6 FIREBREAK BOOM SHOWN FITTED TO TRAY

## 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



MSCL-2 SHOWN WIDE

## SHROUDED BOOM

16

- 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)	\$ (INC. GST)	PROD. CAT.
MVB5-5	Vertiboom	5 nozzles per side Vertiboom. Ideal for small horticultural growers	1,032.00	1,135.20	В
MC6	Firebreak boom	1.5m wide Firebreak boom	777.00	854.70	А
MSCL		Single-sided light-covered boom with breakaway and 2 nozzles under spray shield	699.00	768.90	А
MSCL-2	Shrouded boom	Double-sided light-covered boom with left/right shielded booms with breakaways, adjustable width, and a 600mm wide uncovered centre section with 2 nozzles	1,950.00	2,145.00	А
MSO	Under-tree boom	Treeliner boom with breakaway and 2 nozzles	845.00	929.50	А

## BOOM

## ACCESSORIES

## KEY FEATURES XT BOOM

- 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
- Fitted standard with #10 nozzles, see below chart for more application details



## **BOOM KITS**

## \$ (EX. GST) \$ (INC. GST) PROD. CAT.

хтвоомкіт											on adjustable- o are not supplied	532.00	585.20	В
XTNOZZLEKIT		nless nozzle or hoses su	e kit, include Ipplied	es 2 x #10	) XT nozz	les on ad	justable-s	swivel no:	zzle bodie	es, no bra	cket,	371.00	408.10	В
	Nozzla	Drogouro	Flow	Ар	plication r	rate L/Ha	– at swa	th width s	shown km	ı/hr	Approximate			
	Nozzle size	Pressure (bar)	(L/min) 2 nozzles	4 km/hr	5 km/hr	6 km/hr	7 km/hr	8 km/hr	10 km/hr	12 km/hr	swath width at 90cm height (XT 2-nozzle kit)			
		2	6.4	166	132	110	95	83	66	55	5.8			
	10	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 and search on XT X Tender nozzles.





UOPRK – PRESSURE REGULATOR KIT

A5200052 – FOAM MARKER AND FOAM

### **BOOM ACCESSORIES** \$ (EX. GST) \$ (INC. GST) PROD. CAT. Pressure regulator kit for use with most 12V pumps such as FloJet and SHURflo. Ideal for regulating pressure UOPRK 120.00 132.00 B and flow when a small spray boom is being used Double-sided foam marker kit with in-cab switchbox for use on booms up to approximately 18m 2,279.00 В A5200052 2.506.90 (depending on speed of travel) (kit includes foam droppers)

## CROPA 300006

High-quality and cost-effective air-blast sprayers, perfect for growers with smaller or boutique operations.

A REAL PROPERTY AND A REAL

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## **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

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## **CROPAIR 300**

WIDTH: 1000MM LEN	IGTH: 1300MM HEIGHT: 1100MM WEIGHT: 230KG	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
HL300/615	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	10,457.00	11,502.70	A
CROPAIR 60	0			
WIDTH: 1550MM LEN	IGTH: 1470MM HEIGHT: 1560MM WEIGHT: 390KG	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
HL600/815	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	12,060.00	13,266.00	A
CROPAIR OF	PTIONS	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
I-\$4021	Electric left/right 2-section on/off solenoids, electric pressure adjustment with integrated pressure filter and master switch with dump solenoid	3,212.00	3,533.20	

## SMALL TRAILED 12-VOLT

CROPLANDS



## **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



## **Boom fitted models:**

• AirMix air-induction low-drift nozzles fitted standard

SCAN FOR VIDEO

- Fully protected non-drip nozzle bodies on stainless-steel boom tubes
- Spring-loaded breakaways to protect boom arms

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

## **UA300B 12-VOLT RANGE**

WIDTH: 1200MM LENGTH: 2000MM HEIGHT: 1200MM WEIGHT: 120KG					
Trailer with hitch and 300L tank only – no pump, boom or gun	2,738.00	3,011.80	А		
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	3,896.00	4,285.60	А		
Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 4m boom	5,321.00	5,853.10	А		
Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 6m boom	5,635.00	6,198.50	A		
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	4,615.00	5,076.50	А		
	Trailer with hitch and 300L tank only – no pump, boom or gun         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         Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 4m boom         Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 4m boom         Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 6m boom         Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 6m boom	Trailer with hitch and 300L tank only – no pump, boom or gun       2,738.00         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       3,896.00         Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 4m boom       5,321.00         Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 4m boom       5,635.00         Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 6m boom       5,635.00         Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy       5,635.00	Trailer with hitch and 300L tank only – no pump, boom or gun2,738.003,011.80Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance – ideal for spot sprayers3,896.004,285.60Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 4m boom5,321.005,853.10Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 4m boom5,635.006,198.50Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 6m boom5,635.006,198.50Trailing 300L sprayer, 20 L/min 12V pump, regulator kit, 10m of 10mm hose on handy hose reel with spray lance and 6m boom5,076.505,076.50		

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

Photos are for illustrative purposes only. Prices and specifications are subject to change without notice. Prices effective November 2022. For indicative freight prices, see page 82.

## SMALL TRAILED MOTORISED

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

## **KEY FEATURES**

MVB5-5

- 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

HONDA

CROPLANDS

CROPLANDS

## **UA300B MOTORISED RANGE**

WIDTH: 1200MM LENGTH:	DTH: 1200MM LENGTH: 2000MM HEIGHT: 1200MM WEIGHT: 120KG		\$ (INC. GST)	PROD. CAT.
UA300B/20/HR20G	Honda-powered AR252 pump fitted to the UA300B trailing sprayer with 20m of 10mm hose on hose reel with RL10 spray lance	5,466.00	6,012.60	А
UA300B/20/HR30G	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	6,198.00	6,817.80	А
UA300B/20/100RC	Honda-powered AR252 pump fitted to the UA300B trailing sprayer auto-rewind remote control RetraSpray reel fitted	9,979.00	10,976.90	А
UA300B/303/MVB5	Honda-powered AR303 pump fitted to the UA300B trailing sprayer with 5 nozzle per side Vertiboom fitted. Ideal for small horticultural growers	7,324.00	8,056.40	А

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 23

## **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.

BT-1100 SHOWN WITH ELECTRIC CONTROLLER OPTION

¢ (INC CCT)

3

		ֆ (EA. USI)	\$ (INC. 051)	PROD. GAI.
BT-1100	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	11,400.00	12,540.00	A
BT-1500	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	11,700.00	12,870.00	A

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

## TRAILPAK 1100/1500



8 TO 12M BOOM OPTIONS



I-E2032 ELECTRIC CONTROLS



GB383899000V AIRBAG SUSPENSION



AR140LFP-C POLY PUMP



A5200052 FOAM MARKER

GD430-GLO-P-L GPS SYSTEM

BOOM		\$ (EX. GST)	\$ (INC. GST)	SEE MORE
MAX08L	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	4,122.00	4,534.20	14
MAX10L	10m MAX series manual cross-fold boom fitted. Specifications as per MAX08L above	5,024.00	5,526.40	14
MAX12L	12m MAX series manual cross-fold boom fitted. Specifications as per MAX08L above	5,706.00	6,276.60	14
GB383899000V	Parallelogram airbag suspension system for booms	3.587.00	3.945.70	Above

FOMF		\$ (EX. UST)	ə (INC. GƏT)	SEE WUNE
AR140LFP-C	140 L/min PTO pump in lieu of standard 80 L/min model	698.00	767.80	43
AR70-5H	AR70 Honda-powered motorised pump in lieu of PTO drive AR80	2,447.00	2,691.70	45

ELECTRIC AND AUTO SPRAY-RATE CONTROLLERS (IF BOOM IS FITTED)			\$ (INC. GST)	SEE MORE
I-E2032A	3-section control of 3 boom sections and pressure control	2,822.00	3,104.20	52
BA5000-GEO3	3-section auto-rate spray controller for fully automatic spray rate control	4,248.00	4,672.80	53

FOAM MARKE	FOAM MARKER, GPS AND EXTRA OPTIONS			SEE MORE
A5200052	Double-sided foam marker fitted	2,371.00	2,608.10	17
GD430-GLO-P-L	Basic GPS mapping system in lieu of a foam marker. Ideal for knowing where you have applied	3,953.00	4,348.30	56
BT-PONYMUD	Added mud guards to TrailPak	2,040.00	2,244.00	

## **ELECTRIC REELS**

## RETRASPRAY

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

**OPTIONS** SEE PAGES 32-33

## **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



MANUAL OFF REMOTE

		\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
RSRL3-100RC	RetraSpray single reel with 100m hose and remote control	4,215.00	4,636.50	D
B26.901.165MK2	Turbo400 with metal grip and protected lever, 50 bar (725 psi)	181.00	199.10	В
RL10	RL10 gun with 500mm steel lance, adjustable nozzle, suits 100 model	84.00	92.40	В

Note: guns sold separately.

## **ELECTRIC REELS**

## TRAYPAK

Croplands traymount sprayers are fulloperation 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
US20F/25/100R3	1360mm	990mm	805mm	132kg
US30F/30/100R3	1360mm	990mm	805mm	146kg
US500/30/100R3	1200mm	1700mm	1200mm	218kg
US500/40/100RT3	1200mm	1700mm	1200mm	248kg
US60F/30/100R3	1255mm	1575mm	990mm	197kg
US60F/40/100RT3	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)	\$ (INC. GST)	PROD. CAT.
US20F/25/100R3	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	8,376.00	9,213.60	А
US30F/30/100R3	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	8,903.00	9,793.30	А
US500/30/100R3	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	9,935.00	10,928.50	А
US500/40/100RT3	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	14,613.00	16,074.30	А
US60F/30/100R3	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	9,888.00	10,876.80	А
US60F/40/100RT3	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	14,508.00	15,958.80	А

25

## MANUAL REELS

## RAYPAK

**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
  - Genuine Honda motor to power the reliable AR diaphragm pump
  - Steel hose reel with galvanised mount, 30 metres of high-quality 6. hose and Turbo400 gun



US30F/30/HR30TG

US60F/30/HR30TG



UNIT	WIDTH	LENGTH	HEIGHT	WEIGHT	
US20F/252/HR30	1275mm	1015mm	725mm	110kg	
US30F/30/HR30TG	1275mm	1015mm	725mm	115kg	
US60F/30/HR30TG	1255mm	1475mm	990mm	197kg	
US60F/40/TWIN	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) \$ (INC. GST) PROD. CAT. New 200L traymount sprayer with galvanised frame, Honda-powered 25 L/min AR pump. US20F/252/HR30 4,560.00 5,016.00 А Manual two-tap controls, 30m hose reel and Turbo400 gun. 6L handwash tank New 300L traymount sprayer with galvanised frame, Honda-powered 35 L/min AR pump. US30F/30/HR30TG 5,456.00 6,001.60 А Manual two-tap controls, 30m hose reel and Turbo400 gun. 6L handwash tank New 600L traymount sprayer with galvanised frame, Honda-powered 35 L/min AR pump. US60F/30/HR30TG 6,068.00 6,674.80 А Manual two-tap controls, 30m hose reel and Turbo400 gun. 6L handwash tank New 600L traymount sprayer with galvanised frame, Honda-powered 46.3 L/min AR pump. US60F/40/TWIN 7,650.00 8,415.00 А Manual two-tap controls, twin 30m hose reels and Turbo400 guns. 6L handwash tank



UNIT	WIDTH	LENGTH	HEIGHT	WEIGHT
US500/30/HR30TG	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.

		\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
US500/30/HR30TG	TrayPak 500L, AR30 pump, reel with 30m hose and Turbo400 gun, galvanised skid frame	6,245.00	6,869.50	А
US500/70/HR30TG	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)	6,491.00	7,140.10	А
US500/40/TWIN	TrayPak 500L, AR40 pump, twin reel both with 30m hose and Turbo400 gun, galvanised skid frame	7,657.00	8,422.70	А

## 200 | 300 LITRE



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

OPTIONS SEE PAGES 32-33

## **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





US300F/15/HR

## LANCE OPTIONS



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)	\$ (INC. GST)	PROD. CAT.
US200F	New 200L CropPak with new galvanised frame, on-demand 6.8 L/min open-flow pump. 6m spray hose standard with spray lance. Power lead with on/off switch provided	1,336.00	1,469.60	А
US200F/15	New 200L CropPak with new galvanised frame, on-demand 15.1 L/min open-flow pump, regulator and gauge. 3-way valve enables connection to a boom. 6m spray hose standard with spray lance. Power lead with on/off switch provided	1,802.00	1,982.20	A
US300F/15	New 300L CropPak with new galvanised frame, on-demand 15.1 L/min open-flow pump, regulator and gauge. 3-way valve enables connection to a boom. 6m spray hose standard with spray lance. Power lead with on/off switch provided	1,993.00	2,192.30	А
US200F/15/HR	New 200L CropPak with galvanised frame, on-demand 15.1 L/min open-flow pump, regulator and gauge. 3-way valve enables connection to a boom. 6m spray hose standard with Swissmex spray gun and lance. Power lead with on/off switch provided. Fitted with 10m hose reel.	2,215.00	2,436.50	A
US300F/15/HR	New 300L CropPak with galvanised frame, on-demand 15.1 L/min open-flow pump, regulator and gauge. 3-way valve enables connection to a boom. 6m spray hose standard with Swissmex spray gun and lance. Power lead with on/off switch provided. Fitted with 10m hose reel.	2,405.00	2,645.50	A

3

2

## 30 | 60 | 100 LITRE

## OPPAK

## **KEY FEATURES**

- 1. Rugged translucent tank, UV-stabilised with large filling lid and drain
- 3-stage filtration filling screen under lid, suction filter and pressure filter in lance handle 2.
- Metal lance with adjustable nozzle. Clips into lid for easy storage 3.
- 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
- High-quality electrical connector to pump with waterproof plug for quick and reliable connection 7.



		\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
US30S	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:</b> 280MM <b>LENGTH:</b> 640MM <b>HEIGHT:</b> 380MM <b>WEIGHT:</b> 9KG	599.00	658.90	A
US60S	As above with 60L CropPak WIDTH: 440MM LENGTH: 760MM HEIGHT: 440MM WEIGHT: 11KG	623.00	685.30	А
US100S	As above with 100L CropPak WIDTH: 460MM LENGTH: 1000MM HEIGHT: 460MM WEIGHT: 14KG	663.00	729.30	А
U\$100A/15	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:</b> 460MM <b>LENGTH:</b> 1000MM <b>HEIGHT:</b> 460MM <b>WEIGHT:</b> 14KG	880.00	968.00	A

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



NEW	ANNOVI REVERBERI CROPPAK	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
AR30	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:</b> 330MM <b>LENGTH:</b> 740MM <b>HEIGHT:</b> 300MM <b>WEIGHT:</b> 8KG	277.00	304.70	A
AR60	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:</b> 460MM <b>LENGTH:</b> 860MM <b>HEIGHT:</b> 310MM <b>WEIGHT:</b> 11KG	365.00	401.50	A
AR100	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. WIDTH: 370MM LENGTH: 880MM HEIGHT: 530MM WEIGHT: 14KG	409.00	449.90	A
AR100/15	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:</b> 370MM <b>LENGTH:</b> 880MM <b>HEIGHT:</b> 530MM <b>WEIGHT:</b> 14KG	568.00	624.80	A

## **PORTABLE SPRAYERS**





## **KEY FEATURES**

- 1. Adjustable nozzle
- 2. Long lance
- 3. Safer port wide 51/2" 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
- Dual-piston/diaphragm pump non-leak, high-quality dualpiston/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



CROPLANDS



## **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)	\$ (INC. GST)	PROD. CAT.
SW503	Knapsack 15L sprayer with piston/diaphragm	248.00	272.80	С
PAKMAN	Back protector for SW503	98.00	107.80	С

## **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 shutoff 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 shutoff gun, adjustable nozzle, pressure relief valve, in-built pressure filter, brass lance. Lance clips into the handle for storage and transport



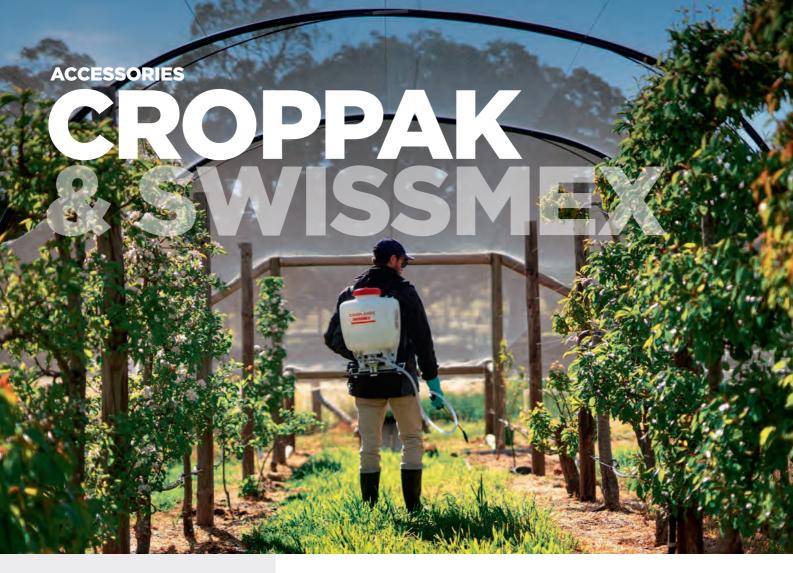
ASBBS-16A Rechargeable 12-volt sealed lithium ion battery; voltmeter to see charge level at a glance. Large filling lid. 12-volt diaphragm pump for positive spraying pressure.



## **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)	\$ (INC. GST)	PROD. CAT.
SW189C	Knapsack 15L sprayer (diesel)	228.00	250.80	С
SW322-315	Compression 9L sprayer – solvent model	213.00	234.30	С
SW320-310	Acid knapsack 7L sprayer	146.00	160.60	С
SW319	Compression 5L sprayer	125.00	137.50	С
SW320	Compression 7L sprayer	148.00	162.80	С
ASBBS-16A	16L lithium ion battery powered knapsack with 3.2L/min pump. Suitable for small boom application.	300.00	330.00	А
AR16	AR 16L lithium ion battery powered knapsack with 1.5L/min pump. Ideal for single spot spraying.	280.00	308.00	А



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



SW-LANCE-ASSY	
**	
SW-LANCE-ADJ-AS	

SPRAT LANCES		\$ (EX. GST)	\$ (INC. GST)	PROD. CAI.
SW-LANCE-ASSY	Complete spray gun with brass lance, adjustable nozzle and hose connector fitted (in-built pressure filter)	52.00	57.20	С
SW-LANCE-ADJ-AS	Complete spray gun with extendable fibreglass lance, adjustable nozzle and hose connector fitted (in-built pressure filter)	65.00	71.50	С

	SW219-142C		_	
	SW803-085	-		
EXTENSION	LANCES	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
SW219-142C	1000mm spray lance extension to fit Swissmex trigger assembly, with nozzle	29.00	31.90	С
SW219-143C	1500mm spray lance extension to fit Swissmex trigger assembly, with nozzle	29.00	31.90	С
SW219-146C	2000mm spray lance extension to fit Swissmex trigger assembly, with nozzle	36.00	39.60	С
SW803-085	Brass spray lance, 520mm (standard lance), nozzle not included	25.00	27.50	С
SW219-236C	Telescopic lance (to 940mm), with nozzle	25.00	27.50	С



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





## **SPRAY BOOMS TO FIT THE LANCE ASSEMBLY**

2-nozzle boom, narrow	27.00	29.70	С
2-nozzle boom, 500mm	27.00	29.70	С
2-nozzle boom, 750mm	33.00	36.30	С
3-nozzle boom, 1000mm	40.00	44.00	С
3-nozzle boom, 1500mm	46.00	50.60	С
4-nozzle boom, 1500mm	78.00	85.80	С
	2-nozzle boom, 500mm 2-nozzle boom, 750mm 3-nozzle boom, 1000mm 3-nozzle boom, 1500mm	2-nozzle boom, 500mm         27.00           2-nozzle boom, 750mm         33.00           3-nozzle boom, 1000mm         40.00           3-nozzle boom, 1500mm         46.00	2-nozzle boom, 500mm       27.00       29.70         2-nozzle boom, 750mm       33.00       36.30         3-nozzle boom, 1000mm       40.00       44.00         3-nozzle boom, 1500mm       46.00       50.60









**NOZZLES** 

SW219-089C

XR8003-VK

TDAM-AN-04 \$ (EX. GST) \$ (INC. GST) PROD. CAT.

SW803-262C	Plastic adjustable nozzle complete with cap and gasket	4.95	5.45	С
SW219-089C	Brass adjustable nozzle complete with cap and gasket	21.00	23.10	С
XR8003-VK	80° flat-fan nozzle for use with spray guard or lance	12.00	13.20	В
TDAM-AN-04	AirMix <sup>®</sup> anvil type air-induction flat-fan nozzle	15.00	16.50	С





## LANCE ACCESSORIES

LANCE ACCE	SSORIES Sw217-077	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
SW219-099	Herbicide spray guard, 400mm, large	17.00	18.70	С
SW219-117	Herbicide spray guard, 220mm, small	9.63	10.59	С
AT15128	Constant flow valve, 3 bar	108.00	118.80	С





SW808-014



SW502-191



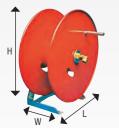
SWRPK503

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

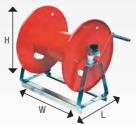
## **COMMON REPLACEMENT COMPONENTS AND KITS**

SW808-073C	Complete trigger assembly	25.00	27.50	С
SWRPK120	Repair/service kit for SW319 and SW320	25.00	27.50	С
SWRPK189	Repair/service kit for SW189	13.00	14.30	С
SWRPK189C	Repair/service kit for SW189C	44.00	48.40	С
SWRPK503	Repair/service kit for SW503 (diaphragm not included in kit)	20.00	22.00	С
SW503-031	Diaphragm to suit SW503 Knapsack	11.00	12.10	С
SW502-191	Elbow connector 90° – outlet to hose from tank	16.00	17.60	С
SW808-014	Hose tail to fit $\frac{3}{8}$ " (10mm) hose – attached to back of trigger assembly	0.68	0.75	С
SW502-001C	Red tank lid – suits all models (pictured left)	20.00	22.00	С
SW501-002	Lid seal (pictured left)	3.60	3.96	С
SW501-004	Lid strainer (pictured left)	5.15	5.67	С

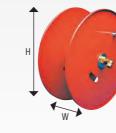
## ACCESSORIES REELS & PRESSURE GAUGE



L-R0240

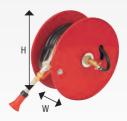


L-R0250



L-R0260





L-R2412



UNIT	WIDTH	LENGTH	HEIGHT	WEIGHT	UNIT	WIDTH	LENGTH	HEIGHT	WEIGHT
L-R0240	270mm	450mm	560mm	-	L-R0230	270mm	580mm	630mm	-
L-R0250	540mm	450mm	510mm	-	L-R2412	270mm	450mm	560mm	-
L-R0260	200mm	-	450mm	-	L-R3000	220mm	-	490mm	-

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REELS		\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
L-R0240	Base-mount model, 50m capacity* (bare reel)	696.00	765.60	А
L-R1412	Base-mount model comes with 30m of 10mm spray hose and Turbo400 spray gun	908.00	998.80	А
L-R0260	Side-mount (with bracket), 50m capacity* (bare reel)	558.00	613.80	А
L-R2412	Side-mount (with bracket), comes with 30m of 10mm spray hose and Turbo400 spray gun	801.00	881.10	А
L-R2412HP	Replacement reel for US500/30/HR30TG high pressure (40 bar)	977.00	1,074.70	А
L-R0250	Large-base mount model, 100m capacity* (bare reel)	962.00	1,058.20	D
L-R0230	Slim-line steel hose reel, galvanised base-mount model, 100m capacity* (bare reel)	791.00	870.10	D
L-R3000	High-impact poly reel, spring retractable; 15m of 10mm spray hose and threaded end-fitting (no gun fitted)	404.00	444.40	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

MANY

BAAV

A908006

PRESSUR	E GAUGES GLYCERINE-FILLED GAUGES IN 63MM AND 100MM SIZES	MAX PRESS BAR	MAX PRESS KPA	MAX PRESS PSI	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
A908006	Pressure gauge, 40mm, 0–600 kPa CBM	6	600	90	44.00	48.40	В
L-G1426	Isometric pressure gauge, 63mm, 1/4" bottom-entry	25	2500	360	44.00	48.40	D
L-G1425	Pressure gauge, 63mm, 1/4" bottom-entry	25	2500	360	33.00	36.30	D
L-G1430	Pressure gauge, 63mm, 1/4" bottom-entry	40	4000	580	33.00	36.30	D
L-G1432	Pressure gauge, 63mm, 1/4" bottom-entry	60	6000	870	33.00	36.30	D
L-G1602	Pressure gauge, 100mm, 1/4" bottom-entry	25	2500	360	63.00	69.30	D
L-G1611	Pressure gauge, 100mm, 3/8" bottom-entry	16	1600	230	84.00	92.40	D
L-G1612	Pressure gauge, 100mm, $\frac{3}{8}$ " bottom-entry	25	2500	360	84.00	92.40	D
L-G1660	Pressure gauge, 100mm, %" bottom-entry	60	6000	870	99.00	108.90	D
L-G1626	Isometric pressure gauge, 100mm, $\frac{3}{8}$ " bottom-entry	25	2500	360	102.00	112.20	D

MAN

ACCESSORIES

SW	-LANCE-ASSY	RL10		a santa
	SW-LANCE-ADJ-AS			
SPRAY GUNS &	LANCES	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
SW-LANCE-ASSY	Swissmex gun and lance	52.00	57.20	С
SW-LANCE-ADJ-AS	Swissmex gun and extendable lance	65.00	71.50	С
RL10	RL10 gun with 500mm steel lance, adjustable nozzle	84.00	92.40	В



AA30L-PP





AA31



AA43HA-8 AND AA43LA-8



B26.901.165MK2



B46.901.46RG

B7.901.10



B35.901.16

## SPRAY GUNS

\$ (INC. GST)	PROD. CAT.
124.30	В
149.60	В
145.20	В
364.10	В
364.10	В
199.10	В
267.30	В
367.40	В
149.60	В
	364.10 199.10 267.30 367.40

## ACCESSORIES CHEMICAL MAKING BARANSEER

ROP

# CHEMICAL MIXING AND TRANSFER





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
- 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

### **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



### **STAND ALONE 60L MIXER**

- 1. Trolley-mounted Croplands chemical mixer for stand-alone mixing operations
- 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
- 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)	\$ (INC. GST)	PROD. CAT.
A5033301	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	2,253.00	2,478.30	В
L-H9351A	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	2,232.00	2,455.20	A
L-H9353B	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	3,027.00	3,329.70	А
L-H9353C	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	5,250.00	5,775.00	A
L-H9355A	Optional spring-loaded drop-down mount for Croplands 60L mixer model L-H9351A. Ideal where operator height is an issue	1,061.00	1,167.10	D

# MICAL MIXING







L-H9005 5L JUG

L-H9025 25L JUG

**MIXING JUGS** 

### **EASYFLOW**

- Closed transfer system for crop protection products 1. featuring clever locking system
- For use with containers up to 10L capacity with 63mm 2. neck threads

### EACVELOW

EASYFLOW		\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
AT16077	EasyFlow tank adaptor kit – includes tank adaptor and 5 x container (jug) adaptors	1,711.00	1,882.10	С
AT16071	Wedge plate kit (2 plates and seals) - allows for fitting the tank adaptor to angled surfaces	35.00	38.50	С
MIXING JUGS				
L-H9001	Croplands calibrated 1L measuring jug	15.00	16.50	D
L-H9003	Croplands calibrated 3L measuring jug	22.00	24.20	D
L-H9005	Croplands calibrated 5L measuring jug	35.00	38.50	D
L-H9025	Croplands heavy-duty 25L calibrated mixing bucket with pouring spout	69.00	75.90	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 ensures long-life performance and durability



SHUFM-1100I













SHUSF-1105PTSI

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

### **CHEMICAL TRANSFER**

			,	
SHUSF-1105PTSI	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	3,079.00	3,386.90	В
SHUSF-1105	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	1,128.00	1,240.80	В
SHUFM-1100I	Pump-mounted electronic flowmeter with LCD display and long-life lithium battery	761.00	837.10	В
L-H9562A	Three-pin Envirodrum male coupling	852.00	937.20	D
L-H9556	Three-pin Envirodrum rinsing socket (must be connected to fresh-water source)	344.00	378.40	D



### SAFETY **PROTECTIVE EQUIPMENT**

### TANK CLEANER L-H9704

Thoroughly clean your sprayer when changing from one pesticide to another with Spraymate<sup>™</sup> tank and equipment cleaner. Powerful detergents remove residues from inaccessible areas in the tank and spray lines. It also removes rust and hard-water scale and leaves a protective film to prevent corrosion during storage, prolonging the life of your sprayer



**COVERALLS** L-H230 Tyvek<sup>®</sup> 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



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

### SAFETY EQUIPMENT

L-H9704	Spraymate tank and equipment cleaner, 600g	56.00	61.60	D
L-H230*	Disposable protective suit. Suitable for single or limited repeat use for protection against dust while mixing chemicals. Not rainfast. <b>*Denotes size as follows:</b> 1 = Medium; 2 = Large; 4 = XL; 5 = XXL	18.00	19.80	D
L-H700*	Nitrile protective spray gloves, 330mm. *Denotes size as follows: 3 = size 10; 5 = size 11	8.00	8.80	D
L-H710*	Nitrile protective spray gloves, long, 460mm. *Denotes size as follows: 2 = size 9; 3 = size 10; 4 = size 11	22.00	24.20	D



**RESPIRATOR** L-H3016



FILTER KASCO-0601/19

Please note: once opened replace after 6 months.

**MASK** L-H3300

RESPIRATORS					\$ (EX. GST)	\$ (INC. GST)	PROD. CAT
L-H3016	connection to a c approximately 30 Optional 240V ch	(80-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 pproximately 30 minutes without the 12V power source from a small battery in the blower unit. Joptional 240V charger available to charge the battery for 30 minutes of use if required as a stand-alone unction. Designed to be continuously powered while in use. Agricultural use only					D
L-H3017A		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					D
KASCO FILTERS	DESCRIPTION	CLASS	COLOUR ON CARTRIDGE	PROTECTION AGAINST			
KASCO-0601/19	ZA2P3 Filter	P3R		Particles, liquid and solid aerosols, organic vapours and gases	149.00	163.90	D
KASCO-0601/25	ZA2B2P3 Filter	A2P3R		Particles, liquid and solid aerosols, organic vapours and gases, inorganic vapours and gases. Suitable for HiCane use	165.00	181.50	D
MASKS AND FI	LTERS						
L-H3300	SR100 silicone n	nask for su	perior face seal. Do	ouble anti-clog exhaust valves, filter not included	167.00	183.70	D
L-H3500	Particle filter P3	(210/310) p	articles, wet and di	ry dust, aerosols, mould, bacteria, viruses, smoke, mist and fumes	54.00	59.40	D
L-H3501	Pre-filter 221-1	(pack of 10	)		19.00	20.90	D
L-H3502	Gas filter A1 (217) organic vapour such as solvents – regular capacity		69.00	75.90	D		
L-H3503	Gas filter A2 (218) organic vapour such as solvents – high capacity			69.00	75.90	D	
L-H3505	Gas filter ABEK1	(297) orgai	nic vapour such as	solvents and inorganic vapour, acid gas and ammonia	81.00	89.10	D

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### 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)	\$ (INC. GST)	PROD. CAT.
SHUMB25LK	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	880.00	968.00	В
SHUB55H	Honda GX160-powered Onga firefighter pump. Industrial grade nylon impeller, alloy housing, 3-way discharge outlets and carry handle. 1 $\%$ " priming port. Flow rate 100–500 L/min in the 2–5 bar pressure range. Price is for pump only	1,450.00	1,595.00	В
US500/FF1	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	5,725.00	6,297.50	А
BT1100/FF	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)	10,573.00	11,630.30	A
BT1500/FF	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)	11,071.00	12,178.10	A
BT1500/FF2	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	19,073.00	20,980.30	А

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

#### Photos are for illustrative purposes only. Prices and specifications are subject to change without notice. Prices effective November 2022. For indicative freight prices, see page 82.

### SPRAY TANKS



### TANKS

	DIMENSIONS (MM)									
	POSITION	LITRE CAPACITY	L	W	н	STRAINER	FREESTANDING	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
P20	(not shown)	20	300	300	400	No	No	195.00	214.50	А
P30B	А	30	625	300	333	Yes	Yes	230.00	253.00	А
P60B	В	60	740	380	380	Yes	Yes	274.00	301.40	А
P100	С	100	975	400	425	Yes	Yes	312.00	343.20	А
P200	D	200	900	600	600	Yes	No	350.00	385.00	А
P200B	E	200	1160	580	539	Yes	Yes	780.00	858.00	А
P300	F	300	1100	550	550	Yes	No	446.00	490.60	А
P300B	G	300	1269	750	753	Yes	No	752.00	827.20	А
P400	Н	400	1490	627	760	Yes	Yes	1,336.00	1,469.60	А
P400C	l	400	1190	760	650	Yes	No	668.00	734.80	А
P450	J	450	1070	750	580	Yes	No	540.00	594.00	А
P500C	К	500	1190	760	825	Yes	No	660.00	726.00	А
P700	(not shown)	700	1350	640	1200	Yes	No	826.00	908.60	А
P800	L	800	1740	1000	770	Yes	Yes	2,268.00	2,494.80	А
P1000L	Μ	1000	1350	800	1500	Yes	No	1,500.00	1,650.00	А
P1100A	Ν	1100	1400	1279	890	Yes	Yes	1,700.00	1,870.00	А
P1500A	0	1500	1400	1430	1150	Yes	No	2,100.00	2,310.00	А
P2000	Р	2000	2200	1300	1030	Yes	No	1,970.00	2,167.00	А
P3000	Q	3000	2200	1300	1300	Yes	No	2,812.00	3,093.20	А
P4000A	R	4000	2200	1300	1670	Yes	No	3,286.00	3,614.60	А

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 LOV PRESSURE



**CROPLANDS** 

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 47







**AR80LFP** 

AR140LFP-C

AR185LFP-CF25

### IDEAL FOR SMALL BOOM SPRAYERS

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

MAX PRESSURE: 25 BAR MAX RPM: 650 WE	IGHT: 4KG HP RE	QUIRED: 1.45	
TWIN DIAPHRAGM PUMP	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.

AR252-C		C	865.00	951.50	С
AR252-T	Available with	Т	1,109.00	1,219.90	С
AR252-SP		SP	774.00	851.40	С
AR252-CRGI		CRGI	1,381.00	1,519.10	С

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) \$ (INC. GST) PROD. CAT.

AR70-C		C	1,240.00	1,364.00	С
AR70-T	Available with	Т	1,504.00	1,654.40	С
AR70-SP	Available with	SP CR	1,180.00	1,298.00	С
AR70-CR	'0-CR		1,885.00	2,073.50	С

### 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) \$ (INC. GST) PROD. CAT.				

AR80LFP-C	Available with C	1,310.00	1,441.00	С

### IDEAL FOR BOOMS UP TO 15 METRES

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

MAX PRESSURE: 20 BAR MAX RPM: 550 WEIGI	HT: 15.5KG HP	REQUIRED: 5	.5
TRIPLE DIAPHRAGM PUMP	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.

AR115-C	Available with	C	1,711.00	1,882.10	С
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#### **DRIVE OPTIONS**

Cardan shaft – $1\%$ " 6-spline shaft both sides of pump
Cardan shaft – pump is fitted with a $1\%$ male 6-spline shaft
Female input for direct hydraulic motor fitting 6-spline male shaft on one side
Gearbox fitted to pump but without PRV fitted
Gearbox and PRV fitted to pump
Bare shaft – models to suit various kits and applications
Tractor kit – to connect pump directly to tractor PTO shaft

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







AR252

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AR70

AR250

CAT.

### 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 & MANIFOLD	,	\$ (EX. GST)	\$ (INC. GST)	PROD.	
AR140LFP-C	Available with	1,981.00	2,179.10	С	

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 NVI ON

HEADS & MANIFOLDS		\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
AR160LFP-CF25	Available with CF	2,844.00	3,128.40	С

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

MAX PRESSURE: 15 BAR MAX RPM: 550 WEIGHT: 25KG HP REQUIRED: 7.4	
WAAT MESSONE. 15 DAM WAA MEW. 550 WEIGHT. 25Ku HE MEQUINED. 7.4	
FOUR DIAPHRAGM, REINFORCED NYLON	

FUUN DIAFRINAUIVI, NEINFUNGED INTLUN		
HEADS & MANIFOLDS	\$ (EX. GST) \$ (INC. GST) PROD. CAT.	

AR185LFP-CF25	Available with	CF25	2.923.00	3.215.30	С

### 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 PUN	ЛР		\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
AR250-CF25	Available with	CF25	3.683.00	4.051.30	С

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## AR DIAPHRAGM PUMPS MEDIUM & ESSURE 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 42









AR1064







AR1604

1/0/ARBHS200

AR813

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) \$ (INC. GST) PROD. CAT.

AR813-APCC	Available with	APCC	2,001.00	2,201.10	С
AR813-CSP	Available with	CSP	2,039.00	2,242.90	С

### 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)
 \$ (INC. GST)
 PROD. CAT.

AR1064-APCC Available with APCC 2,262.00 2,488.20	0
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### 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 PUN	/IP	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.		
AR1604-APCC	Available with APCC	3,113.00	3,424.30	С		

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

MAX PRESSURE: 50 BAR MAX RPM: 550 WEIGHT: 65KG HP REQUIRED: 19.3						
FOUR DIAPHRAGM PUMP			\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.	
ARBHS170-APCC	Available with	APCC	5,455.00	6,000.50	С	

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

MAX PRESSURE: 50 BAR MAX RPM: 550 WEIGHT: 65KG HP REQUIRED: 22.1						
FOUR DIAPHRAGM PUMP			\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.	
ARBHS200-APCC	Available with	APCC	5.600.00	6.160.00	С	

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

IDEAL FOR SPOT-SPRAYING UNITS

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

				( )	
AR30-C		C	1,229.00	1,351.90	С
AR30-T	Available with	SP	1,398.00	1,537.80	С
AR30-SP		T	1,098.00	1,207.80	С
AR30-CRGI		CRGI	1,835.00	2,018.50	С

### 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) \$ (INC. GST) PROD. CAT.

		, ,	,	
AR40-CRGI	Available with CRGI	1,872.00	2,059.20	С

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

MAX PRESSURE: 40 BAR MAX RPM: 550 WEIGH	IT: 9KG H	IP RE	QUIRED: 3	
TRIPLE DIAPHRAGM PUMP	\$ (EX.	GST)	\$ (INC. GST)	PROD. CAT.

	AR303-CR	Available with CR	1,735.00	1,908.50	С
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### 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) \$(INC. GST) PROD. CAT.

		φ (±λίι άθ1)	φ (ποι αστ)	11100101111
AR503-T	Т	1,723.00	1,895.30	С
AR503-SP	Available with	P 1,330.00	1,463.00	С
AR503-CR	— Available with	1,850.00	2,035.00	С
AR503-CRGI	CR	ci 2,346.00	2,580.60	С

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

### **AR MOTORISED PUMPS**

### CROPLANDS

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.



### DRIVE OPTIONS

GX GX200QX E	Engine	EM	Single phase electric motor
AR-ES Electric sta	rt kit of Honda motor	ET	Three phase electric motor







AR252

С

AR70

AR70-5H

AR135

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)
 \$ (INC. GST)
 PROD. CAT.

Available with GX 3,662.00 4,028.20

### 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)	\$ (INC. GST)	PROD. CAT.		
AR135-6.5H	Available with GX	4,180.00	4,598.00	С		

### 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 PUM	Р		\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
AR252-4H	Available with	GX	2,445.00	2,689.50	С
AR252-EM	Available with	EM	1,803.00	1,983.30	С

### IDEAL FOR SPOT-SPRAYING UNITS

### AR30

(SEE PREVIOUS PAGE FC	or specs & Visual)	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
AR30-5H	GX	3,032.00	3,335.20	С
AR30-EM	Available with EM	3,422.00	3,764.20	С
AR30-ET		3,240.00	3,564.00	С

### **AR40**

(SEE PREVIOUS PAGE FOR	R SPECS & VISUAL)	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
AR40-6H	Available with GX	3,127.00	3,439.70	С

### AR303

(SEE PREVIOUS PAGE FOR SPECS & VISUAL)		\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
AR303-6H	Available with GX	2,947.00	3,241.70	С

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

### **AR PUMPS**

# PARTS & E ACCESSORIES











AR550086

AR759051

AR110121

AR1434

GEARBOX FITTED

DIAPHRAG	MS FOR PUMP MODELS M	ATERIAL	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT
AR1040080	AR80LFP-C D	ESMOPAN	39.00	42.90	С
AR550086	AR70, 115, 125, 135, 145, 160, 185, 250, 280, 370, 500 (20 bar max), AR140FLP-C	PDS	56.00	61.60	С
AR620080	AR30 (40 bar max), AR503 (50 bar max) Gi	OMMA	34.00	37.40	С
AR800086	AR19 and 252 (20 bar max) Hi	PDS	34.00	37.40	С
AR1040081	AR813, 1064 (50 bar max), AR80LFP-C Gr	OMMA	40.00	44.00	С
AR2240080	ARBHA140, BHS140, BHS160/170, BHS200 (50 bar max) Gi	OMMA	50.00	55.00	С
VALVES FO	R PUMP MODELS				
AR759051	AR70, 115, 125, 135, 145, 160, 185, 250, 280, 370, 500 (20 bar max). ARBHA140, BHS140, BHS160/1 AR2HS200 (50 bar max)	170,	50.00	55.00	С
AR1409050	AR30 (40 bar max). AR503, 813, 1064 (50 bar max)		36.00	39.60	С
AR809060	AR252 (25 bar max)		22.00	24.20	С
AR2429050	AR80LFP-C, AR140FLP-C		66.00	72.60	С
VALVE O-R	INGS FOR PUMP MODELS				
AR680070	AR125, 145, 160, 185, 250, 280, 370, 500 (20 bar max). ARBHA140, BHS140, BHS160/170, BHS200 (50	bar max)	3.00	3.30	С
AR320030	AR70, 115, 135 (20 bar max)		3.00	3.30	С
AR620030	AR30 (40 bar max). AR503, 813, 1064 (50 bar max)		1.60	1.76	С
AR880830	AR252 (25 bar max)		1.00	1.10	С
AR3460240	AR80LFP-C, AR140FLP-C		13.00	14.30	С
DISC FOR A	RGI40 REGULATOR				
AR110121	Vulkulan disc		12.00	13.20	С
AR1922	5 pack of Vulkulan discs		47.00	51.70	С
	REPAIR KITS				
PR66	2 X AR550086 for AR70 pump		90.00	99.00	С
PR67	4 valves and 0-rings for AR70		171.00	188.10	С
AR2374	Kit (8 x 680070 and 8 x 759051) for 4-diaphragm pumps		383.00	421.30	С
AR1917	Valve and O-rings kit for AR30		121.00	133.10	С
AR1925	Kit reg overhaul (GI40) for ARGI40 regulator		63.00	69.30	С
SAFETY REL					
AR1432	Valve safety (20 bar) – safety relief valve with reset		70.00	77.00	С
AR1433	Valve safety (40 bar) – safety relief valve with reset		72.00	79.20	C
AR1434	Valve safety (50 bar) – safety relief valve with reset		69.00	75.90	С
	Y USED GEARBOXES FOR AR PUMPS				
AR1613	Gearbox (AR19/202/252 1:4.3)		480.00	528.00	С
AR1636	Gearbox (AR30 1:5.9)		897.00	986.70	C
	Gearbox (AR50/503/703/904 1:5.9)		909.00	999.90	C
AR1639	Gealbux (Angu/gug/10g/904 1.3.9)				

# TARNUAL CONTROL VALVE AND REGULATOR CROPLANDS









ARIDROM-4

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

CO	NT	ROL	IEE	20
<b>UU</b>				<b>`</b> J

ARGR30	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)	149.00	163.90	С
ARGI40	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)	250.00	275.00	С
ARRM40I	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)	281.00	309.10	С
ARVDR50	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)	511.00	562.10	C
ARBMH50	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)	648.00	712.80	C
ARECM-4	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	435.00	478.50	С
ARUCM-5	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	748.00	822.80	С
ARIDROM-4	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	1,066.00	1,172.60	С



ARGR30/AR892



ARGI40/AR980



ARRM40I/AR985



ARVDR50/AR998

REMOT	REMOTE MOUNT KITS		\$ (INC. GST)	PROD. CAT.
AR892	Suits ARGR30, includes mount plate and bolts, extra tap, hosetails and inlet/outlet fitting	97.00	106.70	С
AR980	Suits ARGI40, includes mount plate and bolts, extra tap, hosetail and inlet/outlet fitting	110.00	121.00	С
AR985	Suits ARRM40I, includes mount plate and bolts, extra tap, hosetails and inlet/outlet fitting	107.00	117.70	С
AR998	Suits ARVDR50, includes mount plate and bolts, extra tap, hosetails and inlet/outlet fitting	128.00	140.80	С
AR996	Suits ARBMH50, includes mount plate and bolts, hosetails and inlet/outlet fitting	52.00	57.20	С

### **HYPRO PUMPS**

# CENTRIFUGAL MODELS PENTAIR

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-HM5C-B

	SPECIFICATIONS		OUTPUT & INPUT	\$ (EX. GST)	\$ (INC. GST)	PROD. Cat.
9203C-B	<ul> <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&" (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	1,380.00	1,518.00	В
9303C-HM1C-B	<ul> <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	2,750.00	3,025.00	В
9303C-HM5C-B	<ul> <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 <b>Fitted to a number of OEM sprayers</b>	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	2,900.00	3,190.00	В







9306C-HM5C-3U



9306S-HM5C-3U

	SPECIFICATIONS		OUTPUT & INPUT	\$ (EX. GST)	\$ (INC. GST)	PROD. Cat.
9306C-HM5C-B	<ul> <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; 1–½" 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: 15kg Fitted to a number of OEM sprayers Suits RG series RoGator sprayer models – replaces part number AC579304D1	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	3,180.00	3,498.00	В
9306C-HM5C-3U	<ul> <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: ½" NPT inlet, ¾" 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	2,400.00	2,640.00	В
93065-HM5C-3U	<ul> <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; 1–½" 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: 15kg Fitted to a number of OEM sprayers Optional stainless-steel pump for Croplands WEED-IT 7000L sprayer (replaces cast iron 9306C-HM5C-BU – 2 pumps fitted standard) Suits RG series RoGator sprayer models as a stainless-steel option – replaces part number AC579304D1	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	4,200.00	4,620.00	В



9342P-HM5C-5SP

**POLY TRANSFER PUMPS** 

9343P-GM6-SP

	SPECIFICATIONS		<b>OUTPUT &amp; INPUT</b>	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
9342P-HM5C-5SP	<ul> <li>Poly transfer pump,</li> <li>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: ½" NPT inlet, ¾" NPT outlet Optional for Croplands 4000 and 6000L WEED-IT sprayers as a filling pump	Max pressure: 4 bar (58 psi) Max L/min flow: 757 Max hyd flow required: 42 L/min	2,050.00	2,255.00	В
9343P-GM6-SP	<ul> <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: ½" NPT inlet, ¾" NPT outlet Optional for Croplands RoGator sprayers as a filling pump	Max pressure: 3 bar (44 psi) Max L/min flow: 1730 Max hyd flow required: 60 L/min	3,200.00	3,520.00	В

# **SHURFLO** 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





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

			+ (	(	
SHU8000-547-189 (PUMP)	<ul> <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	220.00	242.00	В
SHU94-385-32	DIAPHRAGM/DRIVE ASSEMBLY KIT	To suit pump model SHU8000-547-189	133.00	146.30	В
SHU94-391-46	VALVE ASSEMBLY KIT	To suit pump model SHU8000-547-189	112.00	123.20	В
SHU94-229-08	PRESSURE SWITCH KIT	To suit pump model SHU8000-547-189	71.00	78.10	В
SHU94-374-08	CHECK VALVE KIT	To suit pump model SHU8000-547-189	24.00	26.40	В
SHU2088-313-544 (PUMP)	<ul> <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	530.00	583.00	В
SHU50593611D011 (PUMP)	<ul> <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	536.00	589.60	В
SHU94-910-04	DIAPHRAGM/DRIVE ASSEMBLY KIT	To suit pump model SHU5059-1311-D011	215.00	236.50	В
5HU94-910-05	VALVE ASSEMBLY KIT	To suit pump model SHU5059-1311-D011	137.00	150.70	В
5HU94-910-02	PRESSURE SWITCH KIT	To suit pump model SHU5059-1311-D011	58.00	63.80	В
SHU94-910-03	CHECK VALVE KIT	To suit pump model SHU5059-1311-D011	43.00	47.30	В

#### **HOSE FITTINGS** PROD. CAT. \$ (EX. GST) \$ (INC. GST) SHU234-2926 $\frac{1}{2}$ " NPT – 14 female x 12mm ( $\frac{1}{2}$ ") straight swivel barb (polypropylene) 3.50 3.85 В SHU234-2916 $\frac{1}{2}$ " NPT – 14 female x 10mm ( $\frac{3}{8}$ ") straight swivel barb (polypropylene) 3.50 3.85 В SHU234-3926 В 1/2" NPT - 14 female x 12mm (1/2") elbow swivel barb (polypropylene) 3.50 3.85 SHU234-3916 $\frac{1}{2}$ " NPT – 14 female x 10mm ( $\frac{3}{8}$ ") elbow swivel barb (polypropylene) 3.50 3.85 В

**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

### 3501

3501 TRIPLEX	X PUMP		\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
FL3501-506	<ul> <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>¾" threaded ports for use with hosetails 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: %" hosebarb Internal bypass: Yes Diaphragm material: S Valve material: S Amps: 8	281.00	309.10	В
FL20419-012	DIAPHRAGM	To suit pump model FL3501-506	93.00	102.30	В
FL02091-060	PRESSURE SWITCH	To suit pump model FL3501-506	91.00	100.10	В
FL20407-033	VALVE	To suit pump model FL3501-506	74.00	81.40	В

FL20419-012



FL3521-139



FL20407-033

FL20419-015

FL02091-060

FL20407-021

#### **3521 TRIPLEX PUMP** \$ (EX. GST) \$ (INC. GST) PROD. CAT. FL3521-139 • Maximum flow of 15.1 L/min (open-flow) With press. switch: Yes • Internal bypass gives this model superior, smooth liquid delivery Max L/min (open flow): 15.1 for multiple nozzles Volts: 12V DC • Plug-in bayonet connections (1/2") with quick release clips Max press. (bar): 4 • Suited for small booms and high volume spot spraying. Inlet and outlet: Plug-in bayonet and 378.00 415.80 В Triplex design makes it an excellent priming option 1/2" hosebarb Internal bypass: Yes Diaphragm material: S Valve material: V Amps: 9 FL20419-015 DIAPHRAGM To suit pump model FL3521-139 130.00 143.00 В PRESSURE SWITCH FL02091-060 To suit pump model FL3521-139 91.00 100.10 В FL20407-021 VALVE To suit pump model FL3521-139 74.00 81.40 В

### 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





I-S402

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

ELECTRIC	CONTROL KITS UP TO 20 BAR PRESSURE	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
I-E2012	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	923.00	1,015.30	В
I-E2032	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	2,297.00	2,526.70	В
I-E2052	- As above for 5-section control	2,721.00	2,993.10	В

### TO SUIT HIGH-PRESSURE ORCHARD SPRAYERS

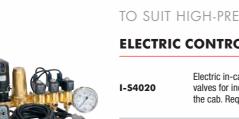
I-54020 Electric in-cab controller with switchbox. 2 valves for individual left/right shut off can to the cab. Requires a reliable 12V power sup Electric in-cab controller with switchbox. 2 valves for individual left/right shut off, elect	C CONTROL KITS UP TO 40 BAR PRESSURE	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.	_	
	I-S4020	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	1,739.00	1,912.90	В	
1	I-S4021	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	3,088.00	3,396.80	В	

### **APPLICATION** SPRAY MONITORS

Giving you visibility and accessibility of your spraying operations.

**SPRAY MONITORS** PROD. CAT. \$ (EX. GST) \$ (INC. GST) 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 A4670610-HA 1,092.00 1,201.20 В 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 The Visio spray monitor comes in a kit to fit-up to a boom or orchard A4670610-HA sprayer to measure spray application rate, litres used, area, distance and speed. Supplied in the kit is the Visio multi-function display, A4670610-SR100 mounting bracket, speed-sensor that will need to be mounted to read 1,875.00 2,062.50 В 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 spraver - consult your Croplands dealer or service agent A4670610-SR200 - As above, but with a higher flow-rated flowmeter (10-200 L/min) 1,875.00 2,062.50 В

A4670610-SR100



## **APPLICATION** UTO SPRAY-RATE ONTROLLERS

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.



AUTO SPRAY-	RATE CONTROLLERS	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT
BA5000-GEO3	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>	4,084.00	<u> </u>	A
BA5000-GEO5	<ul> <li>As above, but with 5 sections</li> <li>Note: if you require a kit for a trailed broadacre sprayer, contact Croplands to ensure the correct length looms are supplied</li> </ul>	4,241.00	4,665.10	А
HV2400-BRAG2	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	4,899.00	5,388.90	A
HV2400-BRAG4	- As above for horticulture, but with 4 high-pressure section valves	5,407.00	5,947.70	А
BRAVO180-ARAG3	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>	6,211.00	6,832.10	A
BRAVO180-ARAG5	- As above with a 5-section valve bank	6,584.00	7,242.40	А

### MANIFOLDS, SWITCHBOXES & COMPONENTS



<b>VALVES, FILTERS &amp;</b>	FLOWMETERS TO REPAIR YOUR CONTROL MANIFOLD	MAX PRESS	MAX FLOW	PORTS/BYPASS	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
1. A8710502	Dump valve/PRV/inlet assembly	20 bar	180 L/min	32mm	585.00	643.50	В
2. A86300245	Electric bypass valve, 7 second open/close	20 bar	150 L/min	25mm	429.00	471.90	В
3. A32621135	80-mesh flushing filter with manifold flanges	20 bar	150 L/min	40mm	118.00	129.80	В
4. A46264A0	Wolf Flow Meter 10/200L	20 bar	200 L/min	-	695.00	764.50	В
5. A8730001	Dump valve, hi-flow, 0.6 sec	20 bar	120 L/min	32mm	367.00	403.70	В
6. A8730020S	Electric bypass valve, hi-flow, 7 second open/close	20 bar	150 L/min	25mm	500.00	550.00	В
7. A465522	Manual PRV	20 bar	200 L/min	32mm	187.00	205.70	В
8. A4626000.504	Sensor for Wolf Paddle Flow Meter	-	_	-	438.00	481.80	В
9. A4626000.503	Paddle assembly for Wolf Flow Meter	-	_	-	235.00	258.50	В
UP-402	Proximity sensor BA and HV4000	-	-	-	229.00	251.90	В
ELECTRIC COI	NTROL MANIFOLDS AND SWITCHBOXES	5			\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
A871CCRO05	Control manifold for auto-rate controllers, for pumps up to 180 L/min, dump valve, 80-mesh flushing filter, ARAG Wolf flowmeter, mounting t	· · · ·	<i>.</i>	,,	1,660.00	1,826.00	В
A873CCRO02	Control manifold for auto-rate controllers, for pumps up to 280 L/min, dump valve, 80-mesh flushing filter, ARAG Wolf flowmeter, mounting t				1,581.00	1,739.10	В
A4628707	Highly accurate programmable flowmeter with LCD display and sappl reading of actual flow, or you can view litres pumped. 2 separately re- Will require T7 male fittings (A249177)	01			1,389.00	1,527.90	В



VALVES, FILTERS 8	FLOWMETERS TO REPAIR YOUR CONTROL MANIFOLD	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
10. G8370015	Manual main valve 3 wire	381.00	419.10	В
11. G8386006	Servo valve (7 section)	353.00	388.30	В
12. G8386004	Electric bypass valve, 28 second open/close	314.00	345.40	В
13. GS02000020	Flow sensor square wave	226.00	248.60	В
14. GF01001000	Flow meter 10–100	431.00	474.10	В
ELECTRIC CO	NTROL MANIFOLDS & SWITCHBOXES	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
G8380C0002	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)	1,532.00	1,685.20	В
G8376088	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	1,733.00	1,906.30	В
G8376077	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	2,087.00	2,295.70	В
G8406008	3-section electric switch box and tractor cables. Requires GC00900009 valve cable to connect control manifold. Suitable for G8376088 control manifold	443.00	487.30	В
GC00900009	3-section 5m valve cable. Requires G8406008 electric switch box. Suitable for G8376088 control manifold	214.00	235.40	В
G8406010	5-section electric switch box and tractor cables. Requires GC00900011 valve cable to connect control manifold. Suitable for G8376077 control manifold	482.00	530.20	В
GC00900011	5-section 5m valve cable. Requires G8406010 electric switch box. Suitable for G8376077 control manifold	265.00	291.50	В

### **ELECTRIC & MANUAL**

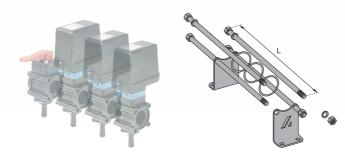
# E KITS

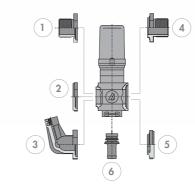


If you are updating your spraying control system, Croplands has a wide range of valves and valve kits to suit your application.

### **ELECTRIC AND MANUAL VALVES**

ELECTRIC A	ND MANUAL VALVES	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
A8630011	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)	396.00	435.60	В
A8630001	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)	367.00	403.70	В
A8730001	Electric boom shut-off valve, high flow (120 L/min), 3-wire for use with auto-rate controllers	367.00	403.70	В
A863CCRO05	Electric valve bank, 3-section complete with flushing tap, gauge port and mounting brackets	1,660.00	1,826.00	В
A863CCRO06	Electric valve bank, 5-section complete with flushing tap, gauge port and mounting brackets	2,135.00	2,348.50	В
A463CCRO09	2-bank manual valves complete with mounting brackets, 20 bar	388.00	426.80	В
A463CCRO10	3-bank manual valves complete with mounting brackets, 20 bar	260.00	286.00	В
A463051	Manual shut-off valve, 13mm tail, 20 bar	58.00	63.80	В
A463050	Blank ARAG valves	34.00	37.40	В
G8372023	Electric valve bank, 5-section complete with gauge port and mounting brackets	1,503.00	1,653.30	В
G8531010	Electric valve bank, 3-section complete with gauge port and mounting brackets (not pictured)	765.00	841.50	В
G8388001	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)	295.00	324.50	В





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) \$ (INC. GST) PROD. CAT.

A463000.920	Kit for 2 valves, 150mm	39.00	42.90	В	
A463000.930	Kit for 3 valves, 207mm	45.00	49.50	В	
A463000.940	Kit for 4 valves, 264mm	51.00	56.10	В	
A463000.950	Kit for 5 valves, 321mm	63.00	69.30	В	
A463000.970	Kit for 7 valves, 436mm	81.00	89.10	В	

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 ADAP	ALVE ADAPTORS		\$ (INC. GST)	PROD. CAT.
1. A463000.130	Male adaptor 3/4" (BSP)	10.00	11.00	В
1. A463000.140	Male adaptor 1" (BSP)	10.00	11.00	В
2. A463011.120	End cap	4.00	4.40	В
3. A463011.130	Pressure gauge adaptor 1/4" (BSP)	21.00	23.10	В
4. A463000.030	Male adaptor ¾" (BSP)	9.00	9.90	В
4. A463000.040	Male adaptor 1" (BSP)	9.00	9.90	В
4. A463000.050	Male adaptor 11/4" (BSP)	9.00	9.90	В
5. A463011.110	End cap	5.00	5.50	В
6. A463001.113	Hosetail 13mm	8.00	8.80	В
6. A463001.116	Hosetail 16mm	8.00	8.80	В
6. A463001.119	Hosetail 19mm	8.00	8.80	В
6. A463001.125M	Hosetail 25mm	9.00	9.90	В
AG10071V	O-ring to suit 863 flanges (Viton)	7.00	7.70	В
A454236.080V	O-ring to suit 873 flanges (Viton)	7.00	7.70	В

**CROPLANDS** 

# ACCESSORIES



RV117-2295-001 - CR7



90-02720 -

ANTENNA FOR MATRIX 430

GD430-GLO-P-L - MATRIX 430

### **Raven CR7 system**

Raven CR7 system with a  $7^{\prime\prime}$  field computer with 500S GPS receiver. Customisable in-job layouts, ISO universal terminal and task controller capabilities, optional external GPS, compatible with direct injection, multi-product control including variable rate liquid, dry, and NH3 applications, slingshot - ready for file transfer, remote support, and OTA software updates

### Matrix 430 system

Portable, simple guidance Matrix 430 system for use in agriculture. 110mm (4.3") full colour, high-contrast touchscreen 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**

GPS GUIDAN	ICE SYSTEMS	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
RV117-2295-001	Raven CR7 system	9,361.00	10,297.10	В
GD430-GLO-P-L	Matrix 430 system	3,800.00	4,180.00	В
90-02720	Upgrade antenna for Matrix 430 to improve GPS reception in areas where signal is weak	1,600.00	1,760.00	В

### 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



L-H9210



potor

L-H9205



L-H6001

			\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
L-H9210	Electronic spray tip pressure tester • Can measure in psi, KPa and bar • Accurate to within +/- 1 psi, 0.07 bar or 7kPa • 5-year battery life (depending on use)	<ul> <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>	270.00	297.00	D
L-H9220	Nozzle cleaner and multi-tool kit • Air-blast nozzle cleaner – simply charge it with air and it will blow out any grit or residue blocking your nozzle	<ul> <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>	123.00	135.30	D
L-H9205	Spot-on nozzle calibrator • Waterproof design, no moving parts • Easy one-hand operation, electronic display • Reads in GPM or L/min	<ul> <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>	399.00	438.90	D
L-H6001	WindMate <sup>™</sup> handheld weather meter • 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	<ul> <li>You simply cannot do without a WindMate<sup>™</sup> to be sure you are spraying when conditions are right</li> </ul>	287.00	315.70	D
L-M1111	1L fluoro dye		136.00	149.60	D
L-M1115	4L fluoro dye		425.00	467.50	D
20301-1	Water-sensitive paper 76 x 26mm (3" x 1") pack 50		93.00	102.30	D
20301-2	Water-sensitive paper 76 x 52mm (3" x 2") pack 50		154.00	169.40	D

# NOZZLE SELECT

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

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LANDS

# 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)	\$ (INC. GST)	PROD. CAT.
SPRAYWISEBK	SprayWise Broadacre Application Handbook	54.00	59.40	D
SPRAYWISELOG	SprayWise Logbook	60.00	66.00	D
SPRAYWISEHK	SprayWise Horticulture Application Handbook	45.36	49.90	D

# NOZZLE CEREAL GU

### LOW DRIFT / 2,4-D NOZZLES

Pre-emerg	ent nozzles	Pre-orific	e nozzles		ressure ion nozzles
TURBODROP XL (D)	TTI TURBO TEEJET Induction flat fan tip	DG DRIFT GUARD FLAT Fan Tip	ALBUZ ADI	TDAM	CVI
	Ş	Ć	Ge		
PRESSURE RANGE 10 1-8 BAR • Ideal pressure range: 2-4 bar • Uses: weed control, plant health and liquid fertilisers	PRESSURE RANGE 1 6 8 1 10 1 - 7 BAR • Ideal pressure range: 3-4 bar • Uses: weed control and plant health, both contact	PRESSURE RANGE 1 1 1 1 1 1 1 1 1 1 1 1 1	PRESSURE RANGE 24 6 8 1 10 2-4 BAR • Ideal pressure range: 2-3 bar • Uses: weed control and plant health	PRESSURE RANGE 1 1 1 1 6 BAR • Ideal pressure range: 3–4 bar • Uses: weed control	PRESSURE RANGE 1-4 BAR • Ideal pressure range: 1.5–3 bar • Uses: weed control
<ul> <li>Up to 90% drift reduction</li> <li>Variable droplet spectra from coarse to fine as pressure increases</li> <li>Excellent drift reduction at lower pressures</li> <li>Two piece for easy disassembly</li> <li>Fast cap fitting</li> </ul>	<ul> <li>And systemic</li> <li>Standard in polymer</li> <li>High-pressure air-induction nozzle</li> <li>Two piece with pre-orifice</li> </ul>	and plant health <ul> <li>Standard in polymer</li> <li>Pre-orifice plate</li> <li>Reduces drift-prone</li> <li>Small droplets</li> <li>(Also available in Visi-stainless steel in some sizes in 80°)</li> </ul>	<ul> <li>Pink ceramic orifice for excellent wear and spray precision</li> <li>Compact design, easy to dismantle and clean</li> <li>Excellent coverage potential for selected use and the right spraying conditions</li> </ul>	and plant health <ul> <li>Excellent value, proven performer</li> <li>Predominantly coarse-medium droplets for good coverage</li> <li>Compact design</li> <li>Protected air inlets to avoid blockage</li> <li>Two piece for easy cleaning, no seals</li> <li>Also available as an off-centre nozzle</li> </ul>	<ul> <li>and plant health</li> <li>Pink ceramic orifice for long life and precise spray quality</li> <li>Predominantly very coarse to coarse</li> <li>Available in 80° and 110°</li> <li>Anti-clogging design and protected double air-intake orifice</li> <li>Compact design</li> <li>Also available as an off-centre nozzle</li> </ul>

GROWTH STAGE

Pre-plant

Emergence

Tillering

**Stem elongation** 



LOW DRIFT / 2,4-D NOZZLES

DE

### There's a nozzle to suit every step of your cereal cropping program.

Fungicide nozzles			Fallow nozzles	
CVI – TWIN		TTI TWIN	TURBODROP XL (D)	TTI TURBO TEEJET INDUCTION FLAT FAN TIF
		Reget THE THE		Ş
AESSURE RANGE 4 6 8 10 -3 BAR		PRESSURE RANGE	PRESSURE RANGE	PRESSURE RANGE
ressure range: ontact and systemic ts		<ul> <li>Ideal pressure range: 1.5–7 bar</li> <li>Uses: contact and systemic products</li> </ul>	<ul> <li>Ideal pressure range: 2–4 bar</li> <li>Uses: weed control, plant health and liquid fertilisers</li> <li>Up to 90% drift</li> </ul>	<ul> <li>Ideal pressure range: 2–4 bar</li> <li>Uses: weed control and plant health, both contact and systemic</li> </ul>
nk ceramic orifice or long life and recise spray quality ne inclination of le jets improves the enetration into the egetation ir-induction nozzle ngle between the ts 65°		<ul> <li>Standard in polymer</li> <li>High-pressure air induction nozzle</li> <li>All-in-one moulded nozzle and Quick TeeJet® cap design provides automatic spray alignment</li> </ul>	<ul> <li>reduction</li> <li>Variable droplet spectra from coarse to fine as pressure increases</li> <li>Excellent drift reduction at lower pressures</li> <li>Two piece for easy disassembly</li> <li>Fast cap fitting</li> </ul>	<ul> <li>Standard in polymer</li> <li>High-pressure air-induction nozzle</li> <li>Two piece with pre-orifice</li> </ul>

Heading

Ripening

Harvest

Fallow

# FLOW CHART

		I	L/HA A	T VAR	OUS S	PEEDS	(KM/H	R) BAS	ED ON	A 500	M NO	ZZLE S	PACIN	G	
	BAR	L/min/nozzle	4	6	8	10	11	12	13	14	15	16	17	18	19
	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
01	4.0	0.46	137	91	68	55	50	46	42	39	36	34	32	30	29
Orange	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
	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
015 Green	4.0	0.68	205	137	103	82	75	68	63	59	55	51	48	46	43
Green	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
	1.5	0.56	167	112	84	67	61	56	52	48	45	42	39	37	35
02	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
02	4.0	0.91	274	182	137	109	100	91	84	78	73	68	64	61	58
Yellow	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
	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
025 Lilac	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
	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
03	4.0	1.37	410	273	205	164	149	137	126	117	109	103	96	91	86
Blue	5.0	1.53	459	306	229	183	167	153	141	131	122	115	108	102	97 106
Blue	6.0 7.0	1.68 1.81	503 543	335 362	251 271	201 217	183 197	168	155 167	155	134 145	126	118	112 121	114
	8.0	1.01		387	271	232		181 193	179			136	128	121	
	1.5	1.93	580 335	223	168	134	211 122	193	1/9	166 96	155 89	145 84	137 79	74	122 71
	2.0	1.12	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
04	4.0	1.82	547	365	273	219	199	182	168	156	146	137	129	122	115
Red	5.0	2.04	612	408	306	245	222	204	188	175	163	153	144	136	129
Keu	6.0	2.04	670	408	335	268	244	204	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
	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
05	4.0	2.28	684	456	342	273	249	228	210	195	182	171	161	152	144
Brown	5.0	2.55	764	510	382	306	278	255	235	218	204	191	180	170	161
Brown	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
	0.0	0.22		040		0.07	002	022	270	2.0	200	272	220	210	204

			L/HA	AT V	ARIOU	IS SP	EEDS	(KM/	HR) B	ASED	ON A	50C	M NO	ZZLE	SPAC	ING		
	BAR	L/min/nozzle		21	22	23	24	25	26	27	28	29	30	32	34	36	38	40
	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
01	4.0	0.46	27	26	25	24	23	22	21	20	20	19	18	17	16	15	14	14
Orange	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
	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
015	4.0	0.68	41	39	37	36	34	33	32	30	29	28	27	26	24	23	22	21
Green	5.0	0.76	46	44	42	40	38	37	35	34	33	32	31	29	27	25	24	23
Oreen	6.0	0.84	50	48	46	44	42	40	39	37	36	35	33	31	30	28	26	25
	7.0	0.04	54	52	40	44	42	40	42	40	39	37	36	34	32	30	29	27
	8.0	0.96								43						32	30	29
			57 33	55 32	52 30	50 29	48 28	46 27	44 26	43 25	41 24	40 23	38 22	36 21	34 20	19	18	17
	1.5	0.56																
	2.0	0.65	39	37	35	34	32	31	30	29	28	27	26	24	23	22	20	19
00	3.0	0.79	47	45	43	41	40	38	36	35	34	33	32	30	28	26	25	24
02	4.0	0.91	55	52	50	48	46	44	42	41	39	38	36	34	32	30	29	27
Yellow	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
	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
025	4.0	1.14	68	65	62	59	57	55	53	51	49	47	46	43	40	38	36	34
Lilac	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
	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
03	4.0	1.37	82	78	75	71	68	66	63	61	59	57	55	51	48	46	43	41
Blue	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
Blue	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
	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
04	4.0	1.82	109	104	99	95	91	88	84	81	78	75	73	68	64	61	58	55
Red	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
	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
05	4.0	2.28	137	130	124	119	114	109	105	101	98	94	91	85	80	76	72	68
Brown	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

### **SPRAY**

# **GUALITY CHARTS**

		DUAL-ANGLE NOZZLES	WEED-IT		LOW	-PRESSURE AIR-INDU	CTION	
		ALBUZ	AGROTOP	AGROTOP	ALBUZ	HYPRO	HYPRO	TEEJET
MOD	EL	CVI-TWIN	Spot Fan	AirMix®	CVI	Guardian Air	ULD-120	AIXR
NOZZLE							and the second	
SIZE						•		
	1.5 2.0 3.0 4.0	Not available	Not available	M M F	Not available	Not available	Not available	Not available
0	5.0 6.0 7.0 8.0	in this size	in this size	F	in this size	in this size	in this size	in this size
	1.5	XC			VC	UC	UC	VC
	2.0	XC		XC	VC	XC	XC	C
10	3.0	C VC	Net available	C C	VC	C	VC	C
015	4.0	M	Not available in this size	C		M	C C	M M
Ŭ	6.0	M		M		M	м	M
	7.0					M	М	
	8.0				NO	¥0	M	NO
	1.5	XC VC		С	VC VC	XC VC	UC XC	VC VC
	3.0	VC		C	C	M	C	C
03	4.0	C	Not available	М		М	C	М
0	5.0	M	in this size	M		M	М	М
	6.0	M		M		M	M	M
	7.0					М	M	
	1.5	XC			VC	XC	XC	XC
	2.0	XC		VC	VC	VC	XC	VC
	3.0	XC		C	C	C	C	VC
025	4.0	VC	Not available	C		M	С	C
0	5.0 6.0	C C	in this size	M		M	M	C
	7.0	U		М		M	M	M
	8.0						M	
	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
03	<u>4.0</u> 5.0	C C	XC	C C		C M	C M	C C
	6.0	C		M		M	M	M
	7.0					М	М	
	8.0						M	
	1.5	XC	UC UC	NO	VC C	XC	UC	XC
	2.0 3.0	XC VC	XC	C VC	C C	C VC	UC UC	XC VC
4	4.0	C	XC	C		M	XC	VC
04	5.0	C	-	C		М	XC	C
	6.0	C		М		M	VC	C
	7.0					М	C	
	8.0 1.5	VC		·	VC	XC	C UC	XC
	2.0	VC		VC	C	VC	UC	XC
	3.0	C		C	C	C	XC	VC
05	4.0	C	Not available	C		C	XC	VC
0	5.0	M	in this size	M		C	VC	C
	6.0	M		М		M	VC	C
	7.0					М	C C	
	0.0			L		1		

			HIGH-PRESSURE	AIR-INDUCTION		PRE-	ORIFICE	INCLINED FLAT FAN
	_	ALBUZ	AGROTOP	TEEJET	TEEJET	ALBUZ	TEEJET	HYPRO
MOD	)EL	AVI	TD-XL D	TTI	TTI60 TwinJet	ADI-110	DG-110	FC-3D100
NOZZLE SIZE	BAR		٢	ļ	Regist		Ċ	
3121	1.5							
10	2.0 3.0 4.0 5.0 6.0 7.0	VC VC C C C C	Not available in this size	Not available in this size	UC UC XC VC VC VC	F F F	Not available in this size	Not available in this size
	8.0 1.5			UC	C UC			С
	2.0	VC		UC	UC	М	М	М
50	3.0 4.0	VC VC	Not available	UC XC	XC VC	F	F	F M
015	5.0	VC	in this size	XC	VC			F
	6.0	C		XC	VC			F
	7.0	C		VC	C			F
	1.5	140	UC	UC	UC			C
	2.0	VC VC	UC XC	UC UC	UC UC	M	M	M
02	4.0	VC	XC	UC	XC	F	M	F
0	5.0 6.0	VC VC	XC VC	XC XC	XC VC			F F
	7.0	C	VC	VC	VC			F F
	8.0							
	1.5 2.0	XC	UC UC	UC UC	UC UC	М		C
	3.0	VC	XC	UC	UC	М		М
025	4.0	VC	XC	UC	XC	F	Not available	M
0	5.0 6.0	VC VC	XC VC	XC XC	XC VC		in this size	M F
	7.0	VC		XC	VC			F
	8.0 1.5		UC	UC	UC			VC
	2.0	XC	UC	UC	UC	М	C	C
	3.0	XC	UC	UC	UC	F	M	M
03	<u>4.0</u> 5.0	VC VC	XC XC	UC UC	XC XC	r	М	M
	6.0	VC	XC	XC	VC			F F
	7.0 8.0	VC		XC	VC			F
	1.5		UC	UC	UC			VC
	2.0 3.0	XC	UC UC	UC UC	UC UC	C C	C M	VC C
4	4.0	VC	XC	UC	XC	M	M	M
04	5.0	VC	XC	XC	XC			М
	6.0 7.0	VC VC	XC	XC XC	XC VC			M M
	8.0	VC						
	1.5	VO	UC	UC				VC
	2.0	XC XC	UC UC	UC UC			C C	VC C
05	4.0	XC	UC	UC		Data not	M	C
0	5.0 6.0	VC	UC XC	UC XC		available		M M
	7.0	VC VC	Λ0	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** GROTOP





TURBODROP CERAMIC

PRESSURE RANGE

2–10 BAR

and liquid fertilisers

exit nozzle

• Up to 95% drift reduction

• Ceramic injector orifice and

· Small droplet size variation

over pressure range

polyacetal nozzles

• Ideal pressure range: 4-8 bar

• Uses: weed control, plant health



TURBODROP XL (D)

SPRAY PATTERN

110°

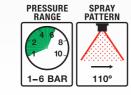


TDSF-4003

### **NOZZLE OPTIONS**

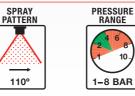
**KEY INFORMATION** 

**KEY BENEFITS** 



- Ideal pressure range: 1-6 bar
- Uses: weed control and plant health
- Up to 90% drift reduction
- · Excellent value
- Proven performer · Predominantly coarse to medium droplets for good coverage · Compact design
- Up to three times the life of Protected air inlets to avoid blockage · Two piece for easy disassembly • Two piece for easy cleaning, • Excellent penetration using no seals

high pressure • Also available as an off-centre nozzle



- Ideal pressure range: 2-4 bar
- Uses: weed control, plant health and liquid fertilisers
- Up to 90% drift reduction
- Variable droplet spectra from coarse to fine as pressure increases
- Excellent drift reduction at lower pressures
- · Two piece for easy disassembly

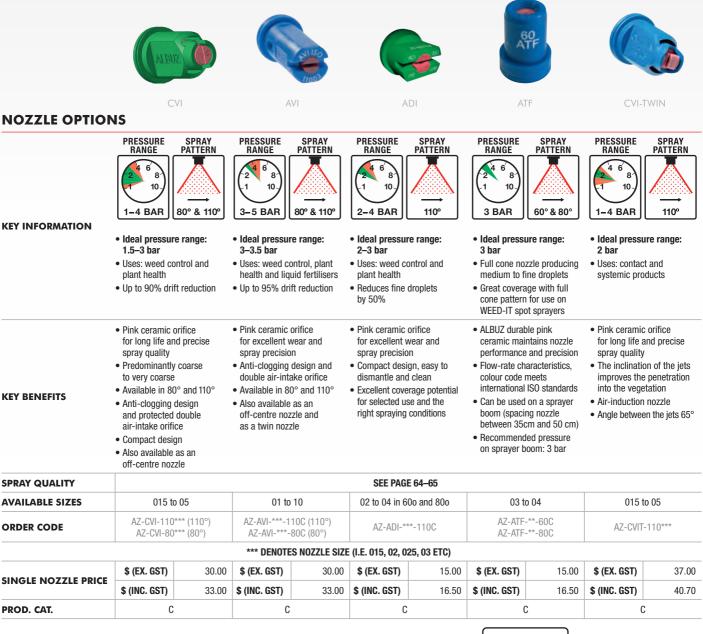


- Ideal pressure range: 3 bar ONLY • Low drift option for WEED IT
  - spot sprayers
- Specifically designed for use with the WEED IT optical spot sprayer
- · Excellent drift reduction
- Two piece for easy cleaning, no seals

SPRAY QUALITY				SEE PAG	E 64-65				
AVAILABLE SIZES	01 to (	06	01 to 10		01 to 08		03-04		
ORDER CODE	TDAM-11	0***	TDCFFC110**	:*	TDXLD-***		TDSF-40**	SF-40**	
		***	DENOTES NOZZLE SIZE	(I.E. 015, 02, 0	25, 03 ETC)				
SINGLE NOZZLE	\$ (EX. GST)	11.00	\$ (EX. GST)	30.00	\$ (EX. GST)	20.00	\$ (EX. GST)	14.00	
PRICE	\$ (INC. GST)	12.10	\$ (INC. GST)	33.00	\$ (INC. GST)	22.00	\$ (INC. GST)	15.40	
PROD. CAT.	С		С		С		С		
10 PACK AIRMIX®	\$ (EX. GST)	100.00							
NOZZLES – SIZES 015 TO 04	\$ (INC. GST)	110.00							
ORDER CODE	PR**-TD **10 = size 01 12 = 03, 13	5, 11 = 02,			\$ (INC. GST)				
100 PACK AIRMIX®	\$ (EX. GST)	932.00	NA		NA		NA		
NOZZLES – SIZES 015 TO 04	\$ (INC. GST)	1,025.20							
ORDER CODE	PR**-TDA **10 = size 01 12 = 03, 1	5, 11 = 02,							

WEED-IT ONLY

### NOZZLE SELECTION ALBUZ



WEED-IT ONLY

### **NOZZLE SELECTION** DRO







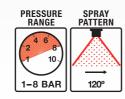


ULTRA LO-DRIFT

GUARDIAN AIR

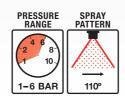
### **NOZZLE OPTIONS**

**KEY INFORMATION** 



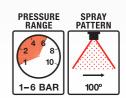
#### DRIFT REDUCING, DUAL AIR-INDUCTION

- 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

SPRAY QUALITY	Y QUALITY SEE PAGE 64–65									
AVAILABLE SIZES	015 to 08 (p	olyacetal)	015 to 05 (p	oolyacetal)	015 to 08 (p	oolyacetal)				
ORDER CODE	FC-ULD1	20-***	* FC-GA110-***			00-***				
		*** DENOTES NO	ZZLE SIZE (I.E. 015, 02, 0	25, 03 ETC)						
	\$ (EX. GST)	29.00	\$ (EX. GST)	26.00	\$ (EX. GST)	26.00				
SINGLE NOZZLE PRICE	\$ (INC. GST)	31.90	\$ (INC. GST)	28.60	\$ (INC. GST)	28.60				
PROD. CAT.	В		В		В	'				

### **NOZZLE SELECTION**





DG DRIFT GUARD FLAT FAN TIP









TTI TURBO TEEJET

INDUCTION FLAT

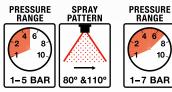
FAN TIP



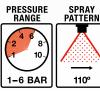
TTI TWIN JET AIR INDUCTION TWIN FLAT FAN SPRAY TIP

### **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  $80^\circ$
- SPRAY PATTERN 8 10 1–7 BAR 110°
- Standard in polymer • Low-pressure
- air-induction nozzle
- Two piece with preorifice

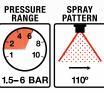


AITTJ60 AIR-INDUCTION

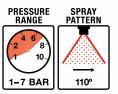
TURBO TWINJET TWIN

FLAT FAN TIP

- · 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 airinduction nozzle
- All-in-one moulded nozzle and Quick TeeJet<sup>®</sup> cap design provides automatic spray alignment

SPRAY QUALITY		SEE PAGE 64–65									
AVAILABLE SIZES	015 t	o 05	015 to 06 02 to 08 015 to 06 015 to 06		015 to 06		02 to 0	8			
ORDER CODE	DG110	***-VP	AIXR11	0***-VP	AITTJ60-11	0***VP	TTI110'	***-VP	TTI60-110'	***VP	
			*** DENO	TES NOZZLE SI	ZE (I.E. 015, 02, 02	25, 03 ETC)					
SINGLE NOZZLE	\$ (EX. GST)	13.00	\$ (EX. GST)	16.00	\$ (EX. GST)	17.00	\$ (EX. GST)	22.00	\$ (EX. GST)	30.00	
PRICE	\$ (INC. GST)	14.30	\$ (INC. GST)	17.60	\$ (INC. GST)	18.70	\$ (INC. GST)	24.20	\$ (INC. GST)	33.00	
	\$ (EX. GST)	270.00	\$ (EX. GST)	335.00			\$ (EX. GST)	520.00			
25 PACK	\$ (INC. GST)	297.00	\$ (INC. GST)	368.50			\$ (INC. GST)	572.00			
ORDER CODE	PR** **10 = size 0 12 = 03,	15, 11 = 02,	PR**- **10 = size 0 12 = 03, 13 =	15, 11 = 02,	NA		PR**- **10 = size 0 12 = 03, 13 =	15, 11 = 02,	NA		
PROD. CAT.	В		E	}	В		В		В		

### **NOZZLE SELECTION**



2

1



6



Quick TeeJet Seal

7

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

10

Black	White	Red	Blue	Green	Yellow	Brown	Ora	Orange Lila	
САР	NOZZLES/SEALS T	O SUIT CAPS		ORDER CODE	DESCRIPTION	\$	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
8		Mix® eJet XR, DG, TT, AIXR		114441-*-CELR	Cap and seat gas	ket set	2.50	2.75	
1	(sr	naller capacities to siz BUZ AXI, ADI, CVI, CVI	,	PR20-*	Pack of 10 caps a	nd seats	25.00	27.50	В
	• 90	al for use with nozzle	cans	CP19438-EPR	Seal for nozzle ca	ps, EPDM	1.10	1.21	— В
	- 36		σαμο	PR60	Pack of 10 seals f	or nozzle caps	13.00	14.30	
	• Se	al for use with nozzle	caps	CP19438-VI	Seal for nozzle ca	ps, Viton	4.40	4.84	В
0	se of	eJet flat spray tips (sn e above. Tips can be p 2 spray plane directio rpendicular to wings c	ositioned in choice ns: parallel or	25596-8-NYR	Cap and seat gas	ket set	2.50	2.75	В
	AV 📃 🔍	TwinJet / TJ60-Spray I TWIN, ESI, EXA, AIUB duction Turbo TeeJet S	TeeJet / TTI Air-	114443-*-CELR	Cap and seat gasl	ket set	2.50	2.75	В
2	• TF	-VS Turbo FloodJet / T	K-VS FloodJet	25600-*-NYR	Cap and seat gasl	ket set	2.50	2.75	В
6		FloodJet / FL FullJet , Full Cone	/ TX ConeJet /	114445-*-CELR	Cap and seat gas	ket set	2.50	2.75	В
٢		ramic Disc-Core/TXB BUZ TVI	ConeJet	26278-1-NYR	Cap and seat gas	ket set	2.50	2.75	В
Ċ	• Te • Tu	r use with Hardi nozzl eJet flat fan spray tips rbo TeeJet spray tips Mix® nozzles		23306H-1-CELR	Cap and seat gasl retro-fit cap to sui bodies. Available i	it Hardi spray	2.50	2.75	В
Ť	• TJ • AI	r use with Hardi nozzl TwinJet TeeJet, AIUB TeeJet sp I Air-induction Turbo T	oray tips flat	21398H-1-CELR	Cap and seat gasl retro-fit cap to sui bodies. Available i	it Hardi spray	2.50	2.75	В

4

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

ORDER CODE	DESCRIPTION	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
CP1325	TeeJet® brass 11/16" threaded cap	3.30	3.63	В
СР8027-NYB	TeeJet® nylon 11/16" threaded cap	2.50	2.75	В
CP8027-1-NYB	TeeJet® nylon 11/16" threaded cap, extra long	2.50	2.75	В
CP3942	TeeJet® brass blanking plug	1.10	1.21	В
114447-1-CELR	Blanking cap with seal, black only	5.00	5.50	В
QJ90-2-NYR	QJ adaptor cap comes with gasket and 1/4" female thread	9.90	10.89	В
QJ4676-¼-NYR	QJ adaptor cap, 90°, comes with gasket and $1\!4$ " female thread	5.50	6.05	В
QJ4676-90-¼-N	QJ adaptor cap, 90°, comes with gasket and $1\!\!\!/4$ " female thread	9.90	10.89	В
	CP1325 CP8027-NYB CP8027-1-NYB CP3942 1114447-1-CELR QJ90-2-NYR QJ4676-¼-NYR	CP1325TeeJet® brass 11/16" threaded capCP8027-NYBTeeJet® nylon 11/16" threaded capCP8027-1-NYBTeeJet® nylon 11/16" threaded cap, extra longCP3942TeeJet® brass blanking plug114447-1-CELRBlanking cap with seal, black onlyQJ90-2-NYRQJ adaptor cap comes with gasket and ¼" female threadQJ4676-¼-NYRQJ adaptor cap, 90°, comes with gasket and ¼" female thread	CP1325TeeJet® brass 11/16" threaded cap3.30CP8027-NYBTeeJet® nylon 11/16" threaded cap2.50CP8027-1-NYBTeeJet® nylon 11/16" threaded cap, extra long2.50CP3942TeeJet® brass blanking plug1.10114447-1-CELRBlanking cap with seal, black only5.00QJ90-2-NYRQJ adaptor cap comes with gasket and ¼" female thread9.90QJ4676-¼-NYRQJ adaptor cap, 90°, comes with gasket and ¼" female thread5.50	CP1325         TeeJet® brass 11/16" threaded cap         3.30         3.63           CP8027-NYB         TeeJet® nylon 11/16" threaded cap         2.50         2.75           CP8027-1-NYB         TeeJet® nylon 11/16" threaded cap, extra long         2.50         2.75           CP3942         TeeJet® brass blanking plug         1.10         1.21           114447-1-CELR         Blanking cap with seal, black only         5.00         5.50           QJ90-2-NYR         QJ adaptor cap comes with gasket and ¼" female thread         9.90         10.89           QJ4676-¼-NYR         QJ adaptor cap, 90°, comes with gasket and ¼" female thread         5.50         6.05

### **NOZZLE SELECTION**

# **BODIES** & FILTERS

### **NOZZLE BODIES**

a	DESCRIPTION	REPLACES	FEATURES	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT
J17560A-½-NY	Teejet ½" single drop nozzle body for wet boom	TeeJet: 2.20 QJ17560A-½-NYB ARAG: 402745	<ul> <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>	10.00	11.00	В
221N-B123	PROFLO 34" single drop nozzle body for wet boom	TeeJet: QJ17560A-¾-NYB ARAG: 402755	<ul> <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>	13.00	14.30	В
243N-B322V	PROFLO ½" triple drop nozzle body for wet boom	TeeJet: QJ363C-½-NYB	<ul> <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>	30.00	33.00	В
243N-B323V	PROFLO ¾" triple drop nozzle body for wet boom	TeeJet: QJ363-¾-NYB	<ul> <li>Turret-indexing design eliminates seizing issues common on other types</li> <li>Bayonet attachment for correct flat fan nozzle alignment</li> </ul>	40.00	44.00	В
243N-B324V	PROFLO 1" triple drop nozzle body for wet boom	TeeJet: QJ363C-1-NYB	Compact design     10mm nib     20-bar rated	43.00	47.30	В
₽ 4216-½-NYB	Compact triple nozzle b	ody for wet booms – $\frac{1}{2}$ "	Vertical turret for use in situations where space is an issue	45.00	49.50	В
<b>**</b> 4216-¾-NYB	Compact triple nozzle b	ody for wet booms – ¾"	Vertical turret for use in situations where space is an issue (also available in 1")	45.00	49.50	В
<b>4</b> 02735	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	11.00	12.10	В
<b>\$</b> J39685-2-500-N	Dry boom nozzle body -	- ½" tee type	Dry boom nozzle body with diaphragm check valve for quick connect caps – tee type	15.00	16.50	В
<b>4</b> J39685-1L500-N	Dry boom nozzle body -	- ½" left elbow	Dry boom nozzle body with diaphragm check valve for quick connect caps – left elbow for boom end	15.00	16.50	В
J39685-1R500-N	Dry boom nozzle body -	- ½" right elbow	Dry boom nozzle body with diaphragm check valve for quick connect caps – right elbow for boom end	15.00	16.50	В
<b>%</b> 716.617.2	Brass roll-over nozzle b	ody	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 74	57.00	62.70	В

### **NOZZLE FILTERS**

	ORDER CODE	DESCRIPTION	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
	8079-PP-*	TeeJet® polypropylene strainer, *50, *80 or *100 mesh screen	2.50	2.75	В
Онтный	PR51	Pack of 10 x 8079-PP-50 strainers	28.00	30.80	В
5	PR52	Pack of 10 x 8079-PP-100 strainers	28.00	30.80	В
(	4193A-PP-5-*SS	TeeJet $^{\circ}$ polypropylene strainer with check valve for 5 psi, *50 or *100 mesh screen	8.50	9.35	В
	4193A-5-*SS	TeeJet $^{\circ}$ brass strainer with check valve for 5 psi, *50 or *100 mesh screen	11.00	12.10	В
9	4067-SS-*	TeeJet® cup strainer, *50 or *100 mesh screen	3.50	3.85	В
	4514-NY-*	TeeJet $^{\odot}$ nylon slotted strainer, for suspended solids, *10, *20 and *32	2.50	2.75	В

# WIDE ANGLE FLAT FERTILISER

Thanks to the exceptional wear resistance of ALBUZ<sup>®</sup> 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)	\$ (INC. GST)	PROD. CAT.
	<ul> <li>Wide-angle flat fan Flood Jet for use with suspension fertilisers and some herbicides</li> <li>Commonly used in sugar cane and other row crops</li> </ul>			
	<ul> <li>Ideal for soil-applied products in particular</li> <li>Exceptional wear resistance using pink ceramic surfaces</li> </ul>	16.00	17.60	С

Recommended pressure range 0.5 to 2 bar

\*\*\* 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			

ALBUZ ESI	SIZES	TYPE SPECIFICATION AND USE	FEATURES	\$ (EX. GST)	\$ (INC. GST)	PROD. Cat.	SIZE/ORDER Code	FLOW RATE (L/MIN)						
								PRESSURE (BAR)						
		<ul> <li>6 streams provide very coarse droplets for excellent</li> </ul>				ALBUZ ESI	1	1.5	2	2.5	3	3.5	4	
		<ul> <li>Pink ceramic calibrated</li> </ul>	distribution			AZ-ESI-015	0.37	0.44	0.50	0.55	0.60	0.64	0.68	
		pre-orifice • Pressure range: 1–4 bar	<ul><li>Long-wear life</li><li>Allows a wide range of</li></ul>	ws a wide range of AZ-ESI-02 C ications at varying speeds 14.00 15.40 C AZ-ESI-025 c	0.52	0.61	0.68	0.74	0.80	0.85	0.90			
		<ul> <li>Uses: predominant use in ground crops</li> </ul>	<ul><li>applications at varying speeds</li><li>ISO colour coded. Tip only</li></ul>		AZ-ESI-025	0.64	0.76	0.85	0.93	1.00	1.06	1.10		
			(caps and seal extra) • Fits standard 50cm nozzle				AZ-ESI-03	0.77	0.91	1.02	1.12	1.20	1.28	1.35
			body spacings	AZ-ESI-0	AZ-ESI-04	1.03	1.21	1.36	1.49	1.60	1.70	1.80		
			<ul> <li>110° pattern</li> </ul>				AZ-ESI-05	1.35	1.56	1.73	1.87	2.00	2.11	2.22

HYPRO ESI	SIZES	TYPE SPECIFICATION AND USE	FEATURES	\$ (EX. GST)	\$ (INC. GST)	PROD. Cat.	SIZE/ORDER CODE	FLOW RATE (L/MIN)															
										PRES	SSURE (	BAR)											
	015 to 20	015 to 20	<ul> <li>Specifically designed for fertiliser application</li> </ul>	<ul> <li>6 streams provide very coarse droplets for excellent</li> </ul>				HYPRO ESI	1	1.5	2	2.5	3	4									
		<ul> <li>Pink ceramic calibrated pre-orifice</li> </ul>					FC-ESI-110015	0.35	0.42	0.49	0.55	0.60	0.69										
<u> </u>												• Pressure range: 1-4 bar	<ul> <li>Allows a wide range of</li> </ul>				FC-ESI-11002	0.46	0.57	0.65	0.73	0.80	0.92
		Uses: soil seeded crops	<ul> <li>applications at varying speeds</li> <li>Includes cap and seal</li> </ul>	26.00	28.60	В	FC-ESI-110025	0.58	0.71	0.82	0.91	1.00	1.15										
			<ul> <li>Fits standard 50cm nozzle body spacings</li> </ul>				FC-ESI-11003	0.69	0.85	0.98	1.10	1.20	1.39										
		• 110° pattern	, , , , , , , , , , , , , , , , , , ,			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										

## CROPLANDS

# SPECIALISED APPLICATION

NOZZLE	TYPE AND DESC	RIPTION	ORDER CODE	SIZE, MATERIAL, ANGLE	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
00 B0 80 B2	ALBUZ OCI	Ceramic     Off centre	AZ-OCI-**-80C	<ul> <li>02, 03 and 04 sizes</li> <li>Pink ceramic</li> <li>80°</li> </ul>	30.00	33.00	С
	ALBUZ AVI	<ul><li> Air-induction</li><li> Off centre</li></ul>	AZ-AVIOC-80**	<ul> <li>01 to 04 sizes</li> <li>Pink ceramic</li> <li>80°</li> </ul>	47.00	51.70	С
			1⁄4TTJ**-VP	<ul><li>02 to 15 sizes</li><li>Polymer</li></ul>	36.00	39.60	В
	TurfJet	<ul> <li>Designed for turf applications</li> <li>1.5–5 bar pressure range</li> </ul>	1⁄4TTJ**-VS	<ul><li>02 to 15 sizes</li><li>Stainless steel</li></ul>	36.00	39.60	D
S)	Turbo	<ul> <li>Wide-angle flat spray pattern</li> <li>Extremely coarse droplets</li> </ul>	TF-VP*	• 2 to 10 sizes • Polymer	6.50	7.15	5
51.00	FloodJet	<ul> <li>Precise distribution pattern</li> <li>1–3 bar pressure range</li> </ul>	TF-VS*	• 2 to 10 sizes • Steel	28.00	30.80	В
	FloodJet	<ul> <li>Wide-angle flat spray pattern</li> <li>1–3 bar pressure range</li> </ul>	TK-VS*	• 2 to 10 sizes • Steel	26.00	28.60	В
	BoomJet	<ul> <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>	5880-¾-2TOC**	<ul><li>10 to 40 sizes</li><li>Brass</li></ul>	556.00	611.60	В
F	ХР	<ul> <li>Boomless flat spray nozzles</li> <li>Useful for roadside, end-row, orchard or forestry applications</li> <li>Extra-wide spray pattern</li> </ul>	B¼XP**L-VP B¼XP**R-VP	<ul> <li>10, 20 and 25 ¼" sizes</li> <li>Acetal left and right options</li> </ul>	108.00	118.80	В
	BoomJet	<ul> <li>Left and right options</li> <li>1–4 bar pressure range</li> <li>Excellent distribution</li> </ul>	В½ХР**L-VР В½ХР**R-VР	<ul> <li>40 and 80 ½" sizes</li> <li>Acetal left and right options</li> </ul>	129.00	141.90	U

# NOZZLE SELECTION HORTICULTURE

## SPRAYWISE ORCHARD/VINEYARD NOZZLE SELECTION

## **STEP 1**

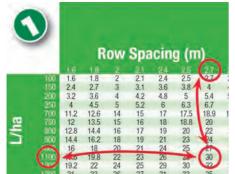
Calculate the dilute L/100m rate.

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.

## **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.





## **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 page 76.

## ATR HOLLOW CONE FLOW RATE

PRESSURE         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				
6         0.8         1.08           7         0.86         1.17           8         0.92         1.24           9         0.97         1.32		PRESSURE	YELLOW	ORANGE
7         0.86         1.17           8         0.92         1.24           9         0.97         1.32		(5)	0.73	0.99
BAR 8 0.92 1.24 9 0.97 1.32			0.8	1.08
8         0.92         1.24           9         0.97         1.32	DAD	7	0.86	1.17
	DAN	8	0.92	1.24
<b>10</b> 1.03 1.39		9	0.97	1.32
		10	1.03	1.39

## CROPLANDS

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  |   |   | 0.5   | 0.7  
   |  |  |  |   |   |  |  |   | | |
  | n)   | 15  |   
  |   |  |   |  |  | 7.5  |  | 0.5   |   |   |
| L/ha                                     | 100<br>150<br>200<br>250<br>300<br>350<br>400<br>500<br>600<br>750<br>800<br>900<br>1000<br>1100<br>1100<br>1200<br>1300<br>1300<br>1300<br>1400<br>1300<br>1300<br>2000<br>2500<br>3000<br>4000<br>5000<br>5000<br>5000 | 1.6<br>1.6<br>2.4<br>3.2<br>4<br>4<br>4.8<br>5.6<br>6.4<br>6.4<br>7.2<br>8<br>9.6<br>6<br>11.2<br>12<br>12.8<br>14.4<br>15<br>17.6<br>17.6<br>19.2<br>2<br>1<br>22<br>24<br>22<br>4<br>27<br>29<br>30<br>32<br>24<br>40<br>48<br>8<br>40<br>4<br>8<br>9.6<br>19.2<br>11<br>2<br>12<br>12<br>12<br>12<br>12<br>12<br>12<br>12<br>12<br>12<br>12   
   | 1.8<br>1.8<br>2.7<br>3.6<br>4.5<br>5.4<br>6.3<br>7.2<br>8.1<br>10.8<br>12.6<br>13.5<br>2.8<br>114.4<br>16.2<br>23<br>25<br>27<br>29<br>31<br>32<br>25<br>27<br>29<br>31<br>32<br>25<br>27<br>29<br>31<br>32<br>25<br>27<br>29<br>31<br>32<br>25<br>27<br>29<br>31<br>32<br>25<br>27<br>29<br>31<br>32<br>25<br>27<br>29<br>31<br>32<br>25<br>27<br>29<br>31<br>32<br>20<br>5<br>4<br>5<br>4<br>5<br>4<br>5<br>4<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>4<br>5<br>5<br>5<br>4<br>5<br>5<br>5<br>4<br>5<br>5<br>5<br>5<br>4<br>5<br>5<br>5<br>4<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5 | 2 2 3 3 4 4 4 4 5 5 5 5 7 7 8 8 9 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | 2     2       3     3       4     5       5     6       6     5       7     5       8     6       7     6       8     6       6     6       6     6       6     6       7     7       7 <th>2.1<br/>3.1<br/>3.1<br/>4.2<br/>5.2<br/>5.2<br/>5.3<br/>7.3<br/>8.3<br/>9.4<br/>10<br/>13<br/>15<br/>16<br/>17<br/>19<br/>21<br/>23<br/>25<br/>27<br/>29<br/>31<br/>33<br/>35<br/>33<br/>35<br/>53<br/>840<br/>42<br/>25<br/>63<br/>83<br/>10<br/>42<br/>25<br/>27<br/>29<br/>31<br/>31<br/>32<br/>52<br/>29<br/>31<br/>32<br/>32<br/>33<br/>33<br/>35<br/>34<br/>34<br/>34<br/>34<br/>35<br/>35<br/>35<br/>35<br/>35<br/>35<br/>35<br/>35<br/>35<br/>35<br/>35<br/>35<br/>35</th> <th>2.4<br/>3.6<br/>4.8<br/>9.5<br/>11<br/>12<br/>14<br/>17<br/>18<br/>21<br/>21<br/>24<br/>29<br/>31<br/>33<br/>6<br/>38<br/>40<br/>43<br/>36<br/>38<br/>40<br/>43<br/>45<br/>48<br/>60<br/>71<br/>19<br/>5<br/>119<br/>143</th> <th>2.5<br/>2.5<br/>3.8<br/>5<br/>6.3<br/>7.5<br/>8.8<br/>10<br/>11.3<br/>12.5<br/>15<br/>17.5<br/>18.8<br/>20<br/>23<br/>25<br/>28<br/>30<br/>33<br/>35<br/>8<br/>8<br/>40<br/>43<br/>45<br/>50<br/>63<br/>75<br/>1000<br/>125<br/>1500<br/>125</th>
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122           351         56           366         19</th> <th>2         3.3         5.7           3         5.7         8.3           4         6.7         8.4           8.7         2         11.1           2         11.1         12         11.1           4         152         16.6         10.2           5         16.2         20.2         22.2           2         2.2         2.2         2.2           2         2.2         2.2         3.3           4         155         5.7         5.4           5         4.5         5.7         4.5           5         4.5         5.7         4.5           6         6.3         6.3         6.7           8         10.8         13.3         10.7         8.13           6         10.0         16.6         7.2         2.0</th> <th>3         3.           3         3.           5         5.           7         12.           7         12.           2         2           2         2           2         2           2         2           2         2           3  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<th>4<br/>4<br/>6<br/>8<br/>10<br/>12<br/>14<br/>16<br/>18<br/>20<br/>24<br/>24<br/>30<br/>32<br/>36<br/>30<br/>32<br/>36<br/>30<br/>32<br/>23<br/>6<br/>6<br/>40<br/>44<br/>44<br/>85<br/>256<br/>60<br/>60<br/>64<br/>80<br/>72<br/>76<br/>80<br/>100<br/>120<br/>120<br/>200<br/>220<br/>220<br/>220<br/>220<br/>220<br/>22</th> <th>4.5<br/>6.8<br/>9<br/>11.3<br/>13.5<br/>15.8<br/>15.8<br/>20<br/>23<br/>27<br/>32<br/>34<br/>36<br/>41<br/>45<br/>50<br/>54<br/>45<br/>59<br/>63<br/>68<br/>68<br/>72<br/>77<br/>81<br/>86<br/>63<br/>68<br/>72<br/>77<br/>81<br/>135<br/>59<br/>90<br/>113<br/>135<br/>52<br/>20<br/>225<br/>2215</th> <th>5<br/>5<br/>7.5<br/>10<br/>12.5<br/>15<br/>17.5<br/>20<br/>23<br/>25<br/>30<br/>35<br/>38<br/>40<br/>45<br/>55<br/>60<br/>65<br/>70<br/>75<br/>70<br/>75<br/>80<br/>85<br/>90<br/>95<br/>100<br/>125<br/>150<br/>250<br/>250<br/>250<br/>250<br/>250<br/>250<br/>250<br/>250<br/>250<br/>2</th> 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     5.7           3         5.7         8.3           4         6.7         8.4           8.7         2         11.1           2         11.1         12         11.1           4         152         16.6         10.2           5         16.2         20.2         22.2           2         2.2         2.2         2.2           2         2.2         2.2         3.3           4         155         5.7         5.4           5         4.5         5.7         4.5           5         4.5         5.7         4.5           6         6.3         6.3         6.7           8         10.8         13.3         10.7         8.13           6         10.0         16.6         7.2         2.0   | 3         3.           3         3.           5         5.           7         12.           7         12.           2         2           2         2           2         2           2         2           2         2           3         14           15.         7           7         17.7           2         2     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     3.6           5.4           7.2           9.0           10.8           12.6           14.4           16.2           18           22           32           36           40           43           47           50           61           65           68           72           90           108           144           180           216  | 4<br>4<br>6<br>8<br>10<br>12<br>14<br>16<br>18<br>20<br>24<br>24<br>30<br>32<br>36<br>30<br>32<br>36<br>30<br>32<br>23<br>6<br>6<br>40<br>44<br>44<br>85<br>256<br>60<br>60<br>64<br>80<br>72<br>76<br>80<br>100<br>120<br>120<br>200<br>220<br>220<br>220<br>220<br>220<br>22   | 4.5<br>6.8<br>9<br>11.3<br>13.5<br>15.8<br>15.8<br>20<br>23<br>27<br>32<br>34<br>36<br>41<br>45<br>50<br>54<br>45<br>59<br>63<br>68<br>68<br>72<br>77<br>81<br>86<br>63<br>68<br>72<br>77<br>81<br>135<br>59<br>90<br>113<br>135<br>52<br>20<br>225<br>2215   | 5<br>5<br>7.5<br>10<br>12.5<br>15<br>17.5<br>20<br>23<br>25<br>30<br>35<br>38<br>40<br>45<br>55<br>60<br>65<br>70<br>75<br>70<br>75<br>80<br>85<br>90<br>95<br>100<br>125<br>150<br>250<br>250<br>250<br>250<br>250<br>250<br>250<br>250<br>250<br>2   
   | 5.5<br>5.5<br>8.3<br>11<br>13,8<br>16,5<br>19,3<br>22<br>5<br>28<br>33<br>9<br>41<br>44<br>4<br>55<br>61<br>66<br>66<br>61<br>66<br>67<br>2<br>777<br>83<br>8<br>8<br>94<br>99<br>9105<br>110<br>138<br>165<br>52<br>61<br>62<br>62<br>72<br>777<br>83<br>8<br>8<br>94<br>99<br>92<br>05<br>220<br>220<br>220<br>2275<br>233<br>09<br>2275<br>238<br>232<br>232<br>232<br>232<br>232<br>232<br>232<br>232<br>232  | 6<br>6<br>9<br>9<br>122<br>15<br>18<br>21<br>24<br>27<br>30<br>36<br>42<br>45<br>48<br>45<br>48<br>54<br>460<br>666<br>672<br>78<br>884<br>90<br>90<br>90<br>102<br>108<br>112<br>108<br>112<br>108<br>102<br>108<br>102<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10<br>10 | 11<br>12<br>13<br>13<br>16<br>19<br>26<br>26<br>32<br>39  | 5         3 <td< th=""><th>14<br/>17.5<br/>21<br/>25<br/>32<br/>32<br/>35<br/>42<br/>49<br/>53<br/>56<br/>63<br/>70<br/>77<br/>84<br/>99<br/>105<br/>112<br/>119<br/>126<br/>133<br/>140<br/>175<br/>210<br/>228<br/>0<br/>228<br/>0<br/>235<br/>24<br/>24<br/>25<br/>28<br/>28<br/>28<br/>28<br/>28<br/>28<br/>28<br/>28<br/>28<br/>28</th><th>7.5<br/>7.5<br/>11.3<br/>15<br/>18.8<br/>22<br/>30<br/>34<br/>38<br/>45<br/>53<br/>66<br/>68<br/>75<br/>83<br/>90<br/>98<br/>105<br/>83<br/>99<br/>98<br/>105<br/>113<br/>120<br/>128<br/>135<br/>120<br/>128<br/>135<br/>150<br/>188<br/>225<br/>300<br/>375<br/>525</th><th>8<br/>8<br/>12<br/>16<br/>20<br/>24<br/>28<br/>32<br/>36<br/>6<br/>40<br/>48<br/>56<br/>64<br/>47<br/>2<br/>80<br/>88<br/>896<br/>104<br/>112<br/>128<br/>136<br/>104<br/>1122<br/>128<br/>136<br/>200<br/>240<br/>240<br/>240<br/>240<br/>240<br/>240<br/>240<br/>26<br/>26<br/>26<br/>27<br/>27<br/>28<br/>26<br/>27<br/>28<br/>26<br/>26<br/>27<br/>28<br/>26<br/>26<br/>27<br/>28<br/>26<br/>26<br/>27<br/>28<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>27<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26<br/>26</th><th>8.5<br/>8.5<br/>12.8<br/>17<br/>21<br/>26<br/>30<br/>34<br/>38<br/>43<br/>38<br/>43<br/>35<br/>1<br/>60<br/>64<br/>68<br/>57<br/>78<br/>59<br/>4<br/>102<br/>213<br/>162<br/>213<br/>162<br/>213<br/>265<br/>510<br/>0<br/>213<br/>340<br/>425<br/>510<br/>20<br/>50<br/>50<br/>50<br/>50<br/>50<br/>50<br/>50<br/>50<br/>50<br/>50<br/>50<br/>50<br/>50</th><th>18<br/>23<br/>27<br/>32<br/>36<br/>41<br/>45<br/>54<br/>63<br/>68<br/>87<br/>23<br/>81<br/>90<br/>99<br/>99<br/>99<br/>99<br/>81<br/>17<br/>126<br/>63<br/>545<br/>270<br/>225<br/>270<br/>3600<br/>225<br/>270<br/>540</th><th>10<br/>10<br/>15<br/>20<br/>25<br/>30<br/>35<br/>50<br/>60<br/>45<br/>50<br/>60<br/>45<br/>50<br/>60<br/>75<br/>80<br/>90<br/>90<br/>110<br/>110<br/>120<br/>130<br/>140<br/>150<br/>110<br/>130<br/>140<br/>250<br/>300<br/>250<br/>300<br/>200<br/>200<br/>200<br/>200<br/>200<br/>200<br/>200<br/>200<br/>20</th></td<> | 14<br>17.5<br>21<br>25<br>32<br>32<br>35<br>42<br>49<br>53<br>56<br>63<br>70<br>77<br>84<br>99<br>105<br>112<br>119<br>126<br>133<br>140<br>175<br>210<br>228<br>0<br>228<br>0<br>235<br>24<br>24<br>25<br>28<br>28<br>28<br>28<br>28<br>28<br>28<br>28<br>28<br>28  | 7.5<br>7.5<br>11.3<br>15<br>18.8<br>22<br>30<br>34<br>38<br>45<br>53<br>66<br>68<br>75<br>83<br>90<br>98<br>105<br>83<br>99<br>98<br>105<br>113<br>120<br>128<br>135<br>120<br>128<br>135<br>150<br>188<br>225<br>300<br>375<br>525  | 8<br>8<br>12<br>16<br>20<br>24<br>28<br>32<br>36<br>6<br>40<br>48<br>56<br>64<br>47<br>2<br>80<br>88<br>896<br>104<br>112<br>128<br>136<br>104<br>1122<br>128<br>136<br>200<br>240<br>240<br>240<br>240<br>240<br>240<br>240<br>26<br>26<br>26<br>27<br>27<br>28<br>26<br>27<br>28<br>26<br>26<br>27<br>28<br>26<br>26<br>27<br>28<br>26<br>26<br>27<br>28<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>27<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26<br>26 | 8.5<br>8.5<br>12.8<br>17<br>21<br>26<br>30<br>34<br>38<br>43<br>38<br>43<br>35<br>1<br>60<br>64<br>68<br>57<br>78<br>59<br>4<br>102<br>213<br>162<br>213<br>162<br>213<br>265<br>510<br>0<br>213<br>340<br>425<br>510<br>20<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50                   | 18<br>23<br>27<br>32<br>36<br>41<br>45<br>54<br>63<br>68<br>87<br>23<br>81<br>90<br>99<br>99<br>99<br>99<br>81<br>17<br>126<br>63<br>545<br>270<br>225<br>270<br>3600<br>225<br>270<br>540   
  | 10<br>10<br>15<br>20<br>25<br>30<br>35<br>50<br>60<br>45<br>50<br>60<br>45<br>50<br>60<br>75<br>80<br>90<br>90<br>110<br>110<br>120<br>130<br>140<br>150<br>110<br>130<br>140<br>250<br>300<br>250<br>300<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>200<br>20 |
|  | 7000<br>8000   | 112<br>128   
   | 126<br>144   | 16  | 0 1  
  | 46<br>67  | 167<br>190  | 175<br>200  | 189<br>216   
   | 196<br>224   | 232  | 210<br>240   | 21<br>24  | B 25  | 6 26   | 6 28   | 0   | 252<br>288   
  | 280<br>320   | 315<br>360  | 350<br>400  
  | 385<br>440  | 420<br>480   | 52  | :0 E   | 490<br>560   | 525<br>600   | 560<br>640   | 595<br>680  | 630<br>720  | 700<br>800  |
|  | 9000<br>10000  | 144<br>160   
   | 162<br>180   |   |  
  | 88<br>208   | 214<br>238  | 225<br>250  | 243<br>270   
   | 252<br>280   | 261<br>290   | 270<br>300   | 279<br>310  |   |  |  |   | 324<br>360   
  | 360<br>400   | 405<br>450  | 450<br>500  
  | 495<br>550  | 540<br>600   |   |  | 630<br>700   | 675<br>750   | 720<br>800   | 765<br>850  | 810<br>900  | 900<br>1000   |
| C  | onversion<br>Factor  |  
   | 55.5   | 5 50  | 04   
  | 7.6   | 41.7  | 40  | 37.0   
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  | 18.2  | 16.7   |   |  | 4.3  | 13.3   | 12.5   | 11.8  |   | 10  |
| F  | ormula   |  
   |  |   |  
  |   |   | L/10  | 0 m =  
   | = L/ha   | ÷ 100  | x rov  | vspa  | cing (I   | n)   |  |   | | |
  |  |   |   
  |   | L/ha   | 1 = L/  | /100   | m x  | 100 -  | ÷ rov  | /spac   | ing (m  | )   |
|  | 2  | 1  
   | 1.5  |   | 2.5  
  |   | <b>Trav</b><br>3.5  | el S  | <b>pee</b>   
   | d (kr<br>555   | <b>n/h)</b><br>.5 6  | 6.5  | <b>L</b> / <sub>7</sub>   | /1(<br>8  |  | <b>m</b><br>₀  |   | | |
  | <b>L/ľ</b><br>1.5  | nir<br>2 2.5  |   
  | <b>Trav</b><br>3.5  | <b>/el S</b><br>4  | <b>pee</b>  | e <b>d (l</b>  | <b>km/</b><br>5.5  |  | 6.5  | e unit  | = L/1   |   |
| چ Total Flow Rate of All Nozzles (L/min) | 2<br>2<br>4<br>5<br>6<br>7<br>8<br>8<br>9<br>10<br>11<br>11<br>13<br>14<br>15<br>16<br>16<br>16<br>16<br>22<br>24<br>24<br>24<br>24<br>24<br>24<br>24<br>24<br>24<br>24<br>24<br>24                                      | 78           84           90           102           102           102           114           120           121           122           132           144           120           144           120           144           120           144           120           144           120           144           120           144           120           144           120           144           120           144           144           120           144           120           144           144           144           144           144           144           144           144           144           144           144           144           144           144           145           144           145 <tr< th=""><th>8<br/>12<br/>16<br/>20<br/>24<br/>28<br/>32<br/>36<br/>40<br/>44<br/>48<br/>52<br/>56<br/>60<br/>64<br/>80<br/>64<br/>88<br/>96<br/>104<br/>112<br/>120<br/>128<br/>136<br/>144<br/>152<br/>120<br/>128<br/>136<br/>140<br/>142<br/>120<br/>120<br/>120<br/>120<br/>120<br/>120<br/>120<br/>12</th><th>6<br/>9<br/>12<br/>15<br/>15<br/>13<br/>30<br/>33<br/>36<br/>42<br/>45<br/>48<br/>51<br/>54<br/>54<br/>55<br/>7<br/>60<br/>66<br/>72<br/>78<br/>84<br/>57<br/>60<br/>66<br/>72<br/>78<br/>84<br/>102<br/>108<br/>102<br/>102<br/>102<br/>102<br/>102<br/>102<br/>103<br/>103<br/>114<br/>115<br/>115<br/>115<br/>115<br/>115<br/>115<br/>115<br/>115<br/>115</th><th>4.8<br/>7.2<br/>9.6<br/>12<br/>14.4<br/>16.8<br/>19.2<br/>22<br/>24<br/>26<br/>29<br/>31<br/>34<br/>36<br/>38<br/>40<br/>43<br/>46<br/>43<br/>43<br/>46<br/>48<br/>53<br/>58<br/>62<br/>67<br/>77<br/>72<br/>77<br/>82<br/>86<br/>67<br/>72<br/>77<br/>82<br/>86<br/>91<br/>91<br/>96<br/>101<br/>101<br/>110<br/>110<br/>110<br/>110<br/>110<br/>110<br/>110<br/>11</th><th>3           4           6           8           10           12           14           16           18           20           22           24           26           30           32           34           36           38           40           44           52           56           60           64           68           72           76           80           84           88           92           96           1000           104           108           1112           116</th><th>3.3<br/>3.4<br/>6.9<br/>8.6<br/>9<br/>8.6<br/>9<br/>10.3<br/>12<br/>13.7<br/>15.4<br/>17.1<br/>9<br/>21<br/>22<br/>24<br/>26<br/>27<br/>29<br/>21<br/>22<br/>24<br/>26<br/>27<br/>29<br/>31<br/>33<br/>34<br/>33<br/>34<br/>33<br/>41<br/>45<br/>55<br/>55<br/>58<br/>60<br/>972<br/>75<br/>79<br/>982<br/>866<br/>893<br/>999</th><th>3<br/>4.5<br/>6<br/>7.5<br/>9<br/>10.5<br/>12<br/>13.5<br/>15<br/>15<br/>17<br/>18<br/>20</th><th>2.7<br/>4<br/>5.3<br/>6.7<br/>8<br/>9.3<br/>10.7<br/>12<br/>13.3<br/>14.7<br/>16<br/>17.3<br/>18.7<br/>20<br/>21<br/>23<br/>22<br/>25<br/>27<br/>22<br/>23<br/>23<br/>55<br/>37<br/>40<br/>43<br/>45<br/>53<br/>56<br/>61<br/>64<br/>67<br/>72<br/>75</th><th><math display="block">\begin{array}{cccccccccccccccccccccccccccccccccccc</math></th><th>2       2         3       3         .4       4         .5       5         .5       6         .6       7         .7       8         .8       9         .0.9       10         2       11         3.1       12         .2       13         .3       14         .4       15</th><th>1.8<br/>2.8<br/>3.7<br/>4.6<br/>5.5<br/>6.5<br/>7.4<br/>8.3<br/>9.2<br/>10.2<br/>11.1<br/>12<br/>12.9<br/>13.8<br/>14.8<br/>15.7<br/>16.6<br/>17.5<br/>18.5<br/>22<br/>24<br/>26<br/>8<br/>30<br/>31<br/>33<br/>35<br/>5<br/>7,39<br/>41<br/>42<br/>44<br/>46<br/>48<br/>52<br/>52<br/>54</th><th>1.7<br/>2.6<br/>3.4<br/>4.3<br/>5.1<br/>6<br/>9.4<br/>10.3<br/>11.1<br/>12<br/>12.9<br/>13.7<br/>14.6<br/>15.4<br/>16.3<br/>17.1<br/>18.9<br/>21<br/>22<br/>24<br/>26<br/>27<br/>29<br/>31<br/>33<br/>4<br/>36<br/>38<br/>39<br/>41<br/>43<br/>45<br/>46<br/>50</th><th>1.5         2.3           3         3.8           4.5         5.3           6         6.8           7.5         8.3           9         9.8           10.5         11.3           12         12.8           13.5         14.3           15         15           14.3         15           24         24           26         27           23         30           32         33           35         36           38         39           41         42</th><th>1.3         1           2         1           2         1           2.7         2           3.3         4           4         2           4         2           4         2           4         2           4         2           4         2           5.3         4           6         5           6         5           8         7           7         8           8         7           8         7           8         7           8         7           8         7           10.7         5           112         1           113.3         1           114.7         1           116.7         1           117.3         1           118.7         1           118.7         1           123         2           225         2           231         3           322         3           335         3           337         3</th><th>.2         .8           .8         .4           .6         .2           .8         .4           .6         .2           .8         .4           .6         .2           .8         .2           .8         .2           .2         .2           .2         .2           .3         .2           .1         .1           .1.4         .1           .1.2         .1           .1.4         .1           .2         .2           .2         .2           .2         .2           .2         .2           .3.2         .1           .1.4         .1           .2         .2           .2         .2           .2         .2           .3.2         .1           .3.2         .1           .3.2         .2           .3.2         .2           .3.3         .2           .3.3         .2           .3.3         .2           .3.3         .2      .3.3         .2      .4.4</th><th>60       \$         662       \$         664       \$         774       \$         777       \$         777       \$         777       \$         777       \$         777       \$         777       \$         777       \$         778       \$         777       \$         778       \$ 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        3         240           2         260           3         340           3         240           3         340           3         340           3         340           3         340           3         360           3         400           3         400           3         400           3         400           3         <t< th=""><th>103           106           110           1117           120           123           127           130           134           137           146           163           171           189           206           223           240           257           274           291           309           326           343           377           411           446           600           686           771           1029           1200           1201           1371           1371</th><th>1200</th><th>80         83           85         88           99         91           93         96           999         101           104         107           113         120           127         133           147         160           173         187           200         213           227         240           253         2267           293         320           347         373           400         467           600         667           800         933           1067         203</th><th>72<br/>74<br/>77<br/>79<br/>82<br/>84<br/>86<br/>99<br/>91<br/>94<br/>94<br/>96<br/>102<br/>108<br/>114<br/>120<br/>102<br/>108<br/>114<br/>120<br/>102<br/>108<br/>114<br/>120<br/>102<br/>102<br/>108<br/>122<br/>204<br/>204<br/>204<br/>228<br/>228<br/>228<br/>228<br/>228<br/>228<br/>336<br/>360<br/>540<br/>600<br/>720<br/>840<br/>99<br/>90<br/>91<br/>91<br/>91<br/>94<br/>95<br/>91<br/>91<br/>94<br/>96<br/>91<br/>91<br/>94<br/>96<br/>91<br/>97<br/>96<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97</th><th>65         68           70         72           74         76           79         81           83         85           87         93           93         93           104         109           120         131           142         153           185         186           196         207           218         240           262         207           218         240           262         335           327         382           491         545           6555         764           873         873</th><th>6<br/>60<br/>62<br/>64<br/>66<br/>68<br/>70<br/>72<br/>74<br/>76<br/>78<br/>80<br/>85<br/>90<br/>95<br/>100<br/>110<br/>120<br/>130<br/>140<br/>150<br/>140<br/>150<br/>140<br/>150<br/>220<br/>220<br/>240<br/>260<br/>260<br/>300<br/>350<br/>500<br/>600<br/>70<br/>200<br/>200<br/>200<br/>200<br/>200<br/>200<br/>20</th><th>55           57           59           61           63           65           66           88           92           111           120           1111           120           1111           120           111           120           111           120           148           157           185           203           222           240           258           277           323           369           415           554           646           738</th><th>51<br/>53<br/>55<br/>57<br/>58<br/>60<br/>62<br/>63<br/>65<br/>67<br/>69<br/>94<br/>103<br/>111<br/>129<br/>137<br/>146<br/>154<br/>103<br/>111<br/>129<br/>137<br/>146<br/>154<br/>206<br/>223<br/>240<br/>257<br/>300<br/>2257<br/>300<br/>223<br/>343<br/>386<br/>429<br/>514<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60</th><th>0         2           45         4           445         4           47         4           48         4           47         4           48         4           47         4           48         4           48         4           40         50           4         50           4         50           4         51           4         51           4         53           4         56           4         56           53         4           56         6           57         5           56         6           68         6           71         6           75         6           75         6           75         6           90         8           90         8           90         8           90         8           9113         10           1128         11           1150         12           1165         14</th><th>0 36 37 37 38 38 37 38 38 38 38 38 38 38 38 38 38 38 38 38</th></t<></th></td<></th></tr<> | 8<br>12<br>16<br>20<br>24<br>28<br>32<br>36<br>40<br>44<br>48<br>52<br>56<br>60<br>64<br>80<br>64<br>88<br>96<br>104<br>112<br>120<br>128<br>136<br>144<br>152<br>120<br>128<br>136<br>140<br>142<br>120<br>120<br>120<br>120<br>120<br>120<br>120<br>12   | 6<br>9<br>12<br>15<br>15<br>13<br>30<br>33<br>36<br>42<br>45<br>48<br>51<br>54<br>54<br>55<br>7<br>60<br>66<br>72<br>78<br>84<br>57<br>60<br>66<br>72<br>78<br>84<br>102<br>108<br>102<br>102<br>102<br>102<br>102<br>102<br>103<br>103<br>114<br>115<br>115<br>115<br>115<br>115<br>115<br>115<br>115<br>115 | 4.8<br>7.2<br>9.6<br>12<br>14.4<br>16.8<br>19.2<br>22<br>24<br>26<br>29<br>31<br>34<br>36<br>38<br>40<br>43<br>46<br>43<br>43<br>46<br>48<br>53<br>58<br>62<br>67<br>77<br>72<br>77<br>82<br>86<br>67<br>72<br>77<br>82<br>86<br>91<br>91<br>96<br>101<br>101<br>110<br>110<br>110<br>110<br>110<br>110<br>110<br>11   
  | 3           4           6           8           10           12           14           16           18           20           22           24           26           30           32           34           36           38           40           44           52           56           60           64           68           72           76           80           84           88           92           96           1000           104           108           1112           116 | 3.3<br>3.4<br>6.9<br>8.6<br>9<br>8.6<br>9<br>10.3<br>12<br>13.7<br>15.4<br>17.1<br>9<br>21<br>22<br>24<br>26<br>27<br>29<br>21<br>22<br>24<br>26<br>27<br>29<br>31<br>33<br>34<br>33<br>34<br>33<br>41<br>45<br>55<br>55<br>58<br>60<br>972<br>75<br>79<br>982<br>866<br>893<br>999 | 3<br>4.5<br>6<br>7.5<br>9<br>10.5<br>12<br>13.5<br>15<br>15<br>17<br>18<br>20   | 2.7<br>4<br>5.3<br>6.7<br>8<br>9.3<br>10.7<br>12<br>13.3<br>14.7<br>16<br>17.3<br>18.7<br>20<br>21<br>23<br>22<br>25<br>27<br>22<br>23<br>23<br>55<br>37<br>40<br>43<br>45<br>53<br>56<br>61<br>64<br>67<br>72<br>75   
   | $\begin{array}{cccccccccccccccccccccccccccccccccccc$   | 2       2         3       3         .4       4         .5       5         .5       6         .6       7         .7       8         .8       9         .0.9       10         2       11         3.1       12         .2       13         .3       14         .4       15          | 1.8<br>2.8<br>3.7<br>4.6<br>5.5<br>6.5<br>7.4<br>8.3<br>9.2<br>10.2<br>11.1<br>12<br>12.9<br>13.8<br>14.8<br>15.7<br>16.6<br>17.5<br>18.5<br>22<br>24<br>26<br>8<br>30<br>31<br>33<br>35<br>5<br>7,39<br>41<br>42<br>44<br>46<br>48<br>52<br>52<br>54  | 1.7<br>2.6<br>3.4<br>4.3<br>5.1<br>6<br>9.4<br>10.3<br>11.1<br>12<br>12.9<br>13.7<br>14.6<br>15.4<br>16.3<br>17.1<br>18.9<br>21<br>22<br>24<br>26<br>27<br>29<br>31<br>33<br>4<br>36<br>38<br>39<br>41<br>43<br>45<br>46<br>50  | 1.5         2.3           3         3.8           4.5         5.3           6         6.8           7.5         8.3           9         9.8           10.5         11.3           12         12.8           13.5         14.3           15         15           14.3         15           24         24           26         27           23         30           32         33           35         36           38         39           41         42   | 1.3         1           2         1           2         1           2.7         2           3.3         4           4         2           4         2           4         2           4         2           4         2           4         2           5.3         4           6         5           6         5           8         7           7         8           8         7           8         7           8         7           8         7           8         7           10.7         5           112         1           113.3         1           114.7         1           116.7         1           117.3         1           118.7         1           118.7         1           123         2           225         2           231         3           322         3           335         3           337         3 | .2         .8           .8         .4           .6         .2           .8         .4           .6         .2           .8         .4           .6         .2           .8         .2           .8         .2           .2         .2           .2         .2           .3         .2           .1         .1           .1.4         .1           .1.2         .1           .1.4         .1           .2         .2           .2         .2           .2         .2           .2         .2           .3.2         .1           .1.4         .1           .2         .2           .2         .2           .2         .2           .3.2         .1           .3.2         .1           .3.2         .2           .3.2         .2           .3.3         .2           .3.3         .2           .3.3         .2           .3.3         .2      .3.3         .2      .4.4 | 60       \$         662       \$         664       \$         774       \$         777       \$         777       \$         777       \$         777       \$         777       \$         777       \$         777       \$         778       \$         777       \$         778       \$         777       \$         778       \$         777       \$         778       \$         777       \$         778       \$         777       \$         777       \$         778       \$         777       \$         778       \$         779       \$         700       \$         7000       \$         7000       \$         7000       \$         7000       \$         7000       \$         7000       \$         7000       \$         7000       \$         7000       \$         7000       \$ | 360         :           372         :           372         :           372         :           372         :           372         :           384         :           396         :           4408         :           420         :           421         :           422         :           432         :           510         :           550         :           570         :           660         :           720         :           780         :           840         :           900         :           960         :           1020         :           1200         :           1200         :           1200         :           1200         :           1200         :           1200         :           12000         :           12000         :           12000         :           12000         :           12000         : <td< th=""><th>2240         1.           2248         1.           2268         1.           2260         1.           2270         2.           2280         2.           2304         2.           2304         2.           2312         2.           23300         2.           23400         2.           3380         2.           3380         2.           3380         2.           3550         4.           6600         4.           6600         4.           6880         6.           6880         6.           9960         7.           7040         7.           7040         7.           7120         8.           7200         11.           7200         11.           7200         11.           7200         7.           7300         7.           74400         11.           7200         7.           7300         7.           74400         11.           7200         7.           7</th><th>800         144           866         1454           866         1454           866         1454           867         1454           804         1453           101         1613           112         1717           122         1747           123         183           12428         183           183         2240           1840         200           1840         200           1840         200           1840         200           1840         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2150         2144</th><th>4         120           9         124           4         128           4         128           3         132           3         132           3         134           3         144           3         144           2         152           7         156           8         190           2         260           3         244           2         260           3         240           2         260           3         200           3         244           3         244           4         220           3         240           2         260           3         340           3         240           3         340           3         340           3         340           3         340           3         360           3         400           3         400           3         400           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     130           134           137           146           163           171           189           206           223           240           257           274           291           309           326           343           377           411           446           600           686           771           1029           1200           1201           1371           1371</th><th>1200</th><th>80         83           85         88           99         91           93         96           999         101           104         107           113         120           127         133           147         160           173         187           200         213           227         240           253         2267           293         320           347         373           400         467           600         667           800         933           1067         203</th><th>72<br/>74<br/>77<br/>79<br/>82<br/>84<br/>86<br/>99<br/>91<br/>94<br/>94<br/>96<br/>102<br/>108<br/>114<br/>120<br/>102<br/>108<br/>114<br/>120<br/>102<br/>108<br/>114<br/>120<br/>102<br/>102<br/>108<br/>122<br/>204<br/>204<br/>204<br/>228<br/>228<br/>228<br/>228<br/>228<br/>228<br/>336<br/>360<br/>540<br/>600<br/>720<br/>840<br/>99<br/>90<br/>91<br/>91<br/>91<br/>94<br/>95<br/>91<br/>91<br/>94<br/>96<br/>91<br/>91<br/>94<br/>96<br/>91<br/>97<br/>96<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97</th><th>65         68           70         72           74         76           79         81           83         85           87         93           93         93           104         109           120         131           142         153           185         186           196         207           218         240           262         207           218         240           262         335           327         382           491         545           6555         764           873         873</th><th>6<br/>60<br/>62<br/>64<br/>66<br/>68<br/>70<br/>72<br/>74<br/>76<br/>78<br/>80<br/>85<br/>90<br/>95<br/>100<br/>110<br/>120<br/>130<br/>140<br/>150<br/>140<br/>150<br/>140<br/>150<br/>220<br/>220<br/>240<br/>260<br/>260<br/>300<br/>350<br/>500<br/>600<br/>70<br/>200<br/>200<br/>200<br/>200<br/>200<br/>200<br/>20</th><th>55           57           59           61           63           65           66           88           92           111           120           1111           120           1111           120           111           120           111           120           148           157           185           203           222           240           258           277           323           369           415           554           646           738</th><th>51<br/>53<br/>55<br/>57<br/>58<br/>60<br/>62<br/>63<br/>65<br/>67<br/>69<br/>94<br/>103<br/>111<br/>129<br/>137<br/>146<br/>154<br/>103<br/>111<br/>129<br/>137<br/>146<br/>154<br/>206<br/>223<br/>240<br/>257<br/>300<br/>2257<br/>300<br/>223<br/>343<br/>386<br/>429<br/>514<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60</th><th>0         2           45         4           445         4           47         4           48         4           47         4           48         4           47         4           48         4           48         4           40         50           4         50           4         50           4         51           4         51           4         53           4         56           4         56           53         4           56         6           57         5           56         6           68         6           71         6           75         6           75         6           75         6      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7.           74400         11.           7200         7.           7300         7.           74400         11.           7200         7.           7 | 800         144           866         1454           866         1454           866         1454           867         1454           804         1453           101         1613           112         1717           122         1747           123         183           12428         183           183         2240           1840         200           1840         200           1840         200           1840         200           1840         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2141         200           2150         2144 | 4         120           9         124           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        240           257           274           291           309           326           343           377           411           446           600           686           771           1029           1200           1201           1371           1371</th><th>1200</th><th>80         83           85         88           99         91           93         96           999         101           104         107           113         120           127         133           147         160           173         187           200         213           227         240           253         2267           293         320           347         373           400         467           600         667           800         933           1067         203</th><th>72<br/>74<br/>77<br/>79<br/>82<br/>84<br/>86<br/>99<br/>91<br/>94<br/>94<br/>96<br/>102<br/>108<br/>114<br/>120<br/>102<br/>108<br/>114<br/>120<br/>102<br/>108<br/>114<br/>120<br/>102<br/>102<br/>108<br/>122<br/>204<br/>204<br/>204<br/>228<br/>228<br/>228<br/>228<br/>228<br/>228<br/>336<br/>360<br/>540<br/>600<br/>720<br/>840<br/>99<br/>90<br/>91<br/>91<br/>91<br/>94<br/>95<br/>91<br/>91<br/>94<br/>96<br/>91<br/>91<br/>94<br/>96<br/>91<br/>97<br/>96<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97<br/>97</th><th>65         68           70         72           74         76           79         81           83         85           87         93           93         93           104         109           120         131           142         153           185         186           196         207           218         240           262         207           218         240           262         335           327         382           491     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738</th><th>51<br/>53<br/>55<br/>57<br/>58<br/>60<br/>62<br/>63<br/>65<br/>67<br/>69<br/>94<br/>103<br/>111<br/>129<br/>137<br/>146<br/>154<br/>103<br/>111<br/>129<br/>137<br/>146<br/>154<br/>206<br/>223<br/>240<br/>257<br/>300<br/>2257<br/>300<br/>223<br/>343<br/>386<br/>429<br/>514<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60<br/>60</th><th>0         2           45         4           445         4           47         4           48         4           47         4           48         4           47         4           48         4           48         4           40         50           4         50           4         50           4         51          
4         51           4         53           4         56           4         56           53         4           56         6           57         5           56         6           68         6           71         6           75         6           75         6           75         6           90         8           90         8           90         8           90         8           9113         10           1128         11           1150         12           1165         14</th><th>0 36 37 37 38 38 37 38 38 38 38 38 38 38 38 38 38 38 38 38</th></t<> | 103           106           110           1117           120           123           127           130           134           137           146           163           171           189           206           223           240           257           274           291           309           326           343           377           411           446           600           686           771           1029           1200           1201           1371           1371 | 1200   | 80         83           85         88           99         91           93         96           999         101           104         107           113         120           127         133           147         160           173         187           200         213           227         240           253         2267           293         320           347         373           400         467           600         667           800         933           1067         203 | 72<br>74<br>77<br>79<br>82<br>84<br>86<br>99<br>91<br>94<br>94<br>96<br>102<br>108<br>114<br>120<br>102<br>108<br>114<br>120<br>102<br>108<br>114<br>120<br>102<br>102<br>108<br>122<br>204<br>204<br>204<br>228<br>228<br>228<br>228<br>228<br>228<br>336<br>360<br>540<br>600<br>720<br>840<br>99<br>90<br>91<br>91<br>91<br>94<br>95<br>91<br>91<br>94<br>96<br>91<br>91<br>94<br>96<br>91<br>97<br>96<br>97<br>97<br>97<br>97<br>97<br>97<br>97<br>97<br>97<br>97<br>97<br>97<br>97  | 65         68           70         72           74         76           79         81           83         85           87         93           93         93           104         109           120         131           142         153           185         186           196         207           218         240           262         207           218         240           262         335           327         382           491         545           6555         764           873         873 | 6<br>60<br>62<br>64<br>66<br>68<br>70<br>72<br>74<br>76<br>78<br>80<br>85<br>90<br>95<br>100<br>110<br>120<br>130<br>140<br>150<br>140<br>150<br>140<br>150<br>220<br>220<br>240<br>260<br>260<br>300<br>350<br>500<br>600<br>70<br>200<br>200<br>200<br>200<br>200<br>200<br>20 | 55           57           59           61           63           65           66           88           92           111           120           1111           120           1111           120           111           120           111           120           148           157           185           203           222           240           258           277           323           369           415           554           646           738   | 51<br>53<br>55<br>57<br>58<br>60<br>62<br>63<br>65<br>67<br>69<br>94<br>103<br>111<br>129<br>137<br>146<br>154<br>103<br>111<br>129<br>137<br>146<br>154<br>206<br>223<br>240<br>257<br>300<br>2257<br>300<br>223<br>343<br>386<br>429<br>514<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60<br>60 | 0         2           45         4           445         4           47         4           48         4           47         4           48         4           47         4           48         4           48         4           40         50           4         50           4         50           4         51           4         51           4         53           4         56           4         56           53         4           56         6           57         5           56         6           68         6           71         6           75         6           75         6           75         6           90         8           90         8           90         8           90         8           9113         10           1128         11           1150         12           1165         14 | 0 36 37 37 38 38 37 38 38 38 38 38 38 38 38 38 38 38 38 38  |



## Total Flow (L/min) $\leftrightarrow$ Single Nozzle Flow (L/min)

To obtain single nozzle flow rates simply divide the total flow/min by the number of nozzles per row. For example, having 24 nozzles per row and spraying 36 L/min requires a nozzle size that delivers a flow rate 1.5 L/min. Formula: total output L/min = no of nozzles x single nozzle output  $\bullet$  single nozzle output = total output  $\div$  no of nozzles

## **NOZZLE SELECTION**

# HORTICULTURE

## ALBUZ ATR 80°

	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
C AZ-ATR-**-800	2		
** DENOTES COLOUR, E.G.	14.00 <b>YW</b>	15.40	С
<ul> <li>Hollow cone 80°</li> <li>Precision-polished pink ceramic surfaces</li> <li>Easily dismantled for cleaning</li> </ul>	for long life	PRESSURE RANGE	SPRAY PATTERN
<ul> <li>Perfect sealing of swirl chamber for preci</li> <li>Pressure range 0–25 bar (optimum 8–15)</li> </ul>		4 20- 0 24	



- 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°

		\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.	
. 80	AZ-ATR-**-60C				
Con	** DENOTES COLOUR, E.G. YW	14.00	15.40	С	
<ul> <li>Hollow cone 60° in 80°)</li> </ul>	(note – white and purple only	available	PRESSURE	SPRAY PATTERN	
<ul><li> Precision-polishe</li><li> Easily dismantled</li></ul>	d pink ceramic surfaces for lo for cleaning swirl chamber for precise flow	٦ آ	8 <sup>12</sup> 16 4 20 0 24		

- 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 TV	I			
		\$ (EX. GST) \$	(INC. GST)	PROD. CAT.
	AZ-TVI-****-80C			
	**** DENOTES	31.00	34.10	С
	SIZE, SEE TABLE TO THE RIGHT			
	ow cone nozzle (venture system		ESSURE	SPRAY PATTERN
<b>U</b> 1	with air for drift control d pink ceramic surfaces	·		
Compact length (	19mm)	4	20 -	
0	swirl chamber for precise flow	rate 1	0 24	Verseey
Ideal for fungicide				
<ul> <li>Coarse to ultra-co</li> <li>ISO colour coding</li> </ul>	arse droplets for drift control	[]=;	25 BAR	80°

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

						./MIN					
Bar	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

## SPRAY QUALITY INFORMATION FOR TVI NOZZLES

				TVI	80°			
Bar	Purple 80-0050	Pink 80-0075	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	UC
10	XC	VC	XC	XC	XC	XC	UC	UC
15	VC	C	VC	VC	VC	XC	UC	UC

## **ALBUZ TVI 80° HOLLOW CONE NOZZLE CHART**

				L/M	IN			
Bar	Purple 80-0050	Pink 80-0075	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	2.07
6	-	0.42	0.57	0.85	1.13	1.41	1.70	2.26
7	0.31	0.46	0.61	0.92	1.22	1.53	1.83	2.44
8	0.33	0.49	0.65	0.98	1.31	1.63	1.96	2.61
9	0.35	0.52	0.69	1.04	1.39	1.73	2.08	2.77
10	0.37	0.55	0.73	1.10	1.46	1.83	2.19	2.92
11	0.38	0.57	0.77	1.15	1.53	1.91	2.30	3.06
12	0.40	0.60	0.80	1.2	1.6	2.00	2.40	3.20
13	0.42	0.62	0.83	1.25	1.67	2.08	2.50	3.33
14	0.43	0.65	0.86	1.30	1.73	2.16	2.59	3.46
15	0.45	0.67	0.89	1.34	1.79	2.24	2.68	3.58
16	0.46	0.69	0.92	1.39	1.85	2.31	2.77	3.70
17	0.48	0.71	0.95	1.43	1.90	2.38	2.86	3.81
18	0.49	0.73	0.98	1.47	1.96	2.45	2.94	3.92
19	0.50	0.75	1.01	1.51	2.01	2.52	3.02	4.03
20	0.52	0.77	1.03	1.55	2.07	2.58	3.10	4.13
21	0.53	0.79	1.06	1.59	2.12	2.65	3.17	4.23
22	0.54	0.81	1.08	1.62	2.17	2.71	3.25	4.33
23	0.55	0.83	1.11	1.66	2.22	2.77	3.32	4.43
24	0.57	0.85	1.13	1.70	2.26	2.83	3.39	4.53
25	0.58	0.87	1.15	1.73	2.31	2.89	3.46	4.62



5–25 BAR

80°



## **KEY FEATURES**

- 1. Narrow-angle horticultural flat-fan venturi nozzle designed specifically for horticultural applications
- 2. All-wearing components made from high-quality ceramic material ideal for reducing wear when using abrasive powders and granulated formulations in suspension
- 3. ISO colour coded for easy identification
- 4. Coarse to extra-coarse droplet for effective drift reduction, even at high pressure
- 5. High droplet speed for good projection and excellent penetration over a wide pressure range

## **TURBODROP® NARROW ANGLE AI**

		\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
	TDCFFC60**UNI	43.00	47.30	С
<ul> <li>High-pressure air-in</li> <li>20, 40 and 60° optic</li> </ul>			PRESSURE	SPRAY PATTERN
<ul> <li>Fully ceramic inject</li> <li>Pressure range 6–2</li> <li>Modular construction</li> </ul>	5 bar		8 12 16 4 20 0 24	
			6-25 BAR	80°

- 6. European JKI approved for up to 90% drift reduction
- 7. Axial-type air-blast fans for specific applications (i.e. HiCane application in kiwifruit)
- 8. Top nozzles on airblast fans to reduce drift in upper canopies
- 9. Croplands Quantum Mist sprayers for early season spray applications to reduce drift and improve coverage on tree branches, buds and vine cordons

## NOZZLE SIZE (ISO COLOUR CODED) AND OUTPUT

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**

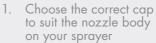
# **BODIES & CAPS**

## **KEY FEATURES**

- 1. Caps for use with TurboDrop®
- Al 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





- The TurboDrop<sup>®</sup> 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)	\$ (INC. GST)	PROD. CAT.
B716.617.2 (STANDARD TYPE)	Croplands Cropliner® sprayers, Silvan models and other brands	B716.605.3	Brass cap	B716.605.3	2.80	3.08	В
B73.610.105 (ORGANIC TYPE)	Croplands Cropliner® sprayers for organic spraying	B716.605.3	Brass cap	B716.605.3	2.80	3.08	В
B75.617.10F (STANDARD TYPE)	Croplands Cropliner® and Cropliner SP® front entry fan models	B75.605.46	Brass cap	B75.605.46	2.80	3.08	В
B264.612.172	Croplands Quantum Mist® sprayers	B256.605.7	Nickel plated cap	B256.605.7	2.80	3.08	В
B67.617.67	Croplands Quantum Mist® tower sprayers	B256.605.7	Nickel plated cap	B256.605.7	2.80	3.08	В
O-RINGS TO SEAL THE CAPS ON ALL LISTED NOZZLE BODIES ABOVE	Croplands Quantum Mist® sprayers	B73.602.22	0-ring, 16mm 0.D. x 10.8 l.D	B73.602.22	0.60	0.66	В

## PRICING FOR NOZZLE BODIES SHOWN IN TABLE ABOVE

DESCRIPTION	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
Standard swing-over nozzle body, suits Croplands Cropliner sprayers	57.00	62.70	В
Organic model swing-over nozzle body, suits Croplands Cropliner sprayers for organic applications	47.00	51.70	В
Swing-over nozzle body for Croplands front-entry fan models	54.00	59.40	В
Single-swivel nozzle body for Croplands Quantum Mist® sprayers	15.00	16.50	В
Non-drip body with shut off for Croplands Quantum ${\sf Mist}^{\otimes}$ sprayers	69.00	75.90	В
-	Standard swing-over nozzle body, suits Croplands Cropliner sprayers         Organic model swing-over nozzle body, suits Croplands Cropliner sprayers for organic applications         Swing-over nozzle body for Croplands front-entry fan models         Single-swivel nozzle body for Croplands Quantum Mist® sprayers	Standard swing-over nozzle body, suits Croplands Cropliner sprayers       57.00         Organic model swing-over nozzle body, suits Croplands Cropliner sprayers for organic applications       47.00         Swing-over nozzle body for Croplands front-entry fan models       54.00         Single-swivel nozzle body for Croplands Quantum Mist® sprayers       15.00	Standard swing-over nozzle body, suits Croplands Cropliner sprayers57.0062.70Organic model swing-over nozzle body, suits Croplands Cropliner sprayers for organic applications47.0051.70Swing-over nozzle body for Croplands front-entry fan models54.0059.40Single-swivel nozzle body for Croplands Quantum Mist® sprayers15.0016.50

## **NOZZLE SELECTION**

## **CROPLANDS**

# **DISCS & CORES**

## **NOZZLES - DISCS AND CORES**

NOZZLE	TYPE AND DESCRIPTION	SAMPLE ORDER CODE	TYPE	SIZE RANGE, MATERIAL	\$ (EX. GST)	\$ (INC. GST)	PROD. CAT.
	Disc and Core Jets: • Full and hollow cone spray patterns	AZ-AD*	Disc	<ul><li>1 to 7</li><li>Pink ceramic</li></ul>	6.00	6.60	С
(+185)	<ul> <li>Medium to fine droplets for use in air assisted situations</li> <li>5–20 bar recommended range</li> </ul>	AZ-AC**	Core	<ul><li>13 to 56</li><li>Pink ceramic</li></ul>	11.00	12.10	C

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

	DISC SIZE	CORE SIZE	ORIFICES				L/MIN				ANG	GLES
_	DISC SIZE	CONE SIZE	DIAMETER	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°
		40.50	0.1	E 11	E 00	0.40	0.00	0.70	10.54	10	500	49°
	AD 6	AC 56	2,1	5,11	5,82	6,43	6,98	8,78	10,54	12	56°	49

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## **ERMS & CONDITIONS OF SALE**

Croplands Equipment Pty Ltd (ACN 006 450 184) and its subsidiaries ("Croplands") hereby agrees with you that, unless expressly amended in writing by Croplands, these Terms comprise the only terms for the supply and sale of goods by Croplands to you and supersed all other terms, conditions or agreements between us and without further notice, will apply to all future transactions between Croplands and you. These Terms override anything that may be implied or expressed on your orders or your own documentation. In these Terms: "goods" means all agricultural products, machinery or services supplied to you by Croplands; "you" means Croplands' customer. If you are more than one, these Terms bind each of you jointly and severally. 1. QUOTES

- A quote by Croplands is an invitation to you to do business with Croplands, it is not an offer. A quote will remain valid for seven (7) business days from the date of the quote, after which time it may be altered or withdrawn without any (a) notice to you.
- Any alteration to a quote will be effective only if it is in writing and altered by Croplands. (b)

#### 2. ACCEPTANCE

Your order(s) will be accepted by Croplands either when Croplands communicates its acceptance to you, or when Croplands takes steps to fill your order, irrespective of whether those steps are communicated to you. Croplands' acceptance of monies, however paid to it, will not constitute an acceptance of your order. Croplands may, in its sole discretions, without any liability to you, cancel any accepted order at any time.

- 3. WARRANTIES
- Any provisions or rights under the Competition and Consumer Act 2010 or (a) Any provisions or rights under the Competition and Consumer Act 2010 or relevant state legislation which cannot be excluded by those statutes or by law are not intended to be excluded by these Terms. All warranties guarantees and conditions, other than those expressly stated in these Terms and whether implied by statute, common law, custom or otherwise are to the extent that the law permits, expressly excluded. If you have acquired goods as a Consumer, these conditions of sale shall not exclude, limit, restrict or modify the rights, entitlements and remedies conferred upon you or the liabilities imposed upon you, by any condition or warranty implied, by the commonwealth, state or peritory and conditions or devine you or the liabilities exclusion. Imitation yes, by drive contained warden with the provided or prohibiting such exclusion, limitation, restriction or modification. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. amount to a major failure.
- You accept all risk and responsibility for consequences arising from the use of the goods whether singly or in combination with other products. (b)
- Any liability incurred by us to you is limited to the replacement or repair of the goods or (at our option) refund of the price paid by you, for a period of 12 months from the date of sale, provided the goods have not been damaged through misuse or handling and in particular does not extend to consequential loss. (c
- To make a claim under this warranty, you can contact us on sales@croplands.com.au, or call 1800-999-162, or contact their local Croplands Representative listed on the www.croplands.com.au/pages/contact.html website. The Buyer should specify the full particulars of such claim and wherever possible return a sufficient part of the goods to enable a proper examination by the Seller. (d)
- Any advice, recommendation, information, assistance or service provided by (e) Cróplands in relation to the goods or their use or application is given in good faith, is believed by Croplands to be reliable, but is provided with an express disclaimer for any liability or responsibility on the part of Croplands.

#### PRICES Δ

- All prices unless otherwise stated are expressed in Australian currency and exclude the costs of delivery. (a)
- Notwithstanding any price contained in your order form or other document submitted by you, the price(s) charged to you, subject to clause 1, shall be the price(s) ruling as at the date of delivery. Any price indications or price lists are subject to alteration by Croplands from to time to reflect price(s) ruling as at the date of delivery. (b) date of delivery.
- If any statutory charge, duty, impost or tax (including GST)("charge") is levied in respect of the goods and that charge has not been allowed for by Croplands in calculating the price or when raising an invoice, then you must pay that charge and the price for the goods will increase accordingly. Croplands may ask you to pay the whole or any part of the price for the goods at any time prior to delivery, as Croplands considers appropriate. (c)
- (d)
- Croplands may change the price for the goods at any time. (e)

## DELIVERY OF THE GOODS

- You must pay all costs of freight, delivery and unloading the goods and you must reimburse Croplands for all costs, which it incurs on your behalf in this regard. You will pay any additional charges incurred by Croplands if you direct it to deliver the goods at times or to addresses different from those specified in your (a)
- (b)order as accepted by Croplands.
- You will accept delivery of the goods when they are delivered to the address on (c) vour order.
- If you fail to accept delivery of the goods, Croplands may deliver them to a place of storage nominated by you or, failing such nomination, to a place determined by Croplands. Delivery in this way will be deemed to be delivery of the goods to you. You be liable for all costs incurred by Croplands for storage, detention, double cartage or similar causes if these costs are caused by your inability or failure to accept the good (d) failure to accept the goods upon delivery. RISK AND INSURANCE

### 6.

- You assume all risk in the goods (including consigned goods) upon delivery, even if you have not signed a receipt for the goods. (a)
- You must insure the goods so that your insurance is effective immediately upon receipt of delivery of the goods. (b)

## DELAYS

Whilst Croplands will make reasonable efforts to deliver the goods to you by your requested delivery date(s), it will be under no liability whatsoever if delivery is not made on the date(s) requested. You agree that your requested delivery date is an estimate only. Croplands shall not be liable for any delayed or non-delivery of goods.

## FORCE MAJEURE

- If Croplands is unable to deliver the goods because of any acts of god, wars, insurrection or other significant internal disturbance, fire, floods, accidents, breakdowns of plant or machinery, unavailability of or delays in shipping, transport strikes, lock-outs of workers, shortages or other default by suppliers of fuel, power or raw material, priority for supplies claimed by the Federal or State Governments of the Commonwealth of Australia or any overseas government, or any other similar happening or event ("force majeure"), then:-(a)
  - you will not be entitled to make any claim against Croplands for any delay in the manufacture or delivery of the goods ordered;
  - whilst the delay continues, after 90 days of delay, Croplands and you will each have the option to cancel any orders. ii.
- Subject to Clause 8(a), you may not cancel any order or any part of it for any other reason without Croplands' prior consent in writing. (b)
- Croplands may consent to your proposed cancellation of any order or any part of it if you pay to Croplands what it considers to be a fair and reasonable amount to fully compensate it for any costs, expenses, loss of profit and consequential damage that it may have incurred or may suffer because of the cancellation. (c) PAYMENT
- Subject always to clause 9(c) herein, all goods you order from Croplands will be paid for within 20 days of the last day of the month in which the goods are invoiced. Time for such payment will be the essence of these Terms. (a)
- You must pay for the goods invoiced when the invoice is due for payment, even if you have not received all of the goods on that invoice. (b)
- Croplands' express or implied approval of a credit facility in your favour may be revoked at any time, without any reason being given. (c)
- If you become an insolvent pursuant to any of the provisions of the Corporations (d) Act 2001 or the Bankruptcy Act 1966 or similar law or statute, all amounts then owing by you to Croplands, whether or not those amounts are then due under clause 9(a), will immediately become due and payable.
- If you fail to pay any amounts due as required, then:-(e)
  - In addition to the invoiced amounts, and without prejudice to any of Croplands' other rights and remedies :-
  - You must pay interest on all amounts due and payable to Croplands at the rate equal to the target cash rate of the Reserve Bank of Australia plus 5% at the time the relevant amounts fall due, calculated from the date that each amount you owe Croplands becomes due and payable; interest will continue to accrue until all the monies you owe are received in cleared burde burde burdes and the second seco A. funds by Croplands.
  - You must indemnify Croplands for all loss and damage it incurs because of your failure to pay all amounts due to it by the due date(s); В
  - You must indemnify Croplands for all costs, loss and damage it incurs in taking possession of the whole or part of the goods and reselling them or by any other reason, if that loss and damage is the result of your conduct; С
  - You must pay interest on all loss and damage suffered by Croplands at the rate set out in sub-clause 9(e)(i)(A) as a result of your conduct or your breach of these Terms;
  - You must pay all costs, charges and expenses ("costs") incurred by Croplands in enforcing or attempting to enforce any of its rights under these Terms (including recovering any loss and damage or unpaid amounts). In the case of legal costs, you will pay Cropland's legal costs on an indemnity basis; and E.
  - Indemnity basis; and You must deliver up the goods to Croplands immediately upon receipt of a demand in writing from Croplands to this effect. If you do not comply with the demand within one (1) business day of receipt of the demand, you authorise Croplands to enter upon your premises (whether owned or leased) at any time to do all things necessary to take possession of the goods. You must pay all costs of and incidental to Croplands' exercise of its rights under this clause on the basis set out in clause 9(e)(i)(E). F.
- (f)
- rights under this clause on the basis set out in clause 9(e)(i)(E). You authorise Croplands to apply any payments received from you first to satisfy interest which may have accrued on the amounts you owe it, next to any legal or other costs Croplands may have incurred in recovering the amount(s) from you, and then only to the principal amount. If you are involved in any dispute with Croplands, you must still pay all amounts due to Croplands. You must not withhold payment, set off or "contra" any amounts that you owe Croplands because of any claims that you may have, whether on account of your supply of goods, to Croplands, damages or other allegation against Croplands. (g) allegation against Croplands. 10. RETENTION OF TITLE

- Subject to clause 10(b), and unless otherwise notified in writing, you are (a) authorised to sell or use the goods if it is in the ordinary course of your business to do so.
- Until full payment in cleared funds is received by Croplands for all goods sold by it to you, and any other amounts owing to Croplands are paid title and property in the goods will remain vested in Croplands and will not pass to you; (b)
  - you must hold the goods as fiduciary bailee and agent for Croplands; and you must keep all goods supplied and delivered to you by Croplands separate from your and other property, and in a manner to enable Croplands' goods to be identified. Ш.
- If you sell, dispose of or use the goods before full payment in cleared funds is made to Croplands, until such full payment is made, you will hold all monies resulting from such sale, disposal or use on trust for Croplands in a separate account. You must not mix the monies you hold on trust for Croplands with your or any other monies and you must specifically identify relevant trust monies in your accounts as Croplands' property.
- If you combine or incorporate the goods with other goods (not being the property of Croplands) before full payment in cleared funds is made to Croplands, so that (d) Croplands' goods become mixed with goods of others, you authorise Croplands to dismantle and remove its goods from the other goods, if such dismantling or removal is possible without destroying the goods, yours or others' goods.
- If you combine the proceeds of sale of the goods with other money in your bank account before you pay Croplands for the goods, you must expressly hold those proceeds on trust for Croplands and you hereby authorise (e) Croplands to trace and receive those proceeds ahead of all other creditors, including secured creditors.
- Croplands shall have a lien on any of your goods if you owe it money for goods (f) sold and delivered to you, or if you owe it money for any loss and damage that you have caused to Croplands.

## 11. ASSIGNMENT OF DEBT

- In consideration of Croplands' agreement to supply the goods to you on these Terms, and Croplands' undertaking to reimburse to you all of your profit in (a) respect of the goods or any end product manufactured or cultivated with the goods ("end product"), you hereby assign to Croplands the whole of proceeds of the sale of the goods or end product to your customers, including any insurance proceeds payable to you in respect of your insurance of the goods or end product, immediately that the goods or any end product are either sold to your customers, or damaged or destroyed, whichever appropriate ("the goods"). ("the assigned debt").
- The assignment to Croplands in clause 11(a) above will be effected simultaneously with and automatically upon the sale of the goods, or any (b) end product, to your customers.
- Notwithstanding the assigned debt, Croplands will always be entitled to sue you for the price of the goods if you do not pay for them when payment is due.
- you for the price of the goods it you do not pay for them when payment is due. If any part of the assigned debt is paid to or received by you, you acknowledge and declare that you receive and hold the assigned debt upon trust for Croplands, that you will not deal with or treat that receipt as part of your own money and will forthwith pay it to Croplands. Croplands will have the right to trace the assigned debt you receive from your customers to your bank account, even if those monies become mixed with other monies in your account (d)
- You promise that you will execute any documents, do any acts or other things that Croplands may reasonably require you to do to further or more perfectly transfer the assigned debt to Croplands.
- You will deliver possession and control of any documentation relating to or proving the assigned debt to Croplands upon Croplands' request, and Croplands jointly with you will be responsible for the management and collection of the assigned debt from that time on. (f)
- You promise that immediately upon effecting each and every sale of the goods (g) or end product to your customers, you will (at Croplands' request) do all things necessary to inform your customers of the form and substance of this assignment, and further, do all things necessary to enable Croplands to collect the assigned debt from your customers.

## 12. PERSONAL PROPERTIES SECURITY ACT 2009 (PPSA)

- In this clause 12, unless otherwise defined in these Terms, capitalised expressions (a) have the meaning given to them in the PPSA.
- You acknowledge and agree that by entering into a contract of sale under these Terms, you grant a Security Interest to Croplands in the goods and any proceeds of sale in respect to those goods and also consent to Croplands registering any one or more Financing Statements or Financing Change Statements in respect to (b) any such Security Interest created by or contemplated by these Terms.
- You and Croplands agree for the purposes of satisfying s20(1)(iii) of the PPSA, that the description of goods as shown on any invoice from Croplands is the (c) subject of each and any Security Interest created under these terms and such and every invoice is incorporated into these Terms.
- You agree that you are the Grantor and Croplands is the holder of a Purchase (d)
- (e
- (f)
- You agree that you are the Grantor and Croplands is the holder of a Purchase Money Security Interest (PMSI) by virtue of these Terms or the PPSA. You agree that the following provisions of the PPSA will not apply to these Terms: Sections 95, 96, 125, 129, 130, 132(3)(d), 132(4), 135, 142 and 143. Unless otherwise agreed in writing with Croplands, you agree to waive your rights to receive a verification statement in accordance with s157 of the PPSA. For the purposes of s275(6) of the PPSA, you and Croplands agree that neither party will, or is entitled to, disclose information of the kind specified in s 275(1) of the PPSA. (g) of the PPSA.
- You agree with Croplands that it will not enter into any agreement or arrangement which permits any other person to register any Security Interest in respect to unpaid goods, proceeds of sale of unpaid goods or any accounts owed in respect of the unpaid goods without Croplands' consent. (h)
- You agree to give Croplands at least 10 days prior written notice before changing any of your corporate details, such as your name, ABN or ACN, or principle place (i) of business.
- You agree to unconditionally ratify any actions taken by Croplands under this (i) clause 9.
- You agree to reimburse Croplands for all costs and/or expenses incurred or payable by Croplands in relation to registering, maintaining or releasing any Financing Statement or Financing Change Statement under these terms. (k)
- This clause 9 will survive the termination of the contract for sale and purchase of goods between you and Croplands to the extent permitted by law. (I)

## 13. CLAIMS AND RETURNS

- You must inspect the goods immediately on delivery and must, no later than seven (7) business days of receipt of the goods, give notice in writing to Croplands if the goods are not in accordance with Croplands' specifications for the goods or if the goods are damaged, short supplied or otherwise allegedly defective. If you do not give such notice within 7 days, you must accept and pay for the goods and you are no longer able to make any claim. Time is of the essence in the giving of such notice. (a)
- You may not make a claim against Croplands in respect of the goods unless at the time of the claim all of the goods the subject of the claim remain intact as a whole. (b) Any disposal or use of any part of the goods will mean that you have accepted the goods and can no longer make any claim.
- You grant to Croplands full and free access to the premises owned or occupied (c) by you to enable Croplands to investigate any claim you make. Croplands investigation of your claim does not constitute an admission of liability.
- Croplands may, in its sole discretion, accept the return of the goods or refund you (d) the purchase price of the goods. The invoice and/or the delivery note number must be supplied with the goods if they are returned.
   14. LIMITATION OF LIABILITY AND INDEMNITY

- Any representation made by Croplands in relation to the goods, their use, suitability for your purpose or application is given in good faith, is believed by Croplands to be reliable, but is provided with an express disclaimer for any liability or responsibility on the part of Croplands, You acknowledge that Croplands is not or may not be aware of your intended end use of the goods. (a)
- Subject only to be aware of your intended end use of the goods. Subject only to the extent permissible at law, you agree that Croplands will not be liable to you for any consequential loss or damage that you incur or suffer as a direct or indirect result of your purchase, use or application of the goods. You hereby expressly release and discharge Croplands from any and all such consequential loss or damage, however incurred, whether directly or indirectly as a result be. (b) as a result of:
  - your purchase, sale, use or application of the goods;
  - any changes Croplands makes from time to time to the specifications or price of the goods; and ii.
  - iii. any delay or cancellation of your order.

- You accept all risk and responsibility for consequences arising from the improper (c) use of the goods.
- You acknowledge that any liability to you will be limited, in the case of any goods not in accordance with Croplands' specifications or if the goods are damaged, short supplied or otherwise allegedly defective only to:-(d)
  - replacement by Croplands of the goods; or
  - the issue of a credit note for the invoice value of the goods; or ii.
  - iii. the return of any monies that you have paid in respect of the goods; or the return of the goods; iv.
  - whichever Croplands in its absolute discretion considers appropriate.
- You will indemnify Croplands for all and any loss and damage whatsoever or howsoever incurred by it, whether as a direct or indirect result of your failure to observe these Terms, your failure to discharge your duties under the common law or your failure to discharge your duties under statute, or otherwise. (e)

### 15. PALLETS

- Any pallets used for the delivery of the goods to you remain the sole property of Croplands and are to be returned to Croplands' warehouse at your expense (a) and in good order and condition.
- Any pallets not returned within 14 days after Croplands' demand will, at Cropland's election, be deemed to be purchased by you. In that event, you will be invoiced for the pallets at a value to be determined by Croplands. That value will be final and binding as between the parties. (b)

## 16. GOODS ON CONSIGNMENT

- If you hold goods on consignment you must maintain accurate records of these goods as required by Croplands and rotate the goods so that the oldest are sold or used first. (a)
- You must provide to Croplands a reconciliation in respect of the goods on (b) consignment immediately following the end of March, June, September and December each year ("reconciliation") advising:-
  - The opening balance for that quarter, batch numbers for the goods unsold, remaining in your possession and on consignment as at the commencement Ι. of the quarter;
  - the quantity of goods received from Croplands each quarter including the batch numbers in respect of the goods received;
  - the quantity of goods sold in each quarter including the batch numbers in respect of each of the goods sold; and 111.
  - the closing balance for each quarter, batch numbers of the goods unsold, remaining in your possession and on consignment as at the conclusion of IV. each quarter.
- You must notify Croplands as soon as you receive a purchase order from a (b) customer for any of the goods on consignment. Croplands will invoice you each month for the price of the goods as the date(s) of sale to your customers. You must pay for the goods on consignment in accordance with clause 9.
- Croplands will invoice you for any lost or damaged goods on consignment and you must pay for these goods in accordance with clause 9 of the Terms. You may only dispose of or use the goods on consignment in accordance with
- (d) these Terms. All monies resulting from the sale of the goods on consignment will be dealt with in the manner set out in clause 9.

## 17. MISTAKE

Any mistake of fact on any quote, order, invoice, delivery docket or other document issued by Croplands in relation to the goods will not bind Croplands and Croplands may in its discretion issue such amended document as is required to rectify the mistake. You must comply with Croplands' amended document.

## **18. YOUR REPRESENTATIONS**

- You represent that:-
- the goods will only be used and applied in accordance with Cropland's directions and recommendations and in accordance with the registered label; (a)
- the goods will be handled with appropriate caution, care and protective clothing; (b)
- the goods will be used or applied with the appropriate utilities only; (c) (d)
- you are aware that some goods purchased from Croplands may be toxic, dangerous and hazardous to human health;
- (e) the goods the subject of any proposed claim have not continued to be used by you:
  - after you have become aware that the goods are damaged or defective in i. any way; or
  - ii. after you have given written notice of the defects to Croplands;
  - you will report any defects to Croplands in accordance with clause 13.

## 19. ACCESS

You irrevocably grant to Croplands authority to enter into, forcibly or otherwise, all of your owned and leased premises for the purpose of inspecting or removing any of Croplands' goods.

## 20. DANGEROUS GOODS

You warrant to Croplands that after delivery of the goods and whilst Croplands retains any interest in the goods, you will comply with all applicable Acts, Regulations and Laws dealing with the transport, unloading, storage, sale or use of dangerous or hazardous materials.

### 21. LAW/INTERPRETATION

- These Terms are to be interpreted according to the laws of the State of Victoria. (a) The courts in the State of Victoria shall have exclusive jurisdiction to hear and determine all disputes of and incidental to these Terms, including any claims in respect of monies due to Croplands pursuant to these Terms, on account of a claim for damages or any other claim.
- (b) To the maximum extent permitted by law and statute, all warranties terms and to the moximum extent permitted by tow and statute, an warding statute, and warding statute or conditions, expressed or implied by common law, equity, trade, custom, usage, statute or otherwise, in relation to the sale, supply, use or application of the goods, are excluded. Croplands shall not accept any responsibility whatsoever (including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of the goods except for responsibility that the sale of the merchantable quality and except for any responsibility mendatorial improved by citations. responsibility mandatorily imposed by statute.

## 22. SEVERANCÉ

If the whole or any part of these Terms is invalid or unenforceable for any reason, the invalid or unenforceable clauses will be severed from these Terms and the validity of the remaining clauses will be preserved.

## Updated March 2020.

## FREIGHT

## The following tables detail freight on items listed in the 2022 Compact Sprayers & Components guide.

- Prices may change at any time without notice. Freight charges will apply unless items are ordered that qualify to be included in a stock order
- · Charges apply Australia-wide. Goods can be sent by your choice of carrier and/or arranged for pick-up, or sent freight forward if we are advised at the time of order. Croplands is not responsible for any charges incurred for missed collection or delays when using your own courier service
- · All freight prices include any applicable fuel surcharges and remote area surcharges
- · Minimum order value is 50 EX GST
- · All deliveries will be direct to dealers.

## **SPARE PARTS, COMPONENTS & ACCESSORIES**

- Spare parts
- Nozzles and nozzle caps
   12V pumps Regulating valves
   Ball valves
   Solenoids
  - Gloves and suits Gauges

Brass and poly fittings

- Spray guns
   Respirators Boom components
   Filters
- Tank fittings
- Camlocks

## AIRFREIGHT

Note: cut-off for air freight orders is 2:30pm ACDT. Bookings after this time will not guarantee next day delivery

bookings altor this time will het guarantee next day denvery				
ITEM	NOTES	\$ (EX. GST)		
Parts, accessories, components	1kg bag	22.50		
Parts, accessories, components	3kg bag	26		
Parts, accessories, components	5kg bag	36		

## **STOCK ORDERS**

Back orders maybe consolidated to reduce freight costs. Croplande tanke do not qualify for stock ordo

oropiands tailed up not qualify for stock orders				
ITEM	NOTES	\$ (EX. GST)		
Parts, accessories, components with a dealer nett value of 3,000.00 + GST*	<ul> <li>Mark your order clearly as a 'STOCK ORDER'</li> <li>Stock orders can take up to five working days to pack and dispatch</li> <li>Minimum of 15 individual lines must be ordered</li> </ul>	F.I.S.		

\*All items marked in **BLUE** qualify for stock orders

\*All items marked in **ORANGE** do not qualify for stock orders

## WHOLEGOODS

Sent by road freight as individual items

	FREIGHT \$ (EX. GST)
LINKAGE SPRAYERS (P4-13)	000
LA300 and LA600 – all models up to 6m boom	380
LA800 – bare or with 6m boom LA600/MAX08, LA800/MAX08 with 8m boom	410
LA800/MAX00, LA800/MAX08 with 8hr boom	
LAC1000, LAC1000/80 bare unit (no boom)	<u> </u>
LAC1000/80/8M, 10M and 12ML models with 8, 10 and 12m boor	
LAC1000/MHL12 or MHL15 – 100L with 12/15m hyd fold booms	1300
MEC1300/1600 with boom attached	
Cropair 300 and 600L fan sprayers (P18-19)	700
	700
SPRAY BOOMS (P14-17)	85
MSO, MSCL, MBO2, MBXO4 booms	94
MC6, MBX06, MSCL-2, MVB5-5 booms	
MAX08 – flat pack only	180
MAX10 – flat pack only	180
MAX10L, MAX12L and GEX series booms – flat pack only	210
MHL 12 and 15m booms; BDU18 boom only – flat pack only	POA
TRAILPAK SPRAYERS (P21-23)	500
UA300B trailing sprayer (all models) and UA300B motorised nurser	
1100 and 1500L TrailPak sprayers	POA
RETRASPRAY & TRAYPAK SPRAYERS (P24-27)	010
RSRL3-100RC RetraSpray reel	210
US20F/25, US20F/252 and US30F/30 complete units	385
US500/30/HR30TG, US500/40/TWIN traymount units	400
US60F complete units	445
CROPPAK 12V SPRAYERS, KNAPSACK SPRAYERS & APEX SPRAYE	. ,
US30S and AR30 CropPak sprayer	65
US60S, US100S, US100A/15, AR60, AR100, AR100/15, 12V CropPa	
US200F and US200F/15 12V CropPaks	170
US300F/15 12V CropPaks	380
Swissmex SW319 and SW320 x 1 unit	40
Swissmex SW319 and SW320 x 10 units	130
SW503, SW189C, ASBBS-16A x 1 unit	45
SW503, SW189C, ASBBS-16A x 10 units	190
PAKMAN back protector, all Swissmex spray booms	45
CHEMICAL MIXING & BATCHING UNITS; MIXING JUGS & CHEMICAL TR	. ,
L-H9351A 60L mixer	140
L-H9351A with L-H9355A dropdown bracket	160
L-H9353A, L-9353C 60L mixers with trolley	180
L-H9003 and 9005 measuring jugs, 10 each	55
L-H9003 and 9005 measuring jugs, up to 5 each	45
L-H9025 25L buckets (each)	45
L-H9025 25L buckets (x 3)	55
SHUSF-1105PTSI AgRunner transfer unit	50
BOOMLESS NOZZLE KITS, FOAM, FOAM MARKERS (P17, 41)	
Boomless nozzle kits	22.5
Foam markers	75
Spray tanks	POA
HOSE REELS, HOSE, SPRAY GUNS (P34-35)	
30m rolls spray hose	38
All hose reels and 100m rolls hose	65
All spray guns x 1	25
All spray guns x 1 All spray guns x 10	25 60
All spray guns x 1 All spray guns x 10 FIREFIGHTERS (P40)	
All spray guns x 1 All spray guns x 10 FIREFIGHTERS (P40) 500L TrayPak firefighter	60 450
All spray guns x 1 All spray guns x 10 FIREFIGHTERS (P40) 500L TrayPak firefighter Trailed firefighters 1100/1500L models	60
All spray guns x 1 All spray guns x 10 FIREFIGHTERS (P40) 500L TrayPak firefighter Trailed firefighters 1100/1500L models SPRAY PUMPS (P43)	60 450 POA
All spray guns x 1 All spray guns x 10 FIREFIGHTERS (P40) 500L TrayPak firefighter Trailed firefighters 1100/1500L models SPRAY PUMPS (P43) AR pumps with gearboxes – models AR303, AR30, AR503, AR813	60 450
All spray guns x 1         All spray guns x 10         FIREFIGHTERS (P40)         500L TrayPak firefighter         Trailed firefighters 1100/1500L models         SPRAY PUMPS (P43)         AR pumps with gearboxes – models AR303, AR30, AR503, AR813         AR pump models AR30, AR70, AR252, AR503	60 450 POA 75 45
All spray guns x 1 All spray guns x 10 FIREFIGHTERS (P40) 500L TrayPak firefighter Trailed firefighters 1100/1500L models SPRAY PUMPS (P43) AR pumps with gearboxes – models AR303, AR30, AR503, AR813	60 450 POA 75 45
All spray guns x 1 All spray guns x 10 FIREFIGHTERS (P40) 500L TrayPak firefighter Trailed firefighters 1100/1500L models SPRAY PUMPS (P43) AR pumps with gearboxes – models AR303, AR30, AR503, AR813 AR pump models AR30, AR70, AR252, AR503 AR pump models AR30, AR70, AR185 & 250, ARBHS170, ARBHS Hypro centrifugal pumps	60 450 POA 75 45 5200 95 60
All spray guns x 1 All spray guns x 10 FIREFIGHTERS (P40) 500L TrayPak firefighter Trailed firefighters 1100/1500L models SPRAY PUMPS (P43) AR pumps with gearboxes – models AR303, AR30, AR503, AR813 AR pump models AR30, AR70, AR252, AR503 AR pump models AR140, AR160, AR185 & 250, ARBHS170, ARBHS	60 450 POA 75 45 5200 95
All spray guns x 1         All spray guns x 10         FIREFIGHTERS (P40)         500L TrayPak firefighter         Trailed firefighters 1100/1500L models         SPRAY PUMPS (P43)         AR pumps with gearboxes – models AR303, AR30, AR503, AR813         AR pump models AR30, AR70, AR252, AR503         AR pump models AR140, AR160, AR185 & 250, ARBHS170, ARBHS         Hypro centrifugal pumps         FloJet and SHURflo 12V pumps x 1 unit         FloJet and SHURflo 12V pumps x 12 unit	60 450 POA 75 45 5200 95 60 25 70
All spray guns x 1 All spray guns x 10 FIREFIGHTERS (P40) 500L TrayPak firefighter Trailed firefighters 1100/1500L models SPRAY PUMPS (P43) AR pumps with gearboxes – models AR303, AR30, AR503, AR813 AR pump models AR30, AR70, AR252, AR503 AR pump models AR30, AR70, AR252, AR503 FloyTe centrifugal pumps FloyTe and SHURflo 12V pumps x 1 unit	60 450 POA 75 45 5200 95 60 25 70
All spray guns x 1         All spray guns x 10         FIREFIGHTERS (P40)         500L TrayPak firefighter         Trailed firefighters 1100/1500L models         SPRAY PUMPS (P43)         AR pumps with gearboxes – models AR303, AR30, AR503, AR813         AR pump models AR30, AR70, AR252, AR503         AR pump models AR140, AR160, AR185 & 250, ARBHS170, ARBHS         Hypro centrifugal pumps         FloJet and SHURflo 12V pumps x 1 unit         FloJet and SHURflo 12V pumps x 12 unit	60 450 POA 75 45 5200 95 60 25 70
All spray guns x 1         All spray guns x 10         FIREFIGHTERS (P40)         500L TrayPak firefighter         Trailed firefighters 1100/1500L models         SPRAY PUMPS (P43)         AR pumps with gearboxes – models AR303, AR30, AR503, AR813         AR pump models AR30, AR70, AR252, AR503         AR pump models AR140, AR160, AR185 & 250, ARBHS170, ARBHS         Hypro centrifugal pumps         FloJet and SHURflo 12V pumps x 1 unit         FloJet and SHURflo 12V pumps x 12 unit         RESPIRATORS, SPRAY MANIFOLDS, SPRAY CONTROLLER KITS & C	60 450 POA 75 45 5200 95 60 25 70 <b>3PS UNITS (P53-56)</b>



## NOTES

Utilise this space to detail items you are interested in, would like to enquire about, or place an order for.

## **PERSONAL DETAILS**

NAME	
CUSTOMER #	
DEALER NAME / PHONE #	
DELIVERY ADDRESS	
DELIVERY CONTACT NAME / PHONE #	

## **ITEM DETAILS**

PAGE #	ITEM CODE	NOTES		RRP (\$)	PROD.CAT.	FREIGHT \$ (EX. GST)	NOTES

## NATIONWIDEDEALERS

Ba Bat

Gilg

Mud

Οu

Tem Totte

Wag Wal

Υοι

Ath

Bee Bilc

Bur Bur

Dal

Ing

Μu

Nar Piall Pros

Roc Ror Sar

Spr Sta

St G

Wa

## VICTORIA

Ballarat	Central Machinery Services	03 5332 0566
Ballarat	O'Connors	03 5339 3038
Bendigo	Precision Control	03 5448 8484
Beulah	North West Ag Services	03 5390 2264
Birchip	O'Connors	03 5492 2311
Boort	North West Ag Services	03 5455 2563
Charlton	North West Ag Services	03 5491 1976
Cobram	Cobram Rural	03 5871 3333
Colac	Swayn & McCabe	03 5231 5022
Donald	North West Ag Services	03 5497 1144
Dunolly	N H Hall & Co	03 5468 1202
Echuca	Echuca Rural	03 5482 2788
Hamilton	Phillips Farm Machinery	03 5572 1822
Hopetoun	North West Ag Services	03 5083 3133
Horsham	O'Connors	03 5382 1727
Horsham	Traction Ag	03 5381 1385
Lilydale	Agpower	03 9739 5006
Maffra	TTMI	03 5141 1700
Marnoo	North West Ag Services	03 5359 2240
Melton	Jon Kay Agricultural	03 9743 5644
Mildura	Agg Tech Machinery	03 5021 2722
Mildura	O'Connors	03 5039 5349
Mildura	Growers Services	03 5023 0284
Nhill	Traction Ag	03 5391 1144
Nullawil	North West Ag Services	03 5493 5251
Ouyen	O'Connors	03 5092 1031
Ouyen	North West Ag Services	03 5092 1381
Quambatook	North West Ag Services	03 5457 1341
Sea Lake	North West Ag Services	03 5070 1080
Shepparton	O'Connors	03 5821 4555
Shepparton	Shepparton Rural	03 5832 3500
St Arnaud	North West Ag Services	03 5495 2211
St Arnaud	O'Connors	03 5495 1288
St Arnaud	Sprayer Centre	03 5495 3222
Swan Hill	Hepburn Agri Centre	03 5033 2416
Swan Hill	North West Ag Services	03 5032 5595
Swan Hill	O'Connors	03 5032 0099
Swan Hill	Swan Hill Kubota	03 5032 9290
Trafalgar	TTMI	03 5633 1588
Wangaratta	McGregor Machinery	03 5722 9933
Warnambool	Class Harvest Centre	03 5561 1733
Warracknabeal	North West Ag Services	03 5394 1024
Warracknabeal	O'Connors	03 5398 1877
Wodonga	Intersales	02 6061 4390
Woomelang	North West Ag Services	03 5081 2131

### TASMANIA

Nuriootpa

Saddleworth

Strathalbyn

Woodside

Wudinna

Statewide Tasmac **SOUTH AUSTRALIA** Adelaide Adelaide Spray Shop Pringles Crouch Pringles Crouch Gawler East Tundarri Sales & Service Kubpow Vater Machinery Kadina Ronco Motors Karoonda Loxton Millicent Millicent Farm Supplies Murray Bridge Daish Irrigation Naracoorte Kubpower 08 8762 0123 Nuriootoa 08 8562 1311

Ronco Motors

Bates Farm Machinery

Complete Ag & Seed

McKay's Auto & Ag Supplies 08 8541 2288

## 5021 2722 5039 5349 5023 0284 5493 5251 5092 1031 5092 1381 5457 1341 5070 1080 5821 4555 5832 3500 5495 2211 5495 1288 5495 3222 5033 2416 5032 5595 5032 0099 <u>5032 9</u>290 5394 1024 5398 1877 03 6343 1666 1800 682 276 1800 777 090 08 8752 1311 08 8628 2150 08 8636 2257 08 8676 2105 08 8522 2188 08 8139 7200 08 8821 2442 08 8578 1037 08 8584 5575 08 8323 8339 08 8733 4966 08 8532 2711

08 8563 2008

08 8577 8129

08 8847 5000

08 8390 3017

08 8380 9400

08 8389 7022

08 8680 2236

## **NEW SOUTH WALES**

galow	Ace Ohlsson	02 6687 1452
nurst	On-Trac Ag	02 6332 5655
dobolin	O'Connors	02 6895 2622
owa	O'Connors	02 6033 1666
/ra	Cowra Machinery Centre	02 6342 5555
bo	Michell Machinery	02 6884 2767
bes	Forbes Machinery Centre	02 6852 3211
bes	O'Connors	02 6852 1200
bes	Roylances Tractor Repairs	02 6852 2020
andra	Western Farm Machinery	02 6847 0318
ford	Kentan Machinery	02 4302 6100
ılburn	Goulburn Farm Machinery	02 4821 4148
nfell	O'Connors	02 6343 1422
fith	Intersales	02 6962 6831
inedah	NFS-Ag	02 6742 7771
inedah	Vantage NSW	1300 770 970
ham	Kentan Machinery	02 4964 8275
rell	Inverell Pumps & Sprays	02 6722 4088
npsey	Macleay Valley Motors	02 6562 3884
Graths Hill	Ace Ohlsson	02 4571 6400
ee	Black Truck & Ag	02 6752 2277
ee	Gwydir Spray Shop	02 6752 8022
lgee	Cudgegong Rural Supplies	02 6372 3500
lgee	On-Trac Ag	02 6372 2662
wellbrook	Kentan Machinery	02 5575 4000
thern Rivers		02 6622 0003
nge	On-Trac Ag	02 6362 5566
imbah	Coast & Valley Tractors	02 4360 4040
es	McPherson's Parts & Service	02 6862 3888
olbin	Lawrence's Ag & Machinery Repairs	
e	Kentan Machinery	02 6552 5833
ora	Intersales	02 6977 1933
enham	Western Farm Machinery	02 6892 4078
Iga Wagga	Intersales	02 6921 5515
gett	Walgett Tyre & Machinery Service	02 6828 1500
ren	Western Farm Machinery	02 6847 3422
t Wyalong	O'Connors	02 6972 2288
t Wyalong	West Wyalong Machinery Centre	02 6972 1057
olgoolga	Coffs Harbour Farm Machinery	02 6654 0658
ng	Carruthers Machinery	02 6382 7233

### QUEENSLAND

erton	Tableland Pumps & Pipes	07 4091 2277
	Nutrien Ag Solutions	07 4790 4444
rwah	Coochin Creek Co-Operative	07 5494 6219
ela	BMAS Biloela	07 4992 5332
/en	Bartec Rural Services	07 4785 2322
daberg	Lindsay Rural	07 4150 0500
daberg	Sunfam	07 4152 4166
alaba	Turf Irrigation Services	07 3245 6000
oella	Western Mechanical QLD	07 4984 9925
by	Dalby Mower Supplies	07 4669 6885
by	Dalby Rural Supplies	07 4660 0400
erald	Cotton Growers Services	07 4982 2255
ton	Agricultural Requirements	07 5468 0000
ton	Lockyer Farm Machinery	07 5462 1888
ondiwindi	Black Truck & Ag	07 4677 8100
ondiwindi	Ag Spray Centre	07 4671 2717
donvale	Russo & Vella	07 4056 1157
nam	Nutrien Ag Solutions	07 4776 1477
sfail	GF Rural Supplies	07 4061 1066
bar	South East Queensland Tractor	07 5463 5957
garoy	Sengs Sales & Service	07 4163 6162
:kay	Cropwise	07 4847 0442
:kay	Nutrien Ag Solutions	07 4952 4377
eeba	TGT Agriculture	07 4030 3190
eeba	Think Water Mareeba	07 4092 7788
sman	Mossman Ag Services	07 4098 2286
gon	South Burnett Machinery	07 4168 1411
nbour	Tractor Machinery Implements	07 5476 4888
ba	Advanced Water Technologies	07 4194 2887
serpine	Pursehouse Rural	07 4945 2733
khampton	Milne Bros. Equipment	07 4927 1888
na	Roma Pumps and Solar	07 4622 4528
na	Pursehouse Rural	07 4956 2139
ngsure	Springsure Tractors	07 4984 1258
nthorpe	Vedelago Mechanical Repairs	07 4685 2200
eorge	St George Machinery Centre	07 4625 3633
woomba	Toowoomba Spray Shop	07 4634 4000
Ý	GF Rural Supplies	07 4068 1002
muran	Suncoast Rural	07 5496 6500

## **NORTHERN TERRITORY**

Humpty Doo	HD Pumps	08 8988 1254
Winnellie	HD Pumps	08 8947 1008
WESTERN	I AUSTRALIA	
Albany	AFGRI	08 9842 8529
Albany	C&C Machinery	08 9842 2103
Boyup Brook	AFGRI	08 9765 1305
Busselton	AFGRI	08 9757 6215
Carnamah	AFGRI	08 9951 1130
Corrigin	Agwest	08 9063 2508
Corrigin	Neu-Tech Auto Electrics	08 9063 2149
Cowaramup	Cowaramup Tractor Sales	08 9755 5207
Cunderdin	AFGRI	08 9635 1364
Dalwallinu	AFGRI	08 9661 1105
Donnybrook	Machinery West	08 9731 0700
Esperance	AFGRI	08 9071 6702
Esperance	Agwest	08 9071 3711
Esperance	Esperance Rural	08 9071 5166
Forrestdale	Growers Agrishop	08 9397 2800
Geraldton	Burando-Hill	08 9964 7822
Geraldton	AgWest Machinery	08 9965 5855
Geraldton	Geraldton Ag Services	08 9965 7900
Geraldton	AFGRI	08 9921 5044
Gnowangerup		08 9827 1207
Katanning	BTW Spray Shop	08 9821 4844
Kununurra	Ord River District Co-Operative	08 9168 2255
Lake Grace	AFGRI	08 9865 1100
Manjimup	Farmlink Rural	08 9777 2900
Manjimup	Southern Forest Machinery	08 9777 2100
Merredin	AFGRI	08 9041 4100
Moora	AFGRI	08 9651 1363
Muchea	CD Tractor Sales & Service	08 9571 4117
Mukinbudin	AFGRI	08 9047 1109
Narembeen	AFGRI	08 9064 7214
Narrogin	AFGRI	08 9861 0000
Narrogin	Narrogin Pump, Solar and Spraying	
Northam	AFGRI	08 9622 5855
Perth	AFGRI	08 9478 5099
Perth	Sprayline Spraying Equipment	08 9250 6100
Quairading	AFGRI	08 9645 0077
Wagin	Marleys Diesel & Ag	08 9861 2345
Wangara	Boya Equipment	08 9409 2008
Welshpool	Sprayline Spraying Equipment	08 9353 1177
Wongan Hills	AFGRI	08 9671 1311

## **NATIONAL SALES & SUPPORT**

0438 300 117

## **CROPLANDS AUSTRALIA**

Wyalkatchem Petchell Mechanical

www.faceboo	1800 999 162 1300 650 724 1800 764 2867 croplands.com.au k.com/Croplands er.com/Croplands
NATIONAL SALES MANAGER Jeremy Rennick	0409 065 994
NORTH	
<b>COASTAL QLD / NT</b> Rob Graham	0409 597 462
<b>CENTRAL / SOUTH QLD</b> Lachlan Coom	0428 621 661
SOUTH QLD / NORTH NSW David Oliver	0407 485 569
<b>CENTRAL NSW / TAS</b> Dave Farmer	0427 651 971
SOUTH	
SOUTH NSW	0427 975 072
VIC Steve Ross Brett Kay	0417 832 784 0429 144 987
SA/SOUTH VIC Jeremy Deck	0430 006 672
SA Andrew Germein	0417 848 590 0409 899 491
Hayden Paul <mark>WEST</mark>	<u> </u>
<b>WA</b> Scot Craig Gavin Merritt Mitchell Cox	0448 337 280 0448 022 172 0407 132 746