BUYERS’ GUIDE
EFFECTIVE AUGUST 2018

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CROPLANDS

BUILT AUSSIE TOUGH

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CROPLANDS

BUILT AUSSIE TOUGH
CROPLANDS MANUFACTURE AND SUPPLY QUALITY SPRAY EQUIPMENT, COMPONENTS AND ACCESSORIES.

THE APPLICATION SPECIALISTS

At Croplands we believe it is not good enough to simply sell a piece of machinery.

We believe it is important to give advice to growers on how to achieve the best possible outcome with their unit.

Croplands is a subsidiary of agricultural chemical company, Nufarm Ltd., along with agricultural seed company, Nuseed. Nufarm has been a trusted brand for farmers for over 60 years and has worked alongside growers to provide a wide range of top quality crop protection products.

With Croplands, Nufarm and Nuseed together under the One Nufarm banner, they offer growers a very unique portfolio. Pulling together their products and people for SprayWise events and the like, they can not only demonstrate application equipment, but provide information on the best chemical mixes, nozzle selection and tips on effective application.

Our close relationship with Nufarm gives us a good understanding of chemicals and their requirements for application. Being part of the SprayWise program, Croplands has access to the latest research outcomes.

SIMPLE, RELIABLE AND DURABLE

Our machinery is built to high quality standards. Robust designs resulting in unmatched reliability. Working with feedback from farmers and operators, we develop sprayers that provide efficiency with a simple approach. We are proud of our innovative developments.

SAFETY BY DESIGN

Croplands Research and Development Team keep operator safety front of mind when developing any new or existing model sprayer. The safety of our customers and those who operate our sprayers is integral to us.

TECH SUPPORT AND SERVICE

Our service centres are staffed by experienced and internationally trained technicians who understand what make your sprayer tick.

Croplands’ dealer network is trained to provide the very best local support. With dealers and warehouses located around the country spare parts and accessories are always available and close by.

Croplands spare parts, sprayer components and accessories are manufactured and hand-picked for superior performance and longevity.

UNDERSTANDING SPRAYERS

Croplands has been building sprayers since 1972. After operating for over 45 years in the Australian and New Zealand environments we understand the challenges faced by producers; before, during and after application.

Our sprayers are built accordingly. We listen to farmers and produce cost effective solutions to suit their needs.
Dear Customer

We are proud to present our 2018 Broadacre Trailed Buyers’ Guide, showcasing a sprayer to suit virtually any operation ranging from 3000 litres to 8000 litres.

Last year we released the new Pegasus 7000 PLUS, a 7000 litre sprayer with an extra 1500 litre tank, that can be factory optioned to best suit your needs.

In conjunction with various consultants and our parent, agricultural chemical company – Nufarm, we have conducted extensive testing on the benefits associated with 250mm close nozzle spacing. The results have driven us to make this available on our Pegasus range and something we would strongly encourage if you are looking for superior application results.

We hope that this publication will assist you in making the right purchase decision for your individual situation.

If you wish to take a closer look at any Croplands sprayer, please contact your local Territory Manager to find out when we are holding demonstrations near you. Their details, along with those of our dealer network are listed in the back of this guide.

Meet Our Stable of Top Performers

Sean Mulvaney
General Manager
Croplands
33–36 METRE BOOMS, 8000 LITRE TANK
DESIGNED FOR LARGE SCALE FARMING THE PEGASUS 8000 TAKES ANOTHER STEP TO SATISFY THE DEMAND FOR INCREASED PRODUCTIVITY WHILE KEEPING THE PROVEN, ROBUST SIMPLICITY THAT IS THE HALLMARK OF THE PEGASUS RANGE.

STANDARD FEATURES

8000 LITRE TANK
» Minimises re-fill down time and increases field efficiency
» Deep sump empties completely for drain out. 50mm drain outlet
» Large Venturi agitators front and rear, plus sparge-tube recirculation ensure excellent agitation and chemical suspension
» Twin rinsing nozzles for complete tank clean out
» 700 litre fresh water flushing and rinsing tank
» UV and chemical resistant to increase longevity
» Hinged lid with filling strainer and top/bottom fill point with large screen filter

BOOMS
Choose from 33 and 36 metre booms with unrivalled boom ride and stability.
» 10 years of continuous development means the Pegasus boom range can handle the workload in the field. Designed for Australian conditions, the steel construction has a proven track record
» 2 metre plus parallelogram lift with hydraulic accumulator suspension assists boom ride and adds to increased spraying precision and longevity
» Pendulum-type fully floating self-levelling centre section with yaw dampening provides unrivalled boom stability
» A boom-end breakaway system, fenceline protectors, sprung boom skids and protected nozzles minimise potential contact damage
» Independent outer wing fold enables operation with the boom half folded if required in tight spaces
» Stainless steel boom lines to avoid contamination build-up
» Flushing taps at end of sections for complete boom clean out
» Chemical and corrosion resistant finish to avoid corrosion issues
» Four-ram hydraulic side-fold system which locks for safety in transport
» Non-drip nozzle bodies with drift reducing low pressure AirMix® air-induction nozzles

SUPER HEAVY DUTY CHASSIS DESIGN
» The superbly engineered chassis is virtually unbreakable and provides structural integrity and stability for a solid feel behind the tractor

EXCEPTIONAL BOOM STABILITY
» The self levelling boom, coupled with the hydraulic accumulator suspension and an air-ride axle system provides exceptional boom stability for precise droplet application

LOW PROFILE TANK
» Engineered to sit deeper into the chassis to lower the centre of gravity and assist boom stability
PROVEN CHASSIS DESIGN
» A heavy duty, fully welded and epoxy-powder coated chassis with two massive, folded, 6mm thick 350-grade high-tensile c-channel beams, welded into box sections, provides the heart of the structural integrity
» Load sensing airbag axle suspension – adjustable to 3 metre width – for excellent shock absorption and stability will ensure longer life of the sprayer and an exceptionally smooth ride
» 710/70R x 42” single wheels provide a huge footprint to minimise compaction and further enhance ride quality
» Heavy duty drawbar with an innovative Air Ride Drawbar System minimises shock transmission from tractor to sprayer and vice versa

LIQUID CONTROL
» BA7000 fully automatic spray rate controller, fitted standard, provides full screen monitoring of all key spray functions and is GPS compatible with most systems
» Electric motorised boom valves and ARAG Wolf flowmeter are easily accessible for servicing
» 5 section liquid control standard, up to 9 sections available (see options)

ADDITIONAL STANDARD FEATURES
» AR (Annovi Reverberi) positive displacement, oil bath, chemical resistant diaphragm pump (250 L/min) handling a system pressure of up to 10 bar
» Unique integrated rinsing system utilises the 700 litre fresh water flush tank, with no return to main product tank, for boom line rinsing in the field
» 35 litre fresh water hand wash tank fitted for operator safety and convenience
» Integrated 100 litre chemical induction hopper (Chem-e-flush) for easy chemical mixing and transfer to the main tank
» Central control panel for exceptionally easy operation of all liquid functions – filling, mixing, flushing and spraying set up

OPTIONAL FEATURES
» 7–9 section motorised valves to increase flexibility of application and make auto-boom shut off a breeze
» Fully integrated GPS options available
» Optional left/right hydraulic wing-lift kit for lifting each boom wing by approximately 15% to overcome obstacles, working in undulating ground or in contours
» Fully supported polyethylene mudguards and mudflaps to cut down dust or mud-splash
» 620/70R x 42” or 520/85R x 46” tyre

PEGASUS 8000

BROADACRE TRAILED BUYERS’ GUIDE EFFECTIVE AUGUST 2018
PEGASUS 8000 FEATURES

1. LARGE OPERATOR ACCESS AREA
   The large platform area gives safe and easy access to the filling lid and liquid control system. Fold down steps provide greater crop clearance.

2. 250 L/MIN PUMP
   A rugged 6-diaphragm pump operates at up to 10 bar with minimum system stress. Positive displacement liquid delivery means perfect nozzle pressure to ensure air-induction nozzles work to their potential.

3. JACK STAND/HEIGHT ADJUSTABLE HITCH
   Heavy duty hydraulic retractable jack stand provides fuss-free parking and excellent clearance during operation. The height adjustable hitch optimises distribution of weight on the draw bar.

AIR RIDE DRAWBAR SYSTEM
A heavy duty drawbar with an integrated Hendrickson airbag helps to minimise the effects on the tractors drawbar.
CROPLANDS ENGINEERS DID NOT SIMPLY PUT A BIGGER TANK ON AN EXISTING CHASSIS. THE SHEER DIMENSIONS OF THE 8000 DEMANDED ROBUST SOLUTIONS TO GUARANTEE A ROCK SOLID PERFORMANCE.

700 LITRE FLUSHING TANK
A unique, fully integrated boom flushing system utilises up to 700 litres of fresh water from a separate tank. The system allows the operator to flush lines with no return to main tank. Provides instant boom line purging in the field.

BOOM SUSPENSION
The parallelogram boom suspension with hydraulic accumulator adds to smooth ride and reduces boom fatigue significantly.

CENTRAL CONTROL PANEL
From a central point, the operator can take charge of all the filling, mixing and flushing functions with ease. A hallmark of the Pegasus range.

CHEM-E-FLUSH
100 litre chemical mixing unit drops down to a safe working height. Optional enviro-transfer system with drum fittings available.

AIRBAG AXLE SUSPENSION
Hendrickson airbags ensure a smoother ride and longer boom life. Also fitted with a ride height valve to ensure constant chassis height.
PEGASUS 7000 PLUS

1. **1500 LITRE TANK**
   An industry leading capacity to thoroughly and regularly flush the boom system and main tank. Can also be used as a holding tank for extra water to be used for spraying.

2. **SAFE ACCESS PLATFORM**
   The up and over platform allows safe and easy access from both sides of the sprayer to the tank lids. Fold down steps provide greater crop clearance.

3. **AIR RIDE DRAWBAR SYSTEM**
   The heavy drawbar features an integrated Hendrickson airbag and automatic ride height valve improving the ride and minimising feedback to the tractor. Also features heavy duty adjustable hitch, swivelling eye drawbar and adjustable drop down leg.

4. **BIG PUMP CAPACITY**
   The latest HYPRO centrifugal pump using Forcefield technology with run dry protection to avoid costly downtime. Flow capacities exceeding 900 L/min.
BOOM SUSPENSION
The parallelogram boom suspension with hydraulic accumulator contributes to a smoother ride and reduces boom fatigue significantly.

CENTRAL CONTROL PANEL
Makes filling, flushing, chemical mixing and induction a simple and efficient process from one central point. All functions are at hand to save time and effort. All tanks can be filled from a single source using a simple rotary valve for tank selection.

FULLY INTEGRATED CHEMICAL INDUCTION HOPPER
The standard 60 litre Chem-e-flush hopper is fully integrated to the sprayer’s control system. Options include a chemical suction probe to induct chemicals from smaller drums. Optional 12 volt chemical transfer pump system complete with micromatic drum fittings available.

AIRBAG AXLE SUSPENSION
Hendrickson airbags ensure a smoother ride, longer boom life and is controlled by an automatic ride height valve.
STANDARD MODEL

7000 LITRE MAIN TANK WITH 1500 LITRE STORAGE/FRESH WATER TANK

» This large capacity 7000 litre sprayer is equipped with a 1500 litre storage or fresh water tank

» Water can be transferred from the storage tank to finish off small areas

» A chemical drum rack is fitted to the side of the chassis for 20 litre drums only

» This sprayer is fitted with a large capacity, centrifugal HYPRO pump with Forcefield technology. This pump can also be utilised for self-filling from a 2-inch feed line or optional 3-inch

OPTIONAL MODEL

7000 LITRE MAIN TANK WITH COMBINED 1500 LITRE TANK

» This combination can be used in conjunction with nurse tanks and pre-batching plants to fill both tanks, maximise field efficiency. For flushing and decontamination, fresh water will need to be provided from the nurse tank or from the refilling point

» 1500 litre tank can be used to store pre-mixed chemicals in addition to the 7000 litre main tank

» This sprayer is fitted with two large capacity, centrifugal HYPRO pumps with Forcefield technology. Pump 1 is utilised for filling both tanks from a 3-inch feed line and maintain agitation of the 1500 litre tank. Pump 2 is used to deliver chemical to the boom and maintain agitation in the 7000 litre tank

OTHER OPTIONAL FEATURES

» 7 or 9 section motorised valves to increase flexibility of application and make auto-boom shut off a breeze

» Fully integrated GPS options available

» Optional left/right hydraulic wing-lift kit for lifting each boom wing by approximately 15% to overcome obstacles when working in undulating ground or in contours

» Fully supported polyethylene mudguards and mudflaps to contain dust or mud-splash
**OPTIONAL APPLICATION PACKAGE FOR PEGASUS**

Stainless steel 1 inch boom plumbing system has been designed with 4 major boom feeds to improve chemical distribution from tip to tip, anywhere across the boom. Specifically designed boom tubes are bent at either 90 degrees or 180 degrees to improve flow for rapid auto section response times and minimise points for chemical residues or contamination.

A recirculation valve allows boom priming with every new tank full and assists with a faster boom decontamination process.

Nozzle spacings of 250mm provide more overlap and improved penetration in stubbles and better distribution of chemical in rough or undulating paddocks. Droplet size using more nozzles is often better matched to the toughest spraying challenges such as grasses. Air stop valves are fitted directly to the nozzle body, allowing very fast auto boom shut-off speeds – even with high boom pressures.

**250MM SPACINGS**

- Improve penetration on small targets by spraying from more angles
- More nozzles create a droplet spectrum suited to small targets, improving overall coverage
- 250mm spacings offer a better distribution of chemical under the boom, beneficial for undulating country
- Twice the nozzles = twice the coverage.
  Up to four times the overlap can be achieved, rather than the standard 2 x overlap

**CROPLANDS APPLICATION PACKAGES**

Stainless steel 1 inch boom plumbing system has been designed with 4 major boom feeds to improve chemical distribution from tip to tip, anywhere across the boom. Specifically designed boom tubes are bent at either 90 degrees or 180 degrees to improve flow for rapid auto section response times and minimise points for chemical residues or contamination.

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THE RUGGED CHASSIS DESIGN AND LARGE ROLLING RADIUS SINGLE WHEELS WORK TOGETHER WITH A ROBUST BOOM TO PROVIDE ULTIMATE SPRAYING CONTROL IN ALMOST ANY TERRAIN.

PROVEN CHASSIS DESIGN
» Structural integrity and stability for smooth ride

STABLE BOOMS
» Exceptional boom stability ensures spray coverage is maximised

SIMPLE OPERATION
» The Pegasus range is renowned for being exceptionally easy to operate with one master panel for all liquid functions

24-36 METRE BOOMS, 5000-6000 LITRE TANKS

STANDARD FEATURES

5000 OR 6000 LITRE TANK
» Low profile easy to clean polyethylene tanks
» Deep fully draining sump for complete clean out. 50mm drain outlet
» Dual Venturi agitation with direct chemical induction at the venturi point to optimise suspension of chemicals
» Tank rinsing facility and large drain outlet
» UV and chemical resistant to increase longevity
» Top/bottom fill-point with screen filter to ensure particles don’t enter the tank
» 5 section motorised valves, or 7 optional
» ISOBUS compatible

Also compatible with
» Trimble
» Topcon
» Greenstar

Optional Trimble Ready with Field IQ module available for order.

BOOMS
» Choose from 24, 30, 33 and 36 metre booms – with wing-lift available on all models as an option
» Parallelogram boom lift exceeds two metres and is fitted with a hydraulic accumulator suspension system for smooth boom ride
» Pendulum-type full floating self leveller vastly improves turning stability of the boom and provides additional shock absorption from sudden wheel track movements
» Adjustable boom-end breakaways, boom skids, fence line protectors and protected nozzles to minimise potential contact damage
» Four-ram hydraulic side-fold system which locks for safety in transport
» Flushing taps at end of each boom section for excellent boom flushing
» Chemical resistant finish to prevent corrosion
» Non-drip nozzle bodies with drift reducing low pressure AirMix® air-induction nozzles
**AUTOMATIC SPRAY RATE CONTROL**
- Bravo 180S fully automatic spray rate controller fitted standard
- Electric motorised valves provide excellent reliability and are easily accessible for servicing

**ADDITIONAL FEATURES**
- Positive displacement, oil bath, chemical resistant diaphragm pump (180 L/min) handling a system pressure of up to 10 bar
- 470 litre flushing tank to rinse in the field
- 20 litre fresh water hand wash tank fitted for operator safety and convenience
- Integrated 60 litre chemical induction hopper (Chem-e-flush) for easy chemical mixing and transfer to the main tank
- Central control panel for exceptionally easy operation of all liquid functions – filling, mixing, flushing and spraying set up
- In-line boom filters fitted standard

**OPTIONAL FEATURES**
- Fully automatic Bravo 400S or MT3405 spray rate controller with motorised valves for additional operator information and more boom sections if required
- Trimble Ready with Field IQ module
- Integrated GPS options easily adapted to most control systems for precise application
- Left/right hydraulic wing-lift kit for lifting each boom wing by approximately 15° to overcome in-field obstacles, undulating ground or contour banks
- 3m adjustable axle with airbag suspension included
- Polyethylene mudguards and mudflaps to cut down dust or mud splash
- Up to 7 section boom control to minimise overspraying in corners and triangular areas

**PEGASUS 6000 | 5000**

**CROPLANDS PEGASUS AND PINTO RANGE OF BOOMSPRAYERS FOR BROADACRE ARE PROUDLY BUILT IN AUSTRALIA.**
UP TO 9 BOOM SECTIONS
Using reliable ARAG motorised ball valves match to an auto-rate spray controller to suit.

AIRBAG AXLE SUSPENSION
Standard on all Pegasus 6000 units. Standard on 5000 when fitted with a 33 or 36 metre boom. Optional on the 5000 when fitted with a 30 or 24 metre boom. This suspension option is recommended for more undulating terrain.
FULLY INTEGRATED CHEMICAL INDUCTION HOPPER

The standard 60 litre Chem-e-flush hopper is fully integrated to the sprayer’s control system. Options include a chemical suction probe to induct chemicals from smaller drums and an AgRunner system complete with micromatic drum fittings.

BIG PUMP CAPACITY

The large capacity AR185 LFP (180 L/min open-flow) diaphragm pump gives reliable, positive displacement liquid delivery with minimal service or downtime. Maximum operational system pressure is 10 bar – perfect for low to high pressure air-induction nozzles. An optional 250 L/min pump is available. Hydraulic drive pump options are available instead of the standard PTO drive.

ADJUSTABLE HITCH DESIGN

The adjustable hitch allows operators to match tractor and sprayer drawbar height.

NOZZLES AND NOZZLE BODIES

Single non drip nozzle bodies complete with the AirMix® air-induction nozzles fitted standard. Stainless steel boom lines with filters for each section and boom flush taps fitted standard. Twin boom lines and triplex nozzle bodies are available options.

CENTRAL CONTROL PANEL

Makes filling, flushing, chemical mixing and induction a simple and efficient process from one central point. All functions are at hand to cut out wasted time and effort. All tanks can be filled from a single source using a simple rotary valve for tank selection.

LARGE OPERATOR ACCESS AREA

The large platform area gives easy access to the filling lid and liquid control system.

FULLY INTEGRATED CHEMICAL INDUCTION HOPPER

The standard 60 litre Chem-e-flush hopper is fully integrated to the sprayer’s control system. Options include a chemical suction probe to induct chemicals from smaller drums and an AgRunner system complete with micromatic drum fittings.

BRAVO 180S FULLY AUTOMATIC CONTROLLER OPTIONS

A Bravo 180S 5 section fully automatic spray rate controller is standard with an option to upgrade to 7 section liquid control.
18–24 METRE BOOM, 4000 LITRE TANK

STANDARD FEATURES

SUPERIOR HITCH AND STABLE CHASSIS DESIGN
- Rugged fabricated chassis and hitch designed for maximum durability
- Heavy duty single axle with 18.4 x 30” single wheel tyre
- Height adjustable hitch and swivel eye drawbar to optimise towing balance

BOOM
- Epoxy-powder coated 18, 21 and 24 metre wide fully hydraulic folding booms
- Hydraulic accumulator boom suspension system protects the boom and improves the boom ride
- Hydraulic parallelogram boom lift
- Boom breakaways are fully adjustable with 90° self returning boom ends
- Booms hydraulically side fold and lock for transport
- Self levelling device to keep the boom parallel to the crop
- 3 section boom control
- Non-drip, quick-release nozzle bodies with drift reducing AirMix® air-induction nozzles
- ISOBUS compatible
- Also compatible with Trimble, Topcon, Greenstar
- Optional Trimble Ready with Field IQ module available for order

ELECTRIC CONTROLS
- In-cab electric controller with master switch, 3-way boom switches and pressure adjustment. Electric motorised valves are easily accessible for servicing.

ROBUST, PRACTICAL TANK DESIGN
- 4000 litre polyethylene tank designed to ensure clean flushing and even weight distribution.

ADDITIONAL FEATURES
- AR160 PTO driven diaphragm pump (160 L/min)
- 275 litre flushing tank to rinse in the field
- 15 litre fresh water hand wash tank fitted
- Integrated chemical suction probe fitted
- Integrated GPS options easily adapted to most control systems for precise application
- 60 litre chemical induction hopper

OPTIONAL FEATURES
- 18.4 x 38” wheels for greater crop clearance
- 11.2 x 42” wheels for high clearance applications (72” row width)
- Bravo 180S or MT3405 spray rate controller with motorised valves
- Left/right hydraulic wing-lift kit for lifting each boom wing by approximately 15° to overcome obstacles
- Polyethylene mudguards and mudflaps to cut down dust or mud-splash

THE PINTO 4000 OFFERS PEGASUS STYLING WITH PINTO PRACTICALITY. MODERN STYLING AND ROBUST DESIGN, RESULTING IN UNMATCHED PERFORMANCE.

GENEROUS 160 L/MIN DIAPHRAGM PUMP
- Plenty of volume for superior agitation and water rate flexibility

HYDRAULIC ACCUMULATOR BOOM SUSPENSION
- For cushioned boom ride

BIG SINGLE WHEELS (30” OR 42”) FITTED TO HEAVY DUTY AXLE WITH TRAILING ARM RUBBER MOUNT SUSPENSION
- With less compaction and less crop damage

HEIGHT ADJUSTABLE HITCH AND SWIVEL EYE DRAWBAR
- To optimise weight distribution and balance

HEAVY DUTY EPOXY-POWDER COATED FRAME
- To increase chemical resistance and durability
275 LITRE FLUSHING TANK
The flushing tank provides better boom hygiene. Rinsing can be done in the field as soon as the job is done.

PARALLELOGRAM BOOM LIFT
The hydraulic boom lift provides smooth height control for correct spraying height at the operator’s fingertips.

18.4 X 30” BIG SINGLE WHEEL FITTED TO HEAVY DUTY SUSPENSION AXLE
The 30” wheels are fitted to a heavy duty axle with trailing arm rubber mount suspension. For a smoother ride and improved boom stability.

CENTRAL CONTROL PANEL
All controls and filters for filling, flushing, chemical induction and hand washing are mounted on a central control panel. Everything is clearly marked for simple and quick operation.

60 LITRE CHEMICAL INDUCTION HOPPER
A large 60 litre Chem-e-flush hopper can be fully integrated into the sprayer’s control system for ease of chemical handling. Options include a chemical suction probe to induct chemicals from smaller drums and an AgRunner system complete with Micromatic drum fittings.

AIRMIX® AIR-INDUCTION NOZZLES
The SprayWise endorsed AirMix® air-induction nozzles are fitted as standard for improved drift control.
16-24 METRE BOOM, 3000 LITRE TANK

STANDARD FEATURES

SUPERIOR HITCH AND STABLE CHASSIS DESIGN
- Rugged fabricated chassis and hitch designed for maximum durability
- Heavy duty single axle with 18.4 x 30” single wheel tyre
- Height adjustable hitch and swivel eye drawbar to optimise towing balance

BOOM
- Epoxy-powder coated 16, 18, 21 and 24 metre wide fully hydraulic folding booms
- Hydraulic accumulator boom suspension system protects the boom and improves the boom ride
- Hydraulic parallelogram boom lift
- Boom breakaways are fully adjustable with 90° self returning boom ends
- Booms hydraulically side fold and lock for transport
- Self levelling device to keep the boom parallel to the crop
- 3 section boom control
- Non-drip, quick-release nozzle bodies with drift reducing AirMix® air-induction nozzles
- ISOBUS compatible

Also compatible with
- Trimble
- Topcon
- Greenstar

Optional Trimble Ready with Field IQ module available for order

ELECTRIC CONTROLS
In-cab electric controller with master switch, 3-way boom switches and pressure adjustment. Electric motorised valves are easily accessible for servicing.

ROBUST, PRACTICAL TANK DESIGN
3000 litre calibrated polyethylene tank with quick release hinged lid, basket strainer, top/bottom fill, hydraulic venturi agitation, antivortex suction and drain outlet.

ADDITIONAL FEATURES
- AR160 PTO driven diaphragm pump (160 L/min)
- 275 litre flushing tank to rinse in the field
- 15 litre fresh water hand wash tank fitted
- Integrated chemical suction probe fitted
- Integrated GPS options easily adapted to most control systems for precise application
- 60 litre chemical induction hopper

OPTIONAL FEATURES
- 11.2 x 42” wheels for high clearance applications (72” row width)
- Bravo 180S or MT3405 spray rate controller with motorised valves
- Left/right hydraulic wing-lift kit for lifting each boom wing by approximately 15° to overcome obstacles
- Polyethylene mudguards and mudflaps to cut down dust or mud-splash

THE PINTO 3000 REPRESENTS CROPLANDS PHILOSOPHY: ROBUST DESIGN AND GENEROUS DIMENSIONS RESULT IN UNMATCHED DURABILITY.

GENERous 160 L/MIN DIAPHRAGM PUMP
- Plenty of volume for superior agitation and water rate flexibility

HYDRAULIC ACCUMULATOR BOOM SUSPENSION
- For cushioned boom ride

BIG SINGLE WHEELS (30” OR 42”) FITTED TO HEAVY DUTY AXLE
- With less compaction and less crop damage

HEIGHT ADJUSTABLE HITCH AND SWIVEL EYE DRAWBAR
- To optimise weight distribution and balance

HEAVy DUTY EPOXY-POWDER COATED FRAME
- To increase chemical resistance and durability
275 LITRE FLUSHING TANK
The flushing tank provides better boom hygiene. Rinsing can be done in the field as soon as the job is done.

PARALLELOGRAM BOOM LIFT
The hydraulic boom lift provides smooth height control for correct spraying height at the operator’s fingertips.

18.4 X 30” BIG SINGLE WHEEL FITTED TO HEAVY DUTY AXLE
The 30” wheels are fitted to a heavy duty axle and generously matched to the sprayer capacity to provide easy towing and a smoother ride. Optional 11.2 x 42” wheels for higher clearance are available.

60 LITRE CHEMICAL INDUCTION HOPPER
A large 60 litre Chem-e-flush hopper can be fully integrated into the sprayer’s control system for ease of chemical handling. Options include a chemical suction probe to induct chemicals from smaller drums and a AgRunner system complete with micromatic drum fittings.

CENTRAL CONTROL PANEL
All controls and filters for filling, flushing, chemical induction and hand washing are mounted on a central control panel. Everything is clearly marked for simple and quick operation.

AIRMIX® AIR-INDUCTION NOZZLES
The SprayWise endorsed AirMix® air-induction nozzles are fitted as standard for improved drift control.
**STANDARD FEATURES**

**CONSTRUCTION**
Made and partially assembled in Italy by Bargam. These booms are all corrosion resistant. Made with high tensile steel that is epoxy-powder coated for durability.

**SIZE**
Available in 21, 24 and 30 metre widths, all booms hydraulically fold and lift as standard and fold in a gull wing style.

**OPTIONS**
- Independent hydraulic wing lift
- Independent outer wing fold for spraying at half width

**NOZZLE PROTECTION**
Spray rails are mounted ‘internally’ to give nozzle protection.

**NOZZLE SPACING**
- 50 cm on single line as standard
- Triple nozzle bodies available on 50 cm spacing
- Single nozzles only can be done at 25 cm spacing

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**ASSEMBLED, PLUMBED AND FITTED AT OUR ADELAIDE PRODUCTION FACILITY, THESE BOOMS COME IN 33 OR 36 METRE LENGTHS AND ARE EXTREMELY RELIABLE AND SIMPLE TO OPERATE. THESE BOOMS, LIKE THE REST OF OUR RANGE, COME WITH STAINLESS STEEL LINES AS STANDARD AND ARE ALL PLUMBED ON CENTRE.**

**STANDARD FEATURES**

**CONSTRUCTION**
Australian made, in Adelaide for the toughest Aussie conditions. Both chemical and corrosion resistant these booms are all laser cut high tensile steel. All components are epoxy-powder coated for durability.

**SIZE**
Available in 33 and 36 metre, all booms hydraulically fold and lift as standard and fold in a gull wing style.

**OPTIONS**
- Independent hydraulic wing lift
- Independent outer wing fold for spraying at half width

**NOZZLE PROTECTION**
Spray rails are mounted ‘internally’ to give nozzle protection.

**NOZZLE SPACING**
- 50 cm on single line as standard
- Triple nozzle bodies available on 50 cm spacing
- Single nozzles only can be done at 25 cm spacing
**SPRAYER SMARTS**

**BA7000 SPRAY RATE CONTROLLER**

Designed from the ground up and utilising almost 30 years experience in broadacre farming, the fully programmable BA7000 offers a range of features including:

- User-friendly menu
- Backlit for night operations
- Seven individual sections
- Capable of dual boom switching
- Full screen monitoring
- Programmable alarms
- Operating history
- On-the-go spray rate adjustment
- Push-button auto/manual feature for spot treatments
- Solenoid and motorised ball valve compatible
- Flow-based control
- 10 individual operating histories to display total area, flow, litres per hectare

**STANDARD FEATURES**

- High resolution 5.7” TFT display
- 2 camera inputs
- 2 GB internal memory
- Nozzle status display
- Single cable for power and command
- 2 USB ports for data transfer

**OPTIONS INCLUDE**

- Automatic shut-off of individual nozzles
- Auto-boom shut off if using GPS input for up to 13 sections
- Available GPS modes include parallel, curved, pivot and free — accuracy up to 2.5 cm depending on the GPS receiver chosen
- Job export in shape format if using GPS input
- Variable spray rate management through shape prescription maps
- Hydraulic valve control management for boom hydraulic functions
- Level indicator showing the quantity of liquid left in the tank (with optional level sensor)

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**BRAVO 400 SPRAY RATE CONTROLLER**

The Bravo 400S can be configured to suit all field applications when matched to the proper electronic control sensors, actuators and accessories. It can be used as a GPS system and as a field computer for the total management of all application requirements.

**STANDARD FEATURES**

- High resolution 5.7” TFT display
- 2 camera inputs
- 2 GB internal memory
- Nozzle status display
- Single cable for power and command
- 2 USB ports for data transfer

**OPTIONS INCLUDE**

- Automatic shut-off of individual nozzles
- Auto-boom shut off if using GPS input for up to 13 sections
- Available GPS modes include parallel, curved, pivot and free — accuracy up to 2.5 cm depending on the GPS receiver chosen
- Job export in shape format if using GPS input
- Variable spray rate management through shape prescription maps
- Hydraulic valve control management for boom hydraulic functions
- Level indicator showing the quantity of liquid left in the tank (with optional level sensor)

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**BRAVO 180S SPRAY RATE CONTROLLER**

The Bravo 180S is a feature packed spray rate controller designed to meet the requirements of Australian farming. This model is compact and straightforward to operate — offering constant pressure control for precise application.

**STANDARD FEATURES**

- Connectors for GPS and remote main control
- USB drive for data transfer and software update
- Application-specific software: broadacre sprayer, orchard sprayer or multi-row sprayer
- Tank level indication (with optional level sensor)
- Automatic tank profile calibration using the flowmeter. Parameters can be exported via USB
- Automatic adjustment through flow rate or pressure reading (by either the flowmeter or pressure sensor)
- Automatic stop below minimum set pressure, to ensure nozzles always work within their service range
- Automatic shut-off of main valve below minimum work speed set by user
- 10 job configurations can be stored (spray rate, nozzles, etc.) and recalled when necessary
- Visual and sound alarms
- Temporary increase and decrease of liquid output
- Information displayed: application rate, speed, pressure, flow rate, sprayed quantity, tank level, area covered, spraying duration, distance covered

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**BRAVO 400 SPRAY RATE CONTROLLER**

The Bravo 400S can be configured to suit all field applications when matched to the proper electronic control sensors, actuators and accessories. It can be used as a GPS system and as a field computer for the total management of all application requirements.

**STANDARD FEATURES**

- High resolution 5.7” TFT display
- 2 camera inputs
- 2 GB internal memory
- Nozzle status display
- Single cable for power and command
- 2 USB ports for data transfer

**OPTIONS INCLUDE**

- Automatic shut-off of individual nozzles
- Auto-boom shut off if using GPS input for up to 13 sections
- Available GPS modes include parallel, curved, pivot and free — accuracy up to 2.5 cm depending on the GPS receiver chosen
- Job export in shape format if using GPS input
- Variable spray rate management through shape prescription maps
- Hydraulic valve control management for boom hydraulic functions
- Level indicator showing the quantity of liquid left in the tank (with optional level sensor)
# Trailed Sprayer Selection Guide

<table>
<thead>
<tr>
<th>Specification</th>
<th>Pegasus 8000</th>
<th>Pegasus 7000</th>
<th>Pegasus 6000</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions (Metres)</strong></td>
<td>W 2.6 x L 8.7 x H 3.9 (30 metre)</td>
<td>NA – only fitted with 33 or 36 metre</td>
<td>W 2.6 x L 8.4 x H 3.7 (30 metre)</td>
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<tr>
<td><strong>Dimensions When 33 or 36 Metre Fitted (Metres)</strong></td>
<td>W 3.5 x L 8.7 x H 3.9 (36 metre)</td>
<td>W 3.75 x L 9.35 H 4.05 (36 metre)</td>
<td>W 3.5 x L 8.4 x H 3.5 (36 metre)</td>
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<tr>
<td><strong>Weight (Dry Approx)</strong></td>
<td>6,900 kg (36 metre)</td>
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<td>4,800 kg (36 metre)</td>
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<tr>
<td><strong>Tank Sizes</strong></td>
<td>8,000 litre</td>
<td>7,000 litre</td>
<td>6,000 litre</td>
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<tr>
<td><strong>Tank Volume Indicator</strong></td>
<td>Calibrated tube</td>
<td>Calibrated tank + ARAG</td>
<td>Calibrated tube</td>
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<tr>
<td><strong>Agitation</strong></td>
<td>Dual Superflo + sparge-tube</td>
<td>Dual Superflo agitation + bypass</td>
<td>Dual Superflo agitation + bypass</td>
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<td><strong>DRAINAGE</strong></td>
<td>2” drain valve</td>
<td>2” drain valve</td>
<td>2” drain valve</td>
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<tr>
<td><strong>Flushing Tank</strong></td>
<td>700 litre</td>
<td>1,500 litre</td>
<td>470 litre</td>
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<tr>
<td><strong>Tank Rinse System</strong></td>
<td>Dual rotating flushing nozzle</td>
<td>Dual rotating flushing nozzle</td>
<td>Rotating flushing nozzle</td>
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<tr>
<td><strong>Filler (Standard)</strong></td>
<td>2” male Camlock comes with non-return valve and filter</td>
<td>2” male Camlock comes with non-return valve and filter</td>
<td>2” male Camlock comes with non-return valve and filter</td>
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<tr>
<td><strong>Filling Flowmeter (Optional)</strong></td>
<td>2” ARAG Wolf</td>
<td>N/A</td>
<td>2” ARAG Wolf</td>
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<tr>
<td><strong>Hand Wash Tank</strong></td>
<td>35 litre</td>
<td>20 litre</td>
<td>20 litre</td>
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<tr>
<td><strong>Hitch</strong></td>
<td>Height adjustable comes with air-ride suspension</td>
<td>Height adjustable comes with air-ride suspension</td>
<td>Height adjustable comes with swivel eye and safety chain</td>
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<td><strong>Jack Stand</strong></td>
<td>heavy duty hydraulic retractable for clearance</td>
<td>heavy duty retractable for high clearance</td>
<td>heavy duty retractable for high clearance</td>
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<tr>
<td><strong>Axle (Adj. 3 Metre Standard on 33–36 Metre Models)</strong></td>
<td>2.5 metre and 3 metre adjustable kit</td>
<td>3 metre fixed with air ride suspension</td>
<td>2.2 metre (optional 3 metre kit) and 3 metre adjustable kit</td>
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<td><strong>Axle Suspension</strong></td>
<td>Load sensing air bag type standard</td>
<td>Load sensing air bag type standard</td>
<td>Load sensing air bag type standard</td>
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<tr>
<td><strong>Air System (if Fitted)</strong></td>
<td>12 volt electric system comes with reservoir</td>
<td>12 volt electric system comes with reservoir</td>
<td>Direct drive high capacity system comes with reservoir</td>
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<td><strong>Mudguards (Optional)</strong></td>
<td>Full width 1/2 wheel type</td>
<td>Full width 1/2 wheel type (standard)</td>
<td>Full width 1/2 wheel type</td>
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<td><strong>Mudflaps (Optional)</strong></td>
<td>Croplands branded flex type</td>
<td>Croplands branded flex type (standard)</td>
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<td><strong>Tyres</strong></td>
<td>710/70R x 42”</td>
<td>710/70R x 42”</td>
<td>20.8 x 42”</td>
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<td><strong>Axle Rating</strong></td>
<td>15,500 kg @ 40 km/h</td>
<td>16,250kg @ 23kmh</td>
<td>14,000 kg @ 25 km/h</td>
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<td><strong>Pump (Air Positive Displacement Diaphragm Type)</strong></td>
<td>AR250 ForceField 9316CM-M10</td>
<td>AR185 LFP (optional AR250)</td>
<td>AR185 LFP (optional AR250)</td>
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<td><strong>Pump Drive (PTO Standard)</strong></td>
<td>Hydraulic drive standard (550rpm max)</td>
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<td>Hydraulic drive (optional) (550rpm max)</td>
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<td><strong>Filtration</strong></td>
<td>5 point filtration</td>
<td>5 point filtration</td>
<td>5 point filtration</td>
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<tr>
<td><strong>Boom Shutoff Valves</strong></td>
<td>ARAG motorised 5 section (optional 7–9 section)</td>
<td>ARAG motorised 5 section (optional 7–9 section)</td>
<td>ARAG motorised 5 section (optional 7–9 section)</td>
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<td><strong>Controller</strong></td>
<td>BA7000 (optional Bravo 400S)</td>
<td>BA7000 Bravo 180S (optional Bravo 400S)</td>
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<tr>
<td><strong>System Operation/Work Station</strong></td>
<td>Compact rotary selector-valve system</td>
<td>Colour-coded rotary selector-valve system</td>
<td>Compact rotary selector-valve system</td>
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<tr>
<td><strong>Boom Range</strong></td>
<td>33–36 metre</td>
<td>33–36 metre</td>
<td>30–36 metre</td>
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<td><strong>33–36 Metre Boom</strong></td>
<td>Heavy duty spring loaded yaw control</td>
<td>Heavy duty spring loaded yaw control</td>
<td>Heavy duty spring loaded yaw control</td>
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<td><strong>Boom Suspension</strong></td>
<td>Nitrogen accumulator type</td>
<td>Nitrogen accumulator type</td>
<td>Nitrogen accumulator type</td>
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<td><strong>Hydraulic Controls</strong></td>
<td>Direct remote elec/hydraulic (in-cab)</td>
<td>Direct remote elec/hydraulic (in-cab)</td>
<td>Direct remote elec/hydraulic (for more than 2 functions) (in-cab)</td>
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<td><strong>Hydraulic Wing Lift</strong></td>
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<td>Optional</td>
<td>Optional</td>
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<tr>
<td><strong>Boom Breakaways</strong></td>
<td>Self returning on outer wing</td>
<td>Self returning on outer wing</td>
<td>Self returning on outer wing</td>
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<td><strong>Boom Height Adjustment</strong></td>
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<td>2,000mm parallelogram type</td>
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<td><strong>Boom Pluming (on Centre)</strong></td>
<td>Low friction stainless steel boom tube</td>
<td>Low friction stainless steel boom tube</td>
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<td><strong>Boom Flushing Taps</strong></td>
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<td>Fitted to all boom tube sections</td>
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<td><strong>Nozzles</strong></td>
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<td>AirMix 110-02 standard</td>
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<td><strong>Twin Nozzle Switching</strong></td>
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<td>Optional</td>
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<tr>
<td><strong>Fence Line Sprayer Assembly</strong></td>
<td>Optional manual or electric control</td>
<td>Optional manual or electric control</td>
<td>Optional manual or electric control</td>
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<tr>
<td><strong>Fill System</strong></td>
<td>Optional hi-flow hydraulic drive fill pump</td>
<td>Remote fill pump required</td>
<td>Optional hi-flow hydraulic drive fill pump</td>
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<tr>
<td><strong>Chemical Mixing and Induction</strong></td>
<td>100 litre standard with drop leg</td>
<td>60 litre standard with drop leg</td>
<td>60 litre standard with drop leg</td>
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<tr>
<td><strong>Chemical Induction Probe Comes with Drum Rinse</strong></td>
<td>Optional</td>
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<td>Optional</td>
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<tr>
<td><strong>Envirodrum Transfer System</strong></td>
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<td>Optional</td>
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<tr>
<td><strong>PEGASUS 5000</strong></td>
<td><strong>PINTO 4000</strong></td>
<td><strong>PINTO 3000</strong></td>
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<tr>
<td>W 2.6 x L 7.7 x H 3.3 (30 metre)</td>
<td>W 2.5 x L 6.4 x H 3.4</td>
<td>W 2.65 x L 6.6 x H 3.3</td>
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<tr>
<td>W 3.5 x L 8.4 x H 3.4 (33 metre)</td>
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<tr>
<td>4,300 kg (30 metre)</td>
<td>2,300 kg (21 metre)</td>
<td>2,100 kg (21 metre)</td>
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<tr>
<td>5,000 litre</td>
<td>4,000 litre</td>
<td>3,000 litre</td>
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<tr>
<td>Calibrated tube</td>
<td>Calibrated tube</td>
<td>Graduated tank</td>
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<tr>
<td>Dual Superflo agitation + bypass</td>
<td>Dual Superflo agitation + bypass</td>
<td>Dual Superflo agitation + bypass</td>
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<tr>
<td>2” drain valve</td>
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<td>470 litre</td>
<td>275 litre</td>
<td>275 litre</td>
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<td>Rotating flushing nozzle</td>
<td>Rotating flushing nozzle</td>
<td>Rotating flushing nozzle</td>
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<tr>
<td>2” male Camlock comes with non-return valve and filter</td>
<td>1 ½” Camlock comes with non-return valve</td>
<td>1 ½” Camlock comes with non-return valve</td>
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<tr>
<td>2” ARAG Wolf</td>
<td>2” ARAG Wolf</td>
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<tr>
<td>20 litre</td>
<td>15 litre</td>
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<tr>
<td>Height adjustable comes with swivel eye and safety chain</td>
<td>Height adjustable comes with swivel eye and safety chain</td>
<td>Height adjustable comes with swivel eye and safety chain</td>
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<tr>
<td>Heavy duty retractable for high clearance</td>
<td>Height adjustable removable type</td>
<td>Height adjustable removable type</td>
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<tr>
<td>2.2 metre (optional 3 metre kit) and 3 metre adjustable kit</td>
<td>2 metre fixed</td>
<td>2 metre fixed</td>
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<tr>
<td>Load sensing air bag type (optional)</td>
<td>Rubber spring</td>
<td>Rubber spring option</td>
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<tr>
<td>Direct drive high capacity system comes with reservoir</td>
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<tr>
<td>Full width ½ wheel type</td>
<td>Full width ½ wheel type</td>
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<td>Croplands branded flex type</td>
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<tr>
<td>670mm</td>
<td>580mm</td>
<td>580mm</td>
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<tr>
<td>18.4 x 38” (optional 18.4 x 42” radial)</td>
<td>18.4 x 30” (optional 11.2 x 42” rowcrop – 72” track)</td>
<td>18.4 x 30” (optional 11.2 x 42” rowcrop – 72” track)</td>
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<tr>
<td>11,000 kg @ 25 km/h</td>
<td>6,500 kg @ 25 km/h</td>
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<tr>
<td>AR185 LFP (optional AR250)</td>
<td>AR160 (optional AR250)</td>
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<td>Hydraulic drive (optional) (550rpm max)</td>
<td>Hydraulic drive (optional) (550rpm max)</td>
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<tr>
<td>5 point filtration</td>
<td>4 point filtration</td>
<td>4 point filtration</td>
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<tr>
<td>ARAG motorised 5 section (optional 7 section)</td>
<td>Geoline motorised 3 section (optional 5 section)</td>
<td>Geoline motorised 3 section (optional 5 section)</td>
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<td>Bravo 180S (optional Bravo 400S)</td>
<td>ARAG 3 section in-cab switchbox comes with pressure control (optional Bravo 180S)</td>
<td>ARAG 3 section in-cab switchbox comes with pressure control (optional Bravo 180S)</td>
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<td>Compact rotary selector-valve system</td>
<td>4-way ball valve selector system</td>
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<td>24–36 metre</td>
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<td>16–24 metre</td>
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<td>Nitrogen accumulator type</td>
<td>Nitrogen accumulator</td>
<td>Nitrogen accumulator</td>
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<td>Direct remote (elec/hydraulic for more than 2 functions) (in-cab)</td>
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<td>Self returning on outer wing</td>
<td>Self returning on outer wing</td>
<td>Self returning on outer wing</td>
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<tr>
<td>2,000mm parallelogram type</td>
<td>1,500mm parallelogram type</td>
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<td>Low friction stainless steel boom tube</td>
<td>Low friction stainless steel boom tube</td>
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<td>Fitted to all boom tube sections</td>
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<tr>
<td>AirMix 110-02 standard</td>
<td>AirMix 110-02 standard</td>
<td>AirMix 110-02 standard</td>
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<td>Optional manual or electric control</td>
<td>Optional manual or electric control</td>
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<td>Optional hydraulic drive fill pump</td>
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<tr>
<td>60 litre standard with drop leg</td>
<td>Remote fill pump required</td>
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## NATIONALWIDE DEALER LISTING

### ACT and NSW

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<th>Contact Number</th>
<th>Details</th>
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<tr>
<td>Bathurst</td>
<td>02 6332 5855</td>
<td>On-Trac Ag</td>
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<tr>
<td>Canberra</td>
<td>02 6284 2282</td>
<td>S&amp;L Morrison</td>
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<tr>
<td>Cowra</td>
<td>02 6342 5555</td>
<td>Cowra Machinery Centre</td>
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<td>Forbes</td>
<td>02 6882 3211</td>
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<tr>
<td>Goulburn</td>
<td>02 4821 4148</td>
<td>Goulburn Farm Machinery</td>
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<tr>
<td>Griffith</td>
<td>02 6696 4000</td>
<td>Griffith Agrimac</td>
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<td>Gunnedah</td>
<td>02 6742 7771</td>
<td>NFS-Ag</td>
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<td>Hawera</td>
<td>02 4961 8275</td>
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<tr>
<td>Mildura</td>
<td>02 6372 2602</td>
<td>Black Truck &amp; Ag</td>
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<td>Mongie</td>
<td>02 6368 5886</td>
<td>On-Trac Ag</td>
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<td>Parkes</td>
<td>02 6682 3888</td>
<td>McPherson’s Parts &amp; Service</td>
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<td>South Lismore</td>
<td>02 6622 0003</td>
<td>Agrisales</td>
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<td>Tara</td>
<td>02 6652 5833</td>
<td>Kentan Machinery</td>
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<td>Temora</td>
<td>02 6977 1098</td>
<td>Temora Truck &amp; Tractor Service</td>
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<td>Tottenham</td>
<td>02 6862 4078</td>
<td>Western Farm Machinery</td>
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<td>Wagga Wagga</td>
<td>02 6925 0427</td>
<td>JW Harvest &amp; Tillage Support</td>
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<td>Walga</td>
<td>02 6823 1500</td>
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<td>Walla Walla</td>
<td>02 6209 2151</td>
<td>C.J. &amp; L.J. Wiesner</td>
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<td>Warren</td>
<td>02 6847 3422</td>
<td>Western Farm Machinery</td>
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<td>West Wyalong</td>
<td>02 6872 1057</td>
<td>Galagher's Machinery</td>
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<tr>
<td>Young</td>
<td>02 6382 7233</td>
<td>Cartwrights Machinery</td>
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### SOUTH AUSTRALIA

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<td>Albury Tractor Sales &amp; Service</td>
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<td>Boyup Brook</td>
<td>08 9765 1305</td>
<td>Boyup Brook Tractor Sales</td>
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<td>Bunbury</td>
<td>08 9742 1060</td>
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<td>Carnarvon</td>
<td>08 9491 3622</td>
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<td>Cowaramup</td>
<td>08 9755 5207</td>
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<td>Cunderdin</td>
<td>08 9635 1364</td>
<td>Cunderdin Ag Implements</td>
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<td>Dalwallin</td>
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<td>08 9731 0700</td>
<td>Dannyebrook Machinery West</td>
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### OUR RANGE OF BUYERS’ GUIDES

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- 08 8349 6175
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- Tel. 1800 8359 9300
- Fax. 08 8349 6175
- Technical Service. 1300 650 724