

GOLDACRES
Australia's World Class Sprayers

40 YEARS 78-18



3PL range

450-2000L

goldacres.com.au/3pl

3PL frame sizes - Small, medium

For more than 40 years Goldacres have provided Australian farmers and contractors with the industries best spraying equipment.

Like all Goldacres sprayers, the 3PL range have been designed and manufactured in Australia using only the best components from both local and reputable leading international suppliers. This approach has put Goldacres at the top when it comes to quality, features, options

and backup service covered by an Australia wide dealer network.

If you are serious about farming, then look no further than the Goldacres range of 3PL sprayers to get the job done.

SMALL FRAME - page 4



The small frame 3PL units are designed for use on smaller tractors with typically 40 to 100hp and category 2 rear linkage equipment. Available in four tank sizes, 450, 600, 800 & 1000L and optional booms ranging from 4 to 12m in width. All units can be purchased as pre-configured "work ready" versions, or individual models can be built up to match your needs.

MEDIUM FRAME - page 14



The medium frame 3PL sprayers have been designed for fitment of wider booms. The narrow, tall tank places the weight as close to the tractor as possible for optimum weight transfer to the tractor. One tank size of 1200L and multiple boom options ranging from 10 to 18m in width. Suited to larger tractors with category 2 rear linkage equipment.



& large

LARGE FRAME - page 25



The large frame 3PL is for growers needing big tank volumes and extra wide booms. Tank sizes ranging from 1500 to 2000L and booms up to 28m wide. The large frame 3PL is designed for large tractors with category 3 rear linkage equipment.

FRONT MOUNT - pages 34



Expand the capacity of your existing rear mounted 3PL unit by adding a front mount tank module. Available as a 1200L pre-configured model or talk to your local Goldacres dealer about ordering a more specific version to suit your requirements.

3PL - Small frame





GOLDACRES

1000L shown with 10m Crossfold boom.
Optional Chem probe fitted.



Small frame features

The small frame range of 3PL sprayers are the perfect blend of function and style with a wide range of models and options to suit just about every spraying situation.

Packed with quality components and features these sprayers are designed for operators who rely on their equipment to get the job done, year after year.

- 1 The small frame 3PL chassis utilizes metric size Australian made steel to create a light yet extremely strong structure. The key to its strength is the combination of square hollow sections (SHS), rectangle hollow sections (RHS), pipe members and precision laser cut plates placed in strategic locations. All these sections are fully welded into a cube like structure which helps share the loads evenly around the frame.
- 2 Goldacres four stage paint process. 1. Grit blasting which cleans and prepares the steel surface for the ultimate paint adhesion. 2. High build primer / filler flattens out the surface and is key to giving the top coat not only an optimum substrate to adhere to but that smooth “wet” look. 3. Wet top coat using the highest quality Australian made paint. Specially formulated for Goldacres, the top coat provides a finish which has excellent mar resistance (the resistance to abrasive action like scratching) and also a very high tolerance to aggressive chemicals. 4. High temperature baking which cures the paint
- 3 Australian made rotationally moulded thick wall UV stable tank with an extra deep centre sump design. Smooth internal wall aids rinsing and decontamination. Sizes in 450, 600, 800 & 1000L
- 4 A 23L handwash tank is incorporated into the main tank, yet completely separated. This eliminates the possibility of any cross contamination between the clean water and the main tank mix .
- 5 Extra large hinged lid makes pouring in liquid or powder chemicals mess free.
- 6 High volume high pressure three piston diaphragm pump with 540 rpm PTO shaft provides smooth consistent water flow to the boom or spray gun.
- 7 A pump suction filter with shut off allows the operator to remove and clean the strainer even when the sprayer tank is full. Suction filter stops contaminants entering the pump and greatly reduces the chances of nozzle blockages.
- 8 A three section manual control valve with master dump feature controls the flow to the spray gun plus left and right boom nozzles. An adjustable pressure regulator valve is fitted to set the maximum system pressure for precise spot or boom spraying control. Electric section and pressure regulation control can also be fitted for easy in cab adjustment.
- 9 All spray hoses are constructed using a Nitrile liner. This liner helps resist the effects of the most aggressive chemicals from damaging the hose.
- 10 Front mounted tank level sight tube allows the operator to visually check from within the tractor.
- 11 30m hose reel (450, 600 & 800L) and pistol grip spray gun with adjustable nozzle. 1000L has hose reel mounted to the side for easy access.
- 12 Booms, choose from 14 models ranging from 4m through to 12m in width. More information on booms can be found on pages 26-41.



Shown with optional Chem probe fitted.

Small frame specifications

Pre-configured "Work Ready" small frame sprayers

450L



600L



800L



800L - Electric



1000L



1000L - Electric



Features	450L GA4907150	600L GA4907155	800L GA4907160	800L electric GA4907170	1000L GA4907165	1000L electric GA4907175
Diaphragm pump 70 l/min	Std	Std	Std	Std	Std	Std
Manual control 3 way	Std	Std	Std	N/A	Std	N/A
Electric control 3 way	N/A	N/A	N/A	Std	N/A	Std
Suction filter with shutoff	Std	Std	Std	Std	Std	Std
23L hand wash tank	Std	Std	Std	Std	Std	Std
Side mounted 30m hose reel	N/A	N/A	N/A	N/A	Std	Std
AA30 gunjet	Std	Std	Std	Std	Std	Std
Access step	N/A	N/A	N/A	N/A	Std	Std
Maximum width boom that can be fitted.	8m	10m	12m	12m	12m	12m

Note: No boom supplied with "Work Ready" models, booms can be found on pages 26-35.



Configurable small frame sprayers

Talk to your local dealer about configuring your next small frame sprayer

Features	450L	600L	800L	1000L
70 l/min pump	Std	Std	Std	Std
85 l/min pump	Option	Option	Option	Option
3 way manual control & regulator	Option	Option	Option	Option
4 way manual control & regulator	Option	Option	Option	Option
Electric section & regulator upgrade	Option	Option	Option	Option
Automatic rate control SCS440	N/A	N/A	N/A	Option
Top mounted bottom fill	N/A	Option	Option	Option
Venturi Probe	Option	Option	Option	Option
Foam marker double sided 22L	Option	Option	Option	Option
Single sided manual fence line jet	Option	Option	Option	Option
Single sided electric fence line jet	Option	Option	Option	Option
4m manual fold	Option	Option	Option	Option
6m manual fold	Option	Option	Option	Option
6m hydraulic vertical fold	Option	Option	Option	Option
8m manual fold	Option	Option	Option	Option
8m manual cross fold	N/A	Option	Option	Option
8m hydraulic vertical fold	N/A	Option	Option	Option
10m manual flat fold (galvanized)	N/A	Option	Option	Option
10m manual crossfold	N/A	N/A	Option	Option
10m manual crossover	N/A	N/A	Option	Option
10m hydraulic vertical fold	N/A	N/A	Option	Option
12m manual flat fold	N/A	N/A	Option	Option
12m manual crossover	N/A	N/A	Option	Option
12m hydraulic vertical fold	N/A	N/A	Option	Option
12m Krono hydraulic fold	N/A	N/A	Option	Option
Lift kit to suit Krono boom	N/A	N/A	Option	Option
Slant kit to suit Krono boom	N/A	N/A	Option	Option
Vine boom 7 nozzle	Option	Option	Option	Option
Vine boom double sided 8 nozzle	Option	Option	Option	Option
Vine boom double sided 12 nozzle	Option	Option	Option	Option
Trijet nozzle bodies	Option	Option	Option	Option

3PL - Medium frame





1200L shown with 15m Delta boom




Medium frame features

For farmers or contractors looking for a higher capacity 3PL with larger tank volumes and wider booms the medium frame range has you covered.

Central to the design is the high strength frame which can support a 1200L tank and booms in three different styles of up to 18m in width. Each sprayer is individually built to suit your requirements from our extensive range of options.

Base sprayer standard features

- 1 The frame utilizes metric size Australian made steel to create a light yet extremely strong structure. The key to its strength is the combination of square and rectangle hollow sections (SHS & RHS) and precision laser cut plates placed in strategic locations. The frame is also very narrow which helps to keep the boom as close as possible to the tractor wheels for better weight distribution. Wide retractable support legs provide stability when the sprayer is disconnected from the tractor.
 - 2 Goldacres four stage paint process. 1. Grit blasting which cleans and prepares the steel surface for the ultimate paint adhesion. 2. High build primer / filler flattens out the surface and is key to giving the top coat not only an optimum substrate to adhere to but that smooth “wet” look. 3. Wet top coat using the highest quality Australian made paint. Specially formulated for Goldacres, the top coat provides a finish which has excellent mar resistance (the resistance to abrasive action like scratching) and also a very high tolerance to aggressive chemicals. 4. High temperature baking which cures the paint
 - 3 Australian made 1200L rotationally moulded thick wall UV stable tank with an extra deep centre sump design. Smooth internal wall aids rinsing and decontamination.
 - 4 45L rinse tank is fitted which can be used to flush out the pump and boom lines at the end of the spray job whilst still in the field.
 - 5 Extra large hinged lid makes pouring in liquid or powder chemicals mess free.
 - 6 High volume high pressure (140 l/min 20 bar) three piston diaphragm pump with 540 rpm PTO shaft provides smooth consistent water flow to the boom or spray gun.
 - 7 A pump suction filter with three way ball valve allows the operator to switch between drawing from the main tank and the rinse tank. The off position also allows the strainer to be removed and cleaned even when the sprayer tank is full.
 - 8 Twin pressure line filters greatly reduce the chances of nozzle blockages. The first filter is a coarse mesh while the second is finer.
 - 9 Venturi agitator fitted to the tank greatly improves the consistency of the tank mix over the course of the spray job.
 - 10 23L handwash tank with provision to store a liquid soap dispenser
- 



- 11 Chemical venturi probe is used to draw chemicals into the main tank. This type of chemical induction means that at no stage does neat chemical come into contact with the pump, which could cause corrosion problems.
- 12 Top mounted bottom fill allows the water to be pumped in through the top of the tank and down to the bottom. This method reduces foaming and also minimises the risk of contaminating the water source if the transfer pump stops unexpectedly.
- 13 All spray hoses are constructed using a Nitrile liner. This liner helps resist the effects of the most aggressive of chemicals from damaging the hose.
- 14 Electric section and pressure regulation control is fitted for easy in cab adjustment. While an external control station is used to operate auxiliary functions like chemical transfer and agitating. An adjustable pressure regulator valve is fitted to set the maximum system pressure.
- 15 Front mounted tank level sight tube allows the operator to visually check from within the tractor.



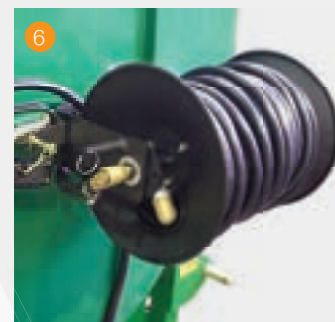
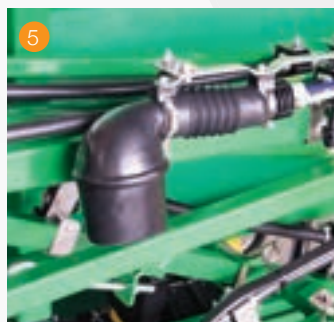
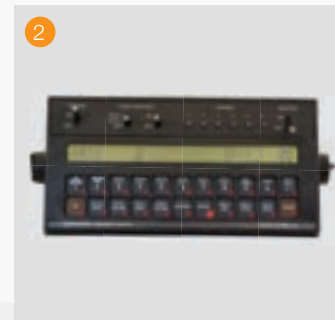
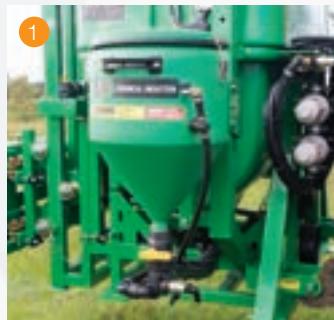
12m Crossover boom shown



Medium frame options / specifications

Optional equipment

- 1 Induction hopper. The 40L capacity chemical induction hopper is an integrated chemical transfer system that allows liquids, granular and powdered products to be measured and transferred into the main tank. The hopper has both drum and internal rinsing capabilities. The high flow venturi is mounted at the base of the hopper which draws chemical into the water stream at that point, minimising the chance of blockages. Plumbed from the external filling point the internal tank rinse nozzle with rotating head quickly and easily decontaminates the inside of the tank.
- 2 Raven SCS450 automatic rate controller adjusts the flow rate according to speed to maintain a consistent spray application rate. Features include up to five boom section control, two pre-set application rates plus a manual mode, display of ground speed and flow rate plus other counters.
- 3 ISO BUS control system. This system allows the sprayer to be controlled using a virtual terminal (VT) which might also be used for other duties, like mapping or tractor steering. The brains of the system, called a node is mounted to the sprayer, this node does all the control work. The VT simply displays and communicates all the information to the operator.
- 4 Do away with the pto shaft with a hydraulic drive kit. Neatly adapts to the existing pump and is run directly from the tractor remotes. When used in conjunction with the Raven SCS450 then pump rpm can also be monitored.



- 5 Double sided 22L foam marker is ideal for operators wanting a cost effective method of guidance. Can switch from left to right hand side within the cabin.
- 6 30m hose reel with a choice of three different spray guns, TeeJet AA30, TeeJet AA43 and Turbo 400

Options

Configurable medium frame sprayers

Talk to your local dealer about configuring your next medium frame sprayer

Features	With Krono style booms	With Delta style booms	With Crossover style booms
140 l/min diaphragm pump with PTO drive	Std	Std	Std
Hydraulic drive for pump	Option	Option	Option
30m manual wind hose reel	Option	Option	Option
AA30 gunjet	Option	Option	Option
AA43 gunjet	Option	Option	Option
Turbo 400 gunjet	Option	Option	Option
Top mounted bottom fill	Std	Std	Std
Chemical venturi probe	Std	Std	Std
Tank agitator	Std	Std	Std
Suction filter & twin pressure filters	Std	Std	Std
Rinse tank 45L	Std	Std	Std
Separate 23L hand wash tank	Std	Std	Std
Foam marker double sided 22L	Option	Option	Option
In cab section control with electric pressure regulation	Std	Std	Std
Automatic rate controller Raven SCS450	Option	Option	Option
ISO BUS control system	Option	Option	Option
Boom plumbed in 3 sections	Std	Std	Std
Boom plumbed in 4 sections	Option	Option	Option
Boom plumbed in 5 sections	Option	Option	Option
Fence line nozzle single sided	Option	Option	Option
Fence line nozzle double sided	Option	Option	Option
Fence line nozzle single sided electric	Option	Option	Option
Fence line nozzle double sided electric	Option	Option	Option
Trijet nozzle bodies	Option	Option	Option
Krono 12m boom	Option	N/A	N/A
Krono 15m boom with hydraulic lift & slant	Option	N/A	N/A
Hydraulic lift to suit Krono 12m boom	Option	N/A	N/A
Boom slant kit to suit Krono 12m boom	Option	N/A	N/A
Delta 12m boom	N/A	Option	N/A
Delta 15m boom	N/A	Option	N/A
Delta 18m boom	N/A	Option	N/A
Individual boom wing tilt	N/A	Option	N/A
Crossover 10m boom	N/A	N/A	Option
Crossover 12m boom	N/A	N/A	Option
Roller lift boom tower with 900mm travel and suspension	N/A	Std	N/A
Hydraulic boom height adjustment with 900mm	N/A	N/A	Option
Twin link suspension suit crossover booms	N/A	N/A	Option
Electric over hydraulic spool valves for boom functions	Option	Option	N/A

Note: Booms can be chosen from pages 26-41

3PL - Large frame





1800L with 24m TriTech boom shown



Large frame features

If size matters then the large frame three point linkage is for you. Designed as an alternative to a trailed sprayer with tanks sizes ranging from 1500L through to 2000L and three different boom styles from 15m to 28m.

The versatility of the large frame 3PL has meant it has found homes in cereal, cotton and horticulture areas right across Australia. All models are fully configurable to suit your individual needs.

Base sprayer standard features

- 1 The frame utilizes thick walled Australian made steel to create an extremely strong structure, essential when fitting wider booms. The key to its strength is the combination of square and rectangle hollow sections (SHS & RHS) and precision laser cut plates placed in strategic locations. The frame is also very narrow which helps to keep the boom as close as possible to the tractor wheels for better weight distribution. The tractor pick up points are designed to suit a category three linkage equipment. Retractable support legs provide stability when the sprayer is disconnected from the tractor.
- 2 Goldacres four stage paint process. 1. Grit blasting which cleans and prepares the steel surface for the ultimate paint adhesion. 2. High build primer / filler flattens out the surface and is key to giving the top coat not only an optimum substrate to adhere to but that smooth “wet” look. 3. Wet top coat using the highest quality Australian made paint. Specially formulated for Goldacres the top coat provides a finish which has excellent mar resistance (the resistance to abrasive action like scratching) and also a very high tolerance to aggressive chemicals. 4. High temperature baking which cures the paint
- 3 Australian made rotationally moulded thick wall UV stable tank with an extra deep centre sump design. Smooth internal wall aids rinsing and decontamination. The tanks are available in 1500, 1800 and 2000L capacities.
- 4 100L saddle style rinse tank mounted to the top of the main product tank. The rinse tank can be used to flush out the pump and boom lines at the end of the spray job whilst still in the field.
- 5 Tank level sight tubes (main and rinse tank) allows the operator to visually check volumes from inside the tractor.
- 6 High volume high pressure (170 l/min 20 bar) three piston diaphragm pump with 540 rpm PTO shaft provides smooth consistent water flow to the boom. If more flow is required then this pump can be upgraded to a 260 l/min unit.
- 7 A pump suction filter with three way ball valve allows the operator to switch between drawing from the main tank and the rinse tank. The off position also allows the strainer to be removed and cleaned even when the sprayer tank is full.
- 8 Twin pressure line filters greatly reduce the chances of nozzle blockages. The first filter is a coarse mesh while the second is finer.
- 9 Venturi agitator fitted to the tank greatly improves the consistency of the tank mix over the course of the spray job.
- 10 Chemical venturi probe is used to draw neat chemicals into the main tank. This type of chemical induction means that at no stage does neat chemical come into contact with the pump, which could cause corrosion problems.



11 Plumbed from the external filling point the internal tank rinse nozzle with rotating head quickly and easily decontaminates the inside of the tank.

12 Top mounted bottom fill allows the water to be pumped in through the top of the tank and down to the bottom. This method reducing foaming and also reduces the risk of contaminating the water source if the transfer pump stops unexpectedly.

13 All spray hoses are constructed using a Nitrile liner. This liner helps resist the effects of the most aggressive of chemicals from damaging the hose.

14 Electric section and pressure regulation control is fitted for easy in cab adjustment. While an external control station is used to operate auxiliary functions like chemical transfer and agitating. An adjustable pressure regulator valve is fitted to set the maximum system pressure.

Choice of three different booms. Refer to booms section for more information.



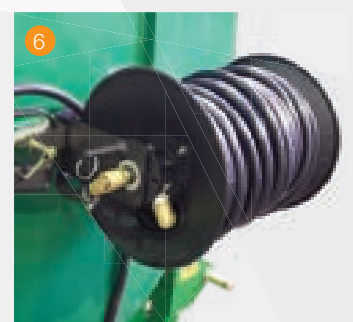
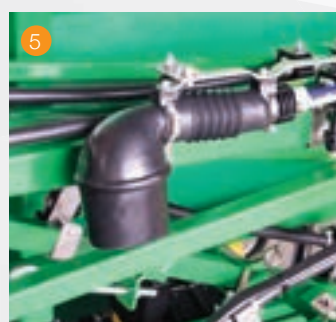
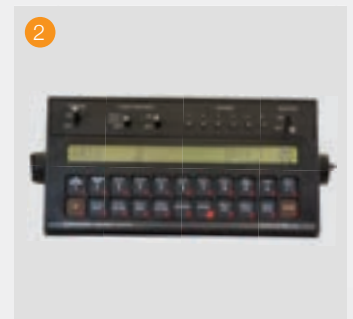
1500L with Krono 15m boom shown

Large frame options

Optional equipment

- 1 Induction hopper. The 40L capacity chemical induction hopper is an integrated chemical transfer system that allows liquids, granular and powdered products to be measured and transferred into the main tank. The hopper has both drum and internal rinsing capabilities. The high flow venturi is mounted at the base of the hopper which draws chemical into the water stream at that point, minimising the chance of blockages.
- 2 Raven SCS450 and SCS4400 automatic rate controllers adjusts the flow rate according to speed to maintain a consistent spray application rate. Features include up to five boom sections control on the SCS450 and seven section on SCS4400, pre-set application rates plus a manual mode, display of ground speed and flow rate plus many other counters.
- 3 ISO BUS control system. This system allows the sprayer to be controlled using a virtual terminal (VT) which might also be used for other duties, like mapping or tractor steering. The brains of the system, called a node is mounted to the sprayer, this node does all the control work. The VT simply displays and communicates all the information to the operator. Can control up to ten boom sections
- 4 Do away with the pto shaft with a hydraulic drive kit. Neatly adapts to the existing pump and is run directly from the tractor remotes. When used in conjunction with the Raven SCS450 then pump rpm can also be monitored. If a non Raven monitor is fitted then Goldacres can supply a separate pump rpm monitor.
- 5 An electric over hydraulic manifold can be fitted to the sprayer if your tractor does not have enough hydraulic remotes. The manifold is fitted with flow control valves and load holding checks where required and can be configured to control up to six functions.

- 6 45L exacta foam marker can be installed as a simple, low cost alternative to a GPS system. The exacta foam marker uses separate water and detergent tanks. Final mixing with the liquid and air is done out at the boom ends with a foam generator to produce high volumes of dense foam. Available in single or double sided.
- 7 Ultrasonic boom height control systems can be fitted to the TriTech series of booms. A combination of ultrasonic sensors mounted on the boom wings and on board computers adjust the wing tilt hydraulic cylinders to help maintain a consistent boom height above the target. Perfect for use in





Configurable medium frame sprayers

Talk to your local dealer about configuring your next medium frame sprayer

Features	Delta booms	TriTech booms	Krono booms
1500L main product tank	Option	Option	Option
1800L main product tank	Option	Option	Option
2000L main product tank	Option	Option	Option
170 l/min diaphragm pump	Std	Std	Std
260 l/min diaphragm pump	Option	Option	Option
Hydraulic drive upgrade for pumps	Option	Option	Option
12m boom	N/A	N/A	Option
15m boom	Option	N/A	Option
18m boom	Option	N/A	N/A
21m boom	Option	N/A	N/A
24m boom	Option	Option	N/A
28m boom	N/A	Option	N/A
Trijet nozzle bodies	Option	Option	Option
Fenceline jet single sided	Option	Option	Option
Fenceline jet double sided	Option	Option	Option
Fenceline jet single sided electric	Option	Option	Option
Fenceline jet double sided electric	Option	Option	Option
Foam marker exacta 45L single sided	Option	Option	Option
Foam marker exacta 45L double sided	Option	Option	Option
Boom plumbed in 3 sections	Std	Std	Std
Boom plumbed in 4 sections	Option	Option	Option
Boom plumbed in 5 sections	Option	Option	Option
Boom plumbed in 6 sections (SCS4400 & ISO BUS systems only)	Option	Option	Option
Boom plumbed in 7 sections (SCS4400 & ISO BUS systems only)	Option	Option	Option
Boom plumbed in 8 sections (ISO BUS systems only)	Option	Option	Option
Boom plumbed in 9 sections (ISO BUS systems only)	Option	Option	Option
Boom plumbed in 10 sections (ISO BUS systems only)	Option	Option	Option
Norac boom height control 3 sensor	N/A	Option	N/A
Bi-fold	N/A	Option	N/A
3D breakaway boom ends	Option	Std	N/A
Boom end protectors	Option	Std	N/A
Individual boom wing tilt	Option	Option	Std
Boom slant kit	N/A	N/A	Std - 15m Option – 12m
Electric over hydraulic spool valves	Option	Option	Option
Induction hopper 40L	Option	Option	Option
Separate pump RPM monitor (for when non raven controller fitted)	Option	Option	Option
Electric section control and pressure regulation	Std	Std	Std
Automatic rate control Raven SCS450 (5 sections max)	Option	Option	Option
Automatic rate control Raven SCS4400 (7 section max)	Option	Option	Option
ISO BUS automatic rate control system	Option	Option	Option

3PL - Front mount







Front mount

Compliment a rear mounted three point linkage sprayer by increasing your capacity with the fitment of a 1200L front mount spray module.

Available as a pre-configured “work ready” unit or as a built up unit to suit your individual needs.

- 1 The frame utilizes metric size Australian made steel to create a light, strong and very low height compact structure. The key to its strength is the combination of square and rectangle hollow sections (SHS & RHS) and precision laser cut plates placed in strategic locations. The frame design allows easy mounting to tractor chassis extension arms or it can be made to suit front 3PL equipment in category three configuration. Frame finished using Goldacres four stage paint process.
 1. Grit blasting which cleans and prepares the steel surface for the ultimate paint adhesion.
 2. High build primer / filler flattens out the surface and is key to giving the top coat not only an optimum substrate to adhere to but that smooth “wet” look.
 3. Wet top coat using the highest quality Australian made paint. Specially formulated for Goldacres the top coat provides a finish which has excellent mar resistance (the resistance to abrasive action like scratching) and also a very high tolerance to aggressive chemicals.
 4. High temperature baking which cures the paint
- 2 Super stylish low height European sourced rotationally moulded 1200L tank. A 20L handwash tank is incorporated, yet completely separated. This eliminates the possibility of any cross contamination between the clean water and the main tank mix.
- 3 100L top mount rinse tank is fitted which can be used to flush out the pump and boom lines at the end of the spray job whilst still in the field.
- 4 Extra large hinged lid makes pouring in liquid or powder chemicals mess free.
- 5 High volume hydraulically driven Hypro 9303 centrifugal pump provides plenty of flow in a compact package.
- 6 A pump suction filter with three way ball valve allows the operator to switch between drawing from the main tank and the rinse tank. The off position also allows the suction strainer to be removed and cleaned even when the sprayer tank is full.
- 7 Twin pressure line filters greatly reduce the chances of nozzle blockages. The first filter is a coarse mesh while the second is finer.
- 8 Hydrojet agitator fitted to the tank greatly improves the consistency of the tank mix over the course of the spray job.
- 9 Chemical venturi probe is used to draw chemicals into the main tank. This type of chemical induction means that at no stage does neat chemical come into contact with the pump, which could cause corrosion problems.
- 10 Top mounted bottom fill allows the water to be pumped in through the top of the tank and down to the bottom. This method reduces foaming and also minimises the risk of contaminating the water source if the transfer pump stops unexpectedly.
- 11 All spray hoses are constructed using a Nitrile liner. This liner helps resist the effects of the most aggressive of chemicals from damaging the hose.
- 12 Two way electric section and pressure regulation control is fitted for easy in cab adjustment.



Booms

Over 40 years Goldacres has developed a reputation for creating the industry's best riding booms.

The following pages outline the models of booms which are available across the range of three point linkages. The boom range can be broken into several key styles:

- Manual folding (4, 6 & 8m) pages 28-29.
- Manual folding crossfold (8 & 10m) pages 28-29.
- Manual folding crossover with twinlink suspension (10 & 12m) pages 30-31.
- Manual folding flat folding (10m) pages 28-29.
- Hydraulic vertical fold (6 & 8m) pages 32-33.
- Hydraulic Krono (12 & 15m) pages 34-37.
- Delta booms (12, 15, 18, 21, & 24m) pages 38-39.
- TriTech booms (24 & 28m) pages 40-41.





1000L Medium frame with 10m Crossover boom and 900mm lift shown

4-10m manual & crossfold booms

Goldacres booms have forged a reputation in the spraying industry as the strongest design with great standard features.

An RHS construction is used on booms 6-10m with lightweight aluminium outer wings fitted to the 4 meter.

All booms feature spring loaded fold mechanisms to allow the boom to break back if you strike an object along with greasable hinges to further increase the boom longevity.

Suited for Small frame 3PL units, the booms all feature stainless steel nozzle brackets mounted behind the boom structure for protection and are fitted with non-drip nozzle bodies.

The Crossfold booms are available in 8 and 10m widths and feature a truss design.



10m Crossfold boom shown



Manual folding crossfold booms 8 & 10m

The manual folding cross fold boom is constructed using Australian made mild steel in a fully trussed configuration. The trussing gives the boom superior strength and durability for when the going gets rough. The inner wing to centre section connection points are fully bushed and greasable to prolong its working life. The outer wings feature a spring back mechanism to protect the boom in the event of a collision. Non drip nozzle bodies mounted behind the boom for added protection.

4m folding

Uses a combination of mild steel in the centre section and aluminium on the outer wings to reduce overall weight. Cross fold design acts as a breakaway feature in the event of a collision with an object.

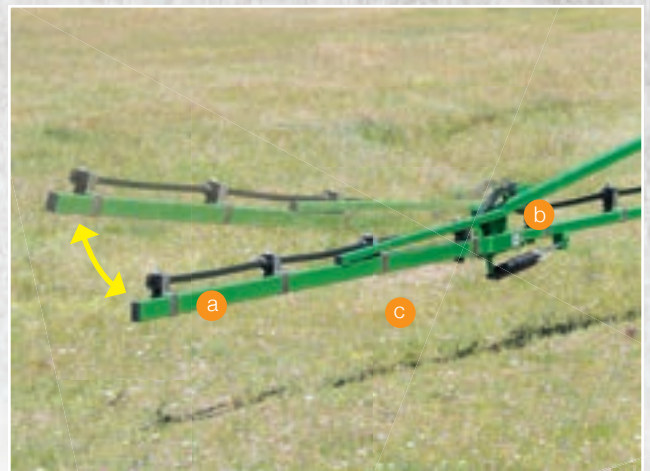
6 & 8m folding

Constructed from full mild steel and finished using the Goldacres four stage paint process for the ultimate corrosion resistance. Outer wings feature flip over end section which reduces the overall folded width. Cross fold design acts as a breakaway feature in the event of a collision with an object.



Hinge

Greasable bushed hinges fitted throughout boom.



Breakaway

(a) 2D breakaway end tip with (b) rubber mounted stopper (Crossfold only). (c) Stainless steel nozzle brackets position behind boom wing.

Manual Crossover boom with Twin

The manual folding crossover boom with twin link suspension allows the boom to float over the roughest terrain, keeping the boom level.

This is important as the quality of the spray job can be greatly effected by the boom being either too high or too low to the target. In addition, boom longevity is greatly improved because the roll stresses are absorbed by the suspension system.



1 Boom end

(a) 2D breakaway end tip with (b) rubber mounted stopper.
(c) Stainless steel nozzle brackets position behind boom wing.



2 Catch release handle

Spring loaded adjustable boom release handle ensures secure boom lock in open position.

link suspension 10 & 12m



3 Centre boom section with Twinlink suspension

(a) The boom structure floats on twin links which are supported by greasable sealed roller bearings. The angled links provide self levelling properties without the need for springs. **(b)** Rubber roll stoppers provide cushioning in the event of the boom reaching full travel. **(c)** A dampener connected between the mounting frame and boom limits rapid roll oscillation. **(d)** The connection between the suspension system and the three point linkage is via polyurethane bushes. The bushes help maximise shock absorption. **(e)** Poly slide strip helps transfer yaw forces whilst still allowing the boom to roll freely

Hydraulic vertical fold booms 6, 8

The hydraulic vertical fold range of booms have been specifically designed for operators requiring individual left or right wing tilt functionality.



Boom centre section

(a) Large capacity 2.5" hydraulic cylinders with 16" stroke provides nearly 90 degrees of wing rotation. This allows the tallest of obstacles to be avoided without deviating from the desired travel path or row. **(b)** Outer section of the boom features a break back mechanism in case of a collision. The break back feature also doubles up as the outer wing fold to reduce the folded height.

3, 10 & 12m



Compact folded width



Boom end

(a) 1D breakaway end tip. **(b)** Boom end frame with plumbing mounted to protect nozzles from damage.

Hydraulic Krono 12m

The Krono 12m boom features full hydraulic sequential folding of the four wing sections.

This allows the boom to be operated at multiple spray widths as well as providing outer wing tilting. The boom can be also operated as a single sided unit.

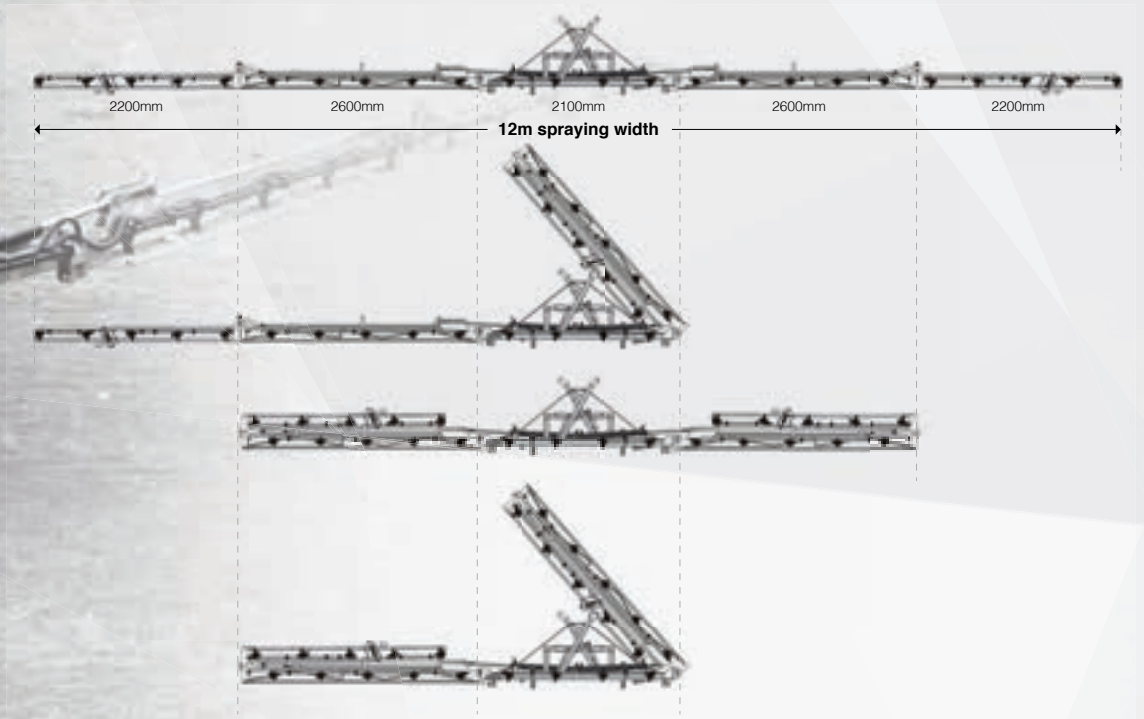


Boom centre section

(a) Self levelling suspension system with optional slant cylinder helps the boom float over rough terrain. The optional slant cylinder can be used to adjust the boom level when traversing the side of a hill. **(b)** Each side features one long stroke hydraulic cylinder coupled with outer wing sliding rods to enable complete mechanical sequential folding. This clever system reduces the amount of hydraulic tractor remotes required to operate the boom. **(c)** When one side is folded the self levelling suspension is locked out. This avoids the open side from tilting downwards. **(d)** Optional hydraulic lift can also be fitted providing 900mm of travel.

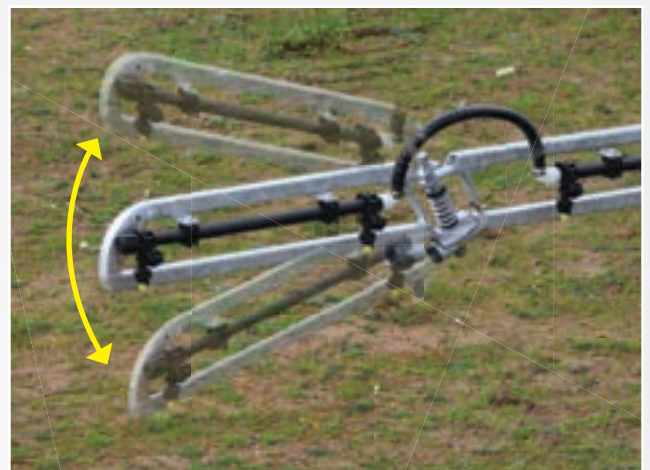


Multiple boom width achievable



Hydraulic fold

Individual hydraulic fold can be used to tilt boom wings.



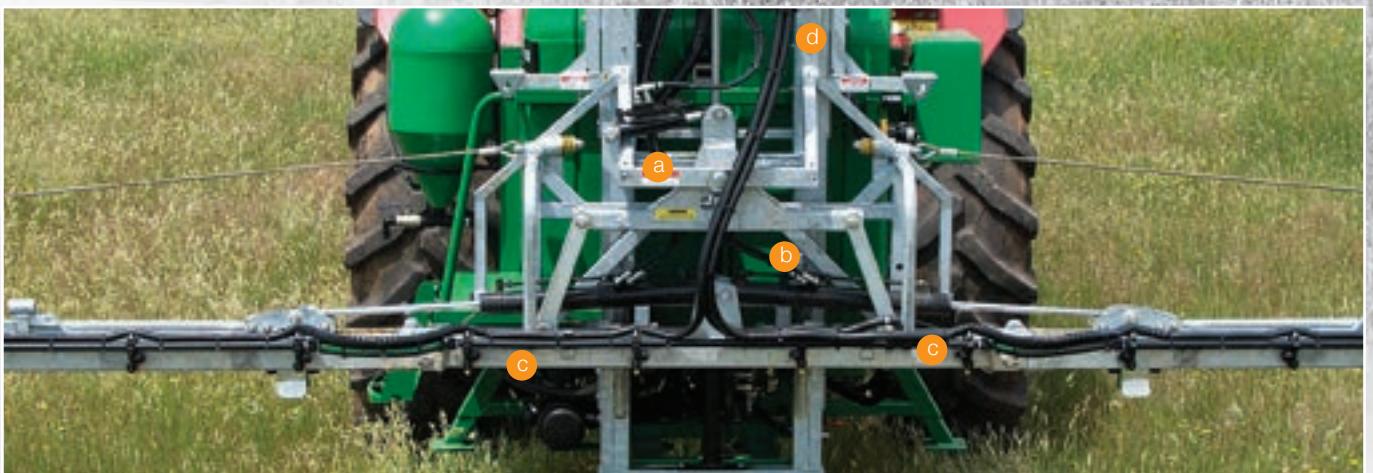
2D boom end

The outer wing features a break back / forward spring loaded mechanism to prevent boom damage in case of a collision.

Hydraulic Krono 15m

The Krono 15m boom features full hydraulic sequential folding of the six wing sections.

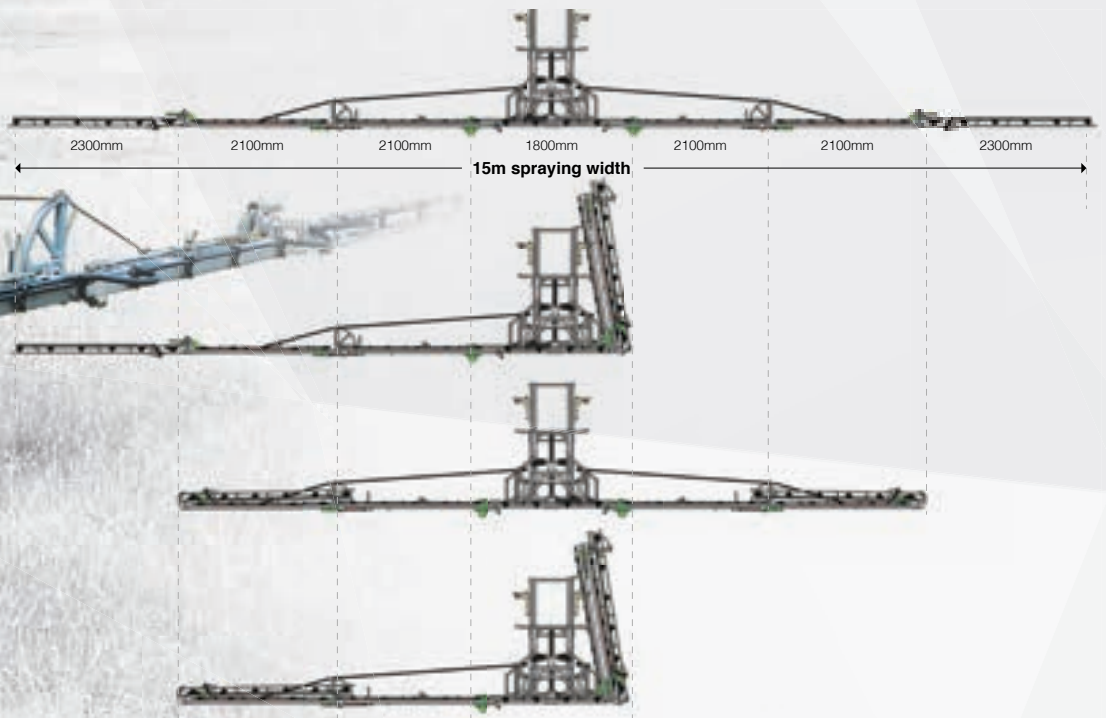
This allows the boom to be operated at multiple spray widths as well as providing a very compact folded structure. The boom can be also operated as a single sided unit.



Boom centre section

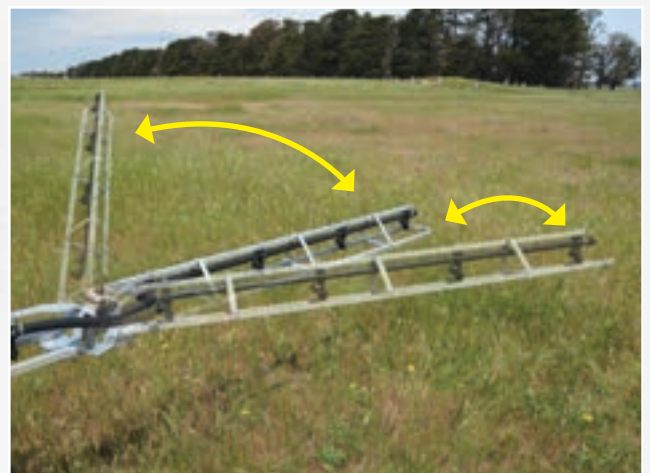
(a) Self levelling suspension system with standard slant cylinder helps the boom float over rough terrain. The slant cylinder can be used to adjust the boom level when traversing the side of a hill. **(b)** Each side features one long stroke hydraulic cylinder coupled with outer wing sliding rods and cables to enable complete mechanical sequential folding. This clever system reduces the amount of hydraulic tractor remotes required to operate the boom. **(c)** When one side is folded the self levelling suspension is locked out. This avoids the open side from tilting downwards. **(d)** Hydraulic boom lift allows taller crops to be sprayed.

Multiple boom width achievable



Boom fold

Unique boom fold design. Cylinder extends rods to unfold boom wings individually, cable with spring mount provides some vertical wing suspension.



2D boom end

The outer wing features a break back / forward spring loaded mechanism to prevent boom damage in case of a collision.

Delta booms 12-24m

Application made easy

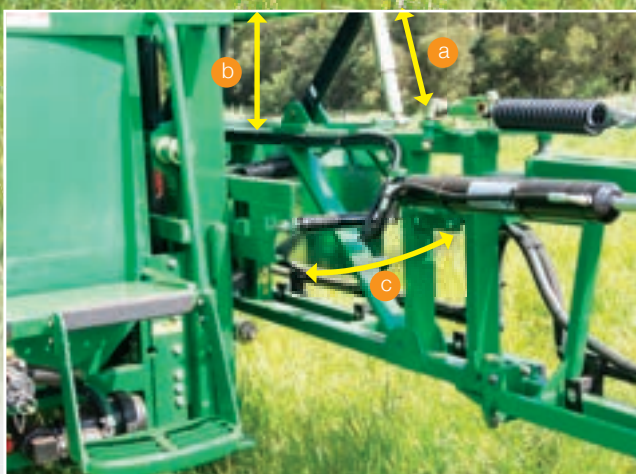
The Delta boom range is ideal for growers looking to benefit from the proven stability and performance of the three way suspension system in an economical package. Designed for light to medium duty applications with widths ranging from 12m to 24m. Standard features include mild steel inner wings with lightweight aluminium outer wings,

single operation boom folding system featuring the proven cable control with outer wing break back functionality, full size ¾" boom lines to minimise pressure drop across the sections for consistent spray application and full hydraulic lift and fold.



1 Centre boom section

(a) A three meter wide centre section is used for clearance of the tractor cab for when the boom wings are folded allowing full access to the tractor doors. **(b)** The contour following boom centre hangs from two links dampened by **(c)** two shock absorbers and **(d)** two steering dampeners and springs. **(e)** Hydraulic boom lift with vertical suspension enables 900mm of travel. Optional boom wing tilt is available upon request.



2 Suspension

Three way Delta suspension controls the forces of **(a)** roll, **(b)** pitch and **(c)** yaw to provide greater boom stability.



3 Boom end

(a) Cable folding outerwing provides simple folding using only one set of hydraulic remotes. Outer wing also has a spring break back function. **(b)** Aluminium outer boom wings for exceptional light weight and chemical resistance.

TriTech booms

Strength, Stability, Reliability & Control

The TriTech boom range is designed for operators who demand the utmost performance, reliability and control. Time and time again the TriTech boom has been named No.1 for boom stability*, which at the end of the day, results in a superior spray result.

Features such as hydraulic yaw which precisely controls the forwards and backwards movement of the boom wings to minimise the under and over applying of chemical is now standard on all widths.

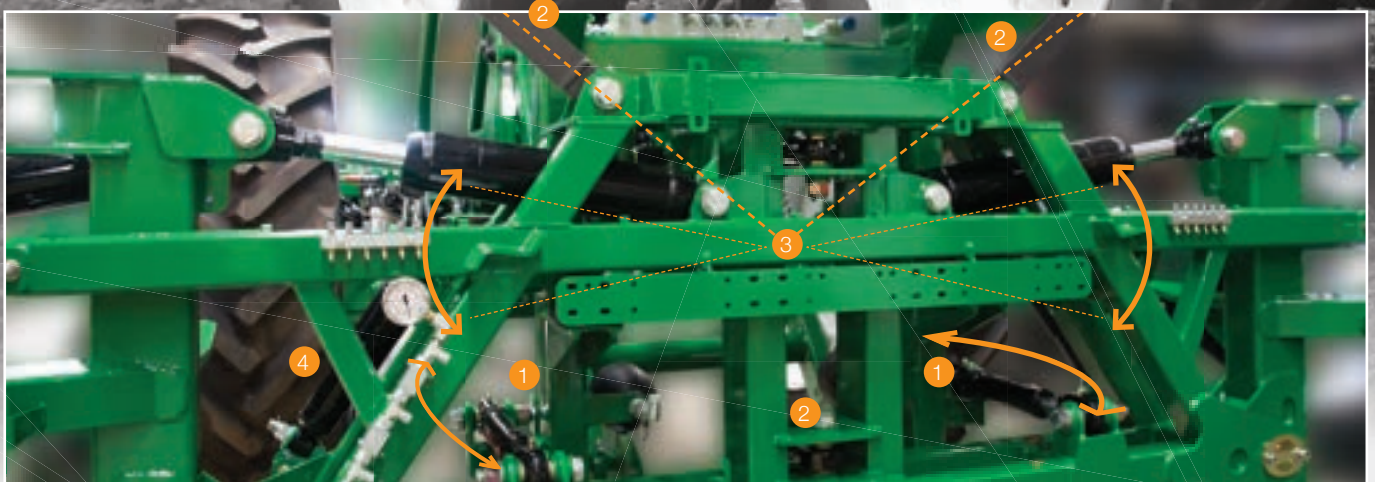
The strategically placed centre section suspension links help isolate the sprayer chassis movement over rough terrain. Combined with the tuned damping characteristics

allows precise roll control enabling an optimal and consistent nozzle height to be maintained, even without the use of electronic height control systems**.

All TriTech booms are constructed using lightweight trussing techniques, which allows for a stronger design without weight, the enemy of boom agility.

Suited for Large frame 3PL units only.

*Kondinin group's Farming Ahead magazine 2012 and 2014
**Height control systems may be required in some extreme situations



Centre boom section

(1) Two hydraulic cylinders are mechanically connected together either side of the pivoting boom centre section. As the centre yaws one cylinder is retracted, the other extended. This results in oil movement which compresses in a nitrogen charged accumulator. The result is precise boom yaw control. **(2)** The key to the superior boom ride is the strategically placed delta links. In all there are four links. Each link features spherical ball ends which allow the centre to move in all directions. **(3)** The roll centre point is the location at which the boom pivots around, both in roll and yaw. **(4)** Reduces high frequency oscillation of the boom roll.



Boom end

(a) Cable folding outerwing provides simple folding using only one set of hydraulic remotes. Outer wing also has a spring break back function. **(b)** Aluminium outer boom wings for exceptional light weight and chemical resistance.



3D Breakaway

The end breakaway section protects the boom from stress damage if a ground, fence or tree strike occurs. The end section can break forwards, backwards and upwards. The spring mechanism uses an eccentric mounted sprocket and chain to provide maximum breakout force in the neutral position, then reduces the force the further the breakout.

Parts & service

When you're down – trust Goldacres to pick you up

Farming can be unpredictable, we understand that spray application is time critical, and that idle time costs more than just money.

Goldacres extensive Australia wide dealer network with trained sprayer technicians are there for when you need them the most.

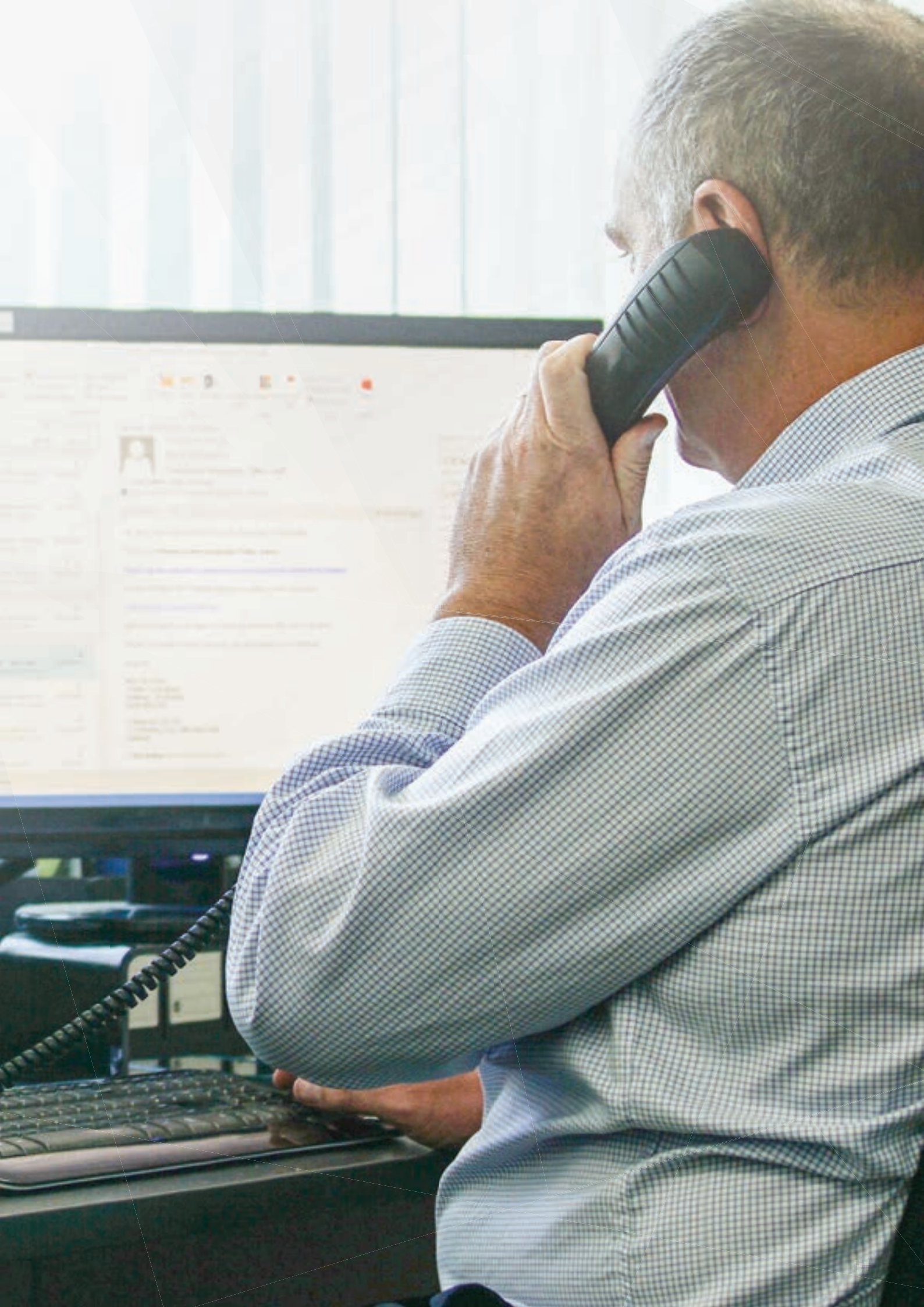
Trust Goldacres support to get your machine back up and spraying quickly.

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Goldacres dedicated team of product specialists stand beside the dealer, and right behind the product with the industry's best know how.

All of our sprayers are proudly built right here in Australia, we know exactly what parts go where and how to fit them. Our fully stocked warehouse carries over 20,000 line items ranging from the smallest o-ring to the largest boom wing.

Rest assured we have the part you're looking for.



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