

### **Spraying Catalogue**

2024-2025

# DESIGNED & BUILT IN AUSTRALIA







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### **SmartBoom**

SmartBoom is the all purpose boom spray. It is available in truck mounted, ute mounted and trailed configurations.

- Fully welded and powder coated frame for maximum durability
- Mid mounted self levelling boom
- Nozzles shielded by boom to prevent damage
- ✓ Kohler engine mounted to Bertolini pump
- ✓ Ladder and access way to tanks
- ✓ Jack stands
- ✓ Road legal transport width



### **Truck Mounted SmartBoom**



### **STANDARD FEATURES**

- ✓ Standard widths from 15m to 24m
- ✓ Hydraulic boom lift, fold and tilt
- ✓ Self lubricating pivots and slides
- ✓ Ball bearing breakaways
- ✓ Auto-reset outer breakaways
- ✓ Low profile full sump tank
- √ 5 section plumbing
- ✓ Topcon X25 with ARAG IBX100 Isobus rate and section controller
- ✓ Air induction nozzles

- ✓ Shielded nozzles
- ✓ Stainless steel spray lines
- ✓ Electric fenceline nozzles
- ✓ Direct fill/Drain point
- ✓ Engine oil drain tap
- ✓ Petrol container
- ✓ Battery
- √ Hour meter/Tachometer
- ✓ Agitator
- ✓ Tank rinse nozzle

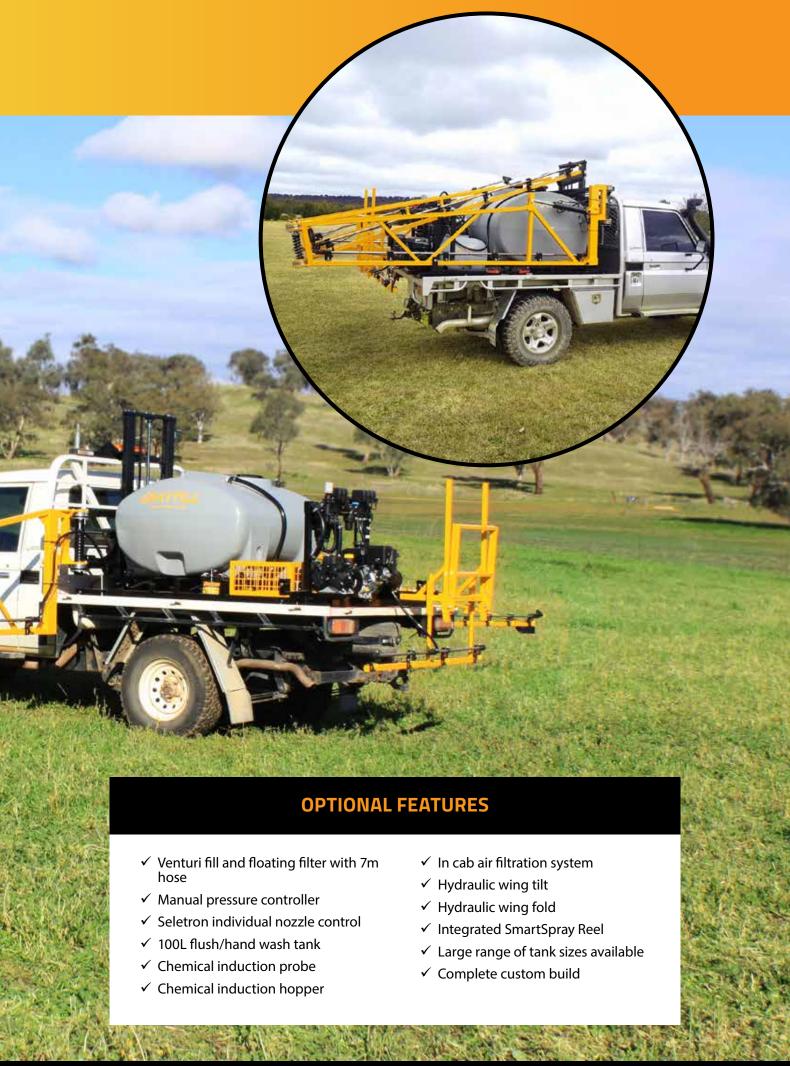


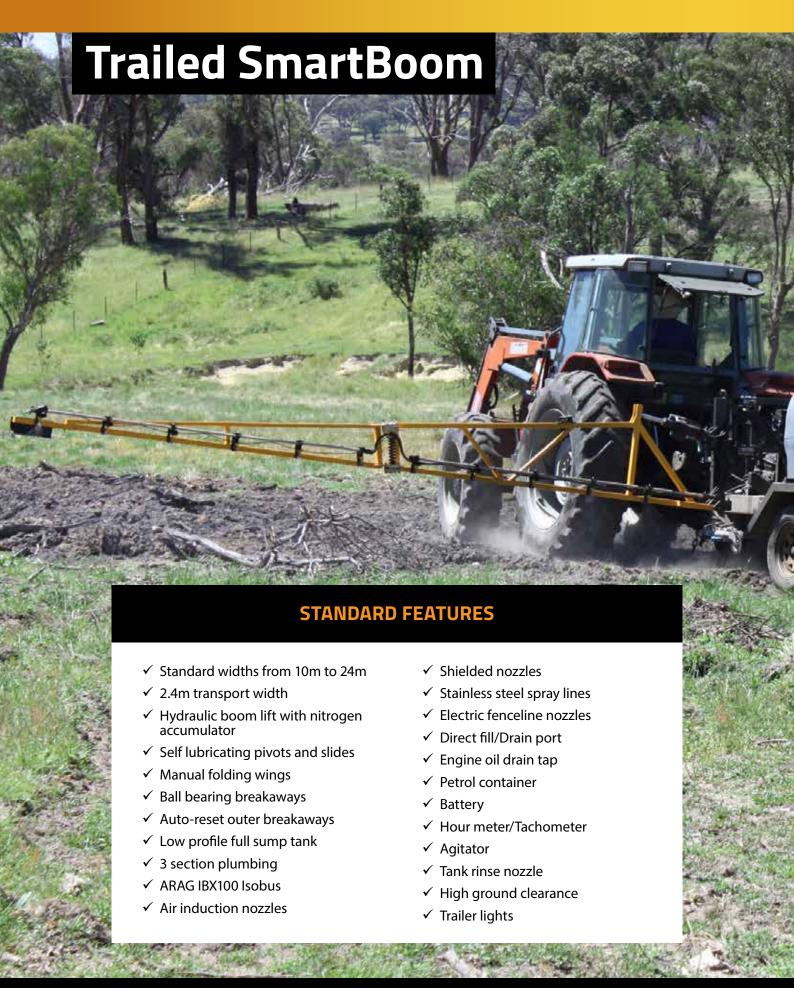


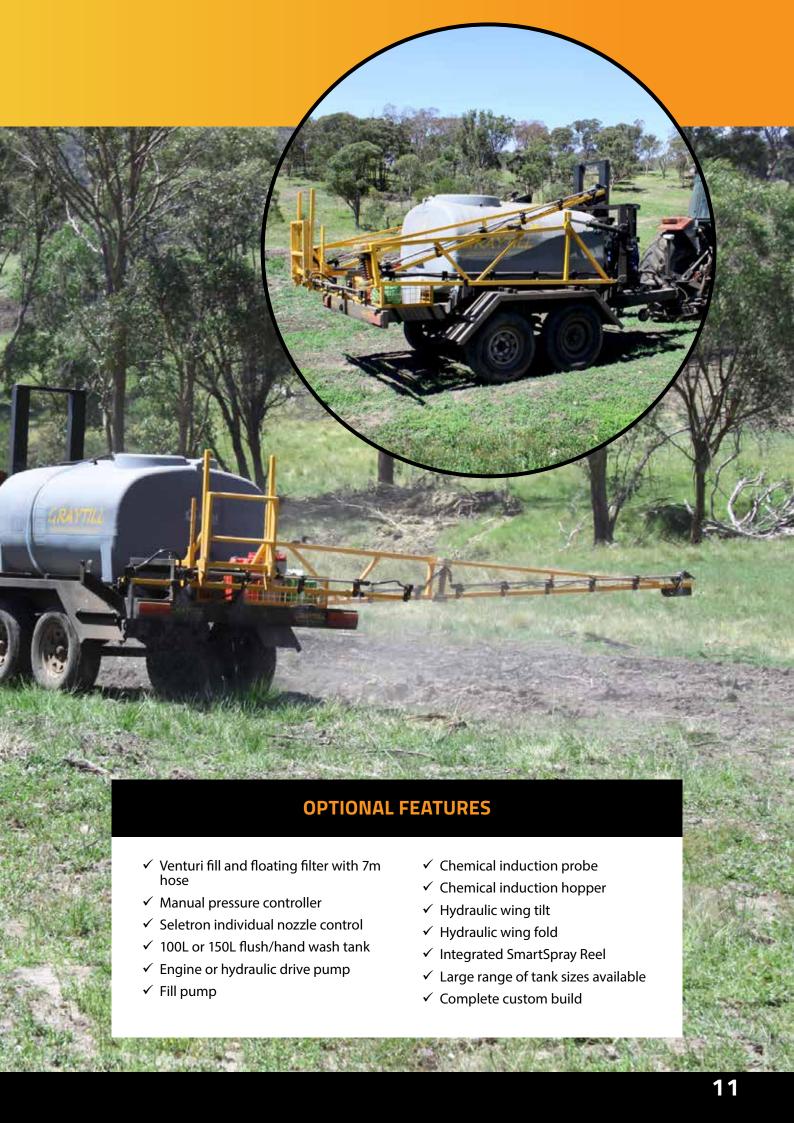


- ✓ Standard widths from 10m to 14m
- ✓ 2m transport width
- ✓ Electric boom lift with adjustable limit stops
- ✓ Self lubricating pivots and slides
- ✓ Manual folding wings
- ✓ Ball bearing breakaways
- ✓ Auto-reset outer breakaways
- ✓ Low profile full sump tank
- √ 3 section plumbing
- ✓ ARAG Bravo 400S GPS with auto rate and section control

- ✓ Air induction nozzles
- ✓ Shielded nozzles
- ✓ Stainless steel spray lines
- ✓ Electric fenceline nozzles
- ✓ Direct fill/Drain port
- ✓ Engine oil drain tap
- ✓ Petrol container
- ✓ Battery
- ✓ Hour meter/Tachometer
- ✓ Agitator
- √ Tank rinse nozzle







# Ute Mounted SmartBoom with Integrated SmartSpray



### STANDARD FEATURES

- ✓ Standard widths 10m to 14m
- ✓ 2m transport width
- Electric boom lift with adjustable stops
- Mechanically driven reels for maximum pulling power
- ✓ Bolt-on lugs for permanent mounting
- ✓ Self lubricating pivots and slides
- ✓ Manual folding wings
- ✓ Ball bearing breakaways
- ✓ Auto-reset outer breakaways
- ✓ Low profile full sump tank
- √ 3 section plumbing
- ✓ ARAG Bravo 400S GPS with auto rate and section controller
- ✓ Air induction nozzles

- ✓ Shielded nozzles
- ✓ Stainless steel spray lines
- ✓ Electric fenceline nozzles
- ✓ Direct fill/Drain port
- ✓ Engine oil drain tap
- ✓ Petrol container
- ✓ Battery
- √ Hour meter/Tachometer
- ✓ Agitator
- √ Tank rinse nozzle
- ✓ Turbo 400 adjustable spray gun
- ✓ Drip-free gun holders with locking nin
- ✓ Stainless steel flexible antennas with springs
- ✓ Venturi fill and floating filter with 7m hose







### **WING OPTIONS**

### 1. Hydraulic Fold

- ✓ Hydraulic fold allows the boom to be fully folded using the joystick that integrates with the ARAG Bravo 400S system that also controls the spray rate. All folding operations are carried out from within the cab, saving time and increasing operator safety.
- ✓ The outer wings on the boom spray fold vertically for a more compact design allowing for more room on the vehicle for clear access and increased storage around the boom spray.
- ✓ Hydraulic fold also features hydraulic wing tilt. See below for further details.





### 2. Hydraulic Wing Tilt

- ✓ Hydraulic wing tilt allows the wings to be tilted vertically for better contour following around hillsides and to clear obstacles.
- ✓ The joystick controller is fully integrated with the ARAG Bravo 400S monitor, allowing full operation from within the cab for the hydraulic wing tilt, however the wings need to be manually folded for transport.
- ✓ Hydraulic wing tilt features nitrogen accumulators for shock absorption of boom spray wing movement when driving around the paddock for a smoother ride, and reduced stress on the boom.





#### 3. Manual Fold

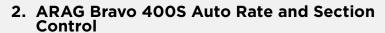
- ✓ Manual folding of the boom spray wings features horizontal folding requiring less effort when folding the wings for transport, reducing operator fatigue.
- ✓ The ball bearing breakaways provide positive location when in operation but swing freely when broken, allowing for ease of manual folding and reduced stress on the frame.
- ✓ The self lubricating pivot points require no grease, reducing time spent on boom spray maintenance.



### RATE CONTROLLER OPTIONS

#### 1. ARAG Seletron Individual Nozzle Control

- ✓ The ARAG Seletron individual nozzle control works in conjunction with the ARAG Bravo 400S to automatically shut off individual nozzles, virtually eliminating overlap, reducing chemical costs and minimising the impact on the environment.
- ✓ The Seletron system is particularly beneficial in small or irregular shaped paddocks, where it allows the operator to drive the most efficient path, without having to worry about overlapped or missed areas.



- ✓ The ARAG Bravo 400S system is an all in one GPS, rate controller, and auto section controller. It allows the operator to drive at varying speeds to suit the terrain, adjusting the control valve to maintain a constant spray rate.
- ✓ The ARAG Bravo 400S system allows the boom to be divided into 3 sections as standard, and will automatically shut off individual sections to reduce overlapping.
- ✓ Spray jobs can be copied onto a personal computer to be viewed for proof of chemical placement, or prescription maps can be loaded into the Bravo 400S system for variable rate application.









#### 3. Manual Pressure Control

- ✓ The spraying pressure is set via the manual pressure regulator and a constant vehicle speed must be maintained to ensure an accurate spray rate is applied.
- ✓ The manual pressure control is a simple, no computer, pressure based control system to control the chemical spray rate.
- ✓ Stand alone GPS and foam marker units are available to complement the manual controller.



### **Custom SmartBoom**



SmartBoom with integrated SmartSpray with boomless jet.

Hydraulic fold ute mounted SmartBoom.



15.5m hydraulic fold and wing tilt truck mounted SmartBoom. Custom built to suit Mitsubishi Canter.



18.5m rear mount hydraulic fold SmartBoom. Custom built to suit Man truck.

15m rear mount SmartBoom with 4 chemical

tanks and 2 lockable storage cages.



18.5m manual fold truck mounted SmartBoom. Custom built to suit Isuzu 300 truck.



### **SmartSpray**



- ✓ Single and twin reel versions
- Mechanically driven reels for maximum pulling power
- ✓ Tie-down and lifting points for true slip-on performance
- Kohler engines and Bertolini pumps
- Boomless spray jet to cover larger areas quickly
- Large storage basket

### **Twin Reel SmartSpray**



springs







### **Dual Cab SmartSpray**



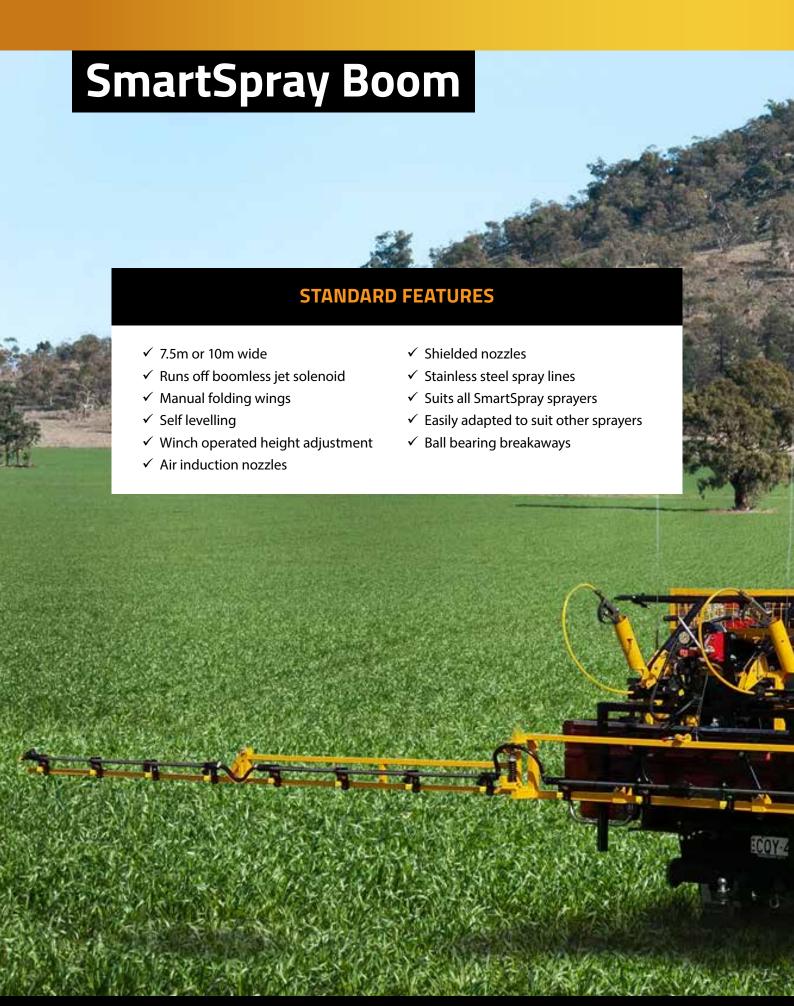


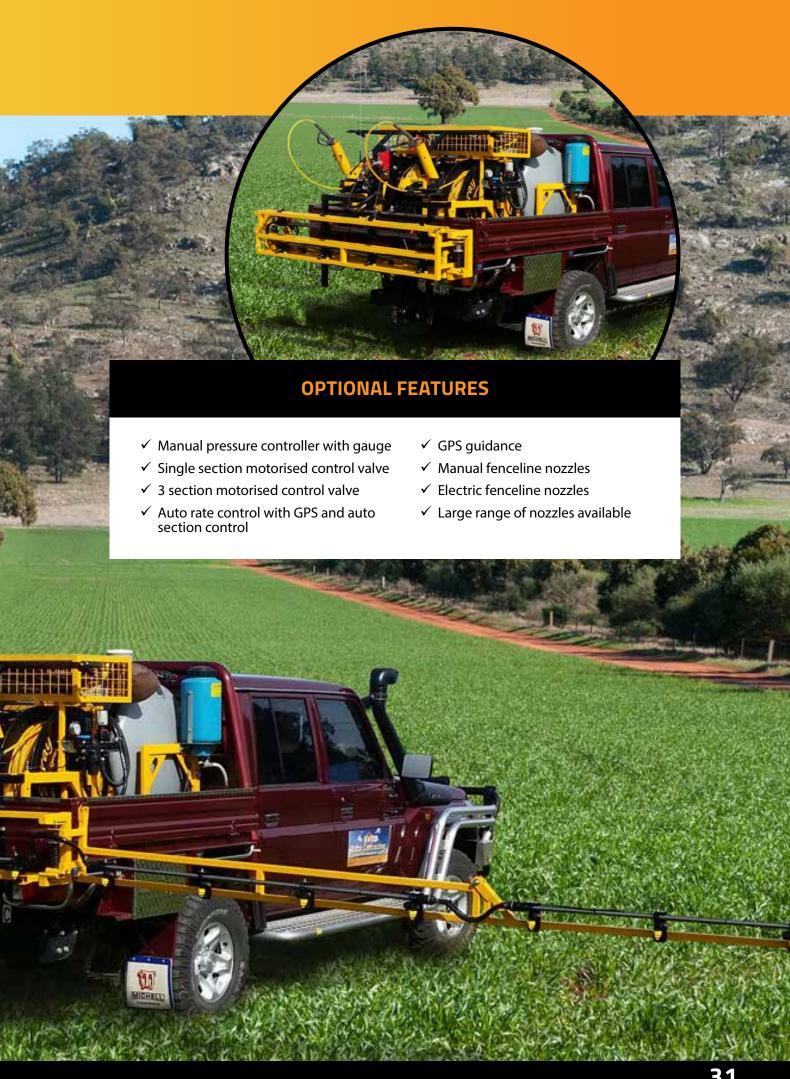














### **Custom SmartSpray**



Single axle trailed SmartSpray.

Twin Reel SmartSpray to suit dual cab tray with diesel engine, 10m SmartSpray Boom and triple nozzle boomless jet.





Twin Reel SmartSpray with fire hose.

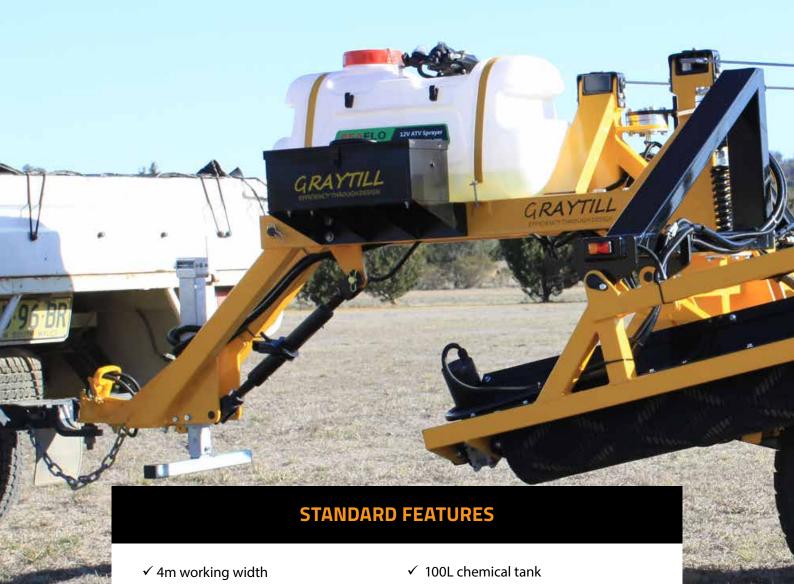
300m Hydraulic Drive SmartSpray Reel with 12m boomless jet boom to suit existing sprayer.





Twin reel SmartSpray, mine spec with battery isolator, E stop, diesel engine and 35L hand wash and flush tank.

### **Ute Weed Wiper**



✓ Fully road legal

✓ Ball bearing breakaways

✓ Torsion bar suspension for smooth

✓ Electric driven rollers

road transport

✓ 2.5m transport width

✓ Contour following wings

✓ Manual height adjustment

800mm

✓ Adjustable height from 200mm to

✓ Super heavy duty LandCruiser tyres





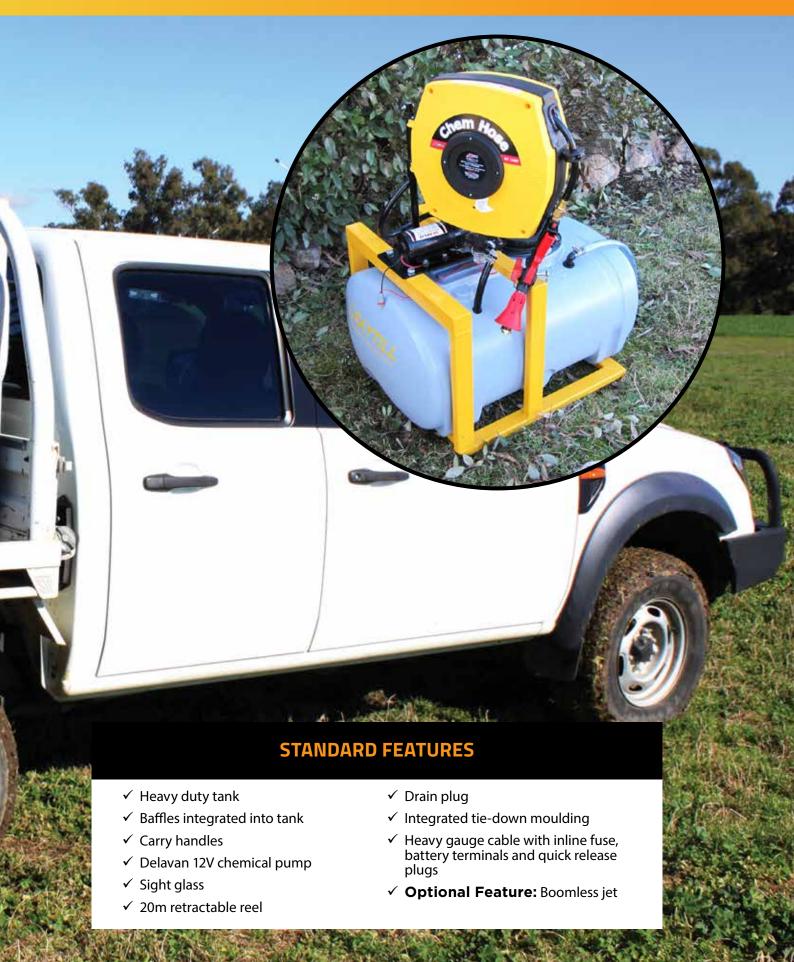
✓ Hydraulic accumulator suspension for smooth road transport

✓ Contour following wings

✓ Super heavy duty LandCruiser tyres







## SmartFire



### **STANDARD FEATURES**

- ✓ Mechanically driven remote rewind reel
- ✓ Kohler 9.5hp petrol engine with Davey twin impeller pump
- √ 30m 1" fire resistant hose
- √ 600L tank
- ✓ Tie-down lugs
- ✓ Bolt-down lugs
- ✓ Jack stands

- ✓ Protek 361 spray nozzle
- ✓ Stainless steel flexible antenna with spring
- ✓ Storage basket
- ✓ Suction hose with floating filter
- ✓ Hour meter/Tachometer
- ✓ Petrol container



### **Standard Features**

#### **Boomless Jet**

The 2 nozzle boomless jet is standard on all SmartSpray sprayers and an optional extra on all VersiVolt sprayers. Depending on the working pressure, it will spray between 6m and 9m wide. The extra coarse droplets minimise drift and produce an even spray distribution. Each nozzle can be turned off independently allowing a single side to be sprayed. An optional 3 nozzle boomless jet is available on all SmartSpray sprayers. It allows for a wider spray coverage, with the added benefit of splitting the jet into 3 sections.

### Jack Stands

All engine driven sprayers are supplied with jack stands. The jack stands slide into each corner of the sprayer and raise the sprayer off the vehicle. The jack stands are raised and lowered using the supplied handles, or a cordless drill with 19mm socket.

### **Venturi Fill and Floating Filter**

Standard on all SmartSpray sprayers, and optional on all SmartBoom sprayers, the venturi fill allows the sprayer to be filled out of a dam or other reservoir. The sprayer requires enough water left in the tank for the pump to prime, and then it will fill the tank at up to 100L/min. Using the venturi fill protects the pump's diaphragms and will lengthen the service life of the pump.

#### **Petrol Container**

All engine driven sprayers are supplied standard with a petrol container. The non-spill spout allows the petrol container to be turned completely upside down without spilling petrol, making refuelling safe and easy.

### **Drip-Free Gun Holders**

All SmartSpray sprayers feature drip-free gun holders. A tap at the bottom allows the holders to be drained. A locking pin prevents the guns from bouncing out during travel.

#### Oil Drain

Standard on all sprayers, the oil drain tap makes oil changes quick and easy. The tap is spring loaded to prevent accidental opening, and the supplied hose allows the oil to be drained without removing the sprayer from the vehicle.

#### **Hour Meter**

Standard on all engine driven sprayers, the combination hour meter/tachometer provides a digital readout of engine RPM when running, and displays engine hours when the engine is stopped, making it easy to keep track of service intervals.



## Spare Parts

### **PUMPS**

### 1. High Pressure Pumps

✓ Three piston semi-hydraulic diaphragm pump - 40 bar, 54LPM

✓ Three piston semi-hydraulic diaphragm pump – 40 bar, 34LPM



### 2. Low Pressure Pumps

CP2073

✓ Three piston semi-hydraulic diaphragm pump - 15 bar, 75LPM

✓ Three piston semi-hydraulic diaphragm pump - 15 bar, 126LPM



CP2073 with Kohler 7hp Engine

✓ Three piston semi-hydraulic diaphragm pump - 15 bar, 75LPM

#### DIAPHRAGM REPAIR KITS AVAILABLE FOR ALL PUMPS

### 3. 12V Pumps

✓ 11 LPM, 80psi

√ 19 LPM, 60psi

Shop online at graytill.com.au

### **TANKS**

We stock and supply a large range of tanks.







**SmartSpray COMPONENTS** 



### **SmartBoom COMPONENTS**

- ✓ Nozzles
- ✓ Nozzle Bodies
- ✓ Valves
- ✓ Hose Fittings
- ✓ Boom Tube

- ✓ Boomless Jet
- ✓ Hose Swivels
- ✓ Guns

✓ Hose

- ✓ Hose Stoppers
- ✓ Hose Joiners
- ✓ Hose Fittings
- ✓ Antennas
- ✓ Remotes
- ✓ Fire Hose

### **ELECTRICAL COMPONENTS**

#### ✓ Electrical Boxes

- ✓ Rate Controllers
- ✓ GPS Units

### **MISCELLANEOUS**

- ✓ Petrol Containers
- ✓ Graytill Hats

