

# Innovation and Evolution



***Broadacre  
Sprayers***



# RUBICON

A Point of No Return

*- In Every Sense!*



## RUBICON - Pure Productivity

HARDI's RUBICON is the first 9,000 litre self-propelled sprayer in Australia. Designed from the ground up to meet the efficiency demands of large scale Australian farmers, RUBICON establishes a new genre for SPs.

With the clearest view of the boom of any SP, acre eating 9000 litre tank capacity and an unparalleled

ride, RUBICON will simply amaze you - we promise HARDI OverRide fully independent suspension, combined with RUBICON's unique boom ride is the secret behind a completely new level of operator comfort and spraying efficiency. The rolling radius of largest in class, 480/95R54 tyres create an extended

## Commanding View

A better view of the boom from the cab not only contributes to the comfort but to the quality of the productivity.



## OverRide Suspension

Heavy duty, fully Independent suspension for incredible smooth running and greater load carrying capacity.





footprint, resulting in reduced crop damage and less ground compaction.

A 370 Hp Cummins engine provides RUBICON with ample power, and a ground clearance of 1.85m means significantly reduced spray drift as the the sprayer travels through the crop. Standard track width

### Filling Station

A 60L chemical transfer system with 3 inch in-filling connection at 80 cm work height.



adjustment is 3 to 4m and 50/50 weight distribution balances RUBICON almost perfectly.

### Controller

The Muller TOUCH1200® can be used in portrait or landscape format, with up to five precision farming functions displayed.



# SARITOR

Outstanding performance



## SARITOR - Staying OnRate

Spray more hectares in comfort and safety. Spray more hectares in comfort and safety, and choose POMMIER booms to 48.5m for outstanding productivity.

With engine horsepower and hydrostatic transmission perfectly matched, SARITOR is one of the most fuel efficient SP's in its class.

## Panorama Cab

The large, spacious and uncluttered cab has top level comfort, with everything at the finger tips for operation and control.



## AutoTerrain

Monitors roll and height sensors and simultaneously corrects boom position relative to the ground contour





POMMIER booms combined with AutoTerrain set new standards in wide boom performance, by maintaining a lower boom height, providing better drift control and efficacy.

### Filling Mixing & Transfer

Ground control located in the WorkZone provides easy management of the filling process.



ONRATE is a powerful and pre-emptive pressure-based fluid system that provides instant spray pressure and unmatched rate control in and out of every headland.

SARITOR's 5500 litre capacity with 1.45m crop clearance, adjustable track width and boom options from 36.5 to 48.5m.

### OnRate, no matter what

Retains the target rate through changing speeds, with variable rate application and auto boom section active at the same time.



# ALPHA evo

More than meets the eye



## ALPHA Evo - Outperforms anything in the wet

Brim full, ALPHA Evo is a tonne lighter than any comparable North American SP is empty.

At 8490kg dry or 12590kg full the 4100L ALPHA Evo runs rings around anything in the wet, with significantly less soil compaction.

ALPHA Evo raises the benchmark in capacity and effortless spraying with a new luxury cab, OnRate fluid system and AutoTerrain boom widths to 42.5m - Including the renowned drift-proof TWIN FORCE air technology.

## Dual Access

Providing better access to the cab and to both sides of the engine bay with dual drop down ladders.



## FloatRide Suspension

FloatRide delivers a smooth ride and driving comfort for long spraying days.



**HARDI The Sprayer**



Advanced hydrostatic four wheel drive transmission gives ALPHA Evo outstanding power to weight ratio, performance and economy.

The three pillar cab provides unparalleled visibility, is spacious, comfortable and is well-appointed for long spraying days and nights.

### Ground Control

The ground control console provides easy management of the fluid system for filling, mixing and cleaning.



Smooth ride, comfort and performance is provided by a trailing arm FloatRide suspension dampened with hydraulic shock absorbers.

### Filling Station

A 35L TurboFiller with TurboDeflector creates a powerful liquid rotation and a rinse nozzle is accessible to clean out containers.



# PRESIDIO

Effortless performance



## PRESIDIO - Rugged, class-leading

Truly optimised spraying results come from combining the best sprayer with the best POMMIER aluminium booms, which deliver the accuracy and uniformity fundamental to good spraying.

PRESIDIO is built for demanding conditions, with superior design strength, power and weight distribution for class leading field performance.

With 2700 litre capacity and boom widths to 36m, PRESIDIO delivers significant application efficiency and productivity gains.

### Front Access

Sturdy front access to the cab and engine bay with hydraulic drop down ladder.



### Air Bag Suspension

Heavy duty air bag suspension provides for a superb ride and operator comfort.





The main and flush tanks are integrated into the chassis, providing low centre of gravity and excellent weight distribution.

HARDI OnRate fluid system delivers instant spray pressure and unrivalled rate control. The TurboFiller drop-down hopper ensures safe, easy mixing and

### Control

Spraying is easy with all the controls at the finger tip and the HC 9600 controller provides application precision.



transfer of chemicals. The air-bag suspension provides superb operator comfort and enhances boom ride.

With crop clearance of 1.25m and configurable track widths, it is the ideal choice for row-crop and broad acre farming applications.

### WorkZone & Filling Station

Loading is fast, efficient and easy. The controls are within easy reach and are logically placed.



# POMMIER

Width without weight



## POMMIER - Lighter stronger wider

One of the many benefits of POMMIER aluminium booms over steel is the fact they weigh less which significantly improves field performance.

POMMIER accumulated 30 years' experience has defined the profiles, the size & wall thickness of the aluminium extrusions they own and use.

These profiles have an inherent low weight with high capacity to bear loads making their aluminium booms up to 50% lighter and 20% stronger in the field than their steel counterparts.

## Aluminium booms

The weight reduction benefits significantly reduces inertia forces created on headlands compared with equivalent steel booms.

## Yaw Dampening Cylinder

Yaw forces are absorbed through the POMMIER patented nitrogen-dampened plunge cylinder.





Weight generates momentum - so reducing weight out on the wings brings huge benefits - and it is this reason why POMMIER booms respond optimally in all field conditions.

POMMIER aluminium booms offer significant longevity and maintenance advantages in terms of corrosion resistance, with surface oxidation protecting the aluminium. No need to paint.

### **Nitrogen Accumulation**

Nitrogen accumulators absorb the Yaw movement energy from the boom under braking, acceleration and steering.



### **POMMIER extrusions**

Light weight and ease of fabrication eliminates many of the cost-intensive welding operations that could weaken the material.



# COMMANDER

## Capacity spraying



### COMMANDER - Instant spray pressure and rate control

One of the most awarded sprayers with tank sizes 6500, 8500 & 10000 litres and boom widths from 24m to 48.5m still leads the way in capacity and performance.

Using DynamicFluid4 precision application rate control, COMMANDER delivers instant spray pressure on every headland and unrivalled rate control - holding the target rate without lag, whether sections are being switched on or off, or changing speed.

### DynamicFluid4

DynamicFluid4 delivers the target rate and pressure as soon as the nozzles are switched on.



### Hydraulic Suspension

Proven reliability and performance, is compact and provides a low centre of gravity and enhanced boom stability.





Fast, safe chemical mixing and transfer is provided with TurboFiller and direct chemical suction. A unique 27-point high capacity venturi agitation ensures effective uniform tank mixing.

### TurboFiller

The TurboDeflector creates a powerful liquid vortex to mix and transfer the chemicals.



A choice of spray controllers offer the highest level of performance and application precision. The fluid system, from tank to nozzle, has been developed to retain the lowest possible residual volume, making it easier to rinse between fills.

### WorkZone

Everything is located within easy reach with filling and cleaning controlled by colour coded SmartValves.





## NAVIGATOR - Seamless control

NAVIGATOR is designed to cope with the toughest broadacre and row crop spraying conditions. It has the lowest centre of gravity in its class, with the tank and chassis completely integrated.

With 5000 & 6000L tank capacities, a choice of wide booms and DynamicFluid4 pressure-based rate control,

NAVIGATOR delivers productivity and optimised application efficiency.

The workzone has all the primary functions needed to operate the sprayer. Filling and cleaning is controlled by two colour coded SmartValves.

## User Friendly

Everything is located within easy reach with filling and cleaning controlled by two colour coded SmartValves.

## Hydraulic Suspension

Optional heavy duty Hydraulic Suspension with proven reliability and performance, and enhanced boom stability.



# NAVIGATOR

Application efficiency



The front platform provides easy access to the lid and a 450L rinse tank is positioned over the axle for best weight distribution and stability. Adjustable axle from 1.8 to 2.25m and fixed 3m axle options offer excellent crop clearance of 73 to 82cm.

A wide range of steel and aluminium 18 to 36m booms are available to suit a variety of broadacre spraying applications.

## VACnMIX or TurboFiller

Chemical mixing and transfer is fast and easy with a choice of VACnMIX or TurboFiller.



## AutoHeight

Provides stress-free boom height control as it delivers better application and reduces spray drift.





## NAVIGATOR - Pre-emptive rate control

NAVIGATOR 3000 & 4000 has a powerful pre-emptive application rate control system that meets the demands of modern precision farming practices.

DynamicFluid4 provides instant spray pressure and unrivalled rate control whether sections are switched on or off, changing speed or turning in or out of headlands.

## Easy Operation

To operate the sprayer, everything is within easy reach with two colour coded SmartValves used for filling and cleaning.



## SmoothRide Suspension

Suspension ensures a higher work rate while providing better sprayer ride, boom performance and comfort.



# NAVIGATOR

Precision spraying



NAVIGATOR has the lowest centre of gravity in its class and is available in 3000 & 4000L capacities. The tank & chassis is aesthetically integrated and a 450L rinse tank is positioned over the axle for best weight distribution and stability.

The axle track width can be adjusted and it has excellent ground clearance of up to 80cm.

A wide range of booms are available from 12 to 30m in both steel and aluminium.

## VACnMix or TurboFiller

Chemical mixing and transfer is fast and easy with a choice of VACnMIX or TurboFiller.



## HC 5500 DF4

Provides function and rate control in an ergonomic user friendly design and works seamlessly with DynamicFluid4



# RANGER

Class leading design



## RANGER - reliability you can count on

2500 litre capacity and boom options from 12 to 24m, RANGER is a heavy duty integrated sprayer for row crop, cereals and pasture applications.

RANGER has a low centre of gravity, 70cm clearance, 1.56 to 2.34m track width adjustment and paralift boom height control to 1.55m.

A foot step and hand rail makes easy and safe access to the platform and the tank lid. The tank shape provides excellent weight distribution and is designed for effective agitation. An optional 250L rinse tank is positioned over the axle for stability.

## Easy Operation

To operate the sprayer, everything is within easy reach with colour coded manifold valves used for filling and cleaning.



## Application Control

Pressure regulation and boom section valves are operated from the tractor seat. Optional HC 5500 controller pictured.





The manifold fluid system has colour coded position icons to make operation easy, while the optional TurboFiller enables fast, safe transfer of crop protection products.

Optional HC 2500 or HC 5500 controller provides precise application regardless of speed.

### **VACnMix or TurboFiller**

Chemical mixing and transfer is fast and easy with a choice of VACnMIX or TurboFiller.



### **Pump options**

A robust cast iron 3 diaphragm pump delivers 114 l/m. An optional 6 diaphragm delivers 194 l/m for those higher rates of application.



# Your **HARDI** dealer for sales, parts and service:



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Canowindra	McClintock & Co	(02) 6344-1208
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Three Springs	Cunninghams Agricultural Service	(08) 9954-1179
Wongan Hills	McIntosh & Son	(08) 9671-1300

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