NEXT-GENERATION
WEED CONTROL
WEED-IT, from Croplands, is an evolution in weed management.

Designed with the challenges that growers face in mind, WEED-IT provides you with more control while taking efficiency to the next level. That’s why over 13,000 WEED-IT sensors have been sold in Australia alone and why it’s the best-selling optical spot spraying system in the world.

Using advanced sensors, WEED-IT detects chlorophyll in the leaves of actively growing weeds in fallow fields, identifying and targeting them with unrivalled accuracy. This saves you water and time, preserves precious soil moisture and minimises the weed seed bank. It also drastically reduces herbicide use, which maximises your return on investment.

Evolve your business with WEED-IT – it’s the future that puts hard-to-kill weeds in the past.
Superior mode of detection
WEED-IT’s near-infrared technology emits a blue light, making it more sensitive to the chlorophyll in fallow weeds and less sensitive to any interfering factors. This advanced mode of detection enables faster travel speeds and targets even the smallest of weeds. Plus, its 50Hz 6-volt solenoids ensure exceptionally fast and accurate nozzle activation.

Improved resistance management
WEED-IT uses a fraction of the herbicide normally used when blanket spraying. Because of this, you have the opportunity to include chemicals normally considered too expensive for blanket application and develop a long-term herbicide resistance management strategy. This means it’s economical to employ a ‘go hard and go early’ approach to weed management, targeting young weeds and driving down the overall weed seed bank.

Calibrated for effortless operation
WEED-IT automatically calibrates 40,000 times per second, compensating for factors such as dust, daylight conditions and the presence of stubble. It also performs just as well at night, giving you a wider window for application.

Excellent turn compensation
Weeds are targeted accurately around tight corners, regardless of boom tip speed. This is because each sensor is fitted with a three-axis accelerometer for integrated speed correction.

Enhanced electrical system
WEED-IT’s clever 48-volt system draws far less current. This means that unlike other weed detection equipment, there’s little strain on your tractor’s electrical system. This provides faster solenoid activation and enables superior results at higher travel speeds.
Sensors distributed for precision
WEED-IT’s sensors are spaced one metre apart. Fewer sensors mean less structural stress on the boom and improved travel speeds. A single sensor controls four nozzles at 25cm spacings, providing superior coverage than systems with wider nozzle spacing.

Row crop spraying
WEED-IT sensor spacing can be adapted to 40" to meet the needs of row cropping or to match tillage equipment based on imperial measurements.

In-cab monitor and controller
The easy-to-use display provides constant monitoring of solenoid and sensor operation. It reports any malfunctions or errors on-screen, including warnings for low pressure, sensor faults and voltage.

The smart design enables easy fault identification, resulting in increased productivity as you don’t need to check or monitor the machine as often.

You can also adjust the sensitivity from the menu, while the controller monitors increased boom speeds on corners and automatically adjusts response times to ensure the nozzle always hit its targets. The monitor also keeps a record of nozzle activation and sensor history.

Nozzle selection
The standard 40-degree flat-even fan nozzles deliver a coarse droplet spectrum and provide great coverage for broadleaf weeds in warm summer weed spraying environments.

Full-cone nozzles can be used for larger targets where non-systemic chemicals are strategically employed to avoid overuse of glyphosate. The full-cone nozzle gives you the advantage of spraying forwards and rearwards at an angle, enhancing penetration.

The full-cone spray pattern provides exceptional coverage – coverage is king with contact herbicide applications.

A low drift air inducted nozzle is also available for sensitive operations where drift reduction is paramount.
Croplands’ unique boom is designed to deliver the ultimate results in weed detection and eradication.

Croplands’ heavy-duty, hydraulic-fold 24 and 36-metre contour-following booms are designed to take on Australia’s challenging broadacre farming conditions.

Designed to maintain even height above the ground to optimise weed detection, Croplands’ contour-following booms can operate at five different planes to mirror the contours as accurately as possible. This means that, with only small variations in height, the sensors will target small grasses effectively as the boom height is maintained.

WEED-IT’s boom wheels are custom engineered with air-ride suspension. This helps to maximise sensor effectiveness by controlling compression and rebound, ensuring that sensors maintain an unparalleled level of detection.

The hydraulically steered inner-boom wheels control the folding and unfolding of the boom, which is also a pivot point for the boom to contour follow.

In-cab hydraulic-folding boom
The boom can be folded and unfolded hydraulically via controls in the cab, so transitioning from transport position to field operation is always quick and effortless.
The WEED-IT 7000 takes weed control to the next level. Named after its 7000L main tank, it also includes an 800L flushing tank and 1500L hot tank, the latter of which holds high-concentration chemicals for spot spraying. This helps in the management of hard-to-kill weeds and inhibits herbicide resistance.

The WEED-IT 7000 has been engineered with Australia’s tough conditions in mind. From improved chassis and suspension system to the development of the contour-following boom, which is specifically designed so sensors target even the smallest weeds, every element has been made for high durability and productivity.

To reduce your chemical use, minimise weed seed banks while retaining soil moisture, look no further.
CROPLANDS 7000 PRECISION SPRAY RANGE

7000L main tank
WEED-IT sensors or the blanket line can be run from the main tank, utilising the dual pumps simultaneously. For example, a pre-emergent herbicide could be applied through the blanket line, while the spot-spray line may apply a knockdown herbicide to existing weeds.

800L flushing tank
Used to regularly flush the boom system and main tanks. Its large capacity may provide enough fresh water to finish the last few hectares.

Boom recirculation
Recirculation plumbing keeps boom lines active with improved flow response.

1500L hot tank
Used for alternative or high-concentration chemicals for spot spraying.

Deeper sump capacity
Important for optical spot spraying, as 100L goes a long way and covers a lot of land.

Central control panel
Filling, flushing, chemical mixing and induction are all managed from one central point.

Fully integrated chemical induction hopper
The 60L chemical hopper is fully integrated to the sprayer’s control system and delivers chemical to the 7000L main tank, combined with a chemical suction probe to induct chemicals from smaller drums. Optional 12V chemical transfer pump system for use with enviro drums.

Front tank chemical induction hopper
30L hopper transfers chemical directly to the 1500L hot tank.

Self-fill function
The self-filling pump can be used with a 2” camlock for fast and efficient filling.

High capacity flow
Two hydraulically driven centrifugal pumps, ideal for spot spraying applications.

Level indicator
Located on the main tank. An electronic in-cab display monitors the hot tank, the main tank level indicator is optional.

Standard air ride drawbar system
Heavy-duty adjustable hitch and swivelling eye drawbar and integrated Hendrickson airbag suspension.

Air ride boom suspension
Features airbags to control ride height and coil springs to provide smooth and responsive ride for the sensors.

Chassis and axle
Robust design with three-metre air suspension axle and automatic ride height valve.

Oversize sign, mud guards and mud flaps along with rear mounted road lights, mounted at the boom tips provide protection and safety.

Dual handwash facilities
To provide fresh water for any chemical spills or emergencies.

Access platform
The up-and-over platform allows safe and easy access from both sides of the sprayer to the tanks.

The smartly designed platform provides ample chemical storage space.

Deep sump capacity
Important for optical spot spraying, as 100L goes a long way and covers a lot of land.

Fully integrated chemical induction hopper
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Level indicator
Located on the main tank. An electronic in-cab display monitors the hot tank, the main tank level indicator is optional.

Standard air ride drawbar system
Heavy-duty adjustable hitch and swivelling eye drawbar and integrated Hendrickson airbag suspension.

Air ride boom suspension
Features airbags to control ride height and coil springs to provide smooth and responsive ride for the sensors.

Chassis and axle
Robust design with three-metre air suspension axle and automatic ride height valve.

Oversize sign, mud guards and mud flaps along with rear mounted road lights, mounted at the boom tips provide protection and safety.

Dual handwash facilities
To provide fresh water for any chemical spills or emergencies.
Whether used for spot spraying only or with an optional dual line, the WEED-IT 4000 / 6000 gives you the flexibility to select which tank configuration suits your operation. Available with a 4000 or 6000L main tank, it includes all the technology and features you need to manage hard-to-kill weeds.

As highly versatile as it is high performing.

It’s engineered for high durability so it’s more than capable of taking on Australia’s harsh conditions. The WEED-IT 4000 / 6000 has everything you need to reduce your chemical use, lower weed seed banks and retain precious soil moisture.
4000 or 6000L main tank
Spot-spraying sensors or optional blanket line can be run from the main tank, utilising the dual pumps simultaneously. For example, a pre-emergent herbicide could be applied through the blanket line, while the spot spray line may apply a knockdown herbicide to existing weeds.

Optional 1100L hot tank
Spot spraying sensors can be run from the hot tank, leaving the main tank to perform a blanket spray. This common ‘hot mix’ strategy enables the use of alternative or high concentration chemicals for spot spraying.

4000 or 6000L main tank
Spot-spraying sensors or optional blanket line can be run from the main tank, utilising the dual pumps simultaneously. For example, a pre-emergent herbicide could be applied through the blanket line, while the spot spray line may apply a knockdown herbicide to existing weeds.

Central control panel
Filling, flushing, chemical mixing and induction are all managed from one central point. Sight gauge is located on the main tank. Optional electronic in-cab display can monitor the hot tank and/or the main tank.

Air ride boom suspension
Heavy-duty adjustable hitch and swivelling eye drawbar and integrated Hendrickson airbag suspension.

Oversize sign with rear mounted road lights, mounted at the boom tips provide protection and safety.

Chassis and axle
Robust design with three-metre, air suspension axle and automatic ride height valve.

Hydraulic drive centrifugal pumps
Ideal for spot spraying applications. A second pump is provided if the twin tank and twin line option is selected.

Boom recirculation
Recirculation plumbing keeps boom lines active with improved flow response.

Chemical induction hopper
The 60L chemical hopper is fully integrated to the sprayer’s control system and delivers chemical to the main tank, along with a chemical suction probe to induct chemicals from smaller drums. Optional 12V chemical transfer pump system for use with enviro-drums.

Off-centre jets for fence-line spraying, left and right
Provides the ability to spray closer to fence-lines and obstacles.

20L freshwater tank
To provide fresh water for any chemical spills or emergencies.

470L flush tank
Used to regularly flush the boom system and main tanks, its large capacity may provide enough fresh water to finish the last few hectares.
5000 or 7000L main tank
Spot-spraying sensors or blanket line can be run from the main tank, utilising the dual pumps simultaneously. For example, a pre-emergent herbicide could be applied through the blanket line, while the spot spray line may apply a knockdown herbicide to existing weeds.

Hydraulic drive centrifugal pumps
Ideal for spot spraying applications. A second pump is provided if the twin tank and twin line option is selected.

40L chemical hopper
To enable effective mixing capabilities.

Level indicators
Sight gauge is located on the main tank. Optional electronic in-cab display can monitor the hot tank and/or the main tank.

Central control panel
Filling, flushing, chemical mixing and induction are all managed from one central point.

1500 or 3000L optional hot tank
Spot spraying sensors can be run from the hot tank, leaving the main tank to perform a blanket spray. This common ‘hot mix’ strategy enables the use of alternative or high concentration chemicals for spot spraying.

500L flushing tank
Used to regularly flush the boom system and main tanks. Its large capacity may provide enough fresh water to finish the last few hectares.

Central control panel
Filling, flushing, chemical mixing and induction are all managed from one central point.

30L handwash tank
Used to regularly flush the boom system and main tanks. Its large capacity may provide enough fresh water to finish the last few hectares.

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The WEED-IT Quadro can be retrofitted to several makes and models of self-propelled sprayers.

The self-propelled sprayer kit utilises an alloy bracket kit to reduce its weight while maintaining strength and is specifically designed for each boom. Unlike competitor kits, which require a large amount of engineering and replumbing to be fitted, this set is as efficient and intuitive as the WEED-IT’s performance.
Tank and chassis
• 500L polyethylene tank fitted with hinged lid top/bottom fill and fully draining sump. UV and chemical resistant. Easy-access bottom fill and controls.
• Can be filled with a fire-fighter through the standard 2" fill coupling.
• 12m chrome moly fabrication for excellent strength and reduced weight. Includes easy-access platform designed for maximum durability, fitted with stands for when it’s uncoupled.

Controls
• WEED-IT System – 13-sensor centre-plumbed metric system with easy-to-use intelligent display provides constant solenoid and sensor operation feedback, with malfunctions or errors reported on-screen.
• This display allows for setup and sensitivity adjustments from the intuitive menu.
• The controller also monitors increased boom speeds on corners and automatically adjusts response time to ensure the nozzle hits the target.

Flushing and safety
• 60L fresh water/handwashing tank fitted for operator safety.

Chemical handling
• 30L chemical hopper fitted as standard equipment.

WEED-IT controller and mount bracket
• For easy installation in the tractor cab.

GPS speed sensor
• The Astro 5 GPS Speed Sensor continues to provide speed input when turning on headlands for consistent application and accurate speed readings.

Boom recirculation
• Recirculation plumbing keeps boom lines active with improved flow response.

Power box
• Mounted to the toolbar provides power to all sensors and solenoids.

Pressure filters
• Traps particles before reaching the solenoid valves and nozzles.

Tank and chassis
• 1600L polyethylene tank fitted with hinged lid top/bottom fill and fully draining sump. UV and chemical resistant. Easy-access bottom fill and controls.
• Can be filled with a fire-fighter through the standard 2" fill coupling.
• 24m steel fabricated boom with fold-over tips folds forward for excellent weight distribution and road transport width. Includes easy-access control panel for functions, boom recirculation, tank level sensor, end-row nozzles and triple-nozzle bodies as standard equipment.

Controls
• WEED-IT System – 25-sensor centre-plumbed metric system with easy-to-use intelligent display provides constant solenoid and sensor operation feedback, with malfunctions or errors reported on-screen.
• This display allows for setup and sensitivity adjustments from the intuitive menu.
• The controller also monitors increased boom speeds on corners and automatically adjusts response time to ensure the nozzle hits the target.

Flushing and safety
• 60L fresh water/handwashing tank fitted for operator safety.

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