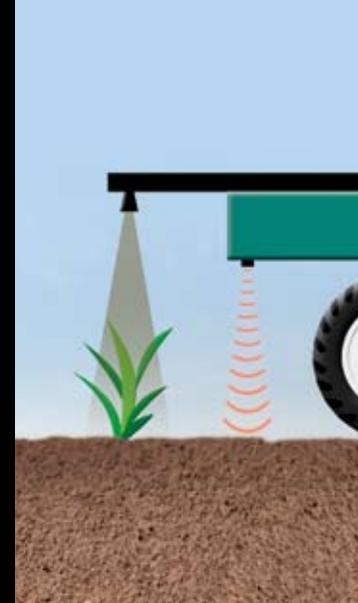
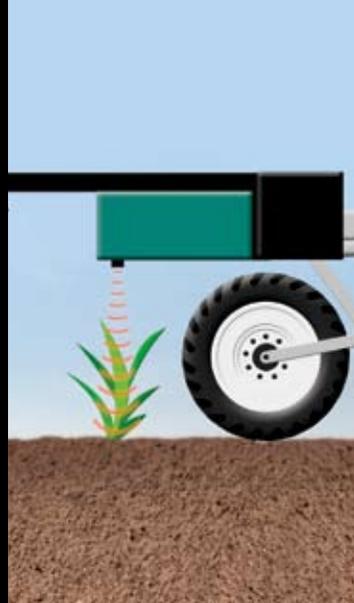




Spot on spraying



Travel up to 25km/h

1 sensor per metre

No calibration

Detect weeds as small as a 20¢ piece

Sun and water resistant sensors

User-friendly console

Enables multiple applications

Ideal for contractors

Fast-acting spray release

Lightweight

Full local support from your gps-Ag dealer

Use up to 90% less chemical

The WEEDit combines very accurate and super fast weed detecting technology to only spray weeds in a highly efficient manner. The segmented sensors have five nozzles each, and the fast acting solenoids produce the smallest possible spraying footprint, even at speeds of up to 25km/h. WEEDit works by using red light technology which detects the chlorophyll from the weed and sends a quick response to the nozzles which release the spray onto the weed.

High Speed = High productivity

A very significant benefit of the WEEDit is its high speed operation. The WEEDit sensors are operating so they take 1 reading every mm up to a speed of 25kph. This operating speed means more productivity and more time saved!

High speed operation gives greater productivity and better utilisation of your investment.

The small spraying footprint means you use even less chemical resulting in less tank refill's and you can spend more time spraying.

Background calibration

Changes in background conditions is a significant issue for weed identification systems; the main being changes in soil type/colour and stubble load. The WEEDit is inherently less sensitive to changes in background conditions because it is only measuring chlorophyll, it also has automatic background calibration so that the system is always operating at its optimum. For the farmer this means you can have optimum performance across the entire field!

Electrical management

With so many solenoids, sensors and powerful light sources these systems place significant demands on power supplies. The WEEDit system overcomes these issues by running at 48V. This means solenoids open and close much faster and current draw is 4 times less than a 12V system, hence lighter gauge wire can be used and electrical losses can be minimised. The fast valve operation also allows for faster travel speeds.

Detects even the smallest weeds

The WEEDit sensors are so sensitive they can detect weeds as small as a 20c piece. The high energy LED light source serves to illuminate the smallest weed making it detectable by the sensors.

Light weight

Sensors are spaced on the boom at 1 per metre so the WEEDit has significantly less sensors. Fewer sensors mean less electronics and lower weight. Making WEEDit more suitable for fitting to existing booms by creating lower loads on the suspension system - this is especially important when operating at high speeds.

Sensors protection

WEEDit uses the best quality sensors available and to protect these expensive parts we have designed a robust metal housing unit that shields the sensors and given it operates 1 metre off the ground this minimises possible damage.





WEEDit is the most superior weed targeting console currently available in Australia.

The system's ability to retain valuable information from the spraying operation is unprecedented. With the WEEDit console, the operator has complete control over how much data they want to use.

User friendly console

The easy to use console makes it possible to change the sensitivity of the spraying operation to suit any variety of spraying needs. The console contains a memory function that allows the operator to check how much chemical has been used and saved. It also displays the performance of the sensors as they operate.

Stubble

WEEDit operates at 1 metre off the ground; the advantage at this height is that weeds are still detected even when stubble is present. To get optimum performance it's always best to keep stubble as short as possible.

Work Day or Night

WEEDit has its own light source which means you do not need to stop spraying at night. Actually weed detection improves at night because there is less interference from sunlight and summer weeds are often less stressed at night so reaction to chlorophyll is greater.

Nozzles

The WEEDit uses narrow fan angle nozzles that produce coarse droplets that are ideal for minimising drift and for targeting broadleaf weeds.

Be good to the environment

By using less chemical spraying becomes more environmentally friendly and users may even be eligible for government assistance.

Get it Right

WEEDit is the next advancement in spray detection technology. The entire design has been engineered to provide world-best technology to help save you money!

WEEDit Specifications

Weed-IT Ag sensors

Detection height:	110cm
Detection width:	100cm, divided in 5 sections of 20cm
Overlap between sensors:	7cm
Weight sensor:	1.7kg (including cables)
Total weight on boom:	2.8 kg per meter width (incl. solenoids, fittings and fasteners)
Size sensor L x W x H:	200 x 100 x 80mm
Minimal detection size plant:	5 cm ² (less in dark conditions)
Power consumption sensor:	13.5 Watt per sensor
Power per solenoid:	0.6 Watt
Total power max:	16.5 Watt per sensor (all solenoids opened)
Max width system:	36 sensors
Voltage on sensor:	48 Volt
Max. current draw on boom:	6.2 Amp (18 sensors per side)
Max power converter:	600 Watt output (efficiency 85%, so input power is 705 Watt)
Current draw on battery:	55 Amp @ 13.6 Volt (36 sensors, max solenoids on)

General features:

- Max speed 25 km/h
- No surface calibration
- Sampling rate per sensor maximum: 41500 samples per second (at 25 km/h)
- Watertight enclosure IP67.
- Shockproof
- Dustproof
- UV resistant components, cabling and connectors
- High quality cabling, chemical resistant, very flexible.
- Graphic display control box, fault detection system
- Monitoring of pressure and flow possible
- Graphical display of solenoid activity
- Flashing blue led on front of sensor at weed detection, also visible on graphic display.
- Possibility to use GPS signal for speed pulse. (or wheel sensor, or radar)



Our technical support makes the difference™

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