



**Single**  
AGRICULTURE

# WeedMapper

WeedMapper combines advanced drone mapping technology to provide growers with a cost-effective solution to control herbicide resistant weeds, reduce spray costs and maximise herbicide effectiveness in broadacre farming.

## THE WEEDMAPPER DELIVERS THE FOLLOWING BENEFITS

### EFFICIENT DRONE MAPPING

Capable of mapping 1,500 to 2,000 hectares per day, even in challenging weather conditions.

### HIGH PRECISION

Detects weeds as small as 3 cm in diameter with minimal false positives.

### SAME-DAY SPRAYING

With WeedMapper, you can create precise weed maps within hours of flying to commence spraying on the same day.

### VERSATILE COMPATIBILITY

Works seamlessly with compatible Trimble, Raven, John Deere, and Ag Leader GPS spray controllers.

### DUAL-LINE SPRAYER INTEGRATION

Supports simultaneous blanket & spot spraying with different chemistries, improving efficiency and targeting resistant weeds.

## SIMPLE TO USE AND SET UP

### 1 MAPPING

Drone captures high-resolution images (1 cm GSD) from an 80-meter altitude.

### 2 ANALYSIS

Data is processed to identify weed types, sizes, and coverage. Data is processed into spray maps on farm.

### 3 SPRAYING STRATEGY

Using the WeedMapper software select the targeted application to reduce waste and guide sprayer controllers efficiently.

### 4 START SPRAYING

Dual-line systems allow for simultaneous blanket & spot spraying, maximizing operational efficiency.



## WEEDMAPPER PRODUCTS

We have the right solution for both small and large farms. The WeedMapper Solo has one camera and is suited to smaller farms, and the WeedMapper Duo has two cameras and can achieve higher speeds for large farms. By simplifying weed control, you can gain a faster return on investment with lower upfront costs than OSS systems while benefiting from a solution that improves weed control efficiency.

FEATURE	WEEDMAPPER SOLO	WEEDMAPPER DUO
Mapping Rate	150 Ha/hr	260 Ha/hr
Swath Width	40 m	80 m
Flight Speed	54 km/hr	54 km/hr
Drone	DJI Matrice 350	DJI Matrice 350
Flight Duration	22 Minutes	22 Minutes
Number of Battery Sets	4 (2 per set)	4 (2 per set)
Charge Time	30 Minutes (to 90%)	30 Minutes (to 90%)

### WEEDMAPPER DELIVERS OPERATIONAL EFFICIENCY SUITED TO BROADACRE GROWERS:

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Operates at blanket sprayer speeds (up to 24 km/h).

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Achieves field efficiency increases from 60% to 90%.

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Maps and spraying can occur outside narrow spray windows, vital in regions with weather constraints.

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Enables early detection and treatment of weeds to reduce seed banks and prevent resistance.

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### CONTACT US

For more information on how WeedMapper can transform your farm's weed management visit <https://singleagriculture.com.au/> or contact Shane at [shane@singleagriculture.com.au](mailto:shane@singleagriculture.com.au) or 0493 193 582