



Single
AGRICULTURE

WeedMapper - M400

WeedMapper combines advanced drone mapping technology to provide growers with a cost-effective solution to target weed locations, reduce spray costs and maximise spraying 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 85-meter altitude.

2 ANALYSIS

Data is processed to identify weed location, 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

Use your existing rig as a spot sprayer, 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	300 Ha/hr
Swath Width	45 m	90 m
Flight Speed	46 km/hr	46 km/hr
Drone	DJI Matrice 400	DJI Matrice 400
Flight Duration	~ 40 Minutes	~ 40 Minutes
Number of Batteries	Pack contains 3 batteries with only 1 used at a time	Pack contains 3 batteries with only 1 used at a time
Charge Time	40 Minutes (to 90%)	40 Minutes (to 90%)

*The Duo sensor is available as a product to mount on your own drone. The sensor is backwards compatible with the Matrice M350/M300.

WEEDMAPPER DELIVERS OPERATIONAL EFFICIENCY SUITED TO BROADACRE GROWERS:

Operates at blanket sprayer speeds.

Increase field efficiency by knowing the area to be sprayed before loading the spray rig.

Weed mapping can occur outside narrow spray windows, vital in regions with weather constraints.

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

CONTACT US

For more information on how WeedMapper can transform your farm's weed management email info@singleagriculture.com.au or contact Shane on 0493 193 582