



BILBERRY SMART SPRAYING

Bilberry's advanced smart spraying technology utilizes cutting-edge artificial intelligence and camera systems to identify and target weeds within crops (green on green) and fallow (green on brown) situations. By applying herbicides only where needed, this solution can reduce herbicide costs by up to 90%, while providing valuable agronomic insights for improved weed management.

KEY BENEFITS

Bilberry saves you time, money and improves the outcomes on your farm

Cost Efficiency

Reduces herbicide input costs by up to 90%.

Sustainability

Supports environmental practices by reducing chemical use.

Precision Agriculture

Targets weeds accurately, minimizing chemical usage.

Agronomic Insights

Offers detailed weed mapping for better decision-making.



To learn more,
contact us at
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HOW IT WORKS—THREE SIMPLE STEPS

1 Scan

Bilberry cameras scan the field and capture images.

2 Detect

Images are assessed in real time by computing modules. Weeds are detected using AI algorithms.

3 Spot Spray

Weed location and size data is processed and the weeds are spot sprayed.

OPERATIONAL ADVANTAGES

User friendly and highly accurate

- **Speed and Efficiency**
Operates at speeds up to 25 km/h, each camera capturing over 8 images per second for rapid weed detection and spraying.
- **User-Friendly**
Simple operation with a cab-mounted control center.
- **Reduced Chemical Exposure**
Less frequent refilling minimizes operator exposure to chemicals.
- **Accuracy and dependability**
Users can expect to detect and spray on average 90% of weeds, larger than 4cm in diameter in optimal conditions.*

* Optimal contiditions include: stable light conditions, good weed visibility and standard spraying weather conditions.

COMMERCIAL APPLICATIONS

Applications available for commercial use infield

- **Green on brown**
 - Broadleaf in Cereal
 - Grass in Canola
 - Blue Lupin in Lupin
 - Broadleaf in Lupin
 - Grass in Lupin
 - Vetch in Lentil
 - Grass in Lentil
 - Broadleaf in Lentil
 - Weeds in Lentil
 - Grass in Chickpea
 - Broadleaf in Chickpea
 - Weeds in Chickpea

APPLICATIONS IN LARGE SCALE TESTING

Testing is being completed on the following applications:

- Grass in Sorghum
- Broadleaf in Sorghum
- Weeds in Sorghum
- Heading Grasses in Cereal
- Broadleaf in Cotton
- Grass in Cotton
- Weeds in Cotton

Bilberry expects to release new commercial applications for these crop types in the near future.



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Reach out to us to find out more:
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