

The Only Ultra-High Precision Smart Sprayer On the Market

Ultra-high precision spraying of herbicides, fungicides, insecticides or liquid fertiliser reducing plant protection product use by up to 95%. ARA is the proven solution for complying with stringent environmental regulations and increasing agriculture profitability.



Ultra-High Precision Plant-by-Plant Treatment

Reduce plant protection product use by up to 95%!



Rapid Amortisation of Equipment

Return on investment in two to four years, depending on farm size.



Increase Your Profitability

Save on plant protection products while increasing your yields.



Versatile Use All Year Round

Wide range of applications: herbicides, insecticides, fungicides, fertiliser, etc.

A Revolution in Ultra-High Precision Farming

ARA is the most precise field sprayer on the market which enables plant-by-plant spraying.

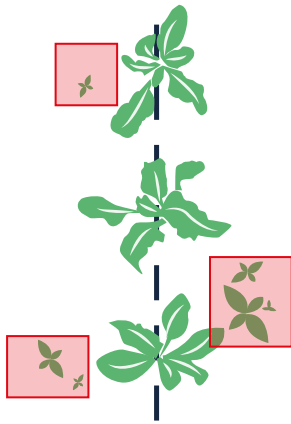
Actual-Size Demonstration

ARA has a precision
of 6×6 cm

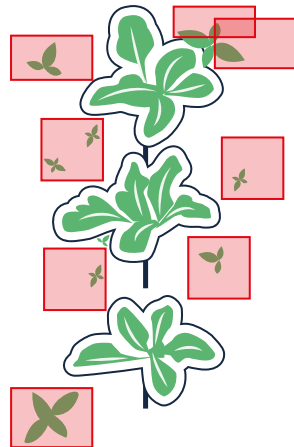


Operating Procedures

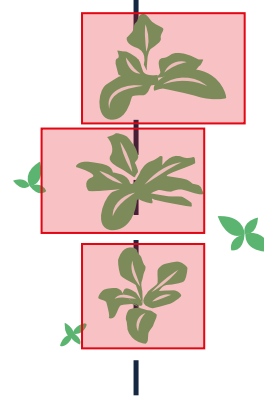
With a working width of 6m and a driving speed up to 7km/h, ARA achieves a coverage of 4+ hectares/hour.



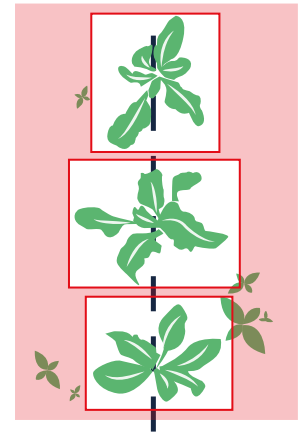
Application of selective herbicides on weeds even close to crops.



Application of non-selective herbicides on weeds while avoiding any contact with the crop thanks to an adjustable safety zone.



Application of insecticides and fungicides on the crop only – avoiding losses on ground and weeds.



Spray all but crop allows to treat all the soil, including weeds, while avoiding the crop.

Ultra-High Precision Plant-by-Plant Spraying

Reduced phytotoxicity thanks to ultra-high precision spraying – increasing crop yields and improving biodiversity

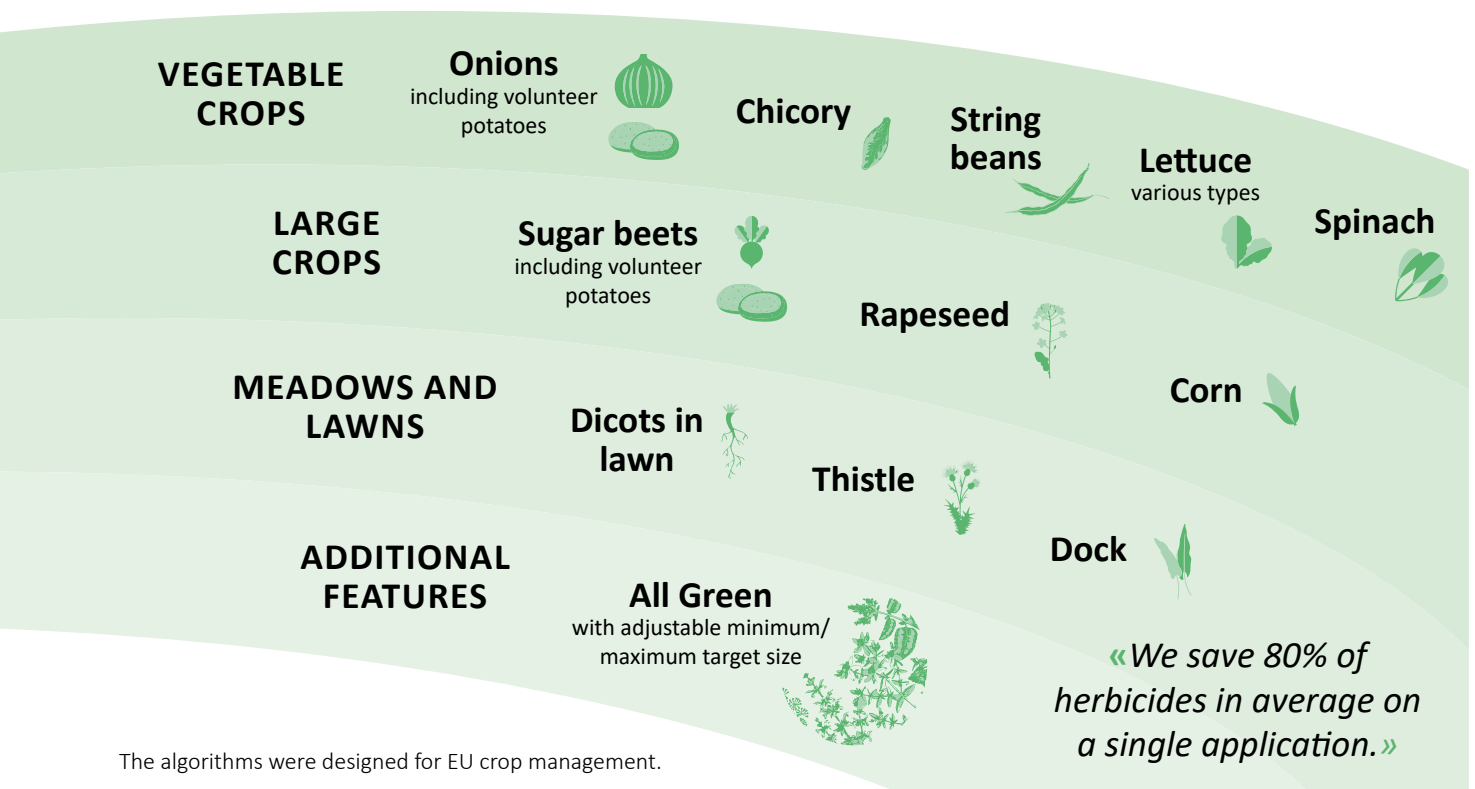
Nozzle action close to the ground and protective covers minimizes spraying drift by over 90%.



Versatile Use All Year-Round, Day and Night, Even in Windy Conditions

The ARA smart sprayer operates as well at night as it does in the day and can cover up to 96 hectares every 24 hours. The sun covers also protect against wind and greatly reduce potential drift.

The wide range of crop protection applications allow the use of herbicides, fungicides and insecticides for row crops, vegetable crops, as well as meadows and lawns. New crops are added regularly, please check our website.



The algorithms were designed for EU crop management.

ecorobotix.com/en/types-of-crops





The Dual-Tank System

A water tank and a spray liquid tank are carried in the front attachment of the tractor.

This enables mobile refilling of the spraying liquid in the field.

After initial treatment, the optimal mix of spray liquid is automatically calculated to simplify completing the work in a given area.



An Easy-to-Use Application to Operate ARA

ARA is easily operated with a tablet in a few clicks. Just select the type of crop and type of treatment and ARA does the rest. All other settings are automatically set to match the driving speed and direction.

Ultra-high precision agriculture without any change to how you operate.



A three-phase technology – implemented instantly on the machine:

- 1 Images collected by the cameras and analysed instantly
- 2 Recognition identification of individual crops and weeds
- 3 Ultra-high precision plant-by-plant spraying of products only onto target plants/weeds



Your Cloud Assistant

Optimise your crop management based on automatic documentation of your operations.

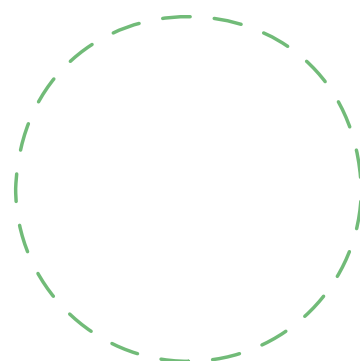
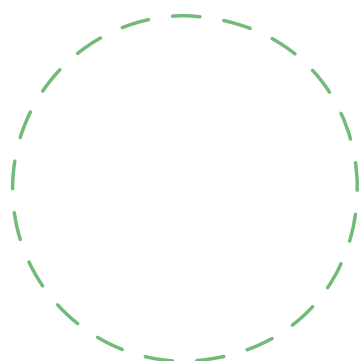
During treatment, data is continuously recorded by ARA and then stored in the cloud.

With your personal login you have access to detailed statistics, for example, the amount of plant protection products used and the area worked. In addition, an application map is created for each field.

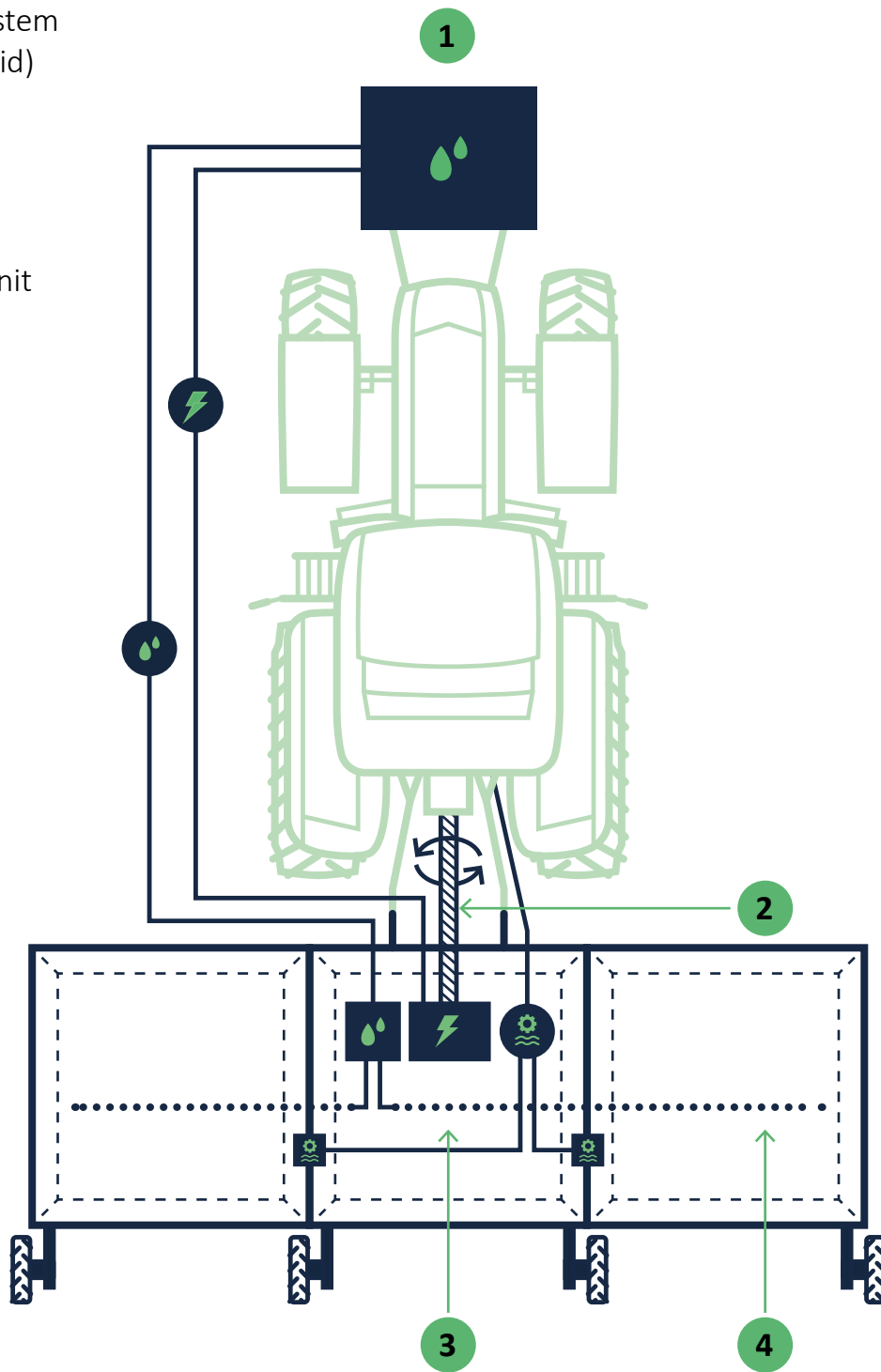
Technical Data

| | |
|---|--|
| System dimensions Length × Width × Height | 3 spraying modules Transport dimensions : 2.6 m × 2.8 m × 3.3 m Working dimensions : 2.6 m × 6.6 m × 1.3 m Wheel spacing : 1.5 to 2 m |
| Spraying dimensions | 156 high-precision spray nozzles spaced 4 cm apart |
| Weight | Front tank : 450 kg (empty) and 1350 kg (full) Spraying modules : 1160 kg |
| Front tank volume | 600 litres water tank + 300 litres spray tank |
| Working width | 6.0 m |
| Spacing between crop rows | No constraints |
| Speed | Up to 7.2 km/h |
| Wheels | Available for crops or meadow |
| Area output | 4 hectares/hour, day & night |
| Efficiency | Up to 95% saving on plant protection products (depending on weed density) |
| Connections on the tractor | Hydraulic : min. 100 bar PTO : 3 kW max. (4 cv) of energy required |
| Nozzle rinsing | According to existing standards |
| Control and configuration | Via wireless tablet |
| Communication | Short (Wi-fi) or long distance (3G, 4G) |

Specifications for information purposes only, subject to change without prior notice.



- 1 Front dual-tank system (water + spray liquid)
- 2 PTO
- 3 Hydraulic power unit
- 4 Spray boom



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