

Ecorobotix Unveils AI Software Release 3.0 For ARA Smart Sprayer

The latest release, 3.0, of Ecorobotix's Plant-by-Plant™ AI Software, introduces a diverse range of new capabilities for the ARA smart sprayer.

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/EINPresswire.com/ -- [Ecorobotix](#) is excited to unveil the latest release, 3.0, of their Plant-by-Plant™ AI Software, introducing a diverse range of new capabilities for the [ARA](#) ultra-high precision smart sprayer. These developments significantly broaden the range of treatments achievable using Ecorobotix's innovative Plant-by-Plant™ AI software system.



AI Plant-by-Plant Software

Release 3.0 introduces the following five new innovative capabilities:

(1) Targeted Treatment with Size Control: Precision treatment of specified plant dimensions is enabled by setting a target size. This offers versatile applications, from precise foliar fertilization to tackling established weeds.

(2) Monocotyledon and Dicotyledon Differentiation: Ecorobotix raises the bar with advanced detection capabilities that differentiate between monocot and dicot weeds, a technological first. This distinction empowers farmers to employ treatments with graminicides exclusively on monocotyledons, maximizing the potential of Ecorobotix's pioneering technology.

(3) Revolutionary Row Algorithm: ARA's novel row algorithm advances crop row recognition, facilitating precise spraying on rows or inter-rows. This extends benefits to crops that do not yet have their own plant detection algorithms.

* (4) Customizable Safety Zones: Altering the dimensions of the safety zone surrounding the crop is now achievable. The distance of the safety zone can be modified, within which no spraying occurs. This approach is specifically designed for applying herbicides.

* (5) "Spray All but Crop" Application Mode: This revolutionary spray mode, ideal for pre-emergence and root herbicides, empowers farmers to spray all but crops, and can even be combined with the previous new feature of adjustable safety zones.

In addition to these technical functionalities, release 3.0 also presents an expanded user interface for the ARA, now accommodating * five additional languages: Czech, Danish, Spanish, Polish, and Portuguese.

* New Features included in base license

About ARA & Ecorobotix

Ecorobotix, a Swiss Certified B Corporation®, was established with a transformative vision to revolutionize agriculture by prioritizing environmental preservation through the reduction of chemical and energy usage, as well as minimizing soil impact. Ecorobotix developed its ARA smart sprayer which combines both Ecorobotix's AI Plant-by-Plant™ software and UHP-Spray-Technology™, together providing an innovative solution that operates at a plant-by-plant level, delivering unparalleled precision in crop treatment. ARA achieves remarkable reductions in input costs while simultaneously boosting crop yields and substantially curtailing CO2 emissions.

For more information, contact Ecorobotix at info@ecorobotix.com.

Abbey Flury

Ecorobotix

+41 76 222 44 27

[email us here](#)

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