

Ecorobotix introduces a revolutionary Ultra-High Precision (UHP) vegetable farming treatment

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Ecorobotix SA has reached a new milestone with the launch of its new 2026 crop algorithms. For the first time, an Ultra-High Precision (UHP) sprayer allows non-selective herbicides to be used in vegetable farming. This unique breakthrough radically transforms vegetable weeding: less manual labor, greater profitability, and a sustainable solution to the economic, environmental, and societal challenges facing producers.

“For the first time, we are demonstrating that it is possible to use a non-selective herbicide in a sensitive crop such as broccoli with precision, targeting only weeds while protecting the crop. This is a concrete alternative to selective herbicides, opening up new possibilities for vegetable farming.” Dominique Mœgret, CEO

New algorithms are opening up unprecedented opportunities for vegetable farming, especially **broccoli, cauliflower, and other varieties of cabbage**. Also, **precision thinning** in lettuce and broccoli has arrived.

Popular in North America, this feature allows growers to significantly reduce manual labor, to get more consistent crops, and better yields.

Ecorobotix's Plant-by-Plant[®] artificial intelligence (AI) is also reaching new heights by refining its detection capabilities. It no longer simply distinguishes between crops and weeds but identifies classes such as monocots and dicots within crops. This

advanced distinction is now available for carrots, lettuce, broccoli, cauliflower, various cabbages, onions, green beans, spinach, chicory, sugar beet, and rapeseed. Ecorobotix algorithms give producers greater control over weed control on their plots, reducing inputs while optimizing each spray application.

â??Weeding carrots has become even more complex since the withdrawal of Metribuzin, a key herbicide. With Ultra-High Precision spraying, it is now possible to carry out catch-up treatments against problems such as potato regrowth, black nightshade, and jimsonweedâ?• Simon Gasser, Crop Algorithm & Agronomic Services.

These innovations open up new prospects for vegetable farming: a massive reduction in manual weeding work, a direct improvement in farm profitability, and effective alternatives to the increasing restrictions on the use of plant protection products.

Ecorobotix is launching a series of algorithms currently under development, available free of charge while being refined. Among these algorithms are: leeks, garlic, celery, potatoes, and ragwort in grasslands.

This launch phase offers producers the opportunity to test Ecorobotix' upcoming Plant-by-Plantâ?¢ technological advances in new crops today. The algorithms already make it possible to expand treatment options while benefiting from ARA's spraying precision.