DEFEAT PALMER AMaranth and prevent corn injury

FORMULUS® use case for agrochemical formulators

FORMULUS® is a comprehensive formulations database and workflow solution helping formulators develop herbicides that are safe and effective.
INFLUENCE HERBICIDE EFFECTIVENESS WITH FORMULUS.

Increased emphasis on food safety and applicator safety has created a fast pivot to the adoption of safer and more eco-friendly crop protection chemicals while preventing resistance.

Yet, today’s popular and profitable herbicide actives, like glyphosate, do not effectively kill the weed Palmer Amaranth.

**Q** HOW CAN I USE FORMULUS TO FIND A GLYPHOSATE SUBSTANCE REPLACEMENT FOR MY FORMULATION?

**A** Because the weed you are trying to kill is glyphosate-resistant, start by looking up baseline formulation data filtered by herbicidal composition such as sprays. Once on the *Formulation Details* page, formulators can evaluate ingredients and explore formulations to identify alternatives.

The *Experimental Results* section near the bottom of the screen displays data about how effective a formulation is as a herbicide against Palmer amaranth, and also any negative impacts against corn, the crop you are trying to protect.
IS MY FORMULATION GOING TO BE COMPATIBLE WITH OTHER ACTIVE OR INACTIVE INGREDIENTS, AND COMPLY WITH GOVERNMENT REGULATIONS?

In this example, we see that Atrazine (CAS RN 1912-24-9) is one of the active ingredients in the formulation, along with a brand-new triazine derivative. The Commonly Formulated With feature in Formulus lets us review substance details and commonly formulated with inactive ingredients.

Scroll to the bottom of the page to the Regulatory Information section to see if this substance is on the allowable inventory list with the European Union or other export locations of interest.
WHERE SCIENCE & STRATEGY CONVERGE

Learn more today at cas.org/formulus

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