

▶ Acuron™ Corn Herbicide

Frequently Asked Questions

Formulation Testing and Handling

Why does a grower need Acuron™ corn herbicide?

Acuron corn herbicide is a step change in weed management that contains four active ingredients and three modes of action in one convenient premix. One of the active ingredients (A.I.), bicyclopyrone, is a new A.I. which helps Acuron outperform competitors and provide greater consistency of weed control. More than 700 trials show that bicyclopyrone helps Acuron provide broad-spectrum control of 70+ broadleaf and grass weeds.

How does the Acuron formulation compare to other Syngenta herbicides?



Acuron uses the same formulation technology as Lexar® EZ and Lumax® EZ herbicides while providing a step change in weed control with the addition of the new active ingredient, bicyclopyrone. Syngenta has a great deal of expertise in developing and producing premixes which help growers more effectively manage their crop. Our technical experts are extremely confident in Acuron's handling, storage and efficacy, regardless of different geographies or extreme temperatures.

What types of testing were conducted to help ensure its chemical and physical stability?

Starting at the lab scale, we honed in on key performance indicators including its flowability, tank mix compatibility and performance in hot and cold temperatures. Once we were confident at the lab scale, we conducted small bulk testing with a few hundred gallons, and finally production trials with several thousand gallons. Acuron was then placed in bulk tanks around the country, stored for several months and results demonstrated that the Acuron product retains its formulation properties very well over time.

Do temperature or geography affect how it handles?

No. We tested Acuron in a variety of storage containers – freezers, heaters, cycling freezers and cycling heaters – and emphasized the stability of this formulation in different temperature conditions. Our studies show that while going through a freeze-thaw cycle, Acuron has consistent performance that growers can count on and is an extremely robust product.

How does Acuron handle and clean out in a bulk or mini-bulk tank?

Acuron was developed for bulk production and has gone through rigorous testing procedures. By mimicking typical scenarios that a grower or retailer would experience while using the product, we test using our own bulk and spray equipment to help ensure that Acuron is a robust product. Our testing shows that Acuron has the same handling characteristics – viscosity, chemical stability, handling, storage and clean out – regardless of storage conditions, temperature or time as Lexar EZ and Lumax EZ.

Tank Mixing

Does Acuron tank mix well with fertilizers and other mixtures?

The great thing about Acuron is that even with the addition of bicyclopyrone and the improved weed control, the formulation also has great tank mix compatibility. Acuron behaves similarly to Lexar EZ and Lumax EZ – whether it's freshly produced or over-wintered – and it mixes well with a variety of products and carrier fertilizers and cleans out easily in the spray tank.

What are the tank-mix options for Acuron?

These tank-mix partners may be used in conventional reduced, or no-till systems, and may be applied by the same methods and at the same timings as Acuron, unless otherwise specified in the tank-mix section on the product label:

Acuron tank mixtures for applications prior to corn emergence

- ▶ AAtrex® brands
- ▶ Princep® brands
- ▶ Gramoxone® brands
- ▶ Touchdown® or Roundup® brands
- ▶ Warrior II with Zeon Technology®

Acuron tank mixtures for post-emergence applications

- ▶ AAtrex brands
- ▶ Touchdown or Roundup brands in glyphosate-tolerant corn

How does Acuron mix with sulfur containing fertilizers?

Acuron displays the same interactions with sulfur containing fertilizers as Lexar EZ and Lumax EZ. Growers should only use fertilizer carriers when Acuron is applied prior to corn emergence. We recommend that growers conduct a jar test prior to tank mixing with fertilizers.

Can Acuron be tank mixed with foliar fungicides?

Acuron is not recommended for mixture with foliar fungicides.

Application

Will Acuron allow for easy application?

Yes. We have tested Acuron by diluting it with different carrier fertilizers, water types and mixture products, then add it to a spray rig with agitation. After pouring Acuron through filters, we see that there is not any sedimentation left for potential nozzle or filter blockage.

What if Acuron needs to be left in a spray tank over an extended period of time, such as a rain delay?

Another advantage to spraying and mixing Acuron is that if the product is left in a spray tank over time, it can be expected that with agitation, the product will re-suspend, spray and clean out without issue.

Are there any interactions with Acuron and soil insecticides with pre-emergence or post-emergence applications?

Interactions with soil insecticides and Acuron are the same as with Lexar EZ and Lumax EZ. Growers should avoid using Acuron on corn that has been treated with an organophosphate insecticide.

Can Acuron be soil incorporated?

Acuron can be soil incorporated. For best results, do not incorporate more than two to three inches deep.



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