

Acuron®  
3 qt/A

Resicore®  
2.5 qt/A

▶▶ Acuron corn herbicide outperforms  
Resicore against tough weeds



syngenta®

21 days after treatment. 2016 Syngenta trial. DeWitt, MI.

®



With glyphosate weed resistance expanding, farmers are looking for products that deliver a higher level of weed control. Containing acetochlor, mesotrione and clopyralid, Resicore® corn herbicide has similar modes of action as Lumax® EZ corn herbicide, delivering similar weed control to what has been available in the market for years. Acuron® corn herbicide, powered by bicyclopyrone and three other complementary active ingredients, delivers more consistent control against tough weeds with a single product than ever before.

## ▶▶ Acuron is a step change in weed management above Resicore, offering:



### Greater consistency against more weeds

With four active ingredients and three effective modes of action, Acuron provides more reliable control against a wide spectrum of weeds.



### Longer residual control

Acuron controls more weeds later in the season, protecting the crop to help achieve maximum yields.



### Proven crop safety

The Acuron formulation was specifically designed for better crop tolerance in post-emergence applications.



Resicore 3 qt/A



Acuron 3 qt/A

Gilbert, IA, 2016

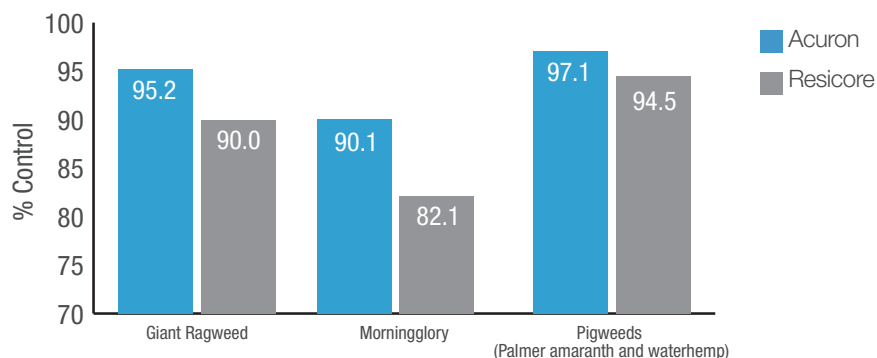
73 Days After Treatment

## Greater consistency

Acuron has three effective modes of action. Resicore has two modes of action. The clopyralid in Resicore herbicide is not a lethal dose rate.

### Acuron compared to Resicore in 14 replicated trials

Data Source: 14 Syngenta/University Trials (2016)  
1X rate applied per label use rate  
Giant ragweed (n = 2)  
Morningglory (n = 5)  
Pigweeds = Waterhemp + Palmer (n = 8)



## The power of bicyclopyrone

Bicyclopyrone was developed to complement mesotrione. When combined with atrazine and S-metolachlor in Acuron, bicyclopyrone and mesotrione deliver broader spectrum and more consistent control of tough weeds in corn.

Below are comparisons of bicyclopyrone to clopyralid (better known as Stinger®), one of the active ingredients in Resicore.

**Bicyclopyrone (alone or with atrazine) provides greater control of waterhemp 14 days after treatment (DAT) than Stinger (alone or with atrazine).**

### Waterhemp control: Bicyclopyrone vs. Stinger – 14 days after treatment

Application rates applied post-emergence: AAtrex® 4L 1 pt/A, bicyclopyrone 3.5 fl oz/A, Stinger 2.5 fl oz/A. Treatments included Agri-Dex® and AMS at 1% and 2.5% v/v respectively. 2016 Syngenta trial at Vero Beach Research Center, Vero Beach, FL.



Untreated



Stinger, a component of Resicore



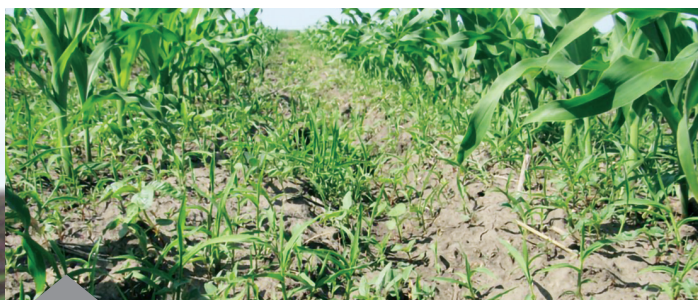
Bicyclopyrone, a component of Acuron



Stinger, a component of Resicore + AAtrex 4L



Bicyclopyrone + AAtrex 4L, two components of Acuron



Stinger 5.13 fl oz/A PRE



Bicyclopyrone 3.46 fl oz/A PRE

2017 Syngenta trial located in Traer, IA.

30 Days After Treatment



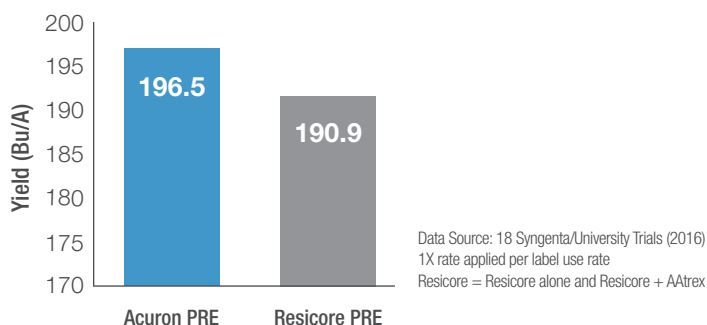


## Longer residual control

Compared to Resicore, trials show Acuron provides broader-spectrum residual control of more weed species later in the season – for clean fields you'll be proud of.

- ▶ Bicyclopyrone in Acuron delivers burndown and residual control of broadleaf weeds – Resicore lacks this ingredient for effective control of key weeds
- ▶ Higher dose rates and more effective modes of action in Acuron provide better resistance management compared to Resicore

### Long-lasting residual weed control translates to higher yields



## Proven crop safety and formulation

- ▶ Acuron has a proven crop safety record when used according to the label.
- ▶ Acuron is backed by more than 15 years of Syngenta formulation expertise and more than 900 trials, leading to proven formulation storage and handling
- ▶ Acuron has greater formulation stability and handling because Syngenta invented technology to prevent active ingredient loss in its mesotrione-containing premixes
  - ▶ Mesotrione can rapidly degrade when mixed with chloroacetamide active ingredients like acetochlor which is an active ingredient in Resicore

Acuron  
+ 5.6 Bu/A  
vs. Resicore

### 60 Days After Treatment



2017 Syngenta bare ground trial in Columbia, MO.



Learn more about Acuron at [Acuron-Herbicide.com](https://Acuron-Herbicide.com). Connect with us at [social.SyngentaUS.com](https://social.SyngentaUS.com) and join the conversation using [#ToughWeeds](https://twitter.com/ToughWeeds).

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