



Syngenta Corn Herbicide Portfolio

1 PASS

One-Pass Programs

One-Pass Pre

If you only want to spray once, Acuron® or Acuron Flexi herbicide applied at a full rate is your best choice for one-pass, pre-emergence weed management in corn.

Acuron: Four active ingredients and three modes of action. Offers multi-targeted control of the most difficult weeds in corn.

Acuron Flexi: Three active ingredients and two modes of action. Offers control of difficult weeds with added flexibility.

One-Pass Post

If time gets away from you, or Mother Nature throws a curve ball, Halex® GT herbicide tank mixed with atrazine or dicamba is the best choice for one-pass post-emergence weed control in glyphosate-tolerant corn*.

Nine out of ten farmers who try Halex GT use it again making it the number one glyphosate premix in corn**.

**For optimum protection of corn yield potential, apply before weeds reach four inches tall.*

***Syngenta market research*

2 PASS

Two-Pass Programs

If your current herbicide program has lost effectiveness, it's time to make a switch. Acuron or Acuron Flexi applied in a split-shot (pre followed by post) application or followed by a post-emergence application of Halex GT* is a superior two-pass program that provides:

- Season-long residual control of a broad spectrum of the toughest weeds for maximum protection of corn yield potential and return on investment
- Built-in weed resistance management
 - o Acuron contains four active ingredients including the latest technology, bicyclopyrone, and three modes of action while Acuron Flexi contains three active ingredients, including bicyclopyrone, and two modes of action
 - o Halex GT contains three active ingredients and three modes of action
- The strength of two powerful herbicides
 - o Acuron and Acuron Flexi both deliver a step change in weed management with greater consistency of control and broader spectrum control on tough weeds
 - o The number one post glyphosate premix in corn, Halex GT delivers burndown plus residual that works like a machine

**Halex GT should be tank mixed with atrazine or dicamba. When applying Acuron followed Halex GT, Acuron should be applied 1.25-1.5 qt/A, depending on soil type and organic matter.*

If your toughest weeds are small-seeded broadleaf weeds and grasses, Lexar® EZ or Lumax® EZ herbicide applied in a split-shot application or followed by a post-emergence application of Halex GT* will provide effective control of weeds, long-lasting residual and greater application flexibility than competitive corn herbicides**.

**Halex GT should be tank mixed with atrazine or dicamba.*

***Refer to the Lumax EZ/Lexar EZ labels for the correct application rates.*

For areas with low weed pressure, a pre-emergence application of Bicep II Magnum® or Dual II Magnum® herbicide followed by Halex GT*, Callisto® Xtra or Callisto GT** herbicide provides foundation control of yield-robbing early-season weeds.

**Halex GT should be tank mixed with atrazine or dicamba. **Callisto GT should be tank mixed with atrazine or dicamba.*



Pre-Emergence Herbicide Options

Acuron – Defeats tough weeds current products are missing

- **Full rate:** 2.5-3.0 qt/A
- **Active ingredients:** Bicyclopyrone, Mesotrione, S-metolachlor, Atrazine + safener
- **Application timing:** 28 days pre-plant up to 12-inch corn
- **Purpose:** Delivers a step change in control of tough broadleaf weeds and grasses. It is designed to be the most effective one pass, pre-emergence corn herbicide programs on the market.

Acuron Flexi – For growers who need to control difficult weeds with added flexibility

- **Full rate:** 2.0 - 2.25 qt/A depending on soil type and organic matter
- **Active ingredients:** Bicyclopyrone, S-metolachlor, Mesotrione + safener
- **Application timing:** 28 days pre-plant up to 30-inch corn
- **Purpose:** Delivers broad-spectrum control of many broadleaf weeds and grasses in corn without geographic restriction where registered or soil-type restrictions.

Lexar EZ – Premium performance and yield in corn

- **Full rate:** 3.0-3.5 qt/A
- **Active ingredients:** Mesotrione, S-metolachlor, Atrazine + safener
- **Application timing:** 14 days pre-plant up to 12-inch corn
- **Purpose:** Long lasting residual and greater application flexibility than competitive corn herbicides. A good option for pre-emergence weed control with application flexibility that allows it to be sprayed up to 12-inch tall corn.

Lumax EZ – Premium performance and yield in corn

- **Full rate:** 2.7 - 3.25 qt/A
- **Active ingredients:** Mesotrione, S-metolachlor, Atrazine + safener
- **Application timing:** 14 days pre-plant up to 12-inch corn
- **Purpose:** Proven long lasting residual and greater application flexibility than competitive corn herbicides. A good option for pre-emergence weed control with application flexibility that allows it to be sprayed up to 12-inch tall corn.

Bicep II Magnum – For foundation early-season weed control that buys time for post-emergence application

- **Full rate:** 1.3-2.58 qt/A depending on soil type and organic matter
- **Active ingredients:** S-metolachlor, Atrazine + safener
- **Application timing:** 45 days pre-plant up to 12-inch corn
- **Purpose:** Dual benefits of early-season weed control and extended residual control of grasses and broadleaf weeds.

Dual II Magnum – For foundation grass control in corn

- **Full rate:** 1.0-2.0 pt/A depending on soil type and organic matter
- **Active ingredients:** S-metolachlor + safener
- **Application timing:** Can be fall-applied in IA, MN, ND, SD, WI and portions of NE and IL up to 40-inch corn
- **Purpose:** Eliminates yield-robbing early-season weed competition through residual control of most annual grasses and small-seeded broadleaf weeds including glyphosate-resistant pigweeds and waterhemp.



Post-Emergence Herbicide Options

Halex GT – Glyphosate with Residual™ for glyphosate-tolerant corn

- **Full rate:** 3.6-4.0 pt/A
- **Active ingredients:** Mesotrione, S-metolachlor, Glyphosate
- **Application timing:** Post-emergence up to 30-inch corn
- **Tank mix partners:** Always add atrazine (e.g. AAtrex® 4L or AAtrex Nine-O®) to Halex GT. This combination can be applied up to 12-inch corn. If atrazine cannot be used, add a dicamba product (e.g. NorthStar® herbicide).
- **Purpose:** Controls emerged weeds and, unlike Roundup® herbicide, delivers residual control of grass and broadleaf weeds until crop canopy.

Callisto GT – Convenience and control for glyphosate-tolerant corn

- **Full rate:** 2.0 pt/A
- **Two active ingredients:** Mesotrione, Glyphosate
- **Application timing:** Post-emergence up to 30-inch corn
- **Tank mix partners:** Always add atrazine (e.g. AAtrex 4L or AAtrex Nine-O). This combination can be applied up to 12-inch corn. If atrazine cannot be used, add a dicamba product (e.g. NorthStar herbicide).
- **Purpose:** Convenient formulation designed to provide superior control of emerged grasses and broadleaf weeds in glyphosate-tolerant corn.

Callisto Xtra – Tank mix partner of choice for glyphosate







- **Full rate:** 20.0-24.0 fl oz/A
- **Two active ingredients:** Mesotrione, Atrazine
- **Application timing:** Post-emergence up to 12-inch corn
- **Purpose:** Adds two modes of action to Touchdown Total® herbicide, provides faster burndown than a glyphosate-only treatment and delivers burndown plus long-lasting residual control of tough broadleaf weeds including lambsquarters, waterhemp, pigweed and ragweed.





A Solution for Every Situation

Your farm has a unique set of specific needs, so one-size-fits-all weed control programs just don't cut it. You need weed control options that can be tailored to the challenges you face, whether it is soil type, weed spectrum, time constraints or Mother Nature inevitably throwing you a curve ball. The broad and best performing selection of corn herbicides offered by Syngenta creates a deep toolbox of customizable solutions for every situation that competition cannot match.

	TIER 1		TIER 2			TIER 3	
	4-way (BIR + MST + s-MOC +ATZ)	3-way (BIR + MST + s-MOC)	3-way (MST+ATZ + s-MOC)	2-way (ISOX + THIEN)	2-way (DMTP + SAF)	Atrazine premixes (ACT/SMOC)	3-way (ACT + FLU + CLP)
	Acuron	Acuron Flexi	Lumax EZ Lexar EZ	Corvus® herbicide	Verdict® herbicide	Bicep II Magnum / Harness® Xtra herbicide / others	SureStart® herbicide/ TripleFLEX® herbicide
Length of Control 	✓	✓	✓	●	●	●	●
Consistency of Control 	✓✓	✓✓	✓	●	●	●	✗
Spectrum of Control 	✓✓	✓	✓	●	●	●	✗
Application Flexibility 	✓	✓	✓	✗	✗	✓	✓
Crop Safety 	✓	✓	✓	●	●	✓	✓
Resistance Management 	✓	✓	✓	✗	✗	●	✗

Assessments are based on field observations and other testing performed by Syngenta.


Excellent


Good


Poor

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