



Benefits Over Glyphosate

Specifically designed for glyphosate-tolerant corn, **Halex® GT corn herbicide is Glyphosate with Residual™** and provides a **more convenient alternative** to any other post-emergence, straight glyphosate corn herbicide program. Halex GT **saves growers time and money** by providing **more effective weed control** in just **one pass**. By **combining three modes of action**, Halex GT makes weed resistance one less thing growers have to worry about.

Concerns associated with Glyphosate

- Continually applying glyphosate alone contributes to the increase and spread of glyphosate weed resistance.
- Making two or three applications of glyphosate, which are typically necessary for acceptable season-long weed control, adds additional time and expenses.
- Delaying application timing further reduces yield by letting weeds compete with corn.
- Multiple, perfectly timed applications of glyphosate are necessary to prevent yield loss from weeds that germinate several times during the season.

Product	Halex GT	Glyphosate
Convenience		Yellow
Control of Emerged Weeds	Green	Green
Residual Control	Red	Red
Control of BOTH Grasses and Broadleaf Weeds	Yellow	Yellow
One-Pass Yield Protection	Red	Red
Crop Safety	Green	Red
Excellent Tool for Weed Resistance Management	Red	Red

■ Achieved ■ Somewhat Achieved ■ Not Achieved

When growers wait until weeds have emerged to apply glyphosate, corn plants become stressed because of weed competition for light, water and nutrients. As seen on the right, yellowing and uneven stands are just some of the downfalls associated with using glyphosate alone.



Glyphosate @ 30 oz./A vs. Halex GT @ 3.6 pts./A Iroquois, SD

Glyphosate
7 days after treatment

Halex GT
28 days after treatment



Importance of Residual Control

University studies show the importance of application timing when using glyphosate alone, and the yield loss that can occur if multiple, perfectly timed applications are not made to control multiple weed flushes. The chart below shows **corn yields cannot be fully protected by a single application of glyphosate regardless of timing.**

Halex GT provides residual activity to control multiple weed flushes in one pass, which eliminates the need for additional herbicide applications to keep fields weed-free and protect yield potential.

Weed height at time of glyphosate application	Corn yield loss vs. weed-free	bu./A lost (Goal – 180 bu./A)
2"	7%	12.6
4"	6%	10.8
6"	7%	12.6
9"	9%	16.2
12"	21%	37.8

Data, summarized by S. Gower & M. Loux from The Ohio State University, came from 11 states, 35 university sites in IA, IL, IN, KY, MI, MO, OH, PA and WI, 1998-1999.

Making a glyphosate-only application too early allows new weed flushes to compete with the corn crop and produce seeds that add to the seed bank for next season. Late applications result in **early-season weed competition, which can significantly reduce yields and profit.**

Bottom Line

- Controlling weeds with glyphosate alone cannot be done without increased time and expenses for multiple glyphosate applications.
- Season-long weed flushes prevent corn hybrids from reaching their fullest yield potential by competing for light, nutrients and water.
- Halex GT provides residual control of the toughest broadleaf weeds and grasses in one pass, giving growers more time and resources to use for other farming needs.

Halex GT, which is powered by the Callisto® chemistry, owes its origin to the discovery of a natural herbicide secreted by the *Callistemon* plant. This is Callisto Plant Technology® and it brings unprecedented broadleaf weed control and exceptional crop safety to Halex GT that the competition cannot match.

 **Callisto Plant Technology®**



For more information, visit halexgt-herbicide.com, FarmAssist.com or contact the Syngenta Customer Center at 1-866-SYNGENTA (796-4368). Halex GT is a Resistance Fighter™ brand. For more information about managing against weed resistance, visit resistancefighter.com.

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