

Surtain™

Herbicide

Surtain™ Herbicide: The future of residual weed control in corn

Surtain herbicide is the first solid encapsulated premix solution on the market. This innovative technology offers farmers the use of a residual PPO in corn pre- or post-emergence with control or suppression of 79 grass and broadleaf weeds.

Surtain™ Herbicide Advantages



Residual Endurance

- **Excellent control of waterhemp and giant ragweed:** Control or suppression of 79 grass and broadleaf weeds¹
- **Attacks weeds at their weakest stage:** PRE application before emergence = 1 growing point vs. many at POST
- **Preserves yield potential with proactive weed control:** 6-inch weeds can cause 7% yield loss in corn²



Unique Chemistry Combo

- **First solid-encapsulated herbicide technology:** Patented and proprietary process unique to BASF's residual PPO herbicide
- **Resistance management tool:** Two Sites of Action with excellent residual control on waterhemp without HPPD inhibitors
- **Enhanced liquid fertilizer compatibility:** with UAN and ATS



Flexible

- **New formulation technology:** Residual PPO chemistry can now be applied early POST in corn, up to 3 weeks after planting
- **Freedom to use full rates:** PRE or early POST and follow with any labeled product
- **Tank mix partners:** Customize to fit your fields needs without paying extra for ineffective chemistry

Untreated vs. Surtain™ Herbicide: 40 DAT



Photos taken by Katie Strathman. Surtain herbicide applied at 13.7 fl oz/A. Hillsboro, KS. 40 DAT.

1. BASF sponsored research, 2016–2022, 161 trials, primarily in the Midwest.

2. Gower et al., 2003. Effect of post-emergence glyphosate application timing on weed control and grain yield in glyphosate-resistant corn: results of a two-year multistate study, *Weed Technology*, 17: 821-828.

 **BASF**

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Technical Information Bulletin

Surtain™ Herbicide Features and Best Use Recommendations

Application Tips

■ Recommended Use Rate:

- PRE-PLANT/PRE: 11 fl oz/A (coarse or low organic matter soils), 14 fl oz/A (medium soils), 17 fl oz/A (fine soils)
- POST: 11 fl oz/A max. (coarse or low organic matter soils), 14 fl oz/A max. (medium/fine soils)
- 27 fl oz/A max. cumulative amount annually for residual weed control

■ **Timing:** Pre-plant to V3

■ **REI:** 12 hours

Active Ingredients

- Group 14 saflufenacil
- Group 15 pyroxasulfone

Formulations

- ZC formulation

Product Packaging

- 2 x 2.5 gal

Storage

- Above 32 F

Target Weeds

- 79 Annual broadleaf weeds and annual grass weeds
 - Waterhemp
 - Giant Ragweed
 - Palmer Amaranth

Tank Mix Compatibility

- Can be tank mixed with herbicides, liquid fertilizers, adjuvants and additives*

*Always conduct jar tests prior to commercial application of Surtain in combination with other products.

Residual Weed Control: 44 DAT

Surtain™ Herbicide 17 fl oz/A



Post Flexibility

Surtain™ 14 fl oz/A + Armezon™ 0.75 fl oz/A

Untreated



Acuron® Herbicide 48 fl oz/A



TriVolt™ Herbicide 12 fl oz/A



To learn more about crop protection products from BASF, visit agproducts.basf.us

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Left photos taken by Mark Storr. Field trials at Iowa State University, Ames, IA. Pre-application 5/4/23. Pictures taken June 16, 2023. Primary weeds waterhemp, lambsquarters, velvetleaf, morningglory and foxtails.

Right photo taken by Andrea Smith. *Roundup PowerMAX® III herbicide (30 oz/A), Atrazine® 4L herbicide (32 oz/A), AMS Liquid (2.5 gal/100gal), COC (1%v.v.), were added to the treatment. Seymour, IL. Application Date: 5/18/23, Photo: 6/9/23, 22 DAT! Primary Weeds: Waterhemp, Purslane, Grasses.

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