## **Surtain**<sup>™</sup> 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 preor post-emergence with control or suppression of 79 grass and broadleaf weeds.

## Surtain<sup>™</sup> Herbicide Advantages



### **Residual Endurance**

- Excellent control of waterhemp and giant ragweed: Control or suppression of 79 grass and broadleaf weeds<sup>1</sup>
- 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 corn<sup>2</sup>



## 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



- 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<sup>™</sup> 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.



#### **Technical Information Bulletin**

## Surtain<sup>™</sup> 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

## **Residual Weed Control: 44 DAT**





- 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.

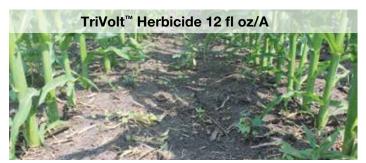
Untreated

## Post Flexibility

Surtain<sup>™</sup> 14 fl oz/A + Armezon<sup>™</sup> 0.75 fl oz/A







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





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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