

Combine Fast and Effective Control to Your Burndown Program in Dicamba-Tolerant Soybeans

Two Powerful A.I.s for Burndown Use:

- Two modes of action in the tank for resistance management and superior performance
- The fast speed of control of **Kixor® herbicide** quickly burns down tough to control weeds in the DT system
- Engenia® herbicide** provides effective control of tough weeds such as Palmer, waterhemp, and marestail

2017 Murray State University Trial, Murray KY

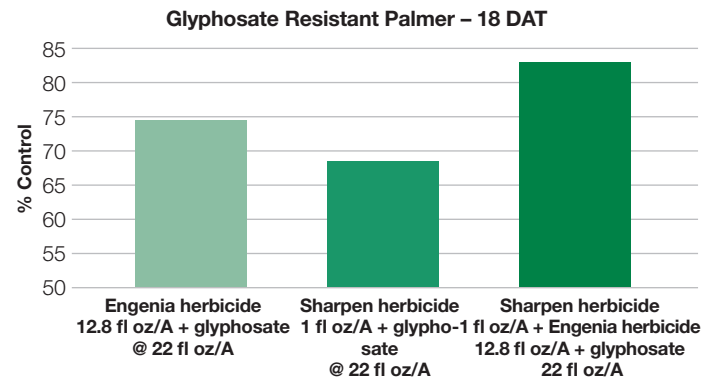
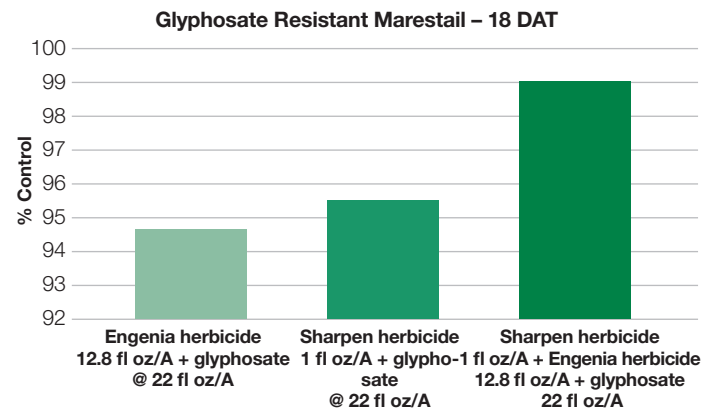


10 DAT
Untreated Check

10 DAT
Sharpen® herbicide 1 fl oz/A + Engenia herbicide 12.8 fl oz/A + glyphosate 22 fl oz/A + DRA

24 DAT
Sharpen herbicide 1 fl oz/A + Engenia herbicide 12.8 fl oz/A + glyphosate 22 fl oz/A + DRA

2017 Murray State University Trial, Murray KY



Engenia herbicide is the most flexible and advanced dicamba for dicamba-tolerant crops



BASF

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Technical Information Bulletin

How Does Starting with a Clean Field Improve Your Yield?

- Reduce early-season weed competition by controlling established winter annuals such as marehail and early emerging summer annual species like ragweed, Palmer and kochia
- Improve planting conditions with weed-free seedbeds
- Eliminate winter annual weeds that may act as hosts for destructive insects
- Increase available soil moisture and nutrients

Sharpen® Herbicide Best Use Recommendations

- **Use Rates:** 1 fl oz/A
- **Adjuvants¹:** MSO^{2,3} (1 gal/100 gallons or minimum 1 pint/A)
- **Application Timing:** PREplant, PREemerge only
 - 30 day preplant interval on coarse soils with <3% OM
- **Rainfast:** 1 hour

Application Requirements

- Weeds must be actively growing; multiple nights below freezing will reduce burndown activity
- Glyphosate² may be added for grass and increased broadleaf control

¹ Note that AMS and other ammonium-containing adjuvants may NOT be used when tank-mixed with Engenia herbicide. In other uses of Sharpen herbicide when it is NOT tank-mixed with Engenia herbicide, the use of AMS or UAN and a medium to coarse droplet size is required.

² A DRA is required when mixing MSO with Engenia herbicide

³ Must be on the approved use list, visit www.engeniatankmix.com

Reducing risk of off-target movement and sensitive plant injury is a result of effective application stewardship. The advanced dicamba formulation of Engenia herbicide, along with proper application, can provide maximum broadleaf weed control and effectively minimize off-target potential.


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Engenia® Herbicide Label Summary

Only for Use on Dicamba-Tolerant Soybeans: Additional State Restrictions May Apply

- **Use Rate:** 12.8 fl oz/A
- **Application Timing:** Preplant, Preemerge, POST (up to 45 days after planting or R1, whichever comes first)
- **Application Volume:** ≥ 15 GPA
- **Windspeed:** 3 to 10 MPH
- **Boom Height:** 24 inches or less above target
- **Sensitive Crops:** DO NOT spray if wind is blowing toward neighboring sensitive crops (like non-dicamba-tolerant soybeans) or residential areas
- **Sensitive Areas:** Leave 110' downwind buffer to bodies of water and non-residential, uncultivated areas that may harbor sensitive plant species
 - Consult www.epa.gov/espp or call 1-844-447-3813 and follow any county specific dicamba use restrictions for corresponding endangered species
- **Ground Speed:** ≤ 15 mph, recommend 5 mph on field edges
- **Use Only Approved Nozzles:** For a list of approved nozzles visit www.engeniatankmix.com
- **Tank Mixtures:** Visit www.engeniatankmix.com for a list of approved tank-mix partners and adjuvants
 - No acidifying water conditioners; DO NOT use ammonium additives (e.g., AMS, UAN)
- **Avoid Inversions:** DO NOT apply when temperature inversions exist at the field level
- **Daytime Spraying:** Only apply from 1 hour after sunrise until 2 hours before sunset
- **Training:** Complete annual dicamba or auxin specific training
- **Record Keeping:** Including application, planting date, buffer zone determination, and tank cleanout
- **Sprayer Cleanout:** Triple rinse, use a detergent-based commercial cleaner before and after application
- **Rain Free Interval:** DO NOT apply if expected rainfall within 24 hours after application will result in runoff
 - **Rainfast:** 4 hours

Engenia®
Herbicide

Sharpen®
Powered by **Kixor®** Herbicide

Engenia Herbicide is a U.S. EPA Restricted Use Pesticide. Additional state restrictions may apply.

Always read and follow label directions. Engenia, Kixor and Sharpen are registered trademarks of BASF. ©2018 BASF. All Rights Reserved. APN# 1711002 Engenia-Sharpener-Spring-Burndown-2018