



Best Weed Management Practices for Dicamba Tolerant Soybeans

Why Engenia[®] Herbicide?

Engenia Herbicide is a patented formulation developed specifically for use on your dicamba-tolerant soybeans.

- Provides postemergence broadleaf weed control
 - Effective on over 200 broadleaf weeds
 - Including glyphosate, triazine, ALS, and PPO-resistant broadleaf weeds
 - Up to two weeks residual
- Most advanced formulation
 - BAPMA salt reduces volatility potential
- Most flexible
 - Lowest use rate = 12.8 fl oz/A
 - 5 lbs ae/gal formulation
 - Less product to handle
 - Convenient for use with direct injection

Why Zidua[®] Herbicide?

- Longer lasting residual control—up to two weeks longer than other herbicides
- Superior Palmer amaranth and waterhemp control
- Low use rates—cover more acres with less product to handle
- PRE and POST use flexibility

Effective Weed Control in Dicamba Tolerant Soybeans

- Layer residuals both PRE and POST
- Use multiple effective sites of action
- Target weeds less than 4 inches tall



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

BASF

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Technical Information Bulletin

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.

Zidua® Herbicide Label Summary

- **Application Timing:** Preplant, Preemergence, and POST (emergence through third trifoliolate)
- **Preplant/Preemergence Use Rates*:** 1.5-3.5 oz/A (dry), 2.5-5.75 fl oz/A (SC)
- **Early POST Use Rate*:** 1-3.5 oz/A (dry), 1.75-5.75 fl oz/A (SC)
 - Use rate of 1-2 oz/A (dry), 1.75-3.25 fl oz/A (SC) when a residual PRE herbicide is used. Use higher rates with wider row spacing and high weed pressure.
- Do not apply more than 2.1 oz/A (dry), 3.5 fl oz/A (SC) on coarse soils and 3.5 oz/A (dry), 5.75 fl oz/A (SC) on medium and fine soils per season

*Use rate is dependent on soil texture, application timing, and formulation (WG = dry, SC = liquid). Please consult label for appropriate application rate in your field.

Training and Education

Applicator training requirements vary depending on the state. Visit www.Engeniastewardship.com for BASF resources on proper application according to label requirements. Proper nozzle selection, calibration, boom height, weather conditions, and the use of approved tank-mixtures are all addressed.

To learn more, go to: www.Engeniastewardship.com


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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, Preemergence, 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 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


Herbicide


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

Always read and follow label directions. Engenia and Zidua are registered trademarks of BASF. ©2018 BASF. All Rights Reserved. APN# 1801002 Engenia-Zidua-DT Soybeans-Dec2018