Best Weed Management Practices for Dicamba Tolerant Soybeans

Why Zidua® PRO Herbicide?

Premium Residual Option

- Flexible solution for any soybean traits on conventional, minimum and no-till acres
- Unique combination of 3 sites of action gives consistent, broad-spectrum weed control
- Superior waterhemp and Palmer amaranth performance
- Fast and complete burndown with extended residual weed control
- Convenient premix formulation with planting flexibility

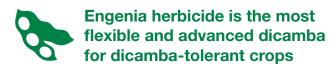
Weed Control in Dicamba Tolerant Soybeans

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

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
- Lowest use rate = 12.8 fl oz/A
 - 5 lbs ae/gal formulation
 - Less product to handle
 - Convenient for use with direct injection





Performance Under High Weed Pressure



*PRE: Glyphosate (32 fl oz/A) + 2,4-D LV4 (16 fl oz/A) + adjuvants. POST: Flexstar GT 3.5 (4.5 pts/A) + adjuvant. ** Zidua PRO Herbicide and Engenia Herbicide in a layered residual program. Photos taken 3 months after plantings, Purdue University, Medaryville, Indiana, 2016 BASF sponsored research trial. Primary weeds: waterhemp, Palmer amaranth, foxtail, and velvetleaf.

Zidua PRO Herbicide Best Use Recommendations

Application Rate:

Conventional & minimum tillage: 4.5-6.0 fl ozs/acre* No till: 6.0 fl ozs/acre. Apply with MSO at 1% v/v for burndown of emerged weeds (add AMS/UAN).

* Apply 6 fl ozs/A on fields with high weed pressure, resistant weed populations, or emerged weeds at the time of application. If less than 6 fl ozs/A is applied under these conditions, weed control may be diminished.

Application Timing:

Early preplant through preemergence for burndown and/or residual weed control prior to crop emergence (30 day preplant interval on coarse soil with less than 2% organic matter).

Engenia Herbicide Stewardship

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 requirements, can provide maximum broadleaf weed control and effectively minimize off-target potential.



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 nondicamba-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 detergentbased 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



