Engenia® Herbicide is a patented formulation developed specifically for use on your dicamba-tolerant soybean*

- Palmer amaranth
- waterhemp
- ivy leaf
- morningglory
- marestail

* Dicamba-tolerant soybean sold under the trait name Roundup Ready 2 Xtend® Soybeans.
Why Engenia® Herbicide?

Benefits of Engenia Herbicide
- 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
  - Excellent crop tolerance
- Most advanced formulation
  - Unique BAPMA salt reduces volatility potential
- Lowest use rate = 12.8 fl oz/A
  - 5 lbs ae/gal formulation
  - Convenient for use with direct injection

Handle Less Product Per Acre
- Engenia Herbicide 8 Jugs = 200 Acres
- XtendiMax® Herbicide with VaporGrip® Technology 14 Jugs = 200 Acres

A 50+ Year History of Dicamba Innovation from BASF

1958
Discovery of dicamba

1964
Banvel® Herbicide (DMA dicamba)

1992
Clarity® Herbicide (DGA dicamba)

2016
Engenia Herbicide (BAPMA dicamba)

1986
Marksman® Herbicide
K-dicamba + atrazine

1998
Distinct® Herbicide
Na-dicamba + diflufenzopyr

2007
Status® Herbicide
Na-dicamba + diflufenzopyr + safener
Use a System Approach for Effective Weed Control

- Target weeds less than 4 inches tall
- Implement a residual herbicide program
- Use multiple, effective sites of action
- Maintain a vigorous crop

Why a System Approach in Soybeans?

Better Weed Control To Prevent and Manage Weed Resistance

Waterhemp control at 8-10 WAP. n = 5 waterhemp. Zidua® herbicide rates were labeled rate adjusted according to soil texture. 1). Zidua herbicide = labeled rate. Engenia herbicide applied at 12.8 fl oz/A. Outlook® herbicide applied at 12-16 fl oz/A. Glyphosate = 22 fl oz/A. All POST treatments included NIS at 0.25% v/v. BASF sponsored trials conducted in 2014 in IL, IA, NC, NE, ND. Refer to www.engeniatankmix.com for a list of approved tank-mix combinations.
Engenia® Herbicide Application 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, can provide maximum broadleaf weed control and effectively minimize off-target potential.

Label Summary – Only for Use on Dicamba-Tolerant Soybeans:

- **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](http://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](http://www.engeniatankmix.com)
- **Tank Mixtures:** Visit [www.engeniatankmix.com](http://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

Training and Education

Applicator training requirements vary depending on the state. Visit [www.engeniastewardship.com](http://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](http://www.engeniastewardship.com)

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

**Turbo TeeJet® Induction TTI11004**

To learn more about crop protection products from BASF, visit [www.agproducts.basf.us](http://www.agproducts.basf.us)

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Always read and follow label directions. Banvel, Clarity, Distinct, Engenia, Marksman, Outlook, Optill, Sharpen, Status and Zidua are registered trademarks of BASF. XtendiMax, VaporGrip, Bollgard II and XtendFlex are registered trademarks of Monsanto Technology LLC. TeeJet is a registered trademark of TeeJet Technologies a subsidiary of Spraying Systems Company. ©2018 BASF. All Rights Reserved. APN# 1801006 Engenia-Post Registration-Soybean-Dec18