Engenia™ Herbicide

Outlook® Herbicide

GrowSmart™ with BASF

Best Weed Management Practices for Post Applications to Cotton

Why Engenia™ Herbicide?

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

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

- New BAPMA salt reduces volatility risk
- Excellent crop tolerance

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 Outlook® Herbicide?

Broad-Spectrum Residual Weed Control

- Annual grasses and small-seed broadleaf weeds
  - Including glyphosate-resistant waterhemp and Palmer amaranth
- Effective resistant weed management

Flexible Use for Operational Efficiency

- Postemergence
  - First true leaf to mid-bloom stage
- Low use rate for easy handling

Consistent Performance

- Easily activates with minimal rainfall
- Readily washes off crop residue to where weeds germinate

Effective Weed Control in Dicamba Tolerant Cotton

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

Technical Information Bulletin

BASF

We create chemistry

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

Engenia Herbicide Best Use Recommendations

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

- **Use Rate:** 12.8 fl oz/A
- **Application Timing:** Preplant, Preemerge, and POST up until 7 days before harvest
- **Minimum Application Volume:** 10 GPA
- **Windspeed:** DO NOT spray if wind is blowing toward neighboring specialty crops. **<3 mph:** Apply when a temperature inversion is not present, **3 to 10 mph:** Optimum application conditions provided all other application requirements are met, **>10 to 15 mph:** DO NOT apply when wind is blowing toward neighboring sensitive non-specialty crops, **>15 mph:** DO NOT apply Engenia herbicide
- **Ground Speed:** Not to exceed 15 mph
- **Border/Setback to Sensitive Areas:**
  - Maintain a 110 foot buffer when applying this product from the downwind outer edges of the field, less the distance of any of the adjacent areas specified on the label
  - Always check your surroundings for sensitive plants/crops before making an Engenia herbicide application
- **Use only approved nozzles:** TTI11004 and 11005. Visit **www.engeniatankmix.com** for a list of approved nozzles.
- **Boom Height:** 24 inches or less above target
- **Only use tank mixtures and adjuvants approved by EPA**; No acidifying water conditioners; DO NOT use ammonium additives (e.g., AMS, UAN)
  - Visit **www.engeniatankmix.com** for a list of approved tank mix partners and adjuvants

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

Outlook® Herbicide Best Use Recommendations

Use Rate: 8 to 21 fl oz/A

- Use higher rates for high weed populations and/or longer residual activity
- A post herbicide tank mix partner is required to control emerged weeds
- Sequential applications may be made 2 weeks or more apart
- DO NOT exceed 21 fl oz/A per season
- An approved drift reduction agent (DRA) MUST be used if tank-mixing with Engenia herbicide. Visit **www.engeniatankmix.com** for a list of approved DRA products.

Postemergence Application Timing

- First true leaf cotton to 2 weeks after first bloom stage
- DO NOT apply preplant incorporated, preplant surface, or preemergence in cotton
- DO NOT apply to cotton from emergence through cotyledon stage or injury may occur

Continuing Education

BASF offers training programs to support applicators. The On Target Application Academy was established to provide field-based applicator training with a practical and rigorous focus on proper application. Hands-on experience, including proper nozzle selection, calibration, boom placement, environmental considerations and the use of effective drift reduction additives, are all addressed.

To learn more about the **On Target Application Academy**, or to find a training event in your area, please visit **otaa.basf.us**

BASF now offers the OTAA educational experience online in the form of a digital training module. Go to: **GrowSmartUniversity.com**

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Always read and follow label directions.

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