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
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](http://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](http://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](http://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](http://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](http://otaa.basf.us)

BASF now offers the OTAA educational experience online in the form of a digital training module.

Go to: [GrowSmartUniversity.com](http://GrowSmartUniversity.com)