



Engenia™ Herbicide Stewardship Plan November 21, 2016

Objective: To ensure product users are educated on how to responsibly and correctly apply Engenia herbicide in order to minimize incidences of off-target spray drift and weed resistance.

- **Product stewardship** initiatives will ensure that Engenia herbicide and the dicamba-tolerant system remains an effective and sustainable solution for growers to manage weeds. Product stewardship topics include: 1) dicamba site-of-action and efficacy; 2) dicamba's history of development; 3) using a comprehensive weed control approach that includes multiple herbicide sites-of-action, residual herbicides, and sound agronomic practices.
- **Application stewardship** initiatives will educate key stakeholders on the proper application methods to minimize off-target drift and sprayer contamination issues. Application stewardship topics include: 1) nozzles and their influence on droplet size; 2) proper sprayer settings including boom height, ground speed, and carrier volume; 3) wind speed and direction and how they relate to surrounding sensitive areas; 4) sprayer cleanout procedures to avoid contamination.
- Henceforth, the term "stewardship" shall refer to all the preceding topics pertaining to both product stewardship and application stewardship.

Target Audiences for Stewardship Training and Resources:

- Those who apply pesticides (growers, custom applicators).
- Those who sell to and/or advise growers and custom applicators (distributors, retailers, consultants).
- Those who train pesticide sellers, buyers, and/or applicators (university extension).

Pre-Registration Stewardship Training and Resources:

- BASF has been committed to application stewardship as evidenced by our involvement with the **On-Target Application Academy (OTAA)**. BASF began the OTAA in 2012 to train growers and applicators on proper application techniques and to date have trained over 13,400 people. Further information about OTAA can be found at www.otaa.basf.us.
- Additionally, BASF technical experts have conducted numerous indoor and outdoor plot-based training events for growers, retailers, distribution and consultants to educate on effective weed management and proper application techniques.

Post-Registration Stewardship Training: Soon after registration there will be a concerted effort to train as many stakeholders as possible through face-to-face meetings and online training. Topics to be covered during post-registration training events will consist of the aforementioned topics associated with product and application stewardship.

Face-to-face meetings will consist of the following:

- BASF sponsored OTAA events in geographically centered locations. Attendees would include growers, custom applicators, consultants, and retail sales staff. An up-to-date list of scheduled OTAA events can be found at www.otaa.basf.us.
- BASF representatives will work with retail customers to arrange meetings with retail sales staff, applicators, growers, and consultants. These meetings will be hosted by the retail outlet.
- BASF representatives will meet directly with growers who are known BASF customers to train them on stewardship.
- BASF representatives will meet directly with consultants to train them on stewardship.
- Attendee number, location, date, and topics covered will be recorded for every meeting.



Post-Registration Stewardship Training (continued):

Online training will consist of live webinars and online content available for convenient training:

- Multiple live webinars will be offered. The webinars will be open to anyone who wishes to attend.
- OTAA content will be online and accessible at any time by anyone.
- An Engenia herbicide module will be online and fully accessible. It will cover the specifics of Engenia herbicide (site-of-action, formulation), weed resistance management, and application requirements.
- The number of online and webinar attendees will be recorded.

Post Registration Stewardship Resources: Materials will be mailed or emailed to retailers, distributors, consultants, university extension, and known BASF grower customers. Printed materials will also be distributed during the above mentioned face-to-face meetings. Printed materials cannot be finalized until after registration. Materials will consist of the following:

- **Technical Informational Bulletins (TIBs):** Brochures for dicamba-tolerant soybeans and cotton that will cover principles for effective weed management and labeled application requirements.
- **Application Requirement Checklist:** Easy-to-follow checklist of label requirements for a correct application.
- **3rd Party Training:** A set of slides will be provided to university extension for use during their training meetings. BASF technical experts will also be available to participate in and help with any university extension meetings if so desired by the agent.

Additional Online Resources: The following online resources are listed on the label and will be available after registration:

- Weeds that are known to be resistant to dicamba can be found at www.Resistance-Information.BASF.US.
- A list of EPA approved products for use with Engenia herbicide can be found at www.engeniatankmix.com.
- Any incidence of non-performance of Engenia herbicide against a particular weed species can be reported at www.Non-Performance.BASF.US.
 - Non-performance complaints will be reported to EPA as appropriate. BASF technical experts will be available to share state-specific information of this report with the state departments of agriculture if so requested.

BASF will **strongly encourage** the proper use of nozzles as part of its commitment to product stewardship.

- BASF has successfully outfitted grower customers and custom applicators with appropriate nozzles for **Status[®]** herbicide (dicamba + diflufenzopyr) for corn to minimize off-target drift.

The aforementioned stewardship plan is current as of the date shown on page 1 and represents a good-faith effort to cohesively outline all of the stewardship activities planned by BASF for the 2017 growing season. BASF is committed to the long-term sustainability and stewardship of the dicamba tolerant cropping system; therefore, these efforts will continue as long as necessary beyond the 2017 growing season. Any part of this plan may be subject to change at any time. BASF is committed to application and product stewardship, and BASF will support Engenia herbicide with ongoing training and educational opportunities.

Always read and follow label directions. Engenia is a trademark and Status is a registered trademark of BASF Corporation.
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