



## Comparison of trait herbicide systems



### Advantages of the Enlist™ weed control system

- The Enlist™ weed control system provides effective weed control, on-target application and ease of use for farmers managing the toughest weeds.
- Innovative traits in Enlist E3® soybeans and Enlist® cotton provide robust tolerance to 2,4-D choline, glyphosate and glufosinate for flexible weed control options.
- Enlist herbicides are a responsible, effective and flexible weed management solution for every Enlist E3 soybean and Enlist cotton acre.
- Enlist One® and Enlist Duo® herbicides both offer neighbor-friendly, built-in near-zero volatility and reduced potential for physical drift.

### Federal Herbicide Label<sup>1</sup> Facts

Applicator flexibility	Enlist™ herbicides	In-crop dicamba herbicides
Federal Restricted Use Pesticide?	No	Yes
Can only be applied by persons with a Certified Applicator license?	No, may be applied by persons under Certified Applicator's supervision	Yes
Time of day application limitation?	No	Yes, applications only from 1 hour after sunrise to 2 hours before sunset
AIXR and AITTJ nozzles qualified for use?	Yes, qualified options that provide better coverage than ultra coarse droplets	No, not qualified <sup>2</sup> . Many applicators use TTI nozzles with ultra coarse droplets for drift control
Can be used for burndown with other crops?	Yes, labeled for burndown prior to planting crops without the Enlist trait	No

Application window	Enlist™ herbicides	In-crop dicamba herbicides
Application window limit in soybeans with respective trait?	Through R2 stage No calendar date cutoffs	No later than R1 growth stage, or June 30 national cutoff date
Application window limit in cotton with respective trait?	Through midbloom stage No calendar date cutoffs	July 30 national cutoff date

<sup>1</sup> Additional state restrictions and requirements may apply. Applicator must comply with any additional state requirements and restrictions.

<sup>2</sup> As of June 3, 2020.

Tank mix pH and required additives	Enlist™ herbicides	In-crop dicamba herbicides
Required pH buffering agent in tank mix?	No, inherent near-zero volatility with 2,4-D choline in Enlist herbicides	Yes, a product listed as an approved pH buffering agent / volatility reduction adjuvant on the tank mix website must be included in every application. Previous registrations included advisory language that tank mixes with a pH 5 or below have the potential to volatilize

Tank mix flexibility	Enlist™ herbicides	In-crop dicamba herbicides
Ability to tank-mix with qualified glufosinate?	Yes, Liberty® herbicide qualified as a tank-mix partner with Enlist One	No qualified glufosinate tank-mix products
Ability to tank-mix with qualified AMS?	Yes, qualified AMS tank mix partners listed on EnlistTankMix.com	AMS prohibited from tank-mixing
Ability to tank-mix with Durango DMA?	Yes, Durango DMA® herbicide (amine form of glyphosate) qualified as a tank-mix partner with Enlist One	No, only tank mix K-salt glyphosate with dicamba
Glyphosate blend product option available with system?	Yes, Enlist Duo® is a proprietary blend of 2,4-D choline plus glyphosate, with Colex-D® technology	No glyphosate pre-mix products available within system

All qualified tank mix partners for Enlist herbicides can be found at [EnlistTankMix.com](http://EnlistTankMix.com).

Buffers and downwind crops/plants	Enlist™ herbicides	In-crop dicamba herbicides
Herbicide applications if soybeans without the respective trait are downwind?	Soybeans without the Enlist trait are NOT a “susceptible crop” – can make an application of Enlist herbicides when soybeans are adjacent downwind.	Non-dicamba-tolerant soybeans ARE a “sensitive crop” – cannot make an application when soybeans are adjacent downwind
Required to check Endangered Species Protection Bulletins for potential additional buffer requirements?	No	Yes, some areas subject to additional 57’ omnidirectional buffer and larger downwind buffers
Downwind required buffer distance (to protect sensitive areas that are potential endangered species habitat)?	30’	240’ 310’ in areas specified by Endangered Species Protection Bulletins

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™Enlist herbicides refers to Enlist One® and Enlist Duo® herbicide with Colex-D® technology In-crop dicamba herbicides refers to Xtendimax® with VaporGrip Technology and Engenia®. Engenia® and XtendiMax® with VaporGrip Technology herbicides are restricted use pesticides. ALWAYS READ AND FOLLOW DIRECTIONS FOR USE ON PESTICIDE LABELING. IT IS A VIOLATION OF FEDERAL AND STATE LAW to use any pesticide product other than in accordance with its labeling Engenia® and XtendiMax® herbicides are not registered for sale or use in all states. Additional state restrictions and requirements may apply. Applicator must comply with any additional state requirements and restrictions. Contact your local representative for details and availability. Always read and follow all label directions and precautions for use when using any pesticide alone or in tank-mix combinations. Xtendimax® and VaporGrip® Technology are trademarks of Monsanto Technology LLC. VaporGrip® Technology is used under license from Monsanto Company. Engenia® is a trademark of BASF. The information provided on this website is for reference only. Always refer to the product labels for complete details and directions for use.®™ Trademarks of Dow AgroSciences, DuPont or Pioneer and their affiliated companies or respective owners. Enlist E3 soybeans were Jointly developed by Dow AgroSciences and MS Technologies. Enlist Duo® and Enlist One™ herbicides are not registered for sale or use in all states or counties. Contact your state pesticide regulatory agency to determine if a product is for sale or use in your area. Enlist Duo and Enlist One herbicides are the only 2,4-D products authorized for use in Enlist crops. Consult Enlist herbicide labels for weed species controlled. Always read and follow label directions.