



2021 Iowa Enlist™ best practices

Key points for Enlist™ best practices:

1. We recommend a pre-emerge residual & post-emerge residual herbicide be used in the Enlist herbicide system (even with clean till).
2. All Enlist herbicides tank mix partners must be approved, found on the tank mix website.
 - EnlistTankMix.com.
 - Products listed on EnlistTankMix.com have not been tested for crop response. Listing is not an endorsement of use.
3. All Enlist spray nozzles must be approved. Spray nozzle information may be found on the label, product use guide and Enlist.com.
 - **Enlist One® herbicide:** enlist.com/en/herbicides/approved-tank-mix/enlist-one-tank-mix-products/enlist-one-allowable-nozzles.html
 - **Enlist Duo® herbicide:** enlist.com/en/herbicides/approved-tank-mix/enlist-duo-tank-mix-products/enlist-duo-allowable-nozzles.html
 - TeeJet® AIXR are highly recommended. Using pressure at the higher end of the approved use range is preferred.
 - TeeJet® TTI (dicamba nozzles) are NOT recommended. If they are used, pressure should not be less than 75 PSI.
 - It is recommended to review which nozzles you already have and find out if they will be a good fit for Enlist.
4. Spray nozzles at the proper pressure range (50-80 PSI) direction following application guidelines (wind speed: 3-10 mph, max of 15 mph gust)
5. “Enlist 360 Training” can be completed on-line, link is top right-hand corner of the Enlist.com website
 - Enlist E3® Training is not mandatory for growers, but recommended for educational purposes
6. Corteva Agriscience does not recommend nor support applying Enlist One as the only mode-of-action, always tank mix Enlist One with an approved glyphosate or glufosinate
7. When tank mixing Enlist One + approved glyphosate (or glufosinate) + volunteer corn herbicide (clethodim) antagonism of the corn-killer is likely. Be sure to increase the rate of the volunteer corn herbicide by 33-50% to overcome antagonism
8. Enlist One + glyphosate or Enlist Duo applications, recommend water @ 15 GPA
9. Enlist One + glufosinate applications, recommend water @ 20 GPA
10. Enlist One and Enlist Duo applications can be made on Enlist E3 soybeans from burndown through R2 soybean stage
11. Tank mix Enlist One + K salt glyphosate (ie. Abundit® Edge herbicide) one product at a time into the sprayer or tender, DON'T mix straight Enlist One + K salt glyphosate together in an inductor. Take the time to mix them separately.
12. Tank mix Enlist One + glufosinate one product at a time into the inductor, DON'T mix straight Enlist One + glufosinate together in an inductor
13. Always add an approved ammonium sulfate (AMS)
14. The addition of a Crop Oil Concentrate (or MSO / NIS) has been found to increase performance in tougher weed situations – see mixtures on page 2
15. Make sure to spray during the right time of the day. Avoid spraying under conditions of heavy dew during morning and evening hours
16. Apply before weeds exceed 6 inches tall. Spraying weeds when they are smaller provides best results for control

Mixing order: make sure products that are added to Enlist are approved

1. Water (fill tank with 50% of the load)
2. AMS / dry products- Pre slurry dry AMS in fresh water only. Allow enough water and time for dry AMS to fully dissolve before adding any herbicides to the mix.
3. Agitate to be certain dry product has dissolved completely
4. Enlist – let Enlist agitate in sprayer 5 minutes before continuing
5. EC residual (ie. EverpreX™) / volunteer corn herbicide
6. Glyphosate / glufosinate / fomesafen.
 - a. Durango® DMA is the most mixing compatible glyphosate.
 - b. Never allow raw chemical Enlist in a mix cone with another raw chemical
 - c. K salt glyphosate (Abundit Edge): Tank mix Enlist One + K salt glyphosate one product at a time into the sprayer or tender
 - d. Glufosinate: Tank mix Enlist One + glufosinate one product at a time into the sprayer or tender
7. Adjuvant: COC has been found to increase performance in tougher situations. If drought conditions and tough weed are present, MSO may be used. Review situation with your Corteva territory manager.
8. Top off with Water (15 gpa in glyphosate mixes; 20 gpa in glufosinate / fomesafen mixes)

Post emergence recommendations:

The following are surfactant recommendations for tough-to-control weeds and dry weather conditions. Please work with your Enlist™ herbicide provider and Corteva Agriscience territory manager to create a program that fits your situation.

Rates per acre:

Enlist One® herbicide 2 pts
Enlist Duo® herbicide 4.75 pts

A.E. (Abundit® Edge herbicide) 32-44 oz
Durango® DMA® herbicide 32-48 oz

Liberty® herbicide 32 oz
EverpreX® herbicide 1-1.33 pts

Herbicide Program	Recommended	Optional / Substitute
Enlist One + A.E./Durango DMA	2 lbs. AMS + 0.5-1 gal/100 *COC	
Enlist One + A.E./Durango + EverpreX	2 lbs. AMS + 0.5-1 gal/100 *COC	1-2 pt. NIS/100 instead of COC
Enlist One + A.E./Durango + EverpreX + Clethodim	2 lbs. AMS + 0.5-1 gal/100 *COC	1-2 pt. NIS/100 instead of COC
Enlist One + A.E./Durango + Clethodim	2 lbs. AMS + 1 gal/100 *COC	
Enlist One + Liberty	3 lbs. AMS + 0.5-1 gal/100 *COC	1-2 pt. NIS/100 instead of COC
Enlist One + Liberty + EverpreX	3 lbs. AMS + 0.5-1 gal/100 *COC	1-2 pt. NIS/100 instead of COC
Enlist One + Liberty + EverpreX + Clethodim	3 lbs. AMS + 0.5-1 gal/100 *COC	1-2 pt. NIS/100 instead of COC
Enlist One + Liberty + Clethodim	3 lbs. AMS + 1 gal/100 *COC	
Enlist One + A.E./Durango + Liberty	3 lbs. AMS + 0.5-1 gal/100 *COC	1-2 pt. NIS/100 instead of COC
Enlist Duo + Clethodim	2 lbs. AMS + 0.5-1 gal/100 *COC	

*COC rate based on standard 17% COC. Use proportionally less with higher load COC or MSO. MSO can be used in substitute for the COC but will likely increase cosmetic speckling of leaves.

All products must be tank mix approved- visit EnlistTankMix.com. Products listed on EnlistTankMix.com have not been tested for crop response. Listing is not an endorsement of use.

Adding some drift reduction agents that thicken the mixture have been found to decrease weed control. Please discuss options with your surfactant representative and Corteva territory manager. Also make sure to use the right pressure and nozzles.

1. Read and follow all label directions
2. Make sure you use an approved nozzle www.enlist.com/en/application-guide.html
3. Make sure to review rates and mixing order when adding multiple products
4. Make sure to mix in Enlist One before adding K salt glyphosate or before adding glufosinate
 - Never mix raw chemicals together in mixing chamber
5. We recommend 15 GPA of Water with glyphosate and 20 GPA with Glufosinate
6. We recommend TeeJet AIXR or AITTJ to be used with Enlist Herbicide. Use 50-70 psi for best coverage.
7. We do not recommend TTI nozzles when using Enlist due to the ultra-course droplets size.
8. To overcome antagonism when you are spraying a volunteer corn herbicide, increase your volunteer corn rate or make a separate application. Example - Select Max® herbicide rate of 8 oz. on 12-inch volunteer corn, increase rate to 12 oz./acre (33% to 50% rate increase)

Listed products are the trademarks of their manufacturer. Read and follow all label directions. This is not a substitute for the product label.



Visit us at Enlist.com

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This reference guide is not intended as a substitute for the product label for the product(s) referenced herein. Product labels for the above product(s) contain important precautions, directions for use, and product warranty and liability limitations, which must be read before using the product(s). Applicators must be in possession of the product label(s) at the time of application. Always read and follow all label direction and precautions for use when using any pesticide alone or in tank-mix combinations.

Not all products are registered for sale or use in all states. The transgenic soybean event in Enlist E3 soybeans is jointly developed and owned by Dow AgroSciences LLC and MS Technologies, LLC. Enlist Duo and Enlist One herbicides are the only 2,4-D product authorized for use in Enlist crops. Consult Enlist herbicide labels for weed species controlled. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your state. Always read and follow label directions. Liberty is a registered trademark of BASF. Select Max is a trademark of Valent U.S.A., LLC. ©2020 Corteva. CE45-401-023 COR (10/20)