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# TECH Tips

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## **Enlist E3 Soybeans: Pesticide Mixing Order- 2023**

Tank mixes are the mandated standard application method used in today's production systems for Enlist E3 soybeans. Spray additives can pre-condition water to increase the efficacy of the 2,4-D as well as the glyphosate or glufosinate portions of the tank mix. Added deposition aids and performance enhancing adjuvants can significantly improve product performance in the crop as well. To be effective, all herbicides and additives to a spray solution must be thoroughly mixed to form a homogeneous spray mixture. Proper mixing order influences product performance, compatibility, tank cleaning, and can even affect drift. Proper mixing order is critical to assure full compatibility of spray solution components. With Enlist, it is critically important that different components of the spray mixture are separated by water rise and agitation. *Applicators must read and follow label directions and must adhere to approved tank mixes, including online tankmix recommendations and restrictions. Refer to [www.enlist.com/en/herbicides/approved-tank-mix.html](http://www.enlist.com/en/herbicides/approved-tank-mix.html) for approved tank mix partners.*

### **2023 Enlist E3 Crops Pesticide Mixing Order**

- 1) Fill spray tank half full of water and begin **agitation**. Allow plenty of time between ingredient additions, as each product must be completely dissolved and mixed before the next ingredient.
- 2) Add **AMS-based water conditioner** products (**ARx Armor AMS (Enlist One only)**, **ARx Axis 3.5 (Enlist Duo only)**, **approved dry AMS**) or a non-AMS water conditioner product and **agitate thoroughly**.
- 3) Rinse the mix cone or eductor tank completely and **agitate**.
- 4) Add Water Dispersible Granular (WDG) and Extruded Granular (G) products and **agitate until dissolved**.
- 5) Add Flowables (F), Soluble Concentrate (SC) or Suspo-Emulsion (SE) products and **agitate**.
- 6) **Optional:** Add **Drift Reduction Agent** and **agitate**.
- 7) Rinse the mix cone or eductor tank completely and **agitate**.
- 8) Add approved micronutrients and **agitate**.
- 9) Add **Enlist One/ Duo** and **agitate thoroughly**. Rinse the mix cone or eductor **completely** and **agitate**.
- 10) Add insecticides, fungicides and EC products (IE: corn-killer herbicides or EC-formula residuals) and **agitate**.
- 11) Add glyphosate products or glufosinate products (Enlist One only) and **agitate**.
- 12) Add additional adjuvants (**ARx Acclimate (NIS)**, **ARx Corepoint (HSCOC)**, **ARx Accessory (Acidifier MSO)**, **ARx Tarex (HSMSO- Enlist One only)**, or **ARx Zellar (Enlist One only)**) and **agitate**.
- 13) Add drift and deposition aid (**ARx Affix**) and **agitate**.
- 14) Finish filling the spray tank with water and continue **agitation**.
- 15) End the day with the sprayer empty and the spray booms flushed, if possible.

**General Tank Cleaning Guidelines-** Clean spray tank **BEFORE and AFTER spraying Enlist**, triple rinse the sprayer and use **Erase** tank cleaner in the second rinse. Be sure to thoroughly clean spray booms and make every effort to rinse and/or fully empty the spray boom each night.