



Prevent Plant

Enlist One Mixing Issues



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PP Weed Issues in 2019

- >Waterhemp and horseweed (marestail) prevalent in many PP fields
- Many fields not touched until late July
 - Waterhemp already setting seed
- Palmer amaranth popping up in millet fields
- Fall moisture increased germination of winter annuals (including horseweed)

How to Avoid 2019 PP Issues

- Attempt weed control as soon as insurance allows
- Cover crops to help suppress summer annual weeds
 - Generally too late for winter annuals unless cereal rye is established
- >High likelihood of PP in 2020 = higher risk of contaminated cover crops

Weed Control in PP

>Try to keep things cheap

- Residuals may not pay if no cover is established
- Gramoxone, 2,4-D, dicamba, glyphosate good program bases
 - Be aware of OTM for later applications
- Use group 4 herbicides in grass cover crops

>Use group 1 herbicides in broadleaf cover crops

Gramoxone During Inversion

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ENLIST[®] HERBICIDES TANK-MIX SEQUENCE PROCEDURES

Be sure to start with a clean sprayer before mixing a load with Enlist herbicides. Remember the required water carrier volume with Enlist herbicides is 10–15 gallons per acre. For more tips on sprayer setup, see the Enlist herbicides application guide.

LIQUID CARRIER

- Begin with half-full tank of water
- Begin agitation and continue throughout mixing process
- Add products in order:
 - 1. AMS / water conditioning agents
 - 2. Pre-slurry water-soluble packets
 - 3. Wettable powders/dry flowables
 - 4. Compatibility agents
 - 5. Liquid flowables
 - 6. Capsule suspension (CS) or suspension emulsion (SE)

- 7. Emulsifiable concentrate (EC)
 - Soluble liquids (SL)
 - Enlist Duo® herbicide at 4.75 pt/A
 - Enlist One⁻ herbicide at 2.0 pt/A When mixing with Enlist One, do not pour glufosinate ammonium products or glyphosate potassium into the tank at the same time as Enlist One. Add products one at a time, allowing enough time for recirculation between additions of each separate product.
 - Glyphosate products
- 8. Crop Oil Concentrate (COC), NIS, other adjuvants
- 9. Top off with water carrier

Avoid mixing mistakes with Enlist One







Photo credits: Jonathan Siebert

Avoiding the gunk up during mixing

To successfully tank mix Enlist One + glyphosate:

- Plenty of water
- Plenty of time to agitate
- Mix products one at a time in proper mixing order



10 gal carrier volume Enlist One @ 2 pt/A PowerMax @ 22 oz/A Brawl @ 1 pt/A

Products dumped into inductor at same time; less than a 25% full of water

Photo credit: Steve Snyder

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USDA sets web seminar session for hemp

March 5, 2019 11:27 AM



(File photo)

March 13 is the date for a U.S. Department of Agriculture web listening session that will help the agency gather public comments about a new program to regulate hemp production.



NDSU NORTH DAKOTA

Waterhemp Issues in 2019

>Delayed planting (many skipped a PRE)

Saturated fields

>Drowned out areas

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2019 Waterhemp Management Plan















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2019 July Monsoon Season



- Many fields flooded
- Bare ground afterwards











August 22 2019

July 30 2019











Questions?

