

# AdjuTec<sup>®</sup> AMS Tru



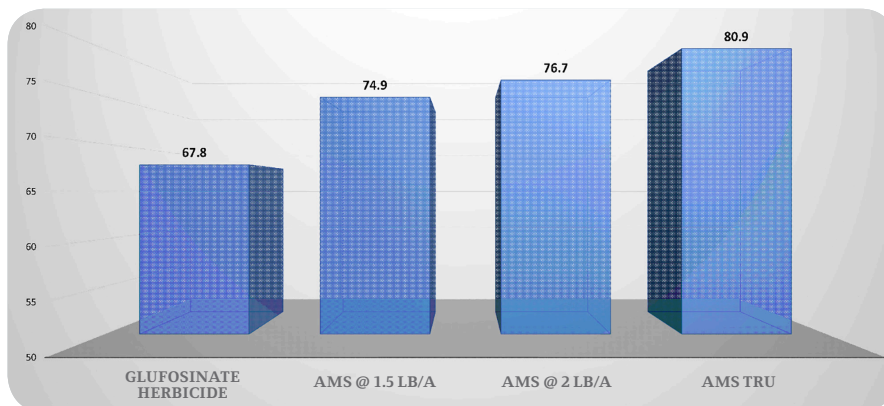
Glufosinate-based herbicides provide farmers with excellent control of problem annual broadleaf weeds and annual grasses. For glufosinate herbicides to be effective, spray solution water with AMS must provide leaf wetting, leaf penetration and water conditioning to reduce the impact of positively charged elements such as iron and calcium to maximize activity on the leaf surface. For this reason and for best performance, glufosinate-based herbicide programs require high quality adjuvants and water conditioners.

PCT | Sunrise<sup>®</sup> AdjuTec<sup>®</sup> AMS Tru (AMS Tru) is specifically designed to be used with glufosinate-based herbicide programs. AMS Tru meets the level of surfactant and AMS required for glufosinate-based herbicides. Glufosinate-based herbicides require full adjuvant levels and higher water application rates in order to effectively cover each growing point of a weed. AMS Tru offers the following enhancements to improve weed control with glufosinate herbicides:

- ↳ AMS Tru provides improved wetting activity of the spray droplet without over spreading, including excellent deposition on narrow grass leaf surfaces.
- ↳ AMS Tru improves humectant properties (*the ability to retain or hold moisture*) of the spray droplet which allows more time for the herbicide to enter the plant. These humectant properties also allow for re-wetting of the active ingredient in the spray droplet providing improved weed control.
- ↳ AMS Tru is formulated as a low foaming liquid adjuvant that foams less than many traditional surfactants formulated for use with ammonium sulfate.

## Waterhemp Species Control Average of Replicated Sites in AR, IL, SD and TX

Common Waterhemp, Tall Waterhemp, Redroot Pigweed, Palmer Amaranth



Local grow how.

## Physical State of AMS in Spray Deposit from AMS Tru vs. Nonionic and Ammonium Sulfate-Based Product

V1) 1.5% nonionic/AMS-based water conditioner 0.3 µL on Polystyrol



V2) 2.5% AMS Tru-based water conditioner 0.3 µL on Polystyrol



➔ When there is much more crystal growth of AMS, that is usually related to inactivation

As illustrated above, with the use of the polymer surfactant in AMS Tru, the crystal growth of ammonium sulfate that causes it to remain on the leaf surface without entering the plant is minimized as opposed to more common nonionic surfactant and ammonium sulfate-based products currently on the market.

### Tank Mixes With AMS Tru and Glufosinate:

- ↳ Clethodim foliar grass products
- ↳ PPO foliar herbicides
- ↳ ALS herbicides (e.g. Harmony GT<sup>®</sup> or Pursuit<sup>®</sup>)
- ↳ Group 15 family residual herbicides (e.g. acetochlor-Warrant<sup>®</sup>, s-metolachlor- Dual Magnum<sup>®</sup>, pyroxasulfone-Zidua<sup>®</sup>), minimizes the need for additional adjuvants; recommend s-metolachlor
  - Could see additional crop response due to the oil base of Group 15 herbicides

### Application Rate:

3 gal/100 gal of spray solution

### Package Size

- ↳ 250 gallon shuttle
- ↳ Bulk (upon request)

### Freezing Point Temperature

↳ 0°F

