



Agronomy Update | It All Starts with the Tank Mix

When tank mixing herbicides, two critical agronomic factors must be prioritized: ensuring all components are introduced in the correct sequence to maintain chemical stability and efficacy and verifying the compatibility of the products—not only in terms of their chemical properties but also their suitability for the target weeds within the context of the crop's growth stage and environmental conditions.

- **Mix ingredients in the proper order using the W.A.M.L.E.G.S. method:**

- **W** Wettable powders (all dry ingredients) are added first to sprayer tank water
- **A** Agitate thoroughly to ensure proper mixings
- **M** Micro-encapsulated suspensions
- **L** Liquid flowable and suspension products are next
- **E** Emulsifiers and concentrate formulations
- **G** Glyphosate formulations
- **S** Surfactant solutions are added last

This sequence ensures optimal dispersion, prevents incompatibility reactions, and maintains the chemical effectiveness of the tank mix.

- **Verify product compatibility for target weeds within the crop context:** Assess the chemical properties and interactions of the herbicides to avoid antagonistic effects, while ensuring their efficacy against the specific weed species. Consider the crop's growth stage, herbicide tolerance, and environmental factors to prevent phytotoxicity and maximize weed control performance.