

ReadyWater™ – Why It Matters in Spray Programs

The Challenge

Most farm wells and rural water sources are hard water—loaded with calcium, magnesium, iron, and bicarbonates. These cations bind with active ingredients in herbicides and defoliants, reducing their effectiveness before they ever hit the leaf. Simply lowering pH with acid isn't enough—hardness minerals still tie up valuable chemistry.

The Solution: ReadyWater™

ReadyWater™ is a fermented organic acid water conditioner and adjuvant designed to:

- Chelate hard-water minerals – prevents calcium, magnesium, and iron from inactivating herbicides/defoliants.
- Stabilize spray tank pH – keeps solution in the ideal range without being overly corrosive.
- Improve leaf penetration and uptake – ensures more active ingredient reaches the target.
- Reduce antagonism – minimizes chemical tie-ups in complex tank mixes.

Benefits with Key Chemistries

Glyphosate (Roundup, generics)

- Extremely sensitive to hard water.
- Calcium and magnesium tie up glyphosate salts, cutting weed control dramatically.
- ReadyWater binds those cations first, protecting glyphosate for maximum activity.

Glufosinate (Liberty, generics)

- Needs clean water to deliver rapid burndown.
- Antagonized by bicarbonates and cations.
- ReadyWater improves consistency of coverage and uptake, especially in tough-to-kill weeds.

Defoliants (Ethephon, Terminate, tribufos, etc.)

- Formulations often carry their own acidity, but mineral hardness still causes tie-up.
- ReadyWater ensures minerals are sequestered so the chemistry works on the plant, not wasted in the tank.
- Promotes cleaner, more uniform defoliation.

Bottom Line for Growers

- ✓ Stronger, faster weed kill with glyphosate & glufosinate
- ✓ More reliable defoliation under variable water quality
- ✓ Less wasted chemistry – more dollars working in the field
- ✓ Easy to use: 1–2 fl oz per 100 gallons of spray water, so it replaces AMS for a few ounces versus pounds. However, it is more than a replacement but does the job in a different and better way.

ReadyWater™ – Unlocking the full power of your chemistry, no matter your water source.