

RESEARCH TECHNICAL BULLETIN

'ALWAYS READ THE ENTIRE LABEL FOR INSTRUCTIONS, USE RATES AND WARRANTIES'.

"This technical bulletin with additional research information is to be used with the ATTACHED label"



N Tank®

FOUR MAIN REASONS FOR USING N TANK WATER CONDITIONER

REASON #1: HARD WATER INACTIVATION

- Calcium, magnesium and iron (and many other metal ions) in spray water (hard water) bind with glyphosate.
- **RESULT:** (glyphosate-calcium) molecule is inactive as a herbicide and not mobile in the plant. Glyphosate is wasted.
- **N Tank®** Chelates the calcium and magnesium (and other ions) preventing glyphosate inactivation.

PPM	WATER CLASSIFICATION
0 – 114	SOFT
114 – 342	MODERATELY HARD
342 – 800	HARD
>800	EXTREMELY HARD

N Tank® Water Conditioner

- Most active water conditioning additive on the market
- Patented formulation
- Low use rates 0.25% to 1% v/v
 - (50 to 200 ml at 5 gpa) or (100 to 400 ml at 10 gpa)
- Prevents or reduces glyphosate inactivation by hard water, dusty leaf surfaces and weed species that contain calcium and magnesium.

Flixweed Control

Glyfos alone (in center) and N Tank + Glyfos sprayed using HARD WATER (up front and in background).



REASON #2: WATER CONDITIONED PERFORMANCE

- Superior control on the widest range of weed species.
- More into weeds: less tied up or inactivated.
- Faster glyphosate absorption: rainfast performance.
- **RESULT:** Improved herbicide performance.

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REASON #3: TOUGH TO CONTROL WEEDS

- Some tough weeds contain high levels of calcium and magnesium; example, Common Lambsquarters.
- The inactivating ions in tough weeds are in the wax covering on the leaves as well as in the cells just under the leaf surface.
- **RESULT: N Tank®** will prevent glyphosate from becoming inactivated and immobilized by tough weeds.



REASON #4: DUST AND DUSTY WEEDS

- Dust created by the sprayer at the time of application or dust blown onto the leaf surface of the weeds acts like Hard Water to inactivate some or most of the glyphosate immediately upon contact.
- **RESULT:** Glyphosate is inactivated; poor performance; inconsistent performance, weed control misses across the field.
- **N Tank®** prevents or reduces the impact of dust allowing glyphosate to kill weeds.

FOR MORE INFORMATION CONTACT:



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