



# The Water Conditioner

## WHAT IS IT?

- > pHix® is a water conditioner formulated with a stabilized Sulfur.
- > It creates an ideal environment in the spraying tank for maximum herbicide efficacy by reducing water hardness to levels below 50 ppm.
- > pHix® has also an acidic nature that allows lowering the pH of the spray solution to 2.5-3.5.

## WHEN & WHY USE IT?

- > Use with glyphosate at pre-burn and for crop desiccation.
- > Traditional spray water has a level of hardness of 100-800 ppm and a pH of around 7.5.
- > The Sulfur fraction in pHix® causes Gypsum to precipitate out of the water thereby improving the water quality.
- > pHix® lowers the solution pH to the point where Glyphosate cannot be chemically tied up with positively charged ions such as Calcium, Magnesium and Iron, which are the source of water hardness.
- > Improves solubility of other Phosphate-based pesticides.
- > Benefits of "facilitated diffusion" from the urea-based component of pHix®.
- > Low usage rate - a 10 L jug can treat 400 acres at 5 US gal/ac spray volume.
- > pHix® is extremely economical.

## WHAT TO EXPECT?

- > Improved water quality, which is critical to herbicide performance and efficacy.
- > Effective at lowering the pH in the spray tank compared to Ammonium Sulphate.

VARIABLES	PHIX®	AMMONIUM SULPHATE
Nitrogen	Urea - neutral Ammonium low burn potential	Ammonium higher burn potential
Sulphur	Stabilized Sulphuric acid	Sulphate
pH - Concentrate	1.0	4.5-5.0
pH - Spray Solution	2.3-3.5	5.0+
Rate	0.5 L/400 L 0.125% of the spray solution	1 L/ac 2.5-5.0% of the spray solution



pHix® & Glyphosate on foxtail barley



Glyphosate on foxtail barley

## Application Guidelines



For use with Glyphosate and other Phosphate-based pesticides requiring low pH.

It is suggested that water be tested for both pH and level of hardness. Water with higher mineral content will require higher rates of pHix®.

Always add pHix® FIRST to condition the water before adding the pesticide.

Spring Rate for pre-burn: 0.5 L/100 US gal of water.

Fall Rate as a harvest aid and desiccation of hard to kill weeds: 1.0-2.0 L/100 US gal of water.

For in-crop use during the season, use *sopHtner95™* instead of pHix® to soften the water.

The product is available in 10 L jugs, 450 L and 1000 L IBC's.

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866-860-9660 /  
orders@omexcanada.com

SPECIALTY