



# Breeze<sup>®</sup> XL

## Adjuvant

Breeze<sup>®</sup> XL is a water conditioning agent / acidifier / surfactant for use with pesticides that are labeled for turf, ornamental, agricultural, forestry, non-cropland, and right-of-way uses. Breeze XL is formulated to meet the surfactant and ammonium sulfate (AMS) recommendation for many glyphosate, glufosinate, paraquat, and diquat products or other herbicides requiring the addition of surfactant and AMS.

### APPLICATION RATE

#### AS AN ACIDIFIER

Beginning PH	Suggested Rate Per 100 Gallons
< 8	2 – 4 fluid ounces
8	4 – 12 fluid ounces
9	10 – 20 fluid ounces
10	12 – 28 fluid ounces

#### AS A WATER CONDITIONER

1 – 10 quarts per 100 gallons. 1 oz per 1 gallon of water.

**BACKPACK RATE:** 0.25 oz per gallon

### INGREDIENTS

44.5% Ammonium sulfate, Citric acid and Sodium dimethyl benzene sulfonate  
55.5% Constituents Ineffective as Spray Adjuvant

### FEATURES & BENEFITS

- Lowers pH to limit pesticide degradation in spray solution
- Water conditioner prevents hard water antagonism
- 1 gallon of Breeze XL contains more than 2 lbs. of AMS
- Reduces foaming during tank mixing

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AQUATICS



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PEST CONTROL

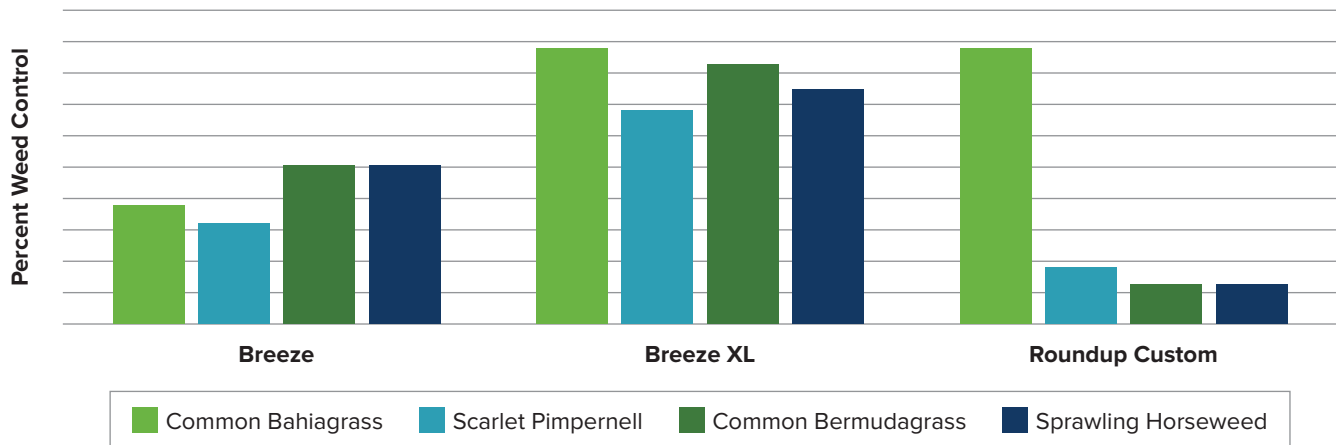


VEGETATION  
MANAGEMENT



# Breeze® XL Adjuvant

## BREEZE XL WATER CONDITIONER TRIAL



Glyphosate applied at 0.15 fl oz/ gallon, Breeze applied at .32 oz per gallon, Breeze XL applied at 1 oz per gallon.  
Water Hardness: 1000 ppm CaCO<sub>3</sub>. Tank Mixed the night prior to application. Trial run by: Shipp Consulting April to May 2024

Glyphosate is a broad-spectrum systemic herbicide commonly used for weed and grass control in bare ground, turf renovation, landscape, and vegetation management applications.

## COMMON TANK MIX PARTNERS

Roundup® (various formulations), Ranger Pro®, Finale XL, Cheetah Pro, Reward, Tribune

## CHALLENGES WITH GLYPHOSATE APPLICATIONS

- Reduced effectiveness due to high water pH or hard water antagonism from cations like calcium and magnesium.
- Thorough coverage of hard-to-wet leaf surfaces.

## WHAT IS ALKALINE HYDROLYSIS?

Some control products undergo a chemical reaction called alkaline hydrolysis, which breaks down the pesticide's active ingredient. This process reduces the effective control of the application.

Adding Breeze XL in a tank mix, can reduce the impact of alkaline hydrolysis. Breeze XL also acidifies spray water and delivers an effective amount of surfactant to ensure your spray application delivers the control expected.

### THIS BINDING RESULTS IN

- Reduced Glyphosate Availability
- Lower Herbicidal Activity

## PRO TIP

Add Droplex® to reduce potential drift issues which could result in harm to non-target plants.