

# BORDER™ XTRA TECHNOLOGIES



## SOLUTIONS FOR MAXIMIZING GLYPHOSATE PERFORMANCE



The BORDER™ XTRA family of products are patented, multi-functional activator adjuvant premixes, based on combining recommended rates of ammonium sulfate plus HPG polymer technology and are available in both liquid and dry formulations to meet a wide range of customer needs.

BORDER XTRA technology has been proven to optimize herbicide performance by improving herbicide uptake under a wider range of weed species and weather conditions while providing superior drift reduction.

### PERFORMANCE FACTS

AMS is effective at neutralizing hard water ions that reduce glyphosate performance.

Ammonium ions (NH<sub>4</sub>), found in AMS, maximize herbicide uptake by hard-to-control weed species, especially under weather-stress conditions.

AMS Imitators cannot provide the same levels of NH<sub>4</sub> ions found in minimum levels of AMS.

Reducing drift, by only increasing spray droplet size may reduce weed control due to poor droplet retention.

### BORDER TECHNOLOGY BENEFITS

Reduces performance complaints.

- Modifies large droplet behavior to keep them on the target leaf surface better than AMS alone.
- Provides more ammonium ions (NH<sub>4</sub>) for more consistent performance over a wider range of hard-to-control weed species.
- Ties up antagonistic hard water ions.

Reduces applicator risk and liability by providing superior drift control.

- Won't breakdown like ordinary drift retardants and provides more consistent drift control from start to finish.
- Available in both liquid and dry formulations to meet a wide range of handling, convenience, flexibility and price point needs.

### BORDER TECHNOLOGY FITS WITH...

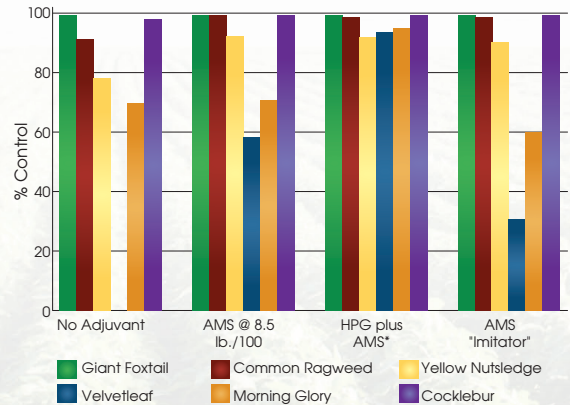
Loaded and unloaded Glyphosate formulations.

Post emerge broadleaf corn herbicides.

Burn-down applications containing 2,4-D.

A great recommendation anytime herbicides require AMS and drift control is a concern.

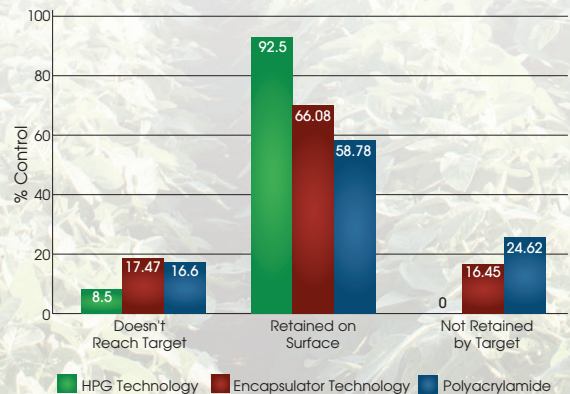
### ADJUVANT PERFORMANCE WITH ROUNDUP ULTRA®



28 DAT Ultra @ .5 lb./ac. 1998 University Research.

\*HPG plus AMS rates are similar to those found in the 18 lb./100 use rate of Border Xtra DF.

### FATE OF SPRAY DROPLETS DISTRIBUTION %



Roundup Ultra Max & Weather Max are registered trademarks of Monsanto. Border Xtra is a trademark of Precision Laboratories, LLC

Specialized chemistries that enhance plants, seeds, soil and water.

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