

SPRING BURNDOWN GUIDE



PRECISION
LABORATORIES

Results. Expect it.™



BORDER™ XTRA 8L

WATER CONDITIONING AGENT, SURFACTANT
AND DRIFT CONTROL AGENT

BORDER XTRA 8L is a liquid activator adjuvant specifically formulated to maximize pesticide performance on a wide range of weed species by eliminating spray particle bounce, thus providing superior adhesion of the spray particle solution to the leaf surface while delivering the required amount of ammonium and sulfate ions.

Use Rates

2.5% v/v (2.5 gal. of Border Xtra 8L per 100 gal. of spray solution). Border Xtra 8L is formulated with 8.5 lbs. of dry ammonium sulfate per 2.5 gallons.



PERSIST® ULTRA

MODIFIED VEGETABLE OIL
CONCENTRATE

PERSIST ULTRA is a unique methylated canola oil formulated to optimize pesticide performance and mixing characteristics with a wider range of tank mix partners than ordinary methylated seed oils or crop oils.

Use Rates

1-1.25% v/v (1-1.25 gal. of Persist Ultra per 100 gal. of spray solution) or a minimum of 20 - 24 oz. per acre



MSO ULTRA™

MODIFIED VEGETABLE OIL PLUS
SURFACTANT

MSO ULTRA is a proprietary methylated seed oil plus surfactant blend formulated to enhance pesticide performance while offering improved wetting and penetrating attributes. Using MSO ULTRA eliminates the need to add nonionic surfactants or crop oil concentrates to certain tank mixes.

Use Rates

Per Acre: 1 ¼ to 2 pints (use the higher rate when weeds are under weather stress or at the maximum labeled size for control).
By Volume: 1.0% v/v (1 gallon of MSO ULTRA per 100 gallons of spray solution).

SPRING BURNDOWN for CORN

HERBICIDE	ADJUVANT
Gramoxone® tank mixes	Vertex or Sorbyx
Basis® Blend + 2,4-D + glyphosate	Border Xtra 8L + Kixyt or Exchange or Vertex
Clarity® + 2,4-D + glyphosate	Kixyt or Exchange or Vertex
2,4-D + glyphosate	Border Xtra 8L
Princep® + atrazine + 2,4-D + glyphosate	Border Xtra 8L
Corvus® + 2,4-D	Border Xtra 8L + Kixyt or Exchange or MSO Ultra
Corvus + 2,4-D + glyphosate	Border Xtra 8L + Kixyt or Exchange or MSO Ultra
Acuron® or Lumax® or Lexar® + glyphosate	Border Xtra 8L + Kixyt or Exchange or MSO Ultra
Resolve® Q or Prequel® + 2,4-D	Border Xtra 8L + Kixyt or Exchange or MSO Ultra
Resolve Q or Prequel + 2,4-D + glyphosate	Border Xtra 8L + Kixyt or Exchange or MSO Ultra
SureStart® + glyphosate	Border Xtra 8L or Simplyx
Sharpen® or Verdict® + Clarity or glyphosate	Border Xtra 8L + Persist Ultra or MSO Ultra
WRITE IN OTHER PREFERRED TANK MIXES	

SPRING BURNDOWN for SOYBEANS

HERBICIDE	ADJUVANT
Envive® or Enlite® + 2,4-D	Border Xtra 8L + Kixyt or Exchange or MSO Ultra
Envive or Enlite + glyphosate	Border Xtra 8L + Kixyt or Exchange or MSO Ultra
Canopy® + 2,4-D + glyphosate	Border Xtra 8L
Clarity + 2,4-D + glyphosate	Border Xtra 8L
Gramoxone tank mixes	Vertex or Sorbyx
Extreme® + Sharpen®	Border Xtra 8L + Persist Ultra or MSO Ultra
Sencor® + 2,4-D + glyphosate	Border Xtra 8L or Sorbyx
OpTill® + glyphosate	Border Xtra 8L + Persist Ultra or MSO Ultra
Sharpen or Verdict + glyphosate	Border Xtra 8L + Persist Ultra or MSO Ultra
Valor® brands + 2,4-D + glyphosate	Border Xtra 8L + Exchange
Authority® brands	Border Xtra 8L + Persist Ultra or Kixyt or MSO Ultra or Exchange

WRITE IN OTHER PREFERRED TANK MIXES



EXCHANGE™ HIGH SURFACTANT OIL CONCENTRATE

EXCHANGE is a low use rate crop oil concentrate replacement adjuvant that enhances pesticide performance when compared to ordinary crop oil concentrates. This superior formulation combines the properties of a premium quality crop oil concentrate and nonionic surfactant. The result is excellent spreading/wetting characteristics as well as crop safety.

Use Rates

0.375 - 0.5% v/v (3 - 4 pints of Exchange per 100 gal. of spray solution) or a minimum of 10 -12 oz. per acre



KIXYT™ HIGH SURFACTANT OIL CONCENTRATE

KIXYT is a low use rate, high surfactant load, methylated canola oil concentrate that enhances crop protection performance when compared to ordinary methylated seed oils or crop oil concentrates.

Use Rates

0.5 - 0.75% v/v (2 - 3 quarts of Kixyt per 100 gal. of spray solution) or a minimum of 10 -12 oz. per acre



VERTEX™ PREMIUM NONIONIC SURFACTANT

VERTEX is a low-foaming, nonionic activator adjuvant designed to improve the effectiveness of pesticides requiring the use of a nonionic surfactant. Vertex enhances pesticide performance by improving spray solution coverage and penetration of target leaf surfaces.

Use Rates

0.125 - 0.5% v/v (1 - 4 pints of Vertex per 100 gal. of spray solution)

SORBYX™ DEPOSITION AID AND ACTIVATOR

SORBYX is a unique soil adsorption and activation aid designed to reduce leaching and critical concentration loss of certain residual herbicides from the germination zone.

Use Rates

1 pint per acre

BENEFITS OF SPRING BURNDOWN TANK MIXES

- Broader spectrum weed control
- Clean seedbed for planting
- Increased flexibility
- Maximum yield potential

CPDA CERTIFICATION



Under the Council of Producers & Distributors of Agrotechnology (CPDA) Certification Program, adjuvant manufacturers must provide confidential formulation information to a panel of industry experts for review and compliance to industry standards. This certification gives applicators greater assurances of the adjuvant's formulation and performance potential.