



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 seed 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

SIMPLYX™

**ACTIVATOR ADJUVANT FOR GLYPHOSATE
TANK MIXES**

SIMPLYX is a low use rate, activator adjuvant blend designed to maximize the performance of glyphosate, and its tank mix partners, on hard-to-control weed species. Simplyx effectively replaces the need for ammonium sulfate with glyphosate and glyphosate tank mixes by sequestering antagonistic hard water ions, maximizing cuticle penetration of both water-soluble and oil-soluble herbicides, and protonating weak-acid herbicides for rapid absorption and transportation.

Use Rates

0.5 - 0.75% v/v (2 - 3 quarts of Simplyx per 100 gal. of spray solution)

SPRING BURNDOWNS for CORN

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

*Use Border Xtra 8L instead of AMS when drift control and improved droplet retention is critical.

^ Do not use amine formulations of 2,4-D with Simplyx. Use 2,4-D or ester formulations only.

^ If using a 2,4-D amine formulation, replace Simplyx with Exchange or Vertex plus AMS Important: Read and follow all label directions before using any product.

SPRING BURNDOWNS for SOYBEANS

| HERBICIDE | ADJUVANT |
|------------------------------------|--|
| Envive® or Enlite® + 2,4-D | Border Xtra 8L + Kixyt or Exchange |
| Envive or Enlite + Glyphosate | Border Xtra 8L + Kixyt or Exchange |
| Canopy® + 2,4-D^ + Glyphosate | Border Xtra 8L or Simplyx |
| Clarity + 2,4-D^ + Glyphosate | Border Xtra 8L or Simplyx |
| Gramoxone | Vertex or Sorbyx |
| Extreme® + Sharpen® | Border Xtra 8L + Persist Ultra |
| Sencor® + 2,4-D^ + Glyphosate | Border Xtra 8L or Simplyx |
| OpTill® + Sharpen + Glyphosate | Border Xtra 8L + Persist Ultra |
| Sharpen + Glyphosate | Border Xtra 8L + Persist Ultra |
| Valor® XLT + 2,4-D + Glyphosate | Exchange + Border Xtra 8L |
| Authority® brands | Border Xtra 8L + Persist Ultra or Kixyt |

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 seed 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

| COARSE SOIL | MEDIUM SOIL | FINE SOIL |
|---------------------------------|---|--|
| Sand, Loamy Sand and Sandy Loam | Loam, Silt Loam, Sandy Clay Loam and Silt | Sandy Clay Loam, Silty Clay Loam, Silty Clay, Clay Loam and Clay |
| 12 - 16 oz./acre | 6 - 10 oz./acre | 4 - 8 oz./acre |

Simplyx, Border, Persist, Exchange, Kixyt, Sorbyx and Vertex are trademarks or registered trademarks of Precision Laboratories, LLC. Distinct, OpTill, Extreme, Clarity, Scepter, Sharpen and Veract are registered trademarks of BASF Corporation. Corvus and Sencor are registered trademarks of Bayer CropScience. Basis, Resolve, Resolve, Prequel, Canopy, Envive, Enlite are registered trademarks of E. I. duPont de Nemours and Company. Gramoxone, Lumax, Lexar, and Princep are registered trademarks of Syngenta Crop Protection, LLC. Valor is a registered trademark of Valent U.S.A. Corporation Agricultural Products. SureStart is a registered trademark of Dow AgroSciences LLC. Authority and its product extensions are registered trademarks of FMC Corporation.

BENEFITS OF SPRING BURNDOWN TANK MIXES

- Allows for earlier applications
- Extends residual control
- Broader spectrum control
- Prevents tough weeds from maturing
- Reduces risk of escape weeds

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.