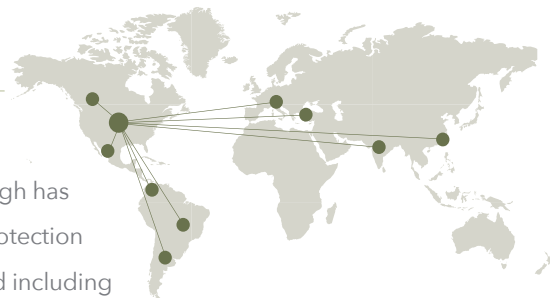


CANADA

2025 PRODUCT GUIDE

THE ALBAUGH STORY

Albaugh, LLC is a family-owned business, founded by Dennis Albaugh, with headquarters in Ankeny, Iowa. Since the company was established in 1979, Albaugh has grown from a one-truck operation to the largest privately held supplier of crop protection products in the world, operating with a direct presence in key regions of the world including North America, Brazil, Argentina, Europe, the Middle East and Asia-Pacific.



Albaugh entered the Canadian market in 2011 with the purchase of AgWest and launched AgriStar two years later. We have continued to seek opportunities to expand our product line with value-added solutions for the Canadian farmer. In the spring of 2022, Albaugh purchased Rotam Agrosiences. This acquisition not only expanded our portfolio, but it also added product and technology pipelines, manufacturing capabilities, registration, research and development capabilities, and professional expertise to better serve our customers.

Our customers will always be at the forefront of our business. We strive to ensure that we are exceeding their expectations and creating effective solutions that will support the Canadian farmer.

Our goal remains the same as it did 45 years ago: delivering high-quality products and great service at competitive prices, unlocking the power of choice for our customers. We are your alternative.



GROWING TO SERVE YOU

A vast majority of Albaugh's high-quality products for North America are manufactured and packaged in our facility in St. Joseph, MO. Being centrally located in the U.S. allows for operational and logistical advantages, including convenient and efficient product delivery.

Recent expansion and updates include a two-acre production and distribution center featuring a small-pack production area, TL and LTL truck loading as well as mixed-pallet shipping. With an emphasis on sustainability, significant investments in robotics further improve production efficiencies.

The Albaugh footprint in St. Joseph now includes 75 acres of production and warehousing space, with additional ground for future expansion and improvements – all to extend and enhance customer service.

ALBAUGH CANADA

280 Midpark Way SE #112,
Calgary, AB T2X 1J6
Canada
403.873.5177

ALBAUGH U.S.

1525 NE 36th Street,
Ankeny, IA 50021
800.247.8013



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CANADIAN SALES TEAM

Jeremy Sulatyski *Manitoba Territory Manager*

jeremy.sulatyski@albaughllc.com

(431) 345-0076

Brad Krawchuk *Saskatchewan Territory Manager*

brad.krawchuk@albaughllc.com

(306) 203-1325

Ryan Pierce *Alberta Territory Manager*

ryan.pierce@albaughllc.com

(403) 651-8892

Sheryll Krushelnicki *Customer Service*

sheryllk@albaughllc.com

(403) 873-5177

Geoff Trimble *Director, Canada Crop Protection*

geoff.trimble@albaughllc.com

(431) 335-9474

MIXING ORDER GUIDELINES

Follow the W.A.M.L.E.G.S. principle for tank mixes:

(Begin with sprayer tank ½ to ¾ full of clean water. Run agitation.)

W: Wettable powders, flowable products (DC, DF, DG, DS, F, DF, Gr, SG, SP, WG, WDG)

A: Agitate, anti-flowing compounds & buffers.

M: Microcapsule suspension (ME)

L: Liquids and solubles (SN, SC, Li, Su)

E: Emulsifiable concentrates (EC)

G: High-load glyphosates

S: Surfactants.

(Fill tank to full with water. Continue agitation.)

When in doubt, consult the label.

NON-SELECTIVE HERBICIDES

CRUSH'R® 540

Crush'R 540 is a non-selective herbicide that provides broad-spectrum control of many annual and perennial weeds, woody brush and trees. Formulated as a water-soluble liquid, application may be made through most standard industrial or field-type sprayers after dilution and thorough mixing with water or other carriers according to label instructions.

Active: Glyphosate, 540 grams acid equivalent per litre, in potassium salt form

Key crops: Glyphosate tolerant crops, pre-seed, pre-harvest, post-harvest applications

Package unit: 2 x 10 L, 115 L drum, 500, 800 and 1000 L totes, bulk

CRUSH'R® PLUS

Crush'R Plus is a non-selective herbicide that provides broad-spectrum control of many annual and perennial weeds, woody brush and trees. Formulated as a water-soluble liquid, application can be made through most standard industrial or field-type sprayers after dilution and thorough mixing with water or other carriers according to label instructions.

Active: Glyphosate, 360 grams acid equivalent per litre, in IPA form

Key crops: Glyphosate tolerant crops, pre-seed, pre-harvest, post-harvest applications

Package unit: 2 x 10 L, 115 L drum, 500 and 1,000 L totes, bulk



ALBAUGH 2,4-D AMINE 600

2,4-D Amine 600 is a low-volatile phenoxy formulation that controls a variety of broadleaf weeds. Ideal for commercial and industrial applications and tank mixing with glyphosate for grass and broadleaf weed control.

Active: 2,4-D DMA Salt

Key crops: Spring wheat, winter wheat, barley, fall rye, field corn, forage sorghum, forage millet, range & pastureland, grass crops for forage and seed production

Package unit: 2 x 10 L

ALBAUGH 2,4-D ESTER 700

2,4-D Ester 700 is a high-concentration herbicide that provides excellent broadleaf weed control. Ideal for tank mixing with glyphosate for pre-plant burndown weed control in cereals and corn.

Active: 2,4-D ester

Key crops: Spring wheat, winter wheat, barley, fall rye, field corn, range & pastureland, grass crops for forage and seed production

Package unit: 2 x 10 L, 115 L drum, 500 L and 1,000 L totes

ALBAUGH MCPA AMINE 600

MCPA Amine 600 is a systemic phenoxy herbicide used to control annual and perennial weeds. MCPA Amine 600 may reduce the risk of injury to small grains when compared to other 2,4-Ds.

Active: MCPA DMA Salt

Key crops: Wheat, barley, rye, oats, flax, peas, corn and pastures

Package unit: 2 x 10 L

ALBAUGH MCPA ESTER 600

MCPA Ester 600 is a systemic phenoxy herbicide used to control annual and perennial weeds. A solvent-free, highly water-soluble formulation that forms a homogeneous solution and effectively controls more than 90 broadleaf weeds.

Active: MCPA ester

Key crops: Wheat, barley, rye, oats, and flax

Package unit: 2 x 10 L, 115 L drum, 500 L tote

AUDIBLE®

SELECTIVE HERBICIDE FOR POST-EMERGENT BROADLEAF WEED CONTROL.

Exceptional weed control on your tough-to-kill broadleaf weeds, while safe for use on your wheat, barley, and oat crops.

An excellent resistance management tool for your farm that contains two groups and three powerful active ingredients.

With the ability to spray from a 2-leaf stage to initiation of stem elongation, Audible® offers a wide application window.

Packaged in an economical and easy-to-use 80-acre package size.

Active Ingredients

Tribenuron-methyl +
thifensulfuron-methyl +
fluroxypyr

Formulations

75% WDG +
333 g a.e./L EC

Chemical Groups

Groups 2 + 4

Case Contents

2 x 5 L Audible® B
2 x 324 g Draft®

KEY CROPS

Wheat (spring, winter, durum), barley, oats

STAGING

Barley, spring wheat (including durum) and oats

2-leaf up to and including initiation of stem elongation

Winter wheat

In the spring, from 3-tiller stage until the emergence of the flag leaf



RATE

Audible® B: 125 mL per acre – 40 acres per 5 L jug

Draft®: 8 g per acre – 40 acres per 324 g bottle

Add NIS such as Agral® 90 or Ag-Surf® at 0.2 L per 100 L of spray solution.

Water volume: Minimum 22 L per acre

SUPPORTED TANK MIXES

All crops

MCPA ester

Wheat and barley

2,4-D ester

Spring wheat

Pinoxaden*, Assert® 300 SC*, clodinafop*, flucarbazone, fenoxaprop*, Simplicity® GoDRI®, Varro®

Barley

Pinoxaden*, Assert® 300 SC*, fenoxaprop*

*Addition of NIS is not required for these tank mixes.

IMPORTANT: Always consult the label of tank-mix partner before use.



RESTRICTIONS*

Rainfall

Rainfall within 4 hours of application may reduce efficacy.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

Leave 60 days between application and harvest.

Grazing restrictions

MUST NOT be grazed or fed to livestock for 7 days after treatment.

KEY WEEDS CONTROLLED OR SUPPRESSED*

Lady's thumb/ Smartweed
Narrow-leaved hawk's beard
Ball mustard
Redroot pigweed
Chickweed
Russian thistle
Corn spurry
Shepherd's purse
Cow cockle
Stinkweed
Flixweed
Tartary buckwheat
Common groundsel
Volunteer canola
(not Clearfield® varieties)
Hemp nettle
Volunteer sunflower
Kochia
Wild buckwheat
Cleavers
Volunteer flax
Canada thistle
Round-leaved mallow
Scentless chamomile
Sow thistle
Stork's bill

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

BELLUM[®]

**FOR CONTROL OF ANNUAL BROADLEAF WEEDS
IN FIELD, SEED AND SWEET CORN, CRANBERRY,
BLUEBERRY, AND TURF.**

Strong tank-mix partner, bringing additional MOA and broadleaf weed control.

Excellent flexibility with pre- and post-emergence application options.

Wide application window up to the 8-leaf stage, with excellent crop safety.

Active Ingredient

Mesotrione

Formulation

480 g/L suspension

Chemical Group

Group 27

Case Contents

2 x 4.8 L

KEY CROPS

Field, seed and sweet corn*, high and lowbush blueberry

**Eastern Canada only*

STAGING

Corn

1-8 leaves (6 visible collars)



RATE

For field, seed, and sweet corn (Eastern Canada only):

0.120 L/ac - Pre-emergence

0.120 L/ac - Early post-emergence (from planting to 2-leaf field corn only)

0.085 L/ac - Late post-emergence (3- to 8-leaf field corn only)*

**requires addition of Agral 90 (NIS) at 0.2L per 100L*

Water volume: Minimum 40 to 80 L per acre.

SUPPORTED TANK MIXES

Apply mixes according to the most restrictive use limitations for either product:

PRIMEXTRA® II MAGNUM®

DUAL II MAGNUM®

Ultim®

Atrazine

Glyphosate

IMPORTANT: Always consult the label of tank-mix partner before use.

RESTRICTIONS*

Rainfall

Rainfall within 3 hours of application may reduce efficacy.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

Field corn grain/stover - 100 days,
Field corn forage - 90 days
Sweet corn - 50 days.

Grazing restrictions

No restrictions.

KEY WEEDS CONTROLLED OR SUPPRESSED*

Lamb's quarters

Redroot pigweed

Velvetleaf

Wild mustard

Common ragweed

Eastern black nightshade

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

BROX™ 240EC

Formerly known as Bromoxynil 240 EC

SELECTIVE HERBICIDE FOR POST-EMERGENT BROADLEAF WEED CONTROL.

Can be used in many crop applications providing effective broadleaf weed control.

Excellent tank-mix compatibility with a wide array of herbicides to improve broadleaf weed control.

Wide application window on multiple crops giving you ideal timing to control targeted weeds.

Active Ingredient

Bromoxynil

Formulation

240 g/L octanoate ester

Chemical Group

Group 6

Case Contents

2 x 9.7 L

KEY CROPS

Wheat (spring, durum, and winter), barley, oats, fall rye, flax (including low linolenic acid varieties), triticale, canola (Pre-seed/pre-plant application)

STAGING

Wheat (spring and durum), barley, oats

2-leaf until early flag leaf stage

Winter wheat

2- to 4-leaf stage in the fall or from the time growth begins to early flag leaf stage in the spring

Fall rye

From the time growth begins to the early flag leaf stage in the spring

Flax

From 5 cm high up to early flower bud stage

Canola

24 hours prior to seeding (do not apply after seeding or crop emergence)

Triticale

2-leaf until early flag leaf stage

Canary grass

Seedlings up to 4-leaf stage

RATE

0.49 L to 0.57 L per acre
17-20 acres per jug

Water volume: Minimum 40 L per acre

SUPPORTED TANK MIXES

Wheat (spring, durum and winter), barley
2,4-D ester, MCPA ester, tralkoxydim

Wheat (spring and winter)
Everest®

Oats
MCPA ester

Fall rye, flax, canary grass
MCPA ester

Pre-seed
Glyphosate, InStep®

IMPORTANT: Always consult the label of tank-mix partner before use.

RESTRICTIONS*

Rainfall

Avoid application when heavy rain is forecast. Rainfall within 1 hour of application may reduce efficacy.

Re-entry interval

DO NOT re-enter treated fields for 24 hours.

Refer to label for additional information for garlic and sweet corn.

Pre-harvest grazing intervals

Wheat, barley, oats, forage sorghum, forage millet and seedling alfalfa:
Do not use treated crops for grazing of livestock or green feed until 30 days after application of Brox™ 240EC unless otherwise stated on the label. Do not cut treated crops for forage until 30 days after application of this product.

KEY WEEDS CONTROLLED OR SUPPRESSED*

American nightshade
Bluebur
Cocklebur
Common ragweed
Cow cockle
Green smartweed
Kochia
Lady's thumb
Pale smartweed
Pigweed
Russian thistle
Stinkweed
Velvetleaf
Wild mustard

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

BROX™ M

**DUAL MODE OF ACTION SELECTIVE
HERBICIDE FOR POST-EMERGENT
BROADLEAF WEED CONTROL.**

Easy-to-use premix providing 2 modes of action for superior weed control.

Dual mode of action provides systemic and contact activity.

Multiple tank-mix options provide exceptional flexibility and control options.

Active Ingredients

Bromoxynil
MCPA ester

Formulation

225 g/L octanoate ester +
225 g/L 2-ethylhexyl ester

Chemical Groups

Groups 4 & 6

Case Contents

2 x 10 L
115 L drum

KEY CROPS

Wheat (spring, durum, and winter), barley, oats, fall rye, flax (including low linolenic acid varieties), corn (field and sweet), canary seed, grasses (seedling and established)

STAGING

Wheat (spring and durum), barley, oats

2-leaf until early flag leaf stage

Winter wheat

2- to 4-leaf stage in the fall or from the time growth begins to early flag leaf stage in the spring

Fall rye

From the time growth begins to the early flag leaf stage in the spring

Corn (field and sweet)

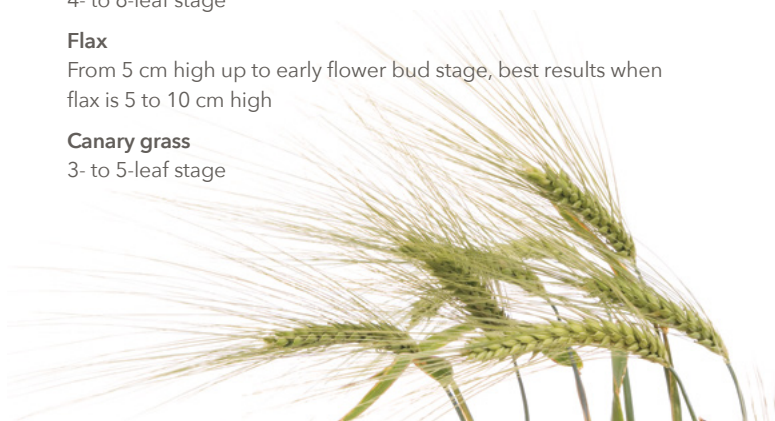
4- to 6-leaf stage

Flax

From 5 cm high up to early flower bud stage, best results when flax is 5 to 10 cm high

Canary grass

3- to 5-leaf stage



RATE

0.5 L per acre

20 acres per jug or 230 acres per barrel

Water volume: Minimum 20 L per acre

SUPPORTED TANK MIXES

Wheat (spring, durum and winter)

MCPA, tralkoxydim, Ally[®] or Plotter[®], Everest[®], Draft[®], Refine[®] SG, fenoxaprop, pinoxaden

Barley

MCPA*, tralkoxydim, Ally[®] or Plotter[®], Draft[®], Refine[®] SG, fenoxaprop, pinoxaden

Oats

MCPA ester*

Corn (field and sweet)

Atrazine

Flax

Clethodim 240, Poast[®] Ultra

IMPORTANT: Always consult the label of tank-mix partner before use.

RESTRICTIONS*

Rainfall

Avoid application when heavy rain is forecast. Rainfall within 1 hour of application may reduce efficacy.

Re-entry interval

DO NOT re-enter treated fields for 24 hours. Refer to label for sweet corn information.

Pre-harvest interval

A pre-harvest interval (PHI) of 20 days after application is required.

Grazing restrictions

Do not use treated crops for grazing of livestock or green feed until 30 days after application. Do not cut treated crops for forage until 30 days after application. Withdraw meat animals from treated fields at least 3 days before slaughter.

KEY WEEDS CONTROLLED OR SUPPRESSED*

Lady's thumb

Cow cockle

Redroot pigweed

Flixweed

Shepherd's purse

Kochia

Russian thistle

Scentless chamomile

Volunteer sunflower

Volunteer canola

Night flowering catchfly

Cocklebur

Velvetleaf

American nightshade

Wild buckwheat

Stinkweed

Common ragweed

Wild mustard

Wormseed mustard

Lamb's quarters

Common groundsel

Canada thistle[†]

Perennial sow thistle[†]

[†] *top growth checked*

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

CLEAT[®]

SELECTIVE HERBICIDE WITH BROADLEAF WEED CONTROL FOR PRE-SEED AND POST-HARVEST APPLICATION.

Excellent tank-mix option to enhance control of tough to kill weeds with your pre-seed glyphosate application.

Strong tool in controlling volunteer glyphosate-tolerant canola populations.

Provides excellent recropping flexibility.

Multiple modes of action when mixed with glyphosate.

Active Ingredient

Tribenuron-methyl

Formulation

75% WDG

Chemical Class

Sulfonylurea

Case Contents

10 x 324 g bottle

KEY CROPS

Wheat (including durum), barley, soybeans

STAGING AND SUPPORTED TANK MIXES

Cleat[®] + glyphosate

24 hours prior to seeding soybeans, barley and spring wheat (including durum) or summerfallow with any summerfallow treatment, allow 10 days to elapse between treatment and tillage. Only weeds emerged at time of application will be controlled.

Cleat[®] + 2,4-D

Summerfallow

Cleat[®] + InStep[®] (carfentrazone) + glyphosate

24 hours prior to seeding soybeans, barley and spring wheat (including durum) or summerfallow - Use 40 L water volume to ensure good coverage and maximum performance.



RATE

4 g per acre - 80 acres per 324 g bottle

Water volume: Minimum 22 L per acre



RESTRICTIONS*

Rainfall

Rainfall within 6 hours of application may reduce control.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

Recommend a minimum 60 days.

Grazing restrictions

No restrictions

KEY WEEDS CONTROLLED OR SUPPRESSED*

Cleat[®] + 0.5 L/ac
glyphosate equivalent

Canada fleabane

Canada thistle

Common ragweed

Cow cockle

Dandelion

Flixweed

Hemp nettle

Kochia

Lady's thumb

Lamb's quarters

Narrow-leaved hawk's beard

Redroot pigweed

Russian thistle

Scentless chamomile

Stinkweed

Volunteer canola

Volunteer flax

Wild buckwheat

White cockle

Wild mustard

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

CLETHODIM 240

**TRUSTED FORMULATION FOR GRASS CONTROL
IN A WIDE RANGE OF BROADLEAF CROPS.**

Selective post-emergent herbicide for control of a broad range of grasses.

Systemic herbicide which is translocated from treated foliage to the growing points of leave, shoots and roots.

Application rate and timing flexibility with multiple tank-mix options.

Active Ingredient

Clethodim

Formulation

240 g/L EC

Chemical Group

Group 1

Case Contents

1 x 3 L Clethodim 240

1 x 9 L Surf-Act™

KEY CROPS

Canola, field peas, lentils, flax, mustard (yellow, brown, oriental)

STAGING

Crops are tolerant at all growth stages. Base application timing at optimal weed stage.

Desi and Kabuli chickpeas, dry beans (pinto, black, great northern, red, pink and navy)

Maximum application of 75 mL/acre

Canola, flax (including low linolenic acid varieties), field peas, lentils, dry onions, potatoes, mustard (oriental, brown, yellow), soybeans, seedling alfalfa, sunflowers

Maximum application of 150 mL per acre



RATE

50 to 150 mL per acre – 20 to 60 acres per case

Water volume: Minimum 22 L per acre

SUPPORTED TANK MIXES

Flax

Badge® or Brox™ M, MCPA ester, Lontrel® 360 or Spur® 360, Curtail® M or Spur®-M

Field peas

Pursuit®

Canola

Mustar®, Liberty® (glufosinate ammonium tolerant canola varieties only)

IMPORTANT: Always consult the label of tank-mix partner before use.



RESTRICTIONS*

Rainfall

Avoid application when heavy rain is forecast. Rainfall within one hour of application may reduce the effectiveness of the spray.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

30–75 days, please consult label.

Grazing restrictions

Do not graze or cut treated crops for forage until 60 days after application to annual crops. See label for additional restrictions.

KEY WEEDS CONTROLLED OR SUPPRESSED*

50 mL per acre

Foxtail (green, yellow)
Wild oats
Volunteer cereals (wheat, barley, oats)
Barnyard grass
Witchgrass
Fall *Panicum*
Proso millet
Volunteer corn
Volunteer canary grass

75 mL per acre

Wild oats
Volunteer cereals (wheat, barley, oats)
Foxtail (green, yellow)
Persian dandelion
Crabgrass (smooth and large)
Proso millet
Witchgrass
Fall *Panicum*
Barnyard grass
Volunteer corn
Volunteer canary grass
Quackgrass (suppression)

150 mL per acre

Quackgrass

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

DAKOTA[®]

**SOLID WEED CONTROL FOR SELECT CROPS
AGAINST BOTH GRASSY AND BROADLEAF WEEDS.**

Reliable weed control targeting both grassy and broadleaf weeds in Imazamox tolerant crops, as well as field peas and dry beans.

Excellent rotational flexibility.

Strong formulation, with easy-to-use packaging for accurate applications.

Active Ingredient

Imazamox

Formulation

70% WDG

Chemical Group

Group 2

Case Contents

4 x 117.5 g water-soluble bags

KEY CROPS

Soybeans, field peas, imazamox-tolerant canola, imazamox-tolerant lentils, imazamox-tolerant sunflowers, dry edible beans

STAGING

Soybeans (Eastern Canada only)

Cotyledon to 4-leaf stage (3 expanded trifoliolate).

Field peas

1- to 6-true leaf stage

Imazamox-tolerant canola and imazamox-tolerant lentils

2- to 6-leaf stage

Imazamox-tolerant sunflowers

2- to 8-leaf stage

Dry edible beans

Early post-emergent (up to 3rd trifoliolate)



RATE

8.5 to 11.7 g per acre

Add Merge* at 0.5L per 100L of spray solution.

Water volume: 40 L per acre

SUPPORTED TANK MIXES

Field peas, edible dry beans

Basagran® Forte*

Addition of Merge not required, but does require 800 mL per acre nitrogen source (UAN 28%).

Imazamox-tolerant canola

Spur® 360

IMPORTANT: Always consult the label of tank-mix partner before use.



RESTRICTIONS*

Rainfall

Avoid application when heavy rain is forecast.

Re-entry interval

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Pre-harvest interval

After 60 days, field peas, imazamox-tolerant lentils, imazamox-tolerant canola or imazamox-tolerant canola quality *Brassica juncea* can be harvested.

Grazing restrictions

DO NOT graze the treated field peas, imazamox-tolerant lentils, imazamox-tolerant canola or imazamox-tolerant canola quality *Brassica juncea* or cut for hay within 20 days of application.

DO NOT graze treated sunflower plants or cut for straw – sufficient data are not available to support such use.

KEY WEEDS CONTROLLED OR SUPPRESSED*

Barnyard grass
Cleavers
Cow cockle
Green foxtail
Green smartweed
Japanese brome grass
Lamb's-quarters
Persian darnel
Redroot pigweed
Round-leaved mallow
Russian thistle
Shepherd's purse
Stinkweed
Volunteer barley
Volunteer canary seed
Volunteer canola (non-imazamox-tolerant canola only)
Volunteer durum wheat
Volunteer spring wheat (non-imazamox-tolerant wheat)
Volunteer tame oats
Wild buckwheat
Wild mustard
Wild oats
Yellow foxtail

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

DRAFT[®]

**SELECTIVE HERBICIDE FOR POST-EMERGENT
BROADLEAF WEED CONTROL.**

Wide weed spectrum with excellent crop safety.

Easy-to-use water-soluble formulation.

Broad tank-mix flexibility with most grass and broadleaf herbicides.

Homogenous mixture provides consistent and accurate dosage.

Economical weed control performance.

Active Ingredients

Thifensulfuron-methyl +
tribenuron-methyl

Formulation

75% WDG

Case Contents

10 x 324 g bottle

Chemical Class:

Sulfonylurea

KEY CROPS

Wheat (spring, winter, durum), barley, oats

STAGING

Barley, wheat (spring, winter and durum) and oats

2-leaf to flag leaf (prior to head emergence)



RATE

8 g per acre – 40 acres per 324 g bottle.

Add NIS such as Agral® 90 or Ag-Surf®, at 0.2 L per 100 L of spray solution.

Water volume: Minimum 22 L per acre.

SUPPORTED TANK MIXES

Wheat, barley, and oat

MCPA ester*

Wheat and barley

2,4-D ester

Spring wheat

Pinoxaden*, Assert® 300 SC*, clodinafop*, flucarbazone, fenoxaprop*, Simplicity® GoDRI®, Varro®.

Barley

Pinoxaden*, Assert® 300SC*, fenoxaprop*

*Addition of NIS is not required for these tank mixes.

IMPORTANT: Always consult the label of tank-mix partner before use.

RESTRICTIONS*

Rainfall

Avoid application when heavy rain is forecast. Rainfall within 4 hours will result in reduced weed control.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

Leave 60 days between application and harvest.

Grazing restrictions

MUST NOT be grazed or fed to livestock for 7 days after treatment.



KEY WEEDS CONTROLLED OR SUPPRESSED*

Annual smartweed (green smartweed, lady's thumb)
Chickweed
Corn spurry
Cow cockle
Flixweed
Common groundsel
Hemp nettle
Lamb's quarters
Narrow-leaved hawk's beard
Redroot pigweed
Russian thistle
Shepherd's purse
Stinkweed
Tartary buckwheat
Volunteer canola (not Clearfield® varieties)
Volunteer sunflower (not Clearfield® or SU tolerant varieties)
Wild or Ball mustard
Wild buckwheat
Canada thistle
Round-leaved mallow
Scentless chamomile
Stork's bill
Sow thistle

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

FLURO STAR[®] MAX

**SELECTIVE HERBICIDE FOR POST-EMERGENT
BROADLEAF WEED CONTROL.**

Controls annual broadleaf weeds including certain ALS-resistant biotype weeds such as kochia.

Fluro Star[®] Max is a systemic herbicide that moves within the plant, controlling exposed and underground plant tissue.

Broad tank-mix flexibility with most grass and broadleaf herbicides.

Active Ingredient

Fluroxypyr

Formulation

333 g a.e./L EC

Chemical Group

Group 4

Case Contents

2 x 10 L jug

KEY CROPS

Wheat (spring, winter, durum), barley, oats

STAGING

Barley, wheat (spring and durum)

2-leaf up to and including stem elongation

Winter wheat

Apply in spring from the 3-tiller stage to just prior to flag leaf

Oats

3-leaf up to and including stem elongation



RATE

85 mL/acre to 166 mL/acre
Refer to label for specific rates

Water volume: Minimum 22 L per acre

SUPPORTED TANK MIXES

Apply mixes according to the most restrictive use limitations for either product:

Wheat, barley and oats

2,4-D ester, MCPA ester, Spur® 360, Draft®

Spring wheat and barley

Assert® 300 SC, tralkoxydim, pinoxaden

Spring wheat including durum

Clodinafop, fenoxaprop, Simplicity®

IMPORTANT: Always consult the label of tank-mix partner before use.



RESTRICTIONS*

Rainfall

Avoid application when heavy rain is forecast. Rainfast with 1 hour after application.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

Leave 60 days between application and harvest.

Grazing restrictions

May be grazed 3-7 days after application. See label for specific restrictions by crop. DO NOT feed or cut forage grasses for hay for 30 days.

KEY WEEDS CONTROLLED OR SUPPRESSED*

Chickweed (up to 8 cm)

Cleavers (1 to 4 whorls)

Hemp nettle (2 to 6 leaf)

Kochia (2 to 8 leaf)

Round-leaved mallow (1 to 6 leaf)

Stork's-bill (1 to 8 leaf)

Volunteer flax (1 to 12 cm)

Wild buckwheat (1 to 4 leaf)

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

HINGE[®]

BROAD-SPECTRUM HERBICIDE WITH PRE- OR POST-EMERGENT APPLICATION OPTIONS.

Provides immediate and effective contact control.

Exceptional herbicide formulation. Offers post-emergent weed control on both field and fresh market tomato crops, as well as all types of potatoes.

A strong and effective tool for weed management strategies.

Active Ingredient

Rimsulfuron

Formulation

25% SG

Chemical Class

Sulfonylurea

Case Contents

10 x 480 g bottle

KEY CROPS

Potatoes, tomatoes, corn

STAGING

Potatoes

Prior to flower initiation

NOTE: Since irrigated potato in western Canada has been registered under the User Requested Minor Use program, the manufacturer assumes no responsibility for herbicide performance. Application to irrigated potatoes in western Canada is at the risk of the user.

Corn

Pre-emergent (eastern Canada only), spike to 3-leaf stage (2 visible collars or 20 cm in height - leaf extended).

Tomato, cranberry and stone fruit

Consult label for further details.



RATE

24 g per acre

Add NIS such as Agral® 90 or Ag-Surf® at 0.2 L per 100 L of spray solution

Water volume: Minimum 40 L per acre.

SUPPORTED TANK MIXES

Potatoes (eastern Canada only)

Tricor® 75 DF

Corn

Glyphosate in glyphosate tolerant varieties (eastern Canada only), Dual II Magnum®, Banvel® II, Prowl® (eastern Canada only), Marksman® (eastern Canada only)

IMPORTANT: Always consult the label of tank-mix partner before use.



RESTRICTIONS*

Rainfall

Do not apply when heavy rain is forecast. Rainfall within 2 to 4 hours of application may reduce efficacy.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

Leave 30 days between application and harvest.

Grazing restrictions

Do not graze the treated crop or cut for hay; sufficient data are not available to support such use.



KEY WEEDS CONTROLLED OR SUPPRESSED*

Barnyard grass
Fall *Panicum*
Green foxtail
Lamb's quarters
Quackgrass
Redroot pigweed
Witchgrass
Yellow foxtail

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

INSTEP®

FOR PRE-SEED APPLICATIONS TO CONTROL BROADLEAF WEEDS.

A strong resistance management tool to add to your pre-seed glyphosate application.

Control of tough-to-kill weeds, including kochia, volunteer canola (including glyphosate-tolerant) and round-leaved mallow, for a wide range of crops.

Application rate and timing flexibility with pre-plant burndown, fallow and harvest aid treatment options.

Active Ingredient

Carfentrazone-ethyl

Formulation

240 g/L EC

Chemical Group

Group 14

Case Contents

4 x 2.4 L

KEY CROPS

Wheat (including winter, durum), barley, oats, canola, soybeans, dry beans, field peas, potatoes and many more

CROPS, RATES AND STAGING

*Pre-plant burndown and fallow systems**

Barley, buckwheat, canola (rapeseed), chickpea, corn (field and sweet), dry bean, faba bean, field pea, flax, lentil, millet (pearl or proso), mustard, oats, potatoes, rye, safflower, sunflower, triticale, wheat (spring, winter, durum)

Prior to the seeding, from 14.6 to 47.3 mL per acre

Sorghum

14.6 to 29.5 mL/ac only

*Harvest aid treatment**

Barley, millet, oats, wheat, triticale, chickpea, dry bean, faba bean, field pea, soybean

From 29.5 to 47.3 mL per acre

Sorghum

29.5 mL/ac only

Potatoes

142 mL per acre

**Add NIS such as Agral® 90 or Ag-Surf® at 0.25 L per 100 L, or Merge® at 1 L per 100 L of spray solution.*

Water volume: Use a minimum of 40 L per acre and ensure adequate coverage and maximum performance.

IMPORTANT: Always consult the label of tank-mix partner before use.

SUPPORTED TANK MIXES

InStep® + g a.e. of glyphosate

180 to 360 g a.e. per acre

DO NOT apply as a harvest aid treatment with crops to be grown for seed purpose.

InStep® + glyphosate + Cleat®

24 hours prior seeding wheat (including durum) and barley only.

InStep® + 2,4-D ester

Prior to seeding wheat, barley, rye and soybean

Check 2,4-D label for rates and additional information.

IMPORTANT: Always consult the label of tank-mix partner before use.



RESTRICTIONS*

Rainfall

Avoid application when heavy rain is forecast.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

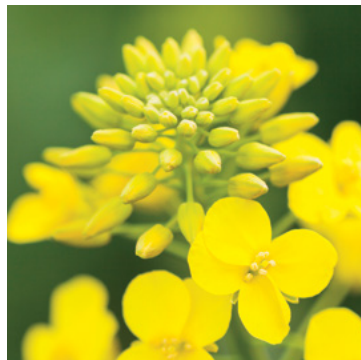
Pre-harvest interval

1-30 days PHI depending on crop.

Refer to label for more details

Grazing restrictions

No restrictions.



KEY WEEDS CONTROLLED*

14.8 mL per acre

Lamb's quarters
Morning glory
Eastern black nightshade
Redroot pigweed
Velvetleaf

Tall waterhemp

23.5 mL per acre

Hairy nightshade
Common purslane
Pennsylvania smartweed
Stinkweed

Round-leaved mallow
Prostrate pigweed
Smooth pigweed

Tansy mustard

29.6 mL per acre

Carpetweed
Kochia
Volunteer canola
Cocklebur

47.4 mL per acre

Burclover
Corn spurry
Prickly lettuce
Venice mallow

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

JUGGERNAUT®

A POWERFUL TOOL FOR BROADLEAF WEED CONTROL IN WHEAT AND BARLEY.

Exceptional weed control on hard-to-kill broadleaved weeds.

Wide application window - 3-leaf to just before the emergence of flag leaf.

Excellent tank-mix options.

Active Ingredients

Clopyralid/MCPA +
fluroxypyr

Chemical Group

Group 4

Formulation

Fluro Star® Max - 333 g a.e./L EC
Spur®-M - clopyralid 50 g/L + MCPA
(present as 2-ethylhexyl ester)
280 g/L EC

Case Contents

1 x 3.3 L Fluro Star® Max
2 x 8 L Spur®-M

KEY CROPS

Wheat (spring, winter, durum), barley, oats

STAGING

Wheat (spring, durum), barley, oats

Apply when crop is 3-leaf to just before flag leaf emergence.

Winter wheat

Apply in spring from the 3-tiller stage to just before the flag leaf stage. Apply when weeds are in the seedling stage (2-4 leaf).



RATES

Fluro Star® Max: 0.13 to 0.17 L per acre

Spur®-M: 0.6 to 0.8 L per acre

Case: 20 to 27 acres per case

Water volume: Minimum 40 L per acre.

SUPPORTED TANK MIXES

Spring wheat, durum, barley

Assert® 300 SC, fenoxaprop, tralkoxydim, pinoxaden

Spring wheat, durum

Simplicity® GoDri®, clodinafop

IMPORTANT: Always consult the label of tank-mix partner before use.



RESTRICTIONS*

Rainfall

Do not apply when heavy rainfall is forecast - rainfall within 8 hours of application may reduce efficacy.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

Do not harvest crop within 60 days of application.

Grazing restrictions

Do not graze or cut treated crops for 7 days after application. Do not cut treated forage grass fields for hay or forage. Do not graze treated forage grass fields.

KEY WEEDS CONTROLLED*

Burdock
Chickweed
Cleavers
Canada thistle
Cocklebur
Dandelion
(spring rosettes only)
Flixweed
Hemp nettle
Kochia
Lamb's quarters
Lady's thumb (smartweed)
Ragweeds
Redroot pigweed
Round leaved mallow
Common groundsel
Shepherd's purse
Stork's bill
Stinkweed
Sowthistle
(annual and perennial)
Plantain
Prickly lettuce
Vetch
Volunteer canola
Volunteer flax
Volunteer sunflower
Wild buckwheat
Wild mustard
Wild radish

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

PLOTTER®

A POWERFUL OPTION FOR BROADLEAF WEED CONTROL IN FORAGE GRASSES, PASTURE AND RANGELAND.

Easy-to-use formulation for superior post-emergent broadleaf weed control.

Multiple tank-mix options to provide exceptional, extended control.

Active Ingredient
Metsulfuron-methyl

Formulation
60% WG

Chemical Class
Sulfonylurea

Case Contents
10 x 122 g bottle

KEY CROPS

Wheat (spring, durum), barley, creeping red fescue (established), orchard grass (established), crested and intermediate wheat grass (seed or forage), timothy (seed or forage), pasture and rangeland

STAGING

Wheat (spring and durum), barley, creeping red fescue
2-leaf until flag leaf stage

Forage grasses for feed or seed production
2-leaf to emergence of flag leaf.

These forage grasses should be established for a minimum of one (1) year before applying Plotter® herbicide. Optimum control of narrow-leaved hawk's beard and scentless chamomile is obtained if application is made to small, actively growing weeds.

Timothy for forage or seed production

Fall application to post-emergent timothy which has been established for a least one (1) growing season. Application should be made after a cut has been removed to expose weed seedlings. Thorough coverage of actively growing weeds is essential for consistent control.

Pasture & rangeland

Apply 10 g/ac of Plotter® herbicide for control of western snowberry.
Apply 12 g/ac of Plotter® herbicide for control of wild rose.

RATE

3 g per acre (except rangeland)

40 per acre per 122 g bottle

Apply Plotter® with a non-ionic surfactant (NIS) at 0.2% v/v

Water volume: Minimum 40 L per acre

SUPPORTED TANK MIXES

Wheat (spring, durum) and barley

MCPA 500 amine or ester, 2,4-D ester or amine (600, 500), 2,4-D 700 ester, Puma® Advance*

Spring wheat only

Horizon® + Score® adjuvant*

Established creeping red fescue for seed

Assure® II + Sure-Mix® adjuvant*

**Addition of NIS is not required for these tank mixes*

IMPORTANT: Always consult the label of tank-mix partner before use.

RESTRICTIONS*

Rainfall

Avoid application of this product when heavy rain is forecast.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Grazing restrictions

Wheat, barley or forage crops may be grazed or fed to livestock any time after treatment.

Re-cropping restrictions

Do not use on soils with a pH greater than 7.9. Do not apply to irrigated land where tail water will be used to irrigate other cropland. See product label for complete list of recropping restrictions.

KEY WEEDS CONTROLLED OR SUPPRESSED*

Ball mustard
Redroot pigweed
Canada thistle
Chickweed
Shepherd's purse
Sow thistle (annual, perennial)
Stinkweed
Stork's bill
Tartary buckwheat
Toadflax
Volunteer canola (not Clearfield® varieties)
Wild buckwheat
Wild mustard
Prostrate pigweed
Blue bur
Russian thistle
Scentless chamomile
Common groundsel
Corn spurry
Cow cockle
Hemp nettle
Lady's thumb
Lamb's quarters
Green smartweed
Flixweed

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

PRIMERO™

SELECTIVE GRASS CONTROL FOR FIELD CORN AND SWEET CORN.

Control of key grass species, including quackgrass and barnyard grass.

Wide application window up to the 8-leaf stage.

Exceptional herbicide formulation. Offers post-emergent weed control on both field and sweet corn.

A strong and effective tool for weed management strategies with excellent tank-mix options.

Active Ingredients

Nicosulfuron

Formulation

75% water dispersible granule

Chemical Class

Sulfonylurea

Case Contents

10 x 480 g bottles

KEY CROPS

Field corn, sweet corn

STAGING

Field corn or sweet corn

1- to 8-leaf stage (6 visible collars)



RATE

13.5 g per acre + recommended adjuvant

Recommended adjuvant options:

NIS 0.2L per 100L

NIS 0.2L per 100L + 28% UAN 2L per acre (5L per acre when tank mixed with Distinct®)*

XA oil concentrate 1L per 100L*

Merge® 0.5L per 100L*

Sure-Mix® 0.5L per 100L*

**Eastern Canada only*

Water volume: Minimum 40 L per acre.

SUPPORTED TANK MIXES

Apply mixes according to the most restrictive use limitations for either product:

Pardner® Callisto® 480SC

Banvel® II Marksman**

Distinct** Peak 75WG*

Atrazine*

IMPORTANT: Always consult the label of tank-mix partner before use.

RESTRICTIONS*

Rainfall

Not specified on label - rainfall within 2 to 4 hours of application may reduce efficacy.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

Leave 30 days between application and harvest for field corn. Leave 40 days between application and harvest for sweet corn.

Grazing restrictions

Do not graze or feed treated corn forage, silage, fodder or grain for at least 30 days after an application.

KEY WEEDS CONTROLLED OR SUPPRESSED*

Barnyard Grass

Fall *Panicum*

Green foxtail

Old witchgrass

Quackgrass

Yellow foxtail

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

SLAM'R®

SELECTIVE HERBICIDE FOR POST-EMERGENT GRASSY WEED CONTROL.

A systemic post-emergent for your wheat acres, providing selective control of tough-to-kill grassy weeds including wild oats, green and yellow foxtail and Persian darnel.

Rapidly absorbed and translocated to growing points, stopping weed growth in as little as 48 hours.

Low product dosage rates makes handling a breeze.

Compatible with a wide variety of herbicide partners offering broad-spectrum weed control in wheat.

Active Ingredient
Clodinafop-popargyl

Formulation
240 g/L EC

Chemical Group
Group 1

Case Contents
1 x 3.68 L clodinafop-
propargyl + Albaugh surfactant

KEY CROPS

Spring wheat (including durum)

CROP STAGING

Prior to the emergence of the 4th tiller

WEED STAGING

Barnyard grass

1- to 5-leaf stage on main stem

For optimum control apply before tillering, and while barnyard grass is actively growing.

Foxtail (green, yellow)

1- to 5-leaf stage on main stem

For optimum control apply prior to emergence of the 3rd tiller, and while foxtail is actively growing.

Persian darnel

1- to 5-leaf stage on main stem

For optimum control apply before tillering, and while persian darnel is actively growing.

Voluntary canary seed

1- to 6-leaf stage on main stem, prior to emergence of 4th tiller.

Volunteer oats (tame)

3- to 6-leaf stage on main stem, prior to emergence of 4th tiller.

Wild oats

1- to 6-leaf stage on main stem, prior to emergence of 4th tiller.

RATE

93-117 mL/ac

Albaugh surfactant: 0.25% v/v or 0.25 L per 100 L of spray solution

Water volume: minimum 20 L per acre

SUPPORTED TANK MIXES

Herbicides

2,4-D amine, Ally[®], Audible[®], Brox™ M, Brox™ 240EC, Dicamba, Dichlorprop/2,4-D, Draft[®], Fluro Star[®] Max, Fluro Star[®] D, Infinity[®], Juggernaut™, MCPA amine, MCPA ester, Plotter[®], Pixxaro[®], Pulsar[®], Refine[®] SG, Target[®], Trophy[®], Spur[®], Spur[®] 360

Insecticides

Decis[®], lambda cyhalothrin

Fungicides

Propiconazole

IMPORTANT: Always consult the label of tank-mix partner before use.

RESTRICTIONS*

Rainfall

Rainfall within 30 minutes of application may reduce efficacy.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

60 days for grain and straw and 30 days for hay.

Grazing restrictions

Observe a minimum of seven (7) days before grazing livestock on treated crops.



KEY WEEDS CONTROLLED*

Barnyard grass

Foxtail (green, yellow)

Persian darnel

Voluntary canary seed

Volunteer oats (tame)

Wild oats

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

SPUR[®] 360

**SELECTIVE HERBICIDE FOR POST-EMERGENT
BROADLEAF WEED CONTROL.**

Strong tool for control of Canada thistle and other broadleaf weeds in many key crops.

Trusted formulation with excellent crop safety.

Many tank-mix partner options to tailor your application needs.

Active Ingredient

Clopyralid

Formulation

360 g/L liquid concentrate

Chemical Group

Group 4

Case Contents

2 x 8.9 L

KEY CROPS

Wheat, barley, oats, canola, flax, sugar beets, pasture and rangeland, seedling and established grasses for seed production and forage

RATES & STAGING

Barley, spring wheat, oats (western Canada only)

0.17 to 0.23 L per acre at 3 leaf to flag leaf emergence

Flax

0.23 to 0.34 L per acre when 2 to 4 inches (5 to 10 cm) in height

Sugar beets

0.23 to 0.34 L per acre from cotyledon to 8-leaf stage

Canola

0.17 to 0.34 L per acre at 2- to 6-leaf stage

Established grasses

Shot blade, fall (after harvest), or early spring

Water volume: Minimum 40 L per acre.



SUPPORTED TANK MIXES

Spring wheat, barley, oats

MCPA ester or amine, florasulam and MCPA ester.

Spring wheat and barley

2,4-D ester or amine, Achieve®, Assert®, Axial®, fenoxaprop, Audible®, Draft®, Starane®II

Spring wheat

Clodinafop, flucarbazone

Glyphosate-tolerant canola

Glyphosate

Clearfield® canola

Odyssey®

Canola

Clethodim

Flax

Clethodim, MCPA ester or amine, Poast® Ultra

IMPORTANT: Always consult the label of tank-mix partner before use.



RESTRICTIONS*

Rainfall

Avoid application when heavy rain is forecast.

Grazing restrictions

No restrictions.

DO NOT use manure from animals fed or bedded with Spur® 360 treated straw except on fields that are to be sown to Spur® 360 tolerant crops.

Aerial application

DO NOT apply by air.

KEY WEEDS CONTROLLED OR SUPPRESSED*

Alsike clover

Canada thistle

Common groundsel

Common ragweed

Perennial sow-thistle (top growth)

Scentless chamomile

Volunteer alfalfa

Vetch

Wild buckwheat

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

SPUR[®]-M

A TRUSTED FORMULATION FOR TOUGH TO CONTROL BROADLEAF WEEDS IN CEREALS AND FLAX.

Easy-to-use formulation for superior post-emergent broadleaf weed control.

Multiple tank-mix options to provide exceptional, extended control.

Active Ingredients

Clopyralid +
MCPA (present as
2-ethylhexyl ester)

Chemical Group

Group 4

Formulation

50 g/L + 280 g/L EC

Case Contents

2 x 8 L jug

KEY CROPS

Wheat (spring, durum, winter), barley, oats, flax

STAGING

Wheat (spring, durum, winter), barley, oats

Apply to wheat (spring, durum), barley and oats from 3-leaf to just before flag leaf. Apply to winter wheat in the spring from the 3-tiller stage to just before the flag leaf stage.

Flax (including low linolenic acid varieties)

Apply to the flax when the crop is 5 to 15 cm tall. Early spraying will reduce the risk of crop injury.

NOTE: Some delay in maturity and crop injury may result in flax from the use of the high rate but any potential yield reductions will usually be more than offset by increased yields due to better weed control.



RATE

600 mL per ac (low rate) or 800 mL per ac (high rate)

Water volume: Minimum 40 L per acre

SUPPORTED TANK MIXES

Spring wheat, durum wheat, and barley

Assert[®], tralkoxydim, Fluro Star[®]

Spring wheat and barley

Pinoxaden

Spring wheat

Varro[®], Traxos[®], Simplicity[®], fenoxaprop, clodinafop

Flax

Poast[®] Ultra, clethodim

IMPORTANT: Always consult the label of tank-mix partner before use.

RESTRICTIONS*

Rainfall

Avoid application when heavy rain is forecast.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Grazing restrictions

DO NOT cut or graze treated fields of wheat, barley, oats or flax within 7 days after application.

Pre-harvest interval

Do not harvest wheat, barley, oats or flax within 60 days after application, or within 7 days after application when harvesting for forage.

KEY WEEDS CONTROLLED OR SUPPRESSED*

Burdock
Canada thistle
Cocklebur
Dandelion
Flixweed
(spring rosettes 2-4 leaf)
Field horsetail
Lamb's quarters
Mustard, wild
Prickly lettuce
Radish, wild
Ragweed
Redroot pigweed
Shepherd's purse
(spring rosettes only)
Sow-thistle
(annual and perennial)
Stinkweed
(spring rosettes)
Volunteer canola
Volunteer sunflower

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.



 **SELECTIVE HERBICIDE**

VOLTA[®]

**FOR POST-EMERGENT
BROADLEAF WEED CONTROL.**

Economical broadleaf weed control and easy-to-use packaging.

An excellent tank-mix partner option for soybean fields.

Provides an additional mode of action to help control tough to kill weeds with no added re-cropping restrictions.

Low-dose rate chemistry.

Active Ingredient

Thifensulfuron-methyl

Formulation

75% WDG

Chemical Class

Sulfonylurea

Case Contents

10 x 324 g bottle

KEY CROPS

Soybeans, wheat, barley, oats, Clearfield** canola

RATES & STAGING

Barley, wheat (including durum and winter), oats

8 g per acre - 2-leaf up to flag leaf stage.

Clearfield**

8 g per acre - add NIS such as Agral[®] 90 or Ag-Surf[®] at 0.2 L per 100 L of spray solution at 3 to 6 leaf stage but prior to bolting.

Soybeans

2.2 g to 3.2 g per acre from first fully expanded trifoliolate leaf to before soybeans have initiated flowering. Add NIS such as Agral[®] 90 or Ag-Surf[®] at 0.1 L per 100 L of spray solution.



Water volume: Minimum 100 L per acre spray volume, or 40 L per acre (10 gallons/acre)

SUPPORTED TANK MIXES

Spring wheat, barley, and oats

MCPA amine

Spring wheat and barley

Pinoxaden*, fenoxaprop*

Spring wheat only

Simplicity® GoDRI®, flucarbazone, clodinafop recommended adjuvant*

Soybeans

Assure® II plus Sure-Mix***, Basagran® plus Assist® adjuvant*, Basagran® Forté*, Assure® II plus Basagran® Forte plus Sure-Mix® adjuvant*, glyphosate

**Addition of NIS is not required for these tank mixes*

IMPORTANT: Always consult the label of tank-mix partner before use.

RESTRICTIONS*

Rainfall

Avoid application when heavy rain is forecast - rainfall within 8 hours of application may reduce efficacy.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

Leave 60 days between application and harvest.

Grazing restrictions

Wheat, barley and oats must not be grazed or fed to livestock within 7 days of application. Do not graze or feed treated soybeans.



KEY WEEDS CONTROLLED*

Weeds should be less than 10 cm tall and/or wide.

Soybeans only at 2.2 g per acre:

Lady's thumb
Redroot pigweed
Wild mustard

Soybeans only at 3.2 g per acre:

Lamb's quarters
Velvetleaf

Cereals and Clearfield canola only at 8 g per acre:

Annual smartweed (green, lady's thumb)
Hemp nettle
Lamb's quarters
Russian thistle
Corn spurry
Cow cockle
Chickweed (1 to 6 leaf)
Redroot pigweed
Stinkweed
Volunteer canola (not Clearfield or SU tolerant)
Wild buckwheat (1 to 3 leaf)
Wild mustard

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.

 **SELECTIVE HERBICIDE**

WARLOCK®

**IMPORTANT COMPONENT OF INTEGRATED
VEGETATION MANAGEMENT PROGRAMS DESIGNED
TO RENOVATE OR RESTORE DESIRED PLANTS.**

Provides pre- and post-emergent control of emerging seedlings of susceptible weeds and re-growth of certain perennial weeds following application.

Provides long-term control of susceptible weeds, when applied according to labeled directions.

Compatible in tank-mix with other labeled brush-control herbicides.

Active Ingredient

Aminopyralid

Formulation

240 g/L solution

Chemical Group

Group 4

Case Contents

4 x 3.1 L

KEY CROPS

Rangeland and permanent pasture

RATES & STAGING

Make only one application per year for control of invasive plants. For best results, invasive plants should be treated when they are actively growing and under conditions favourable for growth. Warlock® also provides pre-emergent control of germinating seeds and control of emerged seedlings of susceptible plants following application.

Only one application per growing season is permitted.



RATE

0.10 to 0.20 L/ac

Water volume: Minimum 40L per acre for ground application and 7.7L per acre for aerial applications

SUPPORTED TANK MIXES

2,4-D ester

2,4-D amine

Plotter® (metsulfuron-methyl)

Arsenal® herbicide

Glyphosate

Torpedo® EZ

IMPORTANT: Always consult the label of tank-mix partner before use.



RESTRICTIONS*

Rainfall

Avoid application when heavy rain is forecast.

Re-entry interval

DO NOT enter or allow worker entry into treated rangeland and pastureland areas for 12 hours after application.

Pre-harvest/grazing intervals

There is no restriction on livestock or lactating dairy animals grazing in treated areas. Allow 3 days of grazing on an untreated pasture (or feed untreated hay) before transferring livestock to areas where sensitive broadleaf crops may be grown.

KEY WEEDS CONTROLLED*

Absinth (wormwood)

Canada goldenrod

Canada thistle

Clover

Common ragweed

Common tansy

Curly dock

Dandelion

Diffuse knapweed

Fleabane

Fuller's teasel

Hairy buttercup

Horsenettle

Nodding thistle

Orange hawkweed

Oxeye daisy

Perennial sowthistle

Prickly lettuce

Purple loosestrife

Russian knapweed

Scentless chamomile

Scotch thistle

Spotted knapweed

Tall buttercup

Tansy ragwort

Yellow star thistle

* Refer to label for full list of weeds controlled, complete application guidelines and restrictions.



PAVISE® 480

Broad spectrum fungicide with activity on tough to control diseases like *Sclerotinia* and *Fusarium* head blight.

Wide window of application.

Strong active ingredient for a wide range of crops important to Canadian crop production.

Active Ingredient

Prothioconazole

Formulation

480 g/L SC

Chemical Group

Group 3

Case Contents

2 x 5.1 L

KEY CROPS

Barley, borage, *Brassica carinata*, bushberries, canola, chickpeas, crambe, low growing berries (except strawberries), corn, flax (linseed), lentils, oats, oriental mustard, peanut, rapeseed, safflower, soybean, sugar beet, sunflower, wheat and certain other small grains.

RATES AND STAGING

Septoria leaf blotch, tanspot, leaf rusts (wheat), net blotch, scald, spot blotch (barley), crown rust (oats), foliar rusts (proso millet, crown millet, rye, triticale)

125 mL - Apply as a preventative foliar spray when the earliest disease symptoms appear. A second application may be made after 7 days (wheat, barley, oats only).

FHB & glume blotch - wheat

125-170 mL - for optimum suppression of *Fusarium* head blight or 170 mL control of glume blotch, apply within the time period from when at least 75% of the wheat heads on the main stem are fully emerged to when 50% of the heads on the main stem are in flower. Use the higher rate when disease pressure is expected to be high or to provide the highest level of mycotoxin reduction.

FHB - barley

125-170 mL - for optimum suppression of *Fusarium* head blight, apply as a preventative spray within the time period when 70 to 100% of the barley main stem heads are fully emerged, to 3 days after full head emergence. Use the higher rate when disease pressure is expected to be high or to provide the highest level of mycotoxin reduction.

***Sclerotinia* stem rot (canola, rapeseed, oriental mustard, and flax)**

Apply 125 to 150 mL at 20-50% bloom (prior to petal drop). Use higher rate if heavy disease pressure or if dense crop stand.

Frogeye leaf spot (soybeans)

Apply 85 mL when first disease symptoms are found or when the risk of infection is imminent.

***Ascochyta* blight (chickpea)**

Apply 125 to 170 mL at first sign of disease.
Repeat applications at 10-14 day intervals to a max of 3 applications.

***Ascochyta* and white mould (lentils)**

Apply 125 to 170 mL at first sign of disease.
Repeat applications at 10-14 day intervals to a max of 2 applications.

***Sclerotinia* head rot (sunflower, safflower)**

Apply 170 mL when the crop is in 10 to 50% disk flower bloom stage.

SUPPORTED TANK MIXES

Wheat and barley

Tebuconazole

IMPORTANT: Always consult the label of tank-mix partner before use.

RESTRICTIONS*

Re-entry interval

DO NOT re-enter treated fields for 24 hours or 3 days for hand-line irrigation in cucurbits and bushberries, and 20 days for hand-harvesting sweet corn and for detasseling seed corn.

Pre-harvest restrictions

30 days for wheat (spring, durum and winter), barley, oats, pearl millet, proso millet, rye, triticale, teosinte, buckwheat

36 days for canola, rapeseed, oriental mustard, *Brassica carinata*, flax (linseed), crambe, borage

14 days for corn (field, sweet, popcorn)

20 days for soybean

7 days for bushberry, cucurbit vegetables, sugar beets

45 days for low growing berries, sunflowers, safflower

KEY DISEASES CONTROLLED OR SUPPRESSED*

Ascochyta blight
Asian soybean rust
Brown rust
Crown rust
Eyespot
Frogeye leaf spot
Fusarium ear rot
Fusarium head blight
Gibberella ear rot
Glume blotch
Leaf rust
Leaf spot
Net blotch
Northern blight
Rhizoctonia
Rusts
Scab
Scald
Sclerotinia
Speckled leaf blotch
Spot blotch
Tan spot

* Refer to label for full list of diseases controlled, complete application guidelines and restrictions.

 **FUNGICIDE**

RACLOS[®]

Easy-to-use, broad-spectrum fungicide that delivers a high level of disease control and plant health.

Premium protection of diseases in pulse crops.

Multiple tank-mix options provide flexibility and extended control.

Active Ingredient

Pyraclostrobin

Formulation

250 g/L EC

Chemical Group

Group 11

Case Contents

2 x 9.75 L

KEY CROPS

Wheat, barley, canola, corn, oats, rye, pulses and many more.



RATE

120 mL to 240 mL per acre

Water volume: Ground: 40 L per acre minimum except potato and sugar beet where 80 L per acre minimum is recommended. **Aerial:** 20 L per acre minimum. Do not apply more than 0.16 L/ac Raclos® by aerial application.

SUPPORTED TANK MIXES - Herbicides

Canola

Poast® Ultra, clethodim

Clearfield canola

Odyssey®, Ares®, Solo®, clopyralid

Glufosinate-tolerant canola

Liberty® 150

Glyphosate-tolerant canola

Glyphosate

SUPPORTED TANK MIXES - Fungicides

Canola and chickpeas

Lance®

Potatoes

Chlorothalonil, mancozeb

IMPORTANT: Always consult the label of tank-mix partner before use.

RESTRICTIONS*

Rainfall

Avoid application when heavy rain is forecast.

Pre-harvest interval

Cereals: apply no later than the end of flowering. Corn: 7 days. Edible podded legumes and succulent shelled bean and pea: 7 days. Grasses (grown for seed): 14 days. Potato: 3 days. Dry bean, field pea, faba bean and lentil: 30 days. Soybean, canola, canola quality Brassica juncea, mustard (oilseed and condiment), sunflower and flax: 21 days. Sugar beet: 7 days.

Grazing restrictions

DO NOT feed alfalfa hay for forage to livestock. All other crops can be grazed or fed to livestock. DO NOT graze treated corn crops within 6 days of last application.

Re-cropping restrictions

Immediate plant back for listed crops. A plant-back restriction of 14 days is required for all crops not on the label.

KEY DISEASES CONTROLLED OR SUPPRESSED*

Anthracnose

Ascochyta blight

Blackleg

Black spot

Crown rust

Downy mildew

Early and late blight

Leaf rust

Mycosphaerella blight

Net blotch

Pasmo

Powdery mildew

Scald

Septoria leaf blotch

Spot blotch

Stripe rust

Tan spot

* Refer to label for full list of diseases controlled, complete application guidelines and restrictions.



RAZOR™ 250 SC

Foliar protection against Anthracnose and *Ascochyta* in pulses.

Plant health benefits.

Potato in-furrow application to protect against *Rhizoctonia* and black scurf.

Active Ingredient

Azoxystrobin

Formulation

250 g/L SC

Chemical Group

Group 11

Case Contents

4 x 3.78 L

KEY CROPS

Dry bean, chickpea, faba bean, lentil, field pea, soybeans, canola, corn, potatoes

RATES AND STAGING

Anthracnose or *Ascochyta* blight (dry bean, chickpea, faba bean, lentil, field pea)

Apply 200 mL/ac before disease is established and no later than the onset of flowering. A second application can be made 10-14 days later.

White mould suppression (lentil)

Apply 200 mL/ac before disease is established and no later than the onset of flowering. A second application can be made 10-14 days later.

***Mycosphaerella* blight or powdery mildew (field peas)**

Apply 200 mL/ac before disease is established and no later than the onset of flowering. A second application can be made 10-14 days later.

Powdery mildew or *Cercospora* leaf spot (soybeans)

Apply 200 mL/ac at the R1 to R3 stage, or when 5% disease in the field; make a second application 14 days later.

Blackleg (canola)

Apply 200 mL/ac at the 2- to 6-leaf stage.

***Sclerotinia* stem rot and *Alternaria* black spot suppression (canola)**

Apply 280 to 400 mL/ac at early bloom stage (prior to 30% bloom). For *Alternaria* control (canola) - apply 200 mL/ac at pod stage (90% bloom).

***Rhizoctonia* stem rot, stolon canker, black scurf, silver scurf (potato)**

Apply 4 to 6 mL per 100m row once as an in-furrow treatment.

SUPPORTED TANK MIXES - Herbicides

Propiconazole
Matador*

IMPORTANT: Always consult the label of tank-mix partner before use.

RESTRICTIONS*

Re-entry interval

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours following application.

Pre-harvest restrictions

30 days for canola

15 days for field peas, dry beans, lentils, chick peas and other legume vegetables

1 day for foliar potato applications

7 days for seed, sweet and field corn



KEY DISEASES CONTROLLED OR SUPPRESSED*

Alternaria black spot

Blackleg

Asian rust

Powdery mildew

Cercospora leaf spot

Ascochyta blight

Mycosphaerella blight

Anthracnose

Sclerotinia

Early blight

Late blight

Black dot

Soilborne Diseases

Rhizoctonia stem canker

Rhizoctonia stolon canker

Black scurf

* Refer to label for full list of diseases controlled, complete application guidelines and restrictions.



STARPRO[®]

Trusted formulation with easy-to-use packaging.

Broad-spectrum systemic fungicide for control of a wide range of diseases on wheat (spring, winter and durum), barley and triticale (spring and winter).

Will help protect the crop from yield and quality losses due to disease.

Active Ingredients

Prothioconazole +
tebuconazole

Chemical Group

Group 3

Chemical Class:

Triazole

Formulation

125 g/L + 125 g/L EC

Case Contents

2 x 6.5 L

KEY CROPS

Wheat (spring, winter, durum), barley, triticale (spring and winter)

CROPS AND STAGING

Barley, wheat, triticale

324 mL per acre for suppression of *Fusarium* head blight

Barley

Apply as a preventative spray within the time period when 70 to 100% of barley heads on the main stem are fully emerged to 3 days after full head emergence.

Wheat & triticale

Apply as a preventative spray within the time period when 75% of heads on the main stem are fully emerged to when 50% of heads on the main stem are in flower.

Wheat, triticale

Control of leaf and glume blotch, tan spot, rusts, and powdery mildew

Triticale, barley

Control of spot blotch

Barley

Control of net blotch, spot blotch, scald, leaf blotch and rusts (leaf, stem and stripe)

RATE

324 mL per acre

Water volume: Minimum 40 L per acre ground application, minimum 20 L per acre aerial application



RESTRICTIONS*

A maximum of 1 application per crop season.

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

Leave 36 days between application and harvest.

Grazing restrictions

MUST NOT be grazed or fed to livestock for 6 days after treatment.



KEY DISEASES CONTROLLED OR SUPPRESSED*

Fusarium head blight
Leaf blotch
Net blotch
Powdery mildew
Rusts (leaf, stem, stripe)
Scald
Spot blotch
Tan spot

* Refer to label for full list of diseases controlled, complete application guidelines and restrictions.

 **FUNGICIDE**

TOLEDO™ 250EW

Superior formulation. Does not require any additional surfactants.

Application window is flexible from early vegetation through to flowering.

Broad-spectrum protection against a wide range of yield robbing diseases.

Provides a strong economic return potential by increasing yield, quality and grade.

A rate range to tailor your application, based on the disease presence, pressure and the weather conditions.

Active Ingredient

Tebuconazole

Formulation

250 g/L emulsion in water

Chemical Group

Group 3

Case Contents

2 x 8.1 L

KEY CROPS

Wheat (spring, winter, durum), barley, oats, rye, triticale, canary seed, soybeans



RATES & STAGING

Wheat (including spring, winter and durum)

202 mL per acre for *Septoria* glume blotch, *Fusarium* head blight (scab) - suppression only
Apply when at least 75% of the wheat heads on the main stem are fully emerged and 50% of the heads on the main stem are in flower.

152 to 202 mL per acre for tan spot, *Septoria* leaf blotch, leaf rust, stem rust, stripe rust
Apply at the first sign or very early stage of disease up to the end of flowering stage.

202 mL per acre for powdery mildew

Barley

152 to 202 mL per acre for net blotch, spot blotch, scald, leaf rust, stem rust, stripe rust, *Septoria* leaf blotch, powdery mildew
Use higher rate when weather conditions are conducive for disease.

Oats

152 mL per acre for crown rust, stem rust

Soybean

152 to 202 mL per acre for Asian soybean rust, frog-eye leaf spot, powdery mildew
Apply when first symptoms of disease can be found or when risk of infection is imminent.
Use higher rate when disease pressure is severe.

Water volume: Minimum 40 L per acre or 10 gal per acre. Spray coverage is essential for optimal efficacy. Spray equipment must be set to provide good coverage to entire heads (e.g. forward and backward mounted nozzles that have a two-directional spray).

RESTRICTIONS*

Re-entry interval

DO NOT re-enter treated fields for 12 hours.

Pre-harvest interval

20 days for soybeans and 36 days for all other crops.

Grazing restrictions

MUST NOT be grazed or fed to livestock for 6 days after treatment.



KEY DISEASES CONTROLLED OR SUPPRESSED*

Asian soybean rust

Crown rust

Frogeye leaf spot

Fusarium head blight

Net blotch

Powdery mildew

Rusts (leaf, stem, stripe)

Scald

Septoria leaf blotch

Septoria glume blotch

Speckled leaf blotch

Spot blotch

Tan spot

* Refer to label for full list of diseases controlled, complete application guidelines and restrictions.



280 Midpark Way SE #112,
Calgary, AB T2X 1J6 Canada
www.albaugh.com/ca

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