



2026 CROP PROTECTION PRODUCTS

TABLE OF CONTENTS

GLYPHOSATE

VECTOR® 540	4
-------------	---

PRE-SEED HERBICIDES

CONVEX	5
GOVERNOR	6
OCTAGON®	7

CO-OP PRIVATE BRAND CROP PROTECTION

At Co-op, we continue to expand our portfolio of private brand crop protection products, filling crucial market gaps at competitive prices.

We understand what our growers need because we're in the field with them. Our lineup of 24 herbicides, fungicides, adjuvants and more is built to meet the real challenges farmers face every day. Plus, most of our products include in-field performance support – if a product doesn't meet expectations, a CO-OP® Grow Team member will work with them to establish the cause and decide on a course of action.

Keep reading to learn more about Co-op's existing private brand crop protection products and discover new ones. Then, speak to your local Co-op Agro Team to determine which are best for your farm.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

CO-OP® design, CO-OP®, VECTOR®, PATRON COMPLETE® and AGZONE® ®Registered trademarks of Federated Co-operatives Limited
REVLOX™, TRANQUIL™, HOT AQ™, FORTAREX™ and AGZONE FIELD™ ™Trademark of Federated Co-operatives Limited
BOLSTER®, BROTEX®, CONTENDER®, C-ZONE®, OCTAGON® and PIVOT® ®Registered Trademarks of Interprovincial Cooperative Limited
All others are trademarks of their respective companies.

GRAMINICIDES

AVANT	8
CONTENDER® II	9
PATRON COMPLETE®	10
TRANQUIL™	11

BROADLEAF HERBICIDES

BROTEX® 4AT	12
EMIT	13
EXHILARATE	14
FORTAREX™	15
MCPA ESTER 600	16

OCTTAIN XL	17
REVLOX™	18
STATE	19
2,4-D ESTER 700	20

NUTRITION

NUTRIMYR	21
----------	----

FUNGICIDES

JURY	22
PIVOT®	23

DESICCANTS

BOLSTER® II	24
HOT AQ™	25

ADJUVANTS

SURFACTANT NI	26
CO-OP DG	27





HIGHLY-CONCENTRATED FORMULATION OF GLYPHOSATE FOR NON-SELECTIVE WEED CONTROL IN MOST CROP SYSTEMS.

ACTIVE INGREDIENT: Glyphosate, present as potassium salt

GROUP: 9

PACKAGING: 2 x 10 L, 115 L, 450 L, 800 L

RAINFAST: 1 hour

REGISTERED CROPS:

Canola*, corn*, soybeans*, sugar beets*, pre-harvest, pre-seed,

post-harvest, chemfallow, vegetation management uses.

*Only varieties with glyphosate tolerance

APPLICATION RATE:

0.2–1.89 L/acre (10–100 acres/case). Select rate based on weed and weed stage that falls within rates registered for crop or use pattern.

TANK MIX OPTIONS:

Various tank mix options available depending on crop or use pattern, please see label for more details.

WATER VOLUME:

Ground Application:

5–10 gal/acre

Aerial Application: 2–5 gal/acre (pre-harvest only)

STORAGE:

May be frozen

TANK MIX ORDER:

When used in a tank mix, consult product label(s) and use W.A.M.L.E.G.S guidelines.

KEY WEEDS CONTROLLED*

- | | | | |
|----------------------|----------------------------------------------|------------------------------|---------------------|
| • Alfalfa | • Downy brome | • Lamb's-quarters | • Shepherd's purse |
| • Annual sow thistle | • Field bindweed | • Narrow-leaved hawk's-beard | • Smooth bromegrass |
| • Barnyard grass | • Flixweed | • Night-flowering catchfly | • Smooth pigweed |
| • Canada fleabane | • Foxtail barley | • Perennial sow thistle | • Stinkweed |
| • Canada thistle | • Green foxtail | • Persian dandelion | • Stork's-bill |
| • Chickweed | • Green smartweed | • Prickly lettuce | • Volunteer cereals |
| • Cleavers | • Hemp-nettle | • Quackgrass | • Volunteer flax |
| • Corn spurry | • Japanese knotweed | • Ragweed | • Volunteer mustard |
| • Crabgrass | • Kochia (non-glyphosate resistant biotypes) | • Redroot pigweed | • Wild mustard |
| • Curled dock | • Lady's thumb | • Round-leaved mallow | • Wild oats |
| • Dandelion | | • Russian thistle | • Wormwood |

Please see label for additional pasture weeds controlled. *Ensure appropriate rate is selected based on weed type and weed stage

PRO TIPS

- Always test water source as hard water or water with iron/manganese will reduce weed control. When needed, add water conditioner for best results
- It is recommended to always use a tank mix partner to delay weed resistance • Dust on leaves or heavy frost prior to application may reduce control
- Always follow crop staging on label for pre-harvest application



FAST, FLEXIBLE PRE-SEED WEED CONTROL FOR CEREALS, SOYBEANS AND CORN. A KEY RESISTANCE MANAGEMENT TOOL.

ACTIVE INGREDIENT:

Carfentrazone and
2,4-D Ester 700

GROUP: 4 & 14

PACKAGING: 1.2 L C-ZONE®
and 2 x 8.2 L 2,4-D Ester 700

RAINFAST: 1 hour

REGISTERED CROPS:

Prior to seeding: barley, corn, rye,
soybean, wheat (durum, spring,
winter)

APPLICATION RATE:

15 mL/acre of C-Zone +
205 mL/acre 2,4-D Ester.
(80 acres/case)

APPLICATION TIMING:

Pre-seeding or up to 3 days
after seeding

TANK MIX OPTIONS:

Glyphosate

WATER VOLUME:

Ground application:
5–10 gal/acre (increased efficacy
at 10 gal/acre)

STORAGE:

May be frozen

TANK MIX ORDER:

1. C-Zone
2. 2,4-D Ester
3. Glyphosate

KEY WEEDS CONTROLLED*

- Annual sow thistle
- Common ragweed
- Lamb's-quarters
- Mustards (except
dog mustard)
- Narrow-leaved hawk's-beard
- Prickly lettuce
- Redroot pigweed
- Russian pigweed
- Sweet clover (seedling)
- Wild buckwheat
- Wild radish

* Refer to product label for detailed rate and weed staging information

PRO TIPS

- Avoid leaving spray solution in tank overnight
- Do not use with products that will adjust pH of spray solution
- Maintain continuous agitation
- Clean tank with ammonia based product
- Effective on emerged and actively growing weeds only



GOVERNOR

EXTENDED CONTROL OF KOCHIA AND OTHER TOUGH BROADLEAF WEEDS.

ACTIVE INGREDIENT:

Sulfentrazone

GROUP: 14

PACKAGING: 4 x 3.79 L jug

ACTIVATION: ½" or (10–20 mm)
rainfall required

REGISTERED CROPS:

Field peas, flax, sunflowers,
soybeans, chickpeas, faba bean,
wheat (spring and durum)
at a low rate

APPLICATION RATE:

88 mL–118 mL/acre
(32–43 acres/jug)

APPLICATION TIMING:

Pre-seed up to 3 days after
seeding or applied in fall

TANK MIX OPTIONS:

Express SG + Glyphosate (wheat),
Imazethapyr (field peas only),
Aim EC + Glyphosate

WATER VOLUME:

10 gal/acre

STORAGE:

Do not freeze

TANK MIX ORDER:

Fill spray tank one-half to two-thirds
full of water. With agitator operating,
add the recommended amount of
ingredients using the W.A.M.L.E.G.S
guidelines.

KEY WEEDS CONTROLLED*

- Cleavers (suppression)
- Lamb's-quarters
- Kochia
- Redroot pigweed
- Russian thistle (suppression)
- Water hemp
- Wild buckwheat

*Refer to product label for detailed rate and weed staging information

PRO TIPS

- Requires ½" of rain for activation
- Do not apply to coarse-textured soils
- Do not apply on soils with a pH of 7.8 or higher
- Do not apply to fine-textured soils with less than 1.5% organic matter
- Do not apply to soils with organic matter content greater than 6%
- When applying in fall, apply when the average soil temperature is below 10°C and above freezing
- Do not mechanically incorporate in fall or spring. This can destroy the herbicide barrier, reducing performance and weed control



GLYPHOSATE ADDITIVE FOR PRE-SEED CONTROL OF HERBICIDE-RESISTANT WEEDS BEFORE CANOLA.

ACTIVE INGREDIENT:

Bromoxynil and Carfentrazone

GROUP: 6 & 14

PACKAGING: 1 x 2.4 L C-Zone
and 2 x 9.7 L B4AT

RAINFAST: Minimum 2 hours

REGISTERED CROPS:

Canola (prior to seeding)

APPLICATION RATE:

15 mL/acre of C-Zone +
121 mL/acre of 4AT
(160 acres/case)

TANK MIX OPTIONS:

Glyphosate

WATER VOLUME:

Ground application only:
10 gal/acre

STORAGE:

Do not freeze

TANK MIX ORDER:

C-Zone, Brotex 4AT, Glyphosate

KEY WEEDS CONTROLLED*

- Annual sow thistle
- Chickweed
- Dandelion
- Flixweed
- Kochia ** (up to 5 cm)
- Lamb's-quarters
- Narrow-leaved hawk's-beard
- Russian thistle
- Shepherd's purse
- Smartweed
- Tall waterhemp
- Volunteer canola (all biotypes)
- Wild buckwheat

*When tank mixed with glyphosate. Refer to product label for detailed rate and weed staging information

**Including group 2, 4 and 9 resistant biotypes

PRO TIPS

- For best results, spray in the heat of the day
- Octagon is a contact herbicide and must be applied directly on growing weeds for effective results
- Always use with glyphosate
- For best efficacy apply 5 hours before rainfast
- If dealing with large kochia or heavy infestations increase carfentrazone to 35 mL



AVANT

EARLY GRASSY WEED CONTROL IN WHEAT AND BARLEY.

ACTIVE INGREDIENT:

Pinoxaden

GROUP: 1

PACKAGING: 9.7 L Avant + 11.3 L IPCO MSO adjuvant & 168 L (77.6 L + 90.4 L).

RAINFAST: 1 hour

REGISTERED CROPS:

Barley, durum wheat and spring wheat

APPLICATION RATE:

161–283 mL/acre Avant + 0.5% v/v surfactant (34–60 acres/case)

TANK MIX OPTIONS:

State, Buctril M, Spectrum, Frontline XL, Trophy, Infinity, Refine SG, Curtail M, Prestige, 2,4-D Ester, Thumper, Tilt, MCPA (amine, ester)

*apply tank-mix partner to registered crops only

WATER VOLUME:

Ground application:

5–10 gal/acre

Aerial application: 3 gal/acre

STORAGE:

May be frozen

TANK MIX ORDER:

If a broadleaf tank-mix partner is being used, add the tank-mix partner in the tank first, agitate, add Avant, agitate, then add the required amount of surfactant

KEY WEEDS CONTROLLED*

- Barnyard grass
- Green foxtail
- Persian darnel
- Proso millet
- Volunteer canary seed
- Volunteer oats
- Wild oats
- Yellow foxtail

*Refer to product label for rate and weed staging information

PRO TIPS

- For best results, apply to actively growing weeds, ideally in the 1–4 leaf stage, prior to 4 tillers
- Re-tillering may occur if application is made during prolonged stress conditions
- Maximum 1 application per year
- Allow 30 day pre-harvest interval prior to cutting for hay
- Allow 60 day pre-harvest interval prior to harvest of grain or straw
- Allow 7 day post application interval prior to grazing



CONTENDER® II

**CONTROL OF ANNUAL AND PERENNIAL GRASSES IN CANOLA, FLAX AND PULSES,
AND EXCELLENT CONTROL OF FOXTAIL BARLEY.**

ACTIVE INGREDIENT:

Quizalofop P-ethyl

GROUP: 1

PACKAGING:

1 x 8 L, 1 x 8 L IPCO MSO Adjuvant
or Drums, 192 L (96 L + 96 L).

RAINFAST: 1 hour

REGISTERED CROPS:

Alfalfa (for seed), camelina,
canola, canola-quality brassica
juncea, chickpeas, creeping red

fescue (for seed), dry beans,
established alsike clover (for seed),
established red clover (for seed),
faba beans, flax, lentils, mustard,
narrow leaf lupin, peas, seedling
legume (for seed), soybeans, sugar
beets, sunflowers

APPLICATION RATE:

0.15–0.3 L/acre of Contender II
+ 0.5 L per 100 L spray solution
of IPCO MSO adjuvant.
(26–53 acres per case)

TANK MIX OPTIONS:

Ally, Basagran, Basagran Forté,
Express SG, Muster, Pinnacle,
Liberty 150 SN

*apply tank-mix partner to
registered crops only

WATER VOLUME:

Ground application:
10 gal/acre (use higher rate to
improve coverage)

Aerial application:
(3–5 gal/acre)

STORAGE:

Do not freeze

TANK MIX ORDER:

Add tank mix partner first
(except Basagran Forté) followed
by Contender herbicide, then
adjuvant (add Basagran Forté after
Contender but before adjuvant)

KEY WEEDS CONTROLLED*

- Barnyard grass
- Downy brome
- Foxtail barley
- Green foxtail
- Japanese brome
- Quackgrass
- Volunteer barley
- Volunteer corn
- Volunteer oats
- Volunteer wheat
- Wild oats
- Yellow foxtail

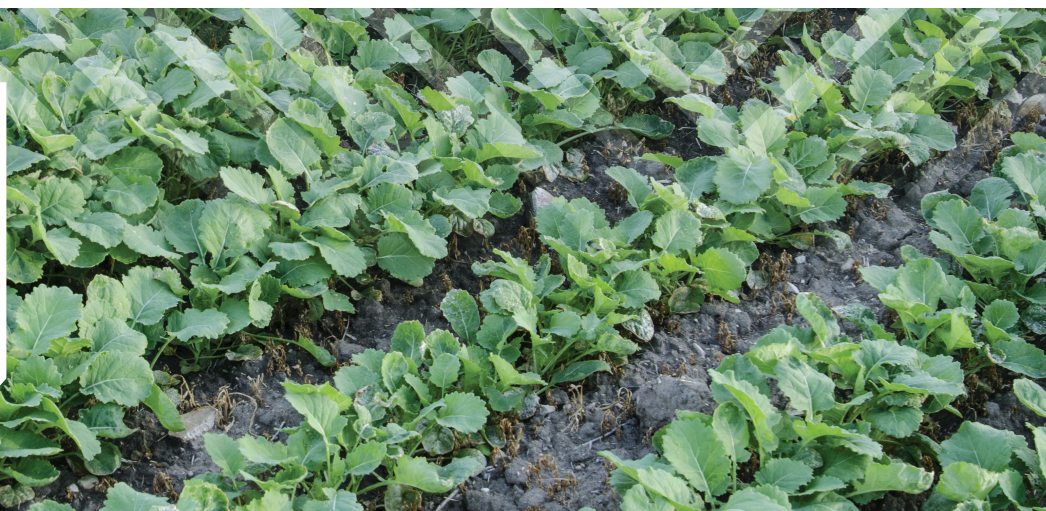
*Refer to product label for detailed rate and weed staging information

PRO TIPS

- Use 50 mesh screens or larger. A spray pressure of 210–275 kPa (30–40 psi) is recommended. Avoid overlapping. Shut off spray booms while starting, turning, slowing or stopping to prevent overapplication
- Use spray preparation of Contender II herbicide within 24 hours or product degradation may occur. If spray preparation is left without agitation, thoroughly agitate before using
- Do not apply when environmental conditions such as wind speed, temperature, relative humidity, etc. are favourable for drift to occur
- For the majority of weeds, apply at the 2- to 3-leaf stage for optimum control
- Wide window of application



**PATRON
COMPLETE®**



BROAD-SPECTRUM GRASSY WEED CONTROL IN CANOLA, FLAX AND PULSES WITH COMPLETE FORMULATION.

ACTIVE INGREDIENT: Clethodim

GROUP: 1

PACKAGING: 2 x 6 L

RAINFAST: 1 hour

REGISTERED CROPS:

Alfalfa (seedling), canola,
chickpeas, coriander, dry beans,
faba beans, fenugreek, field peas,
flax, lentils, mustard, potatoes,
soybeans, sunflowers

APPLICATION RATE:

101–303 mL/acre of Patron
Complete (40–120 acres/case)

TANK MIX OPTIONS:

MCPA Ester, Lontrel, Pursuit,
Mustar, Liberty, Interline,
Buctril M, Curtail M, Lier
Glufosinate, Glyphosate

WATER VOLUME:

10 gal/acre

STORAGE:

May be frozen

TANK MIX ORDER:

Fill clean spray tank half full with
clean water. Start the agitation
system. Add the required amount
of the tank mix partner. When tank
mixing Facet L herbicide, add
Facet L first, agitate and then add
the correct amount of Liberty
150SN or Interline herbicide.

Continue to agitate. Add the correct
amount of Patron Complete along
with the remaining amount of water
necessary to fill the spray tank.

KEY WEEDS CONTROLLED*

- Barnyard grass
- Crabgrass (smooth and large)
- Fall panicum
- Foxtail barley
- Green foxtail
- Japanese brome
- Persian darnel
- Quackgrass
- Volunteer barley
- Volunteer canaryseed
- Volunteer corn
- Volunteer oats
- Volunteer wheat
- Wild oats
- Witchgrass
- Yellow foxtail

*Refer to product label for detailed rate and weed staging information

PRO TIPS

- If there is a delay in the spraying operation, agitate the mixture thoroughly before continuing
- Do not allow the mixture to sit overnight
- If tank mixing, always follow label directions for each tank-mix partner
- Clethodim activity may be reduced by levels of bicarbonates over 500 ppm in the water
- The addition of ammonium sulphate (AMS) at 1% v/v will overcome high bicarbonates in water
- Shake well before using



NEW

DELIVERING SUPERIOR PERFORMANCE WITH ELITE GRASS AND BROADLEAF WEED CONTROL — AND NO RE-CROPPING RESTRICTIONS.

ACTIVE INGREDIENT:

Pyroxsulam

GROUP: 2

PACKAGING: 2 x 8 L TRANQUIL™
+ 2 x 1.5 L water conditioner

RAINFAST: 2 hours

REGISTERED CROPS:

Wheat

APPLICATION RATE:

40 ac/jug (80 ac/case)

TANK MIX OPTIONS:

State, Prestige, Stellar, REVLOX™, PIVOT®, Tilt, Refine SG, Buctril, Curtail, PP-2525, PP-3317

WATER VOLUME:

Ground: 25–40 L/ac
Aerial: 12 L/ac (minimum)

STORAGE:

Do not freeze

TANK MIX ORDER:

1. Fill sprayer tank halfway with water, continue filling while adding products.

2. Start and maintain agitation throughout the filling process.
3. Add 1.5 L of water conditioner per jug of Tranquil.
4. Add required amount of Tranquil to the tank.
5. If required, add the correct amount of tank mix partner* and continue to agitate.
6. Top up with water to achieve 25–40 L/ac.

7. Add non-ionic surfactant at 0.25% v/v (0.25 L per 100 L of solution) if Tranquil is being sprayed alone.

8. Follow directions and proper sprayer cleaning procedures.

***Note:** Add only the adjuvant recommended. Follow tank mix partner label for order of mixing.

KEY WEEDS CONTROLLED*

- Barnyard grass
- Canada thistle
- Chickweed
- Cleavers
- Corn spurry
- Cow cockle
- Downy brome (spring or fall application)
- Flixweed
- Green foxtail
- Hemp nettle
- Persian darnel
- Redroot pigweed
- Round-leaved mallow
- Russian thistle
- Shepherd's purse
- Smartweed
- Stinkweed
- Volunteer canola (excluding Clearfield)
- White cockle
- Wild buckwheat
- Wild oats
- Yellow foxtail

* Refer to product label for detailed rate and weed staging information

PRO TIPS

- Do not use any product or surfactant with an acidifier with Tranquil; use Agral90 or AgSurf Original
- Proper sprayer cleanout – don't let the sprayer sit; immediately clean it out with a detergent followed up by flush/finish (ammonia-based cleaner)
- Use higher water volume for higher weed pressure



BROTEX®4AT



CONCENTRATED CONTROL OF BROADLEAF WEEDS.

ACTIVE INGREDIENT: Bromoxynil
480 g/L

GROUP: 6

PACKAGING: 2 x 9.7 L

RAINFEST: 1 hour

REGISTERED CROPS:

Barley, canary seed, corn, fall rye, alfalfa (for seed production only), flax (including low linolenic acid varieties), forage, millet, forage sorghum, oats, seedling grasses,

triticale, wheat (spring, winter). Pre-seed prior to canola and chemfallow (requires glyphosate tank-mix).

APPLICATION RATE:

240 mL/acre–280 mL/acre
(70–80 acres/case)

TANK MIX OPTIONS:

2,4-D (Amine or Ester), Liquid Achieve, MCPA (Amine, Ester) and Glyphosate required for pre-seed and chemfallow applications.

*apply tank-mix partner to registered crops only.

WATER VOLUME:

Ground application:
10–30 gal/acre

Aerial application:
2–4 gal/acre

STORAGE:

May be frozen. If frozen, bring to room temperature and agitate before use.

TANK MIX ORDER:

If tank mixing with MCPA, 2,4-D, or atrazine, add tank-mix partner prior to Brotex 4AT. For other tank-mixes, add Brotex 4AT to the tank first, followed by the tank-mix partner and last, any surfactant required by the tank-mix partner.

KEY WEEDS CONTROLLED*

- American nightshade
- Annual smartweed
- Bluebur
- Buckwheat (tame, Tartary, wild)
- Cocklebur
- Common groundsel
- Common ragweed
- Cow cockle
- Kochia
- Lamb's-quarters
- Pigweed
- Russian thistle
- Stinkweed
- Volunteer canola
- Wild mustard

*Refer to product label for detailed rate and weed staging information

PRO TIPS

- When tank mixing with MCPA; ester formulations of MCPA are preferred but other formulations can be used
- Do not graze within 30 days of application
- Avoid spraying if temperatures are greater than 25°C
- Leaf scorching may occur in corn and flax if applied during or after adverse growing conditions, such as cool and wet or hot and humid weather
- For best results spray weeds at 4-leaf stage or smaller
- Seedling grasses (for seed production) include Brome grass, Wheat grass (crested, intermediate, slender, tall), Russian Wild Rye, Timothy, Orchard Grass, Creeping Red Fescue, Meadow Fescue and Reed Canary Grass
- Spray water containing silt and organic matter can reduce performance



EMIT

CONTROL OPTION FOR KOCHIA, HEMP-NETTLE, CHICKWEED AND VOLUNTEER CANOLA IN CEREAL CROPS.

ACTIVE INGREDIENT: Fluroxypyr,
Bromoxynil and MCPA Ester 600

GROUP: 4 & 6

PACKAGING: 2 x 10 L

RAINFAST: 1 hour

REGISTERED CROPS:
Wheat (spring, durum and winter),
Barley, Oats, Canaryseed and
Bromegrass for seed.

APPLICATION RATE:
250–500 mL/acre
(40–80 acres/case)

TANK MIX OPTIONS:
Avant, Nufarm Tralkoxydim,
Achieve Liquid, Cordon, Puma
Advance, Signal, Axial, Everest 3.0,
Varro, Simplicity

*apply tank mix partner to
registered crops only

WATER VOLUME:
Ground Application:
5–10 gal/acre

STORAGE: Do not freeze

TANK MIX ORDER:
Half fill the tank with clean water.
Add the required amount of Co-op
Emit and agitate thoroughly. Add
tank mix partners. Fill the tank
and agitate again before use.

KEY WEEDS CONTROLLED*

- American nightshade
- Ball mustard
- Bluebur
- Buckwheat (Tartary and Common)
- Canada thistle (top growth only)
- Chickweed
- Cleavers
- Cocklebur
- Common groundsel
- Common ragweed
- Cow cockle
- Flixweed
- Hemp nettle
- Kochia
- Lady's thumb
- Lamb's-quarters
- Night flowering catchfly
- Russian thistle
- Scentless chamomile
- Shepherd's purse
- Smartweed (green and pale)
- Stinkweed
- Stork's-bill
- Velvet leaf
- Volunteer canola
- Volunteer flax
- Volunteer sunflower
- Wild buckwheat
- Wild mustard

*Refer to product label for detailed rate and weed staging information

PRO TIPS

- Use the 250 mL/acre rate only when the weeds are smaller and have lighter infestation of weeds
- For best control, target weeds before the 6-leaf stage
- For optimum performance apply in temperatures between 12°C to 24°C. Reduced activity will occur when temperatures are below 8°C or above 27°C
- Frost 1–3 days before application or shortly after may reduce weed control and crop tolerance
- Weed control may be reduced during stress conditions, or if weeds have initiated flowering



EXHILARATE



CONTROL OPTION FOR COMMON BROADLEAF WEEDS IN WHEAT AND BARLEY.

ACTIVE INGREDIENT: Halauxifen, Florasulam and MCPA Ester

GROUP: 2 & 4

PACKAGING: 1 x 0.8 kg of Exhilarate A and 2 x 7.5 L Co-op MCPA Ester 600

RAINFAST: 2 hours

REGISTERED CROPS:

Spring wheat, durum wheat, winter wheat, barley

APPLICATION RATE:

10 g/acre Exhilarate A + 189 mL/acre MCPA Ester 600 (80 acres/case)

TANK MIX OPTIONS:

Avant, Simplicity, Simplicity Go-Dri, Tandem, Axial, Everest 3.0

*Use any surfactant required for tank-mix partner.

WATER VOLUME:

Ground application only:
5–10 gal/acre

STORAGE:

Do not freeze

TANK MIX ORDER:

Exhilarate A, grass control tank mix partner, MCPA Ester, any adjuvant or surfactant required.

(Simplicity–Agral 90 (.25%v/v); Everest 3.0–Ag Surf or Agral 90 (.25%v/v))

KEY WEEDS CONTROLLED*

- Annual sow thistle
- Barnyard grass
- Canada fleabane
- Canada thistle
- Chickweed
- Cleavers
- Common ragweed
- Cow cockle
- Dandelion
- Flixweed
- Green smartweed and lady's thumb
- Hemp-nettle
- Kochia
- Lamb's-quarters
- Narrow-leaved hawk's-beard
- Night-flowering catchfly
- Perennial sow thistle
- Redroot pigweed
- Round-leaved mallow
- Scentless chamomile
- Shepherd's purse
- Stinkweed
- Stork's-bill
- Velvetleaf
- Volunteer alfalfa
- Volunteer canola
- Volunteer flax
- White cockle
- Wild buckwheat
- Wild mustard

* Refer to product label for detailed rate and weed staging information

PRO TIPS

- Great rotational option when dealing with group 2 resistant broadleaf weed biotypes
- Apply from 3-leaf stage to just prior to flag leaf emergence



EARLY APPLICATION ON A BROAD SPECTRUM OF WEEDS AND SUPERIOR KOCHIA CONTROL.

ACTIVE INGREDIENT:

Thifensulfuron, Tribenuron,
Fluroxypyr and MCPA Ester

GROUP: 2 & 4

PACKAGING: 1 x 320 g Fortarex
A, 1 x 5 L Fluro Star, 1 x 7.6 L
MCPA Ester 600

RAINFAST: 2 hours**REGISTERED CROPS:**

Wheat (spring, winter or durum),
Barley, Oats

APPLICATION RATE:

40 acres/case

TANK MIX OPTIONS:

Assert, Axial, Avant, Everest,
Puma, Simplicity

WATER VOLUME:

10 gal/acre

STORAGE:

Do not freeze

TANK MIX ORDER:

Fill the spray tank ½ full with
clean water while agitating.
Add Fortarex A and agitate. Next,
add Fluro Star and agitate. Add
MCPA Ester 600 and agitate.
Follow W.A.M.L.E.G.S. guideline
for additional products.

KEY WEEDS CONTROLLED*

- Canada thistle
- Cleavers
- Common chickweed
- Cow cockle
- Dandelion
- Flixweed
- Hemp-nettle
- Kochia
- Lamb's-quarters
- Narrow-leaved hawk's-beard
- Night-flowering catchfly
- Redroot pigweed
- Russian thistle
- Round-leaved mallow
- Scentless chamomile
- Smartweed
- Sow thistle
- Stinkweed
- Stork's bill
- Volunteer canola
- Volunteer flax
- White cockle
- Wild buckwheat
- Wild mustard

*Refer to product label for detailed rate and weed staging information

PRO TIPS

- Use 50 mesh filter screens or larger. A spray pressure of 210–275 kPa (30–40 psi) is recommended. Avoid overlapping. Continuous agitation required
- Use spray preparation of Fortarex herbicide within 24 hours or product degradation may occur
- Maximum one application per year
- Use ammonia-based cleaning solution to clean out the tank after use
- Allow 60 day pre-harvest interval prior to harvest of grain or straw



ESTER 600

POST-EMERGENT BROADLEAF HERBICIDE IN SPRING WHEAT, BARLEY, RYE, OATS AND FLAX.

ACTIVE INGREDIENT: MCPA

GROUP: 4

PACKAGING: 2 x 10 L, 115 L and 450 L

RAINFAST: 2 hours

REGISTERED CROPS:

Barley, established grasses and forage legumes (alfalfa, alsike and

red clover), flax, oats, rye (spring, fall), bare ground, wheat (spring, winter, durum)

APPLICATION RATE:

Annual crops: 235–425 mL/acre (46–86 acres/case)

Forage grass and pasture:

235–665 mL/acre (30–86 acres/case)

TANK MIX OPTIONS:

Use tank-mix partners only when they are registered.

WATER VOLUME:

Ground application: 5–10 gal/acre

Aerial application:

3 gal/acre

STORAGE: May be frozen

TANK MIX ORDER:

When used in a tank mix, consult product label(s) and use W.A.M.L.E.G.S. guidelines.

KEY WEEDS CONTROLLED*

- Annual sow thistle
- Biennial wormwood
- Bluebur
- Canada thistle
- Cocklebur
- Common plantain
- Common ragweed
- Corn spurry
- Curled dock
- Dandelion
- Field bindweed
- Field horsetail
- Flixweed
- Giant ragweed
- Goat's beard
- Hedge bindweed
- Hemp-nettle
- Kochia
- Lady's thumb
- Lamb's-quarters
- Leafy spurge
- Oak-leaved goosefoot
- Perennial sow thistle
- Prickly lettuce
- Purslane
- Ragweed
- Redroot pigweed
- Russian knapweed
- Russian thistle
- Shepherd's purse
- Smartweed
- Stinkweed
- Sweet clover
- Tartary buckwheat
- Vetch
- Wild mustards
- Wild radish
- Wild (annual) sunflower

Please see label for additional pasture weeds controlled. *Refer to product label for detailed rate and weed staging information

PRO TIPS

- For annual cereals and forage grasses, apply from the 3-leaf stage up to flag leaf
- For flax, apply after 2 inches in height and prior to budding. For maximum crop safety, apply between 2–4 inches in height
- For forage legumes apply at the 1–2 trifoliate stage
- May also be applied for vegetation management purposes on non-crop land
- Allow 7 days prior to harvesting forage
- Maximum one application per year of this and other products containing the active ingredient MCPA/MCPB



OcTTain XL

EASY-TO-USE NEW LEVEL OF BROADLEAF WEED CONTROL FOR KOCHIA AND WILD BUCKWHEAT IN WHEAT, BARLEY AND DURUM.

ACTIVE INGREDIENT:

2,4-D Ester and Fluroxypyr

GROUP: 4

PACKAGING: 2 x 9 L, 108 L and 576 L

RAINFAST: 1 hour

REGISTERED CROPS:

Spring wheat, winter wheat, durum wheat, barley, smooth bromegrass*, meadow bromegrass*, Timothy*, crested wheatgrass*, intermediate

wheatgrass*, creeping red fescue*, tall fescue*

*seedling and established for seed production only

APPLICATION RATE:

450 mL/acre (40 acres/case)

TANK MIX OPTIONS:

Simplicity, Fenoxaprop (Bengal WB, Cordon, Vigil WB), Tralkoxydim (Liquid Achieve, Bison, Nufarm Tralkoxydim liquid), Clodinafop (Ladder 240EC, Slam'R, Signal), 2,4-D Ester

*use any surfactant required for tank-mix partner.

WATER VOLUME:

Ground application:

5–10 gal/acre

Aerial application:

3–5 gal/acre

STORAGE:

Avoid freezing. If frozen, bring to room temperature and agitate thoroughly.

TANK MIX ORDER:

Add grassy tank-mix partner first** followed by OcTTain followed by any adjuvant / surfactant if required.

** Fenoxaprop and Traxos tank mix partners should go in the tank after OcTTain

KEY WEEDS CONTROLLED*

- Cleavers (1–8 whorls)
- Flixweed
- Hemp-nettle
- Kochia (group 2 and 9 resistant)
- Lamb's-quarters
- Round-leaved mallow
- Shepherd's purse
- Stinkweed
- Stork's-bill
- Volunteer canola (all biotypes)
- Volunteer flax
- Wild buckwheat (1–6 leaf)
- Wild mustard

*Refer to product label for detailed rate and weed staging information

PRO TIPS

- Spring crops apply from 4-leaf to emergence of flag leaf
- Winter wheat apply from 3 tiller stage to just prior to flag leaf stage
- For maximum performance apply between 12–24°C
- 60 day pre-harvest interval



FLEXIBILITY AND PEACE OF MIND FOR BROADLEAF CONTROL IN ALL CEREALS.

ACTIVE INGREDIENTS: Fluroxypur, Florasulam and MCPA Ester

GROUPS: 2 & 4

PACKAGING: 2 x 8.1 L

RAINFAST: 2 hours

REGISTERED CROPS:

Barley, oats, spring wheat and durum wheat

APPLICATION RATE:

405 mL/acre (40 acres/case)

TANK MIX OPTIONS:

Avant, Axial, Assert, Everest, Sierra, Simplicity, GoDRI

WATER VOLUME:

Ground Application: 5–10 gal/acre

STORAGE:

Avoid freezing. If frozen, bring to room temperature and agitate thoroughly.

TANK MIX ORDER:

When mixing, you will use step 4 or step 6, but not both.

1. Fill tank half full of water and begin agitation.

2. If water conditioner is required, add now.

3. Add any tank-mix partners that are a dry formulation.

4. If using an oil dispersible grassy weed tank-mix partner, add now.

5. Add the required amount of Revlox.

6. Add the required amount of grassy weed tank mix partner if not using an oil dispersible formulation.

7. Add any required adjuvant or surfactants and complete water fill.

NOTE: Do not mix undiluted herbicides in the chem-handler

KEY WEEDS CONTROLLED*

- Burdock
- Chickweed
- Cleavers
- Cocklebur
- Common ragweed
- Flixweed
- Hemp-nettle
- Kochia
- Lamb's quarters
- Plantain
- Prickly lettuce
- Redroot pigweed
- Russian pigweed
- Shepherd's purse
- Smartweed
- Stinkweed
- Vetch
- Volunteer canola
- Volunteer flax
- Wild buckwheat
- Wild mustard
- Wild radish

*Refer to product label for detailed rate and weed staging information

PRO TIPS

- No cropping restrictions
- Do not cut the treated crop for hay or graze treated crop within 7 days after application
- Do not harvest the treated crop within 60 days after application



STATE

SUPERIOR CONTROL OF HARD TO CONTROL BROADLEAF WEEDS LIKE THISTLES, CLEAVERS AND KOCHIA.

ACTIVE INGREDIENT: Fluroxypyr, Clopyralid and MCPA Ester

GROUP: 4

PACKAGING: 2 x 10 L

RAINFAST: 6 hours

REGISTERED CROPS:

Spring wheat, durum wheat, winter wheat, barley and oats. Seedling and established (grown for seed only): Creeping red fescue, intermediate wheat grass,

crested wheat grass, meadow brome grass, smooth brome grass and Timothy.

APPLICATION RATE:
500 mL/acre (40 acres/case)

TANK MIX OPTIONS:
Avant, Simplicity, Assert 300 SC, Everest 70 WDG or Everest Solupak 70 DF and Puma Advance.

WATER VOLUME:
Ground Application: 5–10 gal/acre

STORAGE:

Do not freeze

TANK MIX ORDER:

1. Fill tank half full of water and begin agitation.
2. Add the required amount of Co-op State.
3. Fill tank to desired volume of water. Maintain sufficient agitation in the spray tank

during mixing and spraying to ensure a uniform spray mixture.

4. Follow sprayer directions and precautions, especially when applying next to sensitive crops (e.g., canola and legumes).
5. Follow sprayer clean-up directions as listed.

KEY WEEDS CONTROLLED*

- Burdock ragweed
- Canada thistle (low infestations)
- Cleavers (1–8 whorls)
- Cocklebur
- Field horsetail **
- Flixweed (rosettes only)
- Kochia ***
- Lamb's-quarters
- Prickly lettuce
- Shepherd's purse
- Stinkweed
- Stork's-bill (1–8 leaf)
- Vetch
- Volunteer flax
- Volunteer sunflower (1–12 cm)
- Wild buckwheat (1–8 leaf)
- Wild mustard **
- Wild radish

* Refer to product label for detailed weed and staging information

** Top growth control only

*** Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme

PRO TIPS

- Pre-harvest interval is 60 days
- Performance may be reduced at temps less than 8°C and above 27°C
- On forage crops, use 10–20 gal/ac water volume
- Do not permit grazing within 7 days after application
- Do not apply later than flag-leaf emergence stage
- Best results are obtained from applications made to seedling weeds

2,4-D

ESTER 700

POST-EMERGENT BROADLEAF HERBICIDE IN SPRING WHEAT, BARLEY, RYE AND WINTER WHEAT.

ACTIVE INGREDIENT: 2,4-D

GROUP: 4

PACKAGING: 2 x 10 L, 115 L and 450 L

RAINFAST: 2 hours

REGISTERED CROPS:

Barley, wheat (spring, winter), established pasture grass, grass

crops for forage and seed, rye (spring, fall), sod and turf

***APPLICATION RATE:**

227–283 grams ae/acre

*crop dependant

Established forages

426 grams ae/acre

Established pastures

907 grams ae/acre

TANK MIX OPTIONS:

Express SG, Refine SG, Ally

*other products may have 2,4-D tank-mix options on their label

WATER VOLUME:

Ground application:

5–10 gal/acre

Aerial application:

3 gal/acre

STORAGE:

May be frozen

TANK MIX ORDER:

When used in a tank mix, consult product label(s) and use W.A.M.L.E.G.S guidelines.

KEY WEEDS CONTROLLED*

- Annual sow thistle
- Biennial wormwood
- Bluebur (up to 4-leaf stage)
- Canada thistle
- Chickweed
- Common ragweed
- Curled dock
- Dandelion
- Field bindweed
- Field horsetail
- Flixweed
- Goat's beard
- Hawkweed
- Hemp-nettle
- Knotweed
- Lady's thumb
- Lamb's-quarters
- Narrow-leaved hawk's-beard
- Peppergrass
- Perennial sow-thistle
- Pineapple weed
- Plantain
- Prickly lettuce
- Prostrate pigweed
- Purslane
- Redroot pigweed
- Russian knapweed
- Russian thistle
- Shepherd's purse
- Smartweed
- Stinkweed
- Sweet clover (seedling)
- Volunteer canola
- Volunteer sunflower
- Wild buckwheat
- Wild mustards
- Wild radish
- Wild (prairie) sunflower

Please see label for additional pasture weeds controlled.

*Refer to product label for detailed rate and weed staging information

PRO TIPS

- For annual cereals, apply from the 4-leaf stage up to just before flag leaf
- Allow 30 days prior to harvesting forage
- May also be applied for vegetation management purposes on non-crop land



**FOLIAR NUTRITION PRODUCT CONTAINING PLANT PEPTIDES TO IMPROVE
PLANT GROWTH AND INCREASE PLANT RESISTANCE TO STRESS.**

FERTILITY ANALYSIS:

5-15-5 1B

PACKAGING:

2 x 10 L

REGISTERED CROPS:

Canola, pulses and all cereals

APPLICATION RATE:

1–2 L/acre (10–20 acres/case)

TANK MIX OPTIONS:

Compatible with most products.

Recommend a jar test prior to
mixing with other products.

WATER VOLUME:

Ground application:

10–30 gal/acre

STORAGE:

Do not freeze

THE ADVANTAGES

- It stimulates the natural bioactivity of plants
- It enhances the effectiveness of fertilizer products
- Increase of yield and crop quality
- Increase plant resistance to stress

JAR TEST METHOD

Add 20 parts water to a glass jar with at least 1 L capacity, then add 1 part Nutrimyr and 1/3 part of the product to be tank-mixed.

Shake well and allow it to stand for at least 5 minutes.

Observe to determine if any flocculation, separation, precipitation or unusual settling occurs.

PRO TIPS

- Nutrimyr is suitable for use on all crops. Application rates and timing must be established based on the nutrient requirements of the crop. For specific recommendations, please contact a Grow Team Advisor
- Preferred application timing is with herbicide at 1 to 2 L per acre. A second application can be applied with fungicide at 1 to 2 L per acre for additional benefit
- Fertigation/Foliar applications: 1 to 4 L per acre during the growth cycle of the plant. Applications may be repeated up to four times per growing season
- Starter fertilizer applications: 1 to 2 L per acre can be applied in furrow with starter fertilizer program
- Always add Nutrimyr to the mixture last and always rinse the chem handler with water before adding Nutrimyr



JURY

FUSARIUM AND LEAF PROTECTION IN WHEAT AND BARLEY WITH AN ADDED PUNCH OF PEPTIDES.

ACTIVE INGREDIENTS:

Prothioconazole + Tebuconazole +
Myr2435

GROUP: 3

PACKAGING: 6.48 L Jury A, 3.76 L
Jury B, 7 L Myr2425

RAINFAST: 1 hour

REGISTERED CROPS:

Wheat (spring, winter or durum),
Barley

APPLICATION RATE:

40 acres/case = 162 mL/ac
(Jury A) + 94 mL/ac (Jury B) +
175 mL/ac Myr2425

APPLICATION TIMING:

In Wheat: from 75% of heads on
main stem fully emerged to 50% of
heads on main stem are in flower.
In Barley: 70–100% of heads are
fully emerged on main stem to 3
days after full head emergence.

WATER VOLUME:

10–20 gal/ac (ground),
5 gal/ac (aerial)

STORAGE: Do not freeze

TANK MIX ORDER:

1. Fill tank ½ full
2. Add the required amount
of Jury B, then Jury A and
optional non-ionic surfactant

3. Fill tank to ¾ full

4. Flush lines of chem-handler
(if using one) to the main tank,
add required amount of Myr2425

5. Fill tank and agitate before use

KEY FEATURE

Peptides are key signalling compounds in plants, essential for water, nutrient and phytohormone management. During stress (heat, moisture, nutrient), plants halt growth to produce more peptides. Myr2425 in Jury supplements these peptides, supporting growth during the critical transition from vegetative to reproductive stages, enhancing nutrient efficiency.

DISEASES CONTROLLED

- Septoria leaf blotch
- Glume blotch
- Tan spot
- Leaf rust
- Stripe rust
- Powdery mildew
- Suppression of Fusarium head blight

ADDITIONAL BENEFITS

- Proper timing of application to maximize return and benefits
- Minimum 10 gal of water to ensure sufficient and uniform coverage
- Avoid applications in excessive hot dry conditions that exceed 28°C temperatures
- Angled fan nozzles or twin fan nozzles can improve head spray coverage. Boom height may need to be lowered with these nozzles for the best performance



PIVOT®

FUNGICIDE FOCUSED ON LEAF DISEASE MANAGEMENT IN CEREAL CROPS.

ACTIVE INGREDIENT:

Propiconazole

GROUP: 3

PACKAGING: 2 x 4.8 L

RAINFAST: 1 hour

REGISTERED CROPS:

Barley, canary seed, canola, corn,

dry beans, Kentucky bluegrass (grown for seed), oats, Timothy, wheat (spring, durum and winter)

APPLICATION RATE:

60–120 mL/acre (80–160 acres per case)

TANK MIX OPTIONS:

2,4-D Amine, 2,4-D Ester, MCPA

Amine, MCPA Ester, Badge, Buctril M, Horizon, Pardner, Bromotril, Matador, Silencer, Ripcord

*apply tank-mix partner to registered crops only

WATER VOLUME:

Ground application: 10 gal/acre

Aerial application: 4 gal/acre

STORAGE:

Do not freeze

TANK MIX ORDER:

When used in a tank mix, consult product label(s) and use W.A.M.L.E.G.S guidelines.

DISEASES CONTROLLED

Crop	Key Diseases
Canary Seed	Septoria leaf mottle
Canola	Blackleg
Corn	Rusts, northern corn leaf blight, grey leaf spot
Dry Beans (including kidney, navy and white)	Rust
Kentucky Bluegrass (grown for seed)	Powdery mildew
Oats	Septoria leaf blotch, crown rust
Spring Barley	Net blotch, spot blotch, scald, powdery mildew, septoria leaf spot, leaf rust, stem rust
Soybeans (grown for seed)	Frogeye leaf spot
Winter Wheat and Spring Wheat (including Hard Red, Durum, Canada Prairie, Soft White)	Septoria leaf spot, septoria glume blotch, powdery mildew, leaf and stem rust, tan spot, stripe rust

PRO TIPS

- Do not apply with any herbicide tank mix on oats
- Should be applied proactively as a protective measure and will not control well-established disease
- Apply at the appropriate crop stage for target disease
- Maximum two applications per season



BOLSTER® II

DESICCANT THAT DELIVERS A FAST AND EFFECTIVE DRY DOWN FOR CANOLA, PULSES AND SOYBEANS.

ACTIVE INGREDIENT: Diquat

GROUP: 22

PACKAGING: 2 x 10 L, 115 L

RAINFAST:

15 minutes or when dry

REGISTERED CROPS:

Canola, chickpeas, dry beans, flax, legumes, lentils, mustard, peas, potatoes, soybeans, sunflowers.

TANK MIX OPTIONS:

Surfactant required

WATER VOLUME:

Ground application: 20–48 gal/acre

Aerial Application: 4 gal/acre

STORAGE:

Avoid freezing. If frozen, bring to room temperature and agitate

TANK MIX ORDER:

Add correct amount of Bolster II followed by non-ionic surfactant (0.1% v/v) or Surfactant NI (0.1–0.25% v/v).

REGISTERED CROPS AND RATE

Crop	Stage	Rate (L/acre)*	
		Ground	Aerial
Canola	90%+ of seed has turned brown	0.5–0.7	0.7–0.9
Chickpeas	Plants are yellow, pods mature, seeds changed colour and detached from pods	0.5–0.7	0.7
Flax	Spray when crop is at 75% boll turn stage	0.5–0.7	0.7–0.9
Legumes (alfalfa, birdsfoot trefoil, red clover and white clover)	Seed crops only. Apply when the majority of the pods of individual plants are ripe but before they shatter.	0.7–1.0	0.7–1.0
Lentils	Lowest pods are light brown and rattle when shaken	0.5–0.7	0.7–0.9
Peas	Bottom pods are ripe and dry, seeds detached from pods	0.5–0.7	0.7–0.9
Potatoes**	2 weeks prior to harvest	0.5–1.4	0.7–0.9
Soybeans, Dry Beans	Crop has lost 80–90% of leaves, and 80% of pods have turned yellow	0.5–0.7	0.7–0.9
Sunflowers	Spray when seeds reach maturity at 20–25% seed moisture (back of the head is yellow and the bracts are brown to the shoulder)	0.5–0.7	0.7–0.9

*Higher rate is recommended for best results. **Add surfactant only if top growth is fully mature with little to no weeds. One case treats 28–40 acres for ground applications.

PRO TIPS

- Large Kochia and high infestations will not dry down effectively
- Always use a Surfactant NI at a rate of 0.1–0.25% v/v spray solution when applying Bolster II
- Aerial application for potatoes may require a second application be applied 4–6 days after first application at 0.5 L/acre



HOT AQ™

NEW

**CLEAN FIELDS FROM START TO FINISH WITH DRY DOWN SPEED YOU CAN SEE
AND CONTROL YOU CAN TRUST.**

ACTIVE INGREDIENT:

Saflufenacil

GROUP: 14

PACKAGING:

1 x 1.727 L HOT AQ,

2 x 8.1 L Merge

RAINFEST: Determined by
tank mix partner

REGISTERED CROPS:

Pre-Seed: Cereals, corn,
field peas, lentils, soybeans

Pre-Harvest: Canola, wheat,
field peas, red lentils, soybeans

APPLICATION RATE:

Pre-Seed HOT AQ Rate by Crop:

Barley, canary seed, chickpeas,
corn, field peas, tame oats,
wheat (spring, winter,
durum) 21.5–59 mL/acre
Lentils 21.5 mL/acre
Soybeans 21.5–29.5 mL/acre
Chemfallow 21.5–59 mL/acre

All Applications:

Glyphosate (360g a.e) 0.5–1 L/acre
Merge adjuvant 200–400 mL/acre

Pre-Harvest:

One case treats 40 acres.
One tote treats 1,000 acres.
HOT AQ 43 mL/acre
Glyphosate (360g a.e) 1 L/acre
Merge 400 mL/acre

TANK MIX OPTIONS:

Glyphosate

WATER VOLUME:

Pre-Seed:

Ground Application: 5–10 gal/acre

Pre-Harvest:

Ground Application: 10 gal/acre

Aerial Application: 5 gal/acre

STORAGE:

Do not freeze

TANK MIX ORDER:

1. Fill clean spray tank 1/2 full of
clean water and start agitation.
2. Add the correct amount of
HOT AQ and continue to
agitate until mixed.

3. Add the correct amount of
glyphosate while continuing
agitation.

4. Add the correct amount of
Merge to the tank last.

5. Continue agitation while adding
the remaining amount of water.

6. Continue agitation or run the
by-pass system.

KEY WEEDS CONTROLLED*

- Canada fleabane
- Cleavers
- Dandelion
- Flixweed
- Kochia**
- Lady's thumb
- Lamb's-quarters
- Narrow-leaved hawk's-beard
- Perennial sow thistle
- Prickly lettuce
- Ragweed
- Redroot pigweed
- Round-leaved mallow
- Shepherd's purse
- Stinkweed
- Volunteer canola
- Wild buckwheat
- Wild mustard

*Refer to product label for detailed rate and weed staging information

** Including group 2 and 9 resistance Kochia biotypes

PRO TIPS

- As a contact herbicide, water volume is critical to perform (recommended 10 gallons)
- After a light frost, only spray the next day if at least 4 hours of 10°C are expected after spraying. For a heavier frost, wait 1 to 2 days, then assess plant damage. Weeds must be actively growing
- A rapid kill and dry down weed control product. Apply at proper crop stage
- Always mix Glyphosate with HOT AQ

DESICCANT | 25



SURFACTANT NI

NON-IONIC MULTI-FUNCTIONAL SURFACTANT THAT HELPS MAXIMIZE PESTICIDE PERFORMANCE, REDUCE DRIFT AND IMPROVE DROPLET DEPOSITION.

PACKAGING: 2 x 10 L

MAXIMIZE PESTICIDE

PERFORMANCE: Increases cuticle penetration, droplet spread and retention

HARVEST AID: Increases retention and uptake which may improve harvest dry down

pH ADJUSTER:

Conditions the mix water to reduce the pH and provides an environment that reduces degradation of pesticides that are more stable at a lower pH. Assists with weak acid herbicides by acidifying and buffering the pH

DEPOSITION AID/DRIFT REDUCTION:

Narrows the range of droplet sizes to aid in deposition on plant surfaces and reduce driftable fines. Reduces surface tension and improves wettability for increased uptake by the plant

STORAGE: May be frozen. Shake well before using

TANK MIX ORDER:

Add Surfactant NI as the last ingredient, unless it is being used as a pH adjuster. If using as a pH adjuster, add Surfactant NI after filling tank between one-third to one-half the desired water volume.

REGISTERED TANK MIXES AND RATES

Penetrating Co-op Surfactant NI can be tank-mixed with	Rate
Aim	0.25% v/v
Clodinafop	0.25% v/v
Diquat (Bolster II)	0.1% v/v
Imazethapyr	0.25% v/v
Glyphosate (Vector)	0.25–0.5% v/v
Reclaim II, Escort	0.2% v/v
Quizalofop (Contender II)	0.25–0.5% v/v
pH Adjuster/Acidifier	
Highly alkaline water with pH of 8.0 +	0.0625–0.125% v/v
Mildly alkaline/acid water with pH of 6.5 to 8.0	0.03–0.0625% v/v
Deposition AID and Drift Reduction	0.25–0.5% v/v

PRO TIPS

- Do not use Surfactant NI with Group 2 SU chemistries
- Contains an acidifier that can cause solution issues with SU herbicides like Simplicity



UTILITY MODIFIER DESIGNED TO REDUCE SPRAY DRIFT AND AID IN PESTICIDE DEPOSITION, PAIRS WELL WITH GLUFOSINATE AND CONTACT HERBICIDES.

PACKAGING: 2 x 10 L

DEPOSITION AID/DRIFT REDUCTION:

Enhances adhesion of droplets to the leaf surface. Reduce the number of drift prone drops by 50%

APPLICATION RATE:

80–120 mL/acre
(167–250 acres/case)

TANK MIX OPTIONS:

Surfactant DG can be mixed with any spray solution to reduce driftable fine droplets

and most commonly used with glyphosate and glufosinate products.

STORAGE:

Avoid freezing. If frozen, bring to room temperature and agitate

TANK MIX ORDER:

Under most situations add Surfactant DG as the last ingredient

PRO TIPS

- Apply at 80–100 mL/acre when spraying at 5 gal/acre
- Apply at 100–120 mL/acre when spraying at 10 gal/acre or more
- Designed to reduce the percentage of driftable fines without causing ultra-coarse droplets
- Low viscosity, will not thicken the spray mixture
- Last component added to the spray tank before filling with water



CROP PROTECTION PRODUCTS

Broadleaf Herbicides



Concentrated broadleaf weed control option.



Control option for common broadleaf weeds in wheat and barley.



Post-emergent broadleaf herbicide in spring wheat, barley, rye, oats and flax.



Flexibility and peace of mind for broadleaf control in all cereals.



Early application on a broad spectrum of weeds and superior kochia control.



Superior control of hard to control broadleaf weeds like thistles, cleavers and kochia.



Easy-to-use broadleaf weed control option for kochia and wild buckwheat in barley, wheat and durum.



Post-emergent broadleaf herbicide option in spring wheat, barley, rye and winter wheat.



Control option for kochia, hemp-nettle, chickweed and volunteer canola in cereal crops.

Graminicides



Control of annual and perennial grasses in canola, flax and pulses, and excellent control of foxtail barley.



Selective post-emergent herbicide for a broad spectrum of grassy weed control in canola, flax and pulses.



Early grassy weed control in wheat and barley.



Delivering superior performance with elite grass and broadleaf weed control – and no re-cropping restrictions.

Pre-seed Burn Down



Glyphosate additive for pre-seed control of herbicide-resistant weeds before canola.



Fast and flexible pre-seed weed control for cereals, soybeans and corn. A key resistance management tool.



Extended control of kochia and other tough broadleaf weeds.

Glyphosate



Highly concentrated formulation of glyphosate for non-selective weed control in most crop systems.

Adjuvants



Non-ionic multi-functional surfactant that helps maximize pesticide performance, reduce drift and improve droplet deposition.



Utility modifier designed to reduce spray drift and aid in pesticide deposition, pairs well with Glufosinate and contact herbicides.

Nutrition



Foliar nutrition product containing plant peptides to improve plant growth and increase plant resistance to stress.

Desiccants



Desiccant that delivers a fast and effective dry down for canola, pulses and soybeans.



Clean fields from start to finish with dry down speed you can see and control you can trust.

Fungicides



Fusarium and leaf protection in wheat and barley with an added punch of peptides.



Fungicide focused on leaf disease management in cereal crops.



Trusted Advisors

With expertise in soil science, plant nutrition and crop production, the Co-op Grow Team can provide crop input recommendations tailored to your farm, so you can make informed decisions from the beginning of seeding to harvest and beyond.



Data Driven Decisions

With Co-op AGZONE®, Grow Team members have access to a dynamic suite of digital solutions. AGZONE FIELD™ collects critical data such as crop plans, planting and yield records, remote imagery, soil data and more. It's a comprehensive agronomy tool designed to simplify your decision-making.



Customized Crop Solutions

Co-op Grow Team members work closely with farmers like you to customize crop plans and optimize output. By setting benchmarks, defining goals and guiding on all aspects of field management, the Grow Team partners with growers to improve production, profitability and soil health.



Extensive Private Brand Portfolio

Controlling weeds, disease pressure and harmful insects is a complicated business. Grow Team members have access to an extensive portfolio of Co-op private brand crop protection and biostimulant products, expertly designed to help growers optimize yields, without the premium price tag.



**HERE FOR
YOUR FARM.**

**HERE FOR
YOUR FAMILY.**



Helping Communities Grow

Co-op's strength lies in its connection to Western Canadian farming communities. We understand the importance of supporting our neighbours, offering trusted advice and personalized services to our ag customers. Building strong connections is essential to keeping communities vibrant and sustainable.



Keeping Profits Close To Home

Co-op is made of people from your community – your friends and neighbours – and we work hard to make things better right at home. Our profits stay in the communities where we operate. Whether that's through creating good jobs, giving back to local organizations, or providing returns to Co-op members like you, it's all part of what makes Co-op a different kind of business.

\$1.2B

**BACK TO MEMBERS
IN THE PRAIRIES**

SINCE 2020

\$1.1B

**INVESTED IN THE
PRAIRIES**

SINCE 2020

**Providing trusted advice.
Building communities. Sharing profits.**

