SPRAY THIS FALL AND OWN THE GROUND.

nufarm

FALL PRODUCT GUIDE

Evolving Ag

Evolving Ag. Practical Power.

EXPERTISE THAT HELPS YOU OWN THE GROUND.

At Nufarm, we don't just offer chemistry. We deliver the energy and focus today's farming demands. From pre-seed to in-crop, seed treatment to desiccation, our portfolio is primed for cereal, canola, pulse and soybean growers ready to own the ground with confidence. Because a stronger season starts with a stronger start.

PERFORMANCE-DRIVEN. PURPOSE-BUILT.

Every solution is built to work hard for your farm. With trusted actives, easy-to-use packaging, and performance you can count on, our products help you start clean, stay flexible, and deliver results where they matter most—in your field.

WE ARE NUFARM.

We're evolving agriculture by helping growers start stronger and stay ahead through trusted support, practical advice, innovative chemistry, and industry leadership that's always within reach.

Soil active herbicides

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Own the ground. Own the season.

Weeds show up early — and steal yield fast in the spring. Nufarm's soil active herbicides deliver broad-spectrum control across cereals and pulses, helping you manage resistance, stay flexible and lead the season instead of chasing it. Less in-season pressure. More flexibility when it counts.

Fierce MTZ (Group 5, 14, 15)*, **Fierce EZ** (Group 14, 15), **Bifecta EZ** (Group 5, 14)*, **Valtera Cereals** (Group 2, 14), **Valtera EZ** (Group 14) and **Astir** (Group 14) manage a wide range of weeds including Group 2-, 4- and glyphosate-resistant biotypes.

How do they work?

- When applied in the fall, soil active herbicides create a protective layer of herbicide that activates with spring moisture
- In the fall, soil active herbicides should be applied close to freeze up or when the soil temperature is below 10 °C
- While you're busy seeding, they can actively help control spring weeds as they emerge
- In the spring, the extended activity of these soil active herbicides can take out multiple flushes of weeds helping your crop get a head start

Fierce MTZ*

IN

CHICKPEAS
FIELD PEAS
LENTILS
SPRING WHEAT
FIELD CORN

FOR

cleavers, chickweed, kochia, lamb's-quarters, pigweed, wild buckwheat, wild oats and volunteer canola

Fierce EZ

IN

CHICKPEAS
FIELD PEAS
LENTILS
SOYBEANS
SPRING WHEAT
WINTER WHEAT

FOR

cleavers, chickweed, kochia, lamb's-quarters, pigweed, wild buckwheat and grassy weeds

Bifecta EZ*

IN

CHICKPEAS
FIELD PEAS
LENTILS
SOYBEANS
SPRING WHEAT
FIELD CORN

FOR

cleavers, chickweed, kochia, lamb's-quarters, pigweed and wild buckwheat

Valtera Cereals

IN

SPRING WHEAT
DURUM WHEAT
WINTER WHEAT

FOR

volunteer canola, kochia, cleavers, chickweed, wild buckwheat, wild mustard and more

* Fall application only.

Soil active herbicides help manage weed resistance

Soil active herbicides are a great addition to any weed management program. By reducing weed pressures early on, crops can get off to a strong start in the spring. With different active ingredients and application timings, soil active herbicides can help tackle troublesome resistant weeds and slow down the development of herbicide resistance.

Canada currently ranks third in the world – behind only Australia and the United States – for cases of herbicide resistance. This means farmers in western Canada should plan their herbicide application strategy around managing resistance.

While we can't prevent herbicide resistance, we can slow resistance development, so it's important we adhere to good stewardship practices. Soil active herbicides are an excellent addition to a resistance management strategy.

Add soil active herbicides to your resistance management toolbox

Fierce, Bifecta and Valtera brands provide extended weed control after activation to help manage early or late flushing weeds that have adapted their growth cycle based on historical practices. Remember weeds are smart and like routine, so changing up your application timing is one way to help slow resistant and adaptive populations.

Fierce® Bifecta® Valtera®

Fierce, Bifecta and Valtera deliver proven residual weed control options to help growers start the season clean. Fierce brands deliver both broadleaf and grass weed activity, while Bifecta and Valtera brands provide strong residual control of key broadleaf weeds. With multiple herbicide groups and unique active ingredients, these solutions give growers additional flexibility to rotate herbicide modes of action, support resistance management and tackle tough weed challenges across their fields.

Less in-season pressure.

More flexibility when it counts.

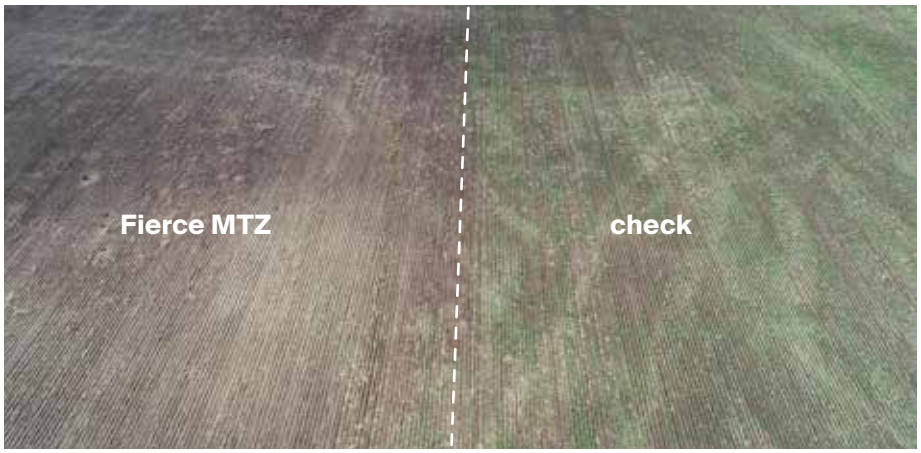
You don't need to overhaul your season.

Just upgrade your start.

Protecting fields early in the season with unique active ingredients can help make in-crop herbicide applications more effective and preserve their longevity. Weeds that germinate and escape in the spring will generally be smaller, less competitive, and more susceptible to an in-crop herbicide application. This helps reduce the amount of weed seed set back into the seedbank for future years. Reducing the overall weed population also means more moisture and nutrients for crops during critical growth stages and less green material during harvest.

So, if you have some challenging weeds, and you haven't already started, it's time to change it up with a soil active herbicide application in the fall or early in the spring before seeding.

Valtera and Fierce working in the field

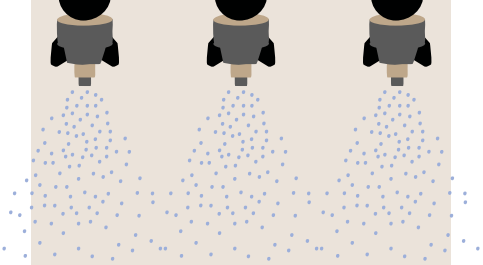


Fierce MTZ fall-applied ahead of lentils
Showing kochia control
Richmound, SK | June 2026

Fierce ahead of peas
Showing wild oat suppression
Hines Creek, AB | August 2021

Valtera fall-applied ahead of wheat
kochia control
Enchant, AB | August 2019

Fierce fall-applied ahead of lentils
kochia control and suppression of volunteer canola
Rosetown, SK | June 2021



Application tips***

- For best results, apply using a minimum of 10 gallons of water per acre
- In the fall, spray close to freeze up or when the soil temperature is below 10 degrees Celsius
- For fields with heavy emerged weed pressures, tank-mix BlackHawk® EVO, GoldWing® or glyphosate to manage weeds
- Leave a small checkstrip to see the weed control

***Consult the product labels for more information.

What are growers saying about Nufarm's soil active products?

"We had a serious kochia problem in this area, and we are finding Valtera is doing an excellent job of controlling kochia in our lentils. And we are able to grow lentils in certain fields that we couldn't in the past."

– Kache Miller, KJM Farms (Warner, AB)

"Fierce EZ worked really well on our farm. We left two check strips so we could tell the difference. It worked really well suppressing the canola, wild mustard, and it worked really well on the kochia as well."

– Megan Moore (Rosetown, SK)

What weeds are you controlling?

BROADLEAF + GRASS

Pulses + Wheat *excluding Durum*

FALL APPLICATION

- Fierce® MTZ (5, 14, 15) or Fierce® EZ (14, 15)

SPRING APPLICATION

- Fierce® EZ (14, 15)
  - LENTILS FALL ONLY

BROADLEAF ONLY

Pulses

- FALL APPLICATION
  - Bifecta® EZ (5, 14)
  - or
  - Valtera® EZ (14)
- SPRING APPLICATION
  - Valtera® EZ (14)

Cereals

- FALL APPLICATION
  - Bifecta® EZ (5, 14) WHEAT
  - or
  - Valtera® Cereals (2, 14) WHEAT
  - or
  - Valtera® EZ (14)
- SPRING APPLICATION
  - Valtera® Cereals (2, 14)
  - or
  - Valtera® EZ (14)

NUFARMER NATION

Join the 2027 Nufarmer Nation Grower Rewards Program and start saving up to 13% on Nufarm products.

Together, let's build a community of farmers striving to grow more bushels per acre in the most efficient way possible.

This program will go beyond simple rebates. Start saving now, and down the road receive exclusive access to member only events, early access to new technology, and fun Nufarmer Nation merchandise.

HOW IT WORKS.

STEP 1 Purchase a minimum of 160 acres of a soil active herbicide brand, CONQUER® II or Reata®.

STEP 2 Purchase any of the Nufarm products listed in the chart below to build purchase level goals*.

STEP 3 Save up to 13% on the Nufarm **QUALIFYING PRODUCTS** listed in the left hand column in the chart below.

Rewards earned on these **QUALIFYING PRODUCTS**	**PURCHASE LEVEL***			Increase your purchase level with **BUILDER PRODUCTS****
	$10,000–$49,999	**$50,000–$99,999**	**> $100,000**	
SEED TREATMENTS INTEGO® SUITE Cereals OF Zeltera® Cereals PRE-SEED BURNDOWN BlackHawk® EVO CONQUER® II GoldWing® Brands ThunderHawk® Brands	**SAVE 4%**	**SAVE 8%**	**SAVE 12%**	SOIL ACTIVE HERBICIDES Astir® Bifecta® EZ Fierce® Brands Rival® Brands Valtera® Brands IN-CROP HERBICIDES Curtail® M Enforcer® M Epic® II Idol® Nufarm Tralkoxydim Ransack® Reata® Signal® Brands Statue™ Venim® FUNGICIDE Quash® (4.8 L) MISC DriFast™
IN-CROP HERBICIDES Enforcer® D Oxbow® TruSlate® Pro FUNGICIDE Gauntlet®	**SAVE 4%**	**SAVE 6%**	**SAVE 8%**	

BROADLEAF BRANDS
Enforcer® Brands
Oxbow®
TruSlate® Pro

CEREAL TANK-MIX BONUS
Save an additional 5% on in-crop broadleaf herbicides when you pair matching acres of broadleaf and grass herbicides.

GRAMINICIDE BRANDS
Epic® II
Nufarm Tralkoxydim
Reata®
Signal® Brands

Products must be purchased between September 1, 2026 and August 31, 2027. No program payments under $200 will be issued by Nufarm.
*Purchase level based on suggested retail price (SRP).
**Build your purchase level to increase your rewards and receive a higher percentage savings.

JOIN THE NATION.

VISIT NUFARM.CA TO REGISTER AND CALCULATE YOUR SAVINGS.

Fierce® MTZ

Fierce® MTZ soil active herbicide delivers powerful, convenient pre-emergent weed control to help your crop get off to a strong start with up to 8 weeks of residual activity on the toughest of weeds including resistant kochia and wild oats.

REGISTERED CROPS (FALL APPLICATION ONLY)

- Chickpeas
- Field peas
- Lentils
- Spring wheat

WEEDS CONTROLLED

- Annual sow thistle
- Barnyard grass
- Canada fleabane
- Chickweed
- Cleavers
- Common ragweed
- Corn spurry
- Dandelion
- Downy brome
- Green foxtail (including Group 1- and 2-resistant biotypes)
- Green and redroot pigweed
- Hairy nightshade
- Japanese brome
- Kochia (including Group 2-, 4-, and glyphosate-resistant biotypes)
- Lamb's-quarters
- Night flowering catchfly
- Palmer amaranth
- Russian thistle*
- Stinkweed
- Volunteer canola (including glyphosate, glufosinate ammonium and imidazolinone tolerant varieties)
- Waterhemp
- Wild buckwheat
- Wild mustard (including Group 2-resistant biotypes)
- Wild oats

WEEDS SUPPRESSED

- Foxtail barley
- Yellow foxtail

BENEFITS

- **SUPERIOR, CONSISTENT PERFORMANCE** than other soil active herbicides on the toughest broadleaf and grass weeds
- **PROVEN RESISTANCE MANAGEMENT** with multiple modes of action that target broadleaf and grass weeds
- **INCREASED ACTIVITY ON GRASSY WEEDS** with modes of action to manage Group 1- and 2-resistant biotypes
- **EXTENDED CONTROL** with activity that lasts up to 8 weeks
- **THREE ACTIVE INGREDIENTS** (Group 5, 14 and 15) for management of resistant weeds
- **ADDITION OF METRIBUZIN** gives enhanced activity on weeds

PERFORMANCE TIPS

1. **Fall application** – apply in the fall when soil temperatures fall to 10 °C or less, Fierce MTZ gives you significantly more flexibility and time for your spring weed management program
2. Recommended seeding depth following a Fierce MTZ application is 1-2 inches deep
3. DO NOT incorporate after application or prior to seeding
4. Leave a small checkstrip in the field to show performance

For specific crop usage information see label for details.

ACTIVE INGREDIENT

- Group 5 (metribuzin)
- Group 14 (flumioxazin)
- Group 15 (pyroxasulfone)

TREATMENT AREA

- One case (2 x 9.46 L) treats 40 acres at 473 mL/ac.

APPLICATION TIMING

- Fall apply as late as possible, but prior to freeze up for any registered crop

TANK-MIX ORDER

- Fierce MTZ
- BlackHawk® EVO (if used)
- Glyphosate

NOTES

- Fierce MTZ requires moisture to activate in the soil
- Seeding after application requires the use of minimum to zero-till drills

*Control at high rate.

Nufarm Agriculture Inc. is a distributor of Valent Canada Inc. products in Canada.

Fierce® EZ

A pre-emergent soil active herbicide that offers extended activity on emerging spring broadleaf and grassy weeds for up to 8 weeks after activation.

REGISTERED CROPS

- Chickpeas
- Field peas
- Lentils (fall application prior to large green and small red varieties)
- Soybeans
- Spring wheat (not including durum)
- Winter wheat

WEEDS CONTROLLED

- Annual sow thistle
- Barnyard grass
- Chickweed
- Cleavers
- Dandelion
- Green foxtail (including Group 1- and 2-resistant biotypes)
- Green and redroot pigweed
- Kochia (including Group 2-, 4- and glyphosate-resistant biotypes)
- Lamb's-quarters
- Wild mustard (including Group 2-resistant biotypes)

WEEDS SUPPRESSED

- Downy brome
- Japanese brome
- Russian thistle
- Wild buckwheat
- Wild oats
- Volunteer canola

BENEFITS

- **BETTER PERFORMANCE** than other leading soil active herbicides on tough broadleaf weeds
- **ACTIVITY ON GRASSY WEEDS** with a different mode of action to manage Group 1- and 2-resistant biotypes
- **EXTENDED CONTROL** with activity that lasts up to 8 weeks
- **TWO ACTIVE INGREDIENTS** (Group 14 and 15) for management of Group 1-, 2-, 4-, 5- and glyphosate-resistant weeds
- Convenient application eliminates the need for granular broadcast herbicide products

PERFORMANCE TIPS

1. **Emerged weeds** – use with a burndown herbicide partner like glyphosate and BlackHawk EVO or GoldWing
2. **Application flexibility** – Fierce EZ alone can be applied up to 3 days post seeding soybeans, chickpeas and field peas
3. DO NOT incorporate after application or prior to seeding
4. Pre-seeding applications require the use of minimum disturbance seeding systems
5. Leave a small checkstrip in the field to show performance

For specific crop usage information see label for details.

ACTIVE INGREDIENTS

- Group 14 (flumioxazin)
- Group 15 (pyroxasulfone)

TREATMENT AREA

- One case (2 x 7.16 L) treats 80 acres at 180 mL/ac.

APPLICATION TIMING

- Fall apply as late as possible but prior to freeze up for any registered crop
- Pre-emergent for soybeans, chickpeas and field peas
- Should be applied a minimum of 7 days prior to seeding spring wheat and winter wheat
- Apply up to 3 days after seeding soybeans, chickpeas and field peas

TANK-MIX ORDER

- Fierce EZ
- BlackHawk EVO or GoldWing (if used)
- Glyphosate

NOTES

- Seeding after application requires the use of minimum to zero till drills
- Fierce EZ requires moisture to activate in the soil

Nufarm Agriculture Inc. is a distributor of Valent Canada Inc. products in Canada.

Bifecta® EZ

Bifecta® EZ soil active herbicide delivers powerful, convenient pre-emergent multi-mode of action broadleaf weed control to help your crop get off to a strong start with up to 8 weeks of residual activity.

REGISTERED CROPS (FALL APPLICATION ONLY)

- Field peas
- Lentils
- Soybeans
- Spring wheat

WEEDS CONTROLLED

- Barnyard grass
- Canada fleabane
- Chickweed
- Common ragweed
- Dandelion
- Green and redroot pigweed (including Group 2- and 5-resistant biotypes)
- Green and yellow foxtail
- Hairy nightshade
- Kochia (including Group 2-, 4-, and glyphosate- resistant biotypes)
- Lamb's-quarters
- Palmer amaranth
- Russian thistle
- Shepherd's-purse
- Waterhemp
- Wild buckwheat
- Wild mustard
- Yellow woodsorrel

WEEDS SUPPRESSED

- Cleavers
- Volunteer canola (suppression including all herbicide-tolerant biotypes)

BENEFITS

- **PROVEN RESISTANCE MANAGEMENT** with multiple modes of action that target broadleaf weeds
- **EXTENDED CONTROL** with activity that lasts up to 8 weeks
- **TWO ACTIVE INGREDIENTS** (Group 5 and 14) for management of resistant weeds
- **ADDITION OF METRIBUZIN** gives enhanced activity on weeds

PERFORMANCE TIPS

1. **Fall application** – apply in the fall when soil temperatures fall to 10 °C or less, Bifecta EZ gives you significantly more flexibility and time for your spring weed management program
2. Recommended seeding depth following Bifecta EZ application is 1-2 inches deep
3. DO NOT incorporate after application or prior to seeding
4. Leave a small checkstrip in the field to show performance

For specific crop usage information see label for details.

ACTIVE INGREDIENT

- Group 5 (metribuzin)
- Group 14 (flumioxazin)

TREATMENT AREA

- One case (2 x 7.13 L) treats 40 acres at 357 mL/ac.

APPLICATION TIMING

- Fall apply as late as possible, but prior to freeze up for any registered crop

TANK-MIX ORDER

- Bifecta EZ
- BlackHawk® EVO (if used)
- Glyphosate

NOTES

- Bifecta EZ requires moisture to activate in the soil
- Seeding after application requires the use of minimum to zero-till drills

Valtera® Cereals

Valtera® Cereals herbicide gives you the flexibility and time needed at seeding by offering long-lasting, soil-active weed control when applied in the fall or early spring. With up to 8 weeks of residual protection, Valtera Cereals targets tough weeds like volunteer canola, cleavers and kochia—so you can seed into cleaner fields and start the season strong.

REGISTERED CROPS

- Spring wheat
- Winter wheat
- Durum wheat***

WEEDS CONTROLLED

- Annual sow thistle
- Canada fleabane
- Common chickweed
- Common ragweed[2]
- Common waterhemp[2]
- Cow cockle[1]
- Cleavers
- Dandelion[2]
- Green pigweed[2]
- Eastern black nightshade[2]
- Hairy nightshade[2]
- Kochia[2]
- Lamb's-quarters[2]
- Palmer amaranth[2]
- Redroot pigweed[2]
- Shepherd's-purse[1]
- Smartweed[1]
- Stinkweed[1]
- Volunteer canola*
- Wild buckwheat
- Wild mustard[1]

WEEDS SUPPRESSED

- Green foxtail[2]
- Hemp-nettle[1]
- Narrow-leaved hawk's-beard[1]
- Perennial sow thistle**[1]
- Russian thistle

BENEFITS

- **EARLY SEASON CONTROL** helps eliminate broadleaf weed pressure in your wheat during critical weed-free periods
- **EXTENDED SOIL ACTIVITY** takes out multiple flushes of tough weeds for up to 8 weeks, giving you more freedom at seeding
- **RESISTANCE MANAGEMENT TOOL** that helps manage weeds on the Valtera Cereals product label that are resistant to Group 2-, 4- and glyphosate-resistant herbicides
- **RE-CROPPING FLEXIBILITY** – most unregistered crops can be seeded 12-months after application to a registered crop
- Apply in fall or spring (check product label for specific crop registrations)
- Extended early season control provides in-crop herbicide flexibility that helps to improve the efficacy of in-crop herbicide applications by targeting fewer, smaller weeds

PERFORMANCE TIPS

1. **Recommended seeding depth** following Valtera Cereals application is 1-2 inches deep
2. **Fall application** – with a simple application in the fall when soil temperatures fall to 10 °C or less, Valtera Cereals gives you significantly more flexibility and time for your spring weed management program
3. DO NOT incorporate after application or prior to seeding

For specific crop usage information see label for details.

* Including herbicide-tolerant canola varieties except Clearfield® canola.
** Applications made at advanced leaf stages will reduce product effectiveness.
*** Must be applied 30 days prior to seeding.
[1] emerged weeds only (2–4 leaf)
[2] pre-emerge weeds only

ACTIVE INGREDIENTS

- Group 2 (florasulam)
- Group 14 (flumioxazin)

RAINFAST

- Rain required for soil activation
- For burndown efficacy, avoid application if heavy rainfall is imminent

TREATMENT AREA

- One case (2 x 8 L) treats 160 acres

APPLICATION TIMING

- For fall application, apply as late as possible but prior to freeze up for any registered crop. Ideally when the soil temperature has dropped to below 10 °C.
- Applications should be applied a minimum of 7 days prior to seeding wheat (spring, winter)
- Must be applied 30 days prior to seeding durum wheat

TANK-MIX ORDER

- Valtera Cereals
- BlackHawk® EVO (if used)
- Glyphosate

NOTES

- Seeding after application requires the use of minimum to zero-till drills
- Valtera Cereals herbicide requires moisture to activate in the soil

BlackHawk® EVO

POWERED BY DUPLOSAN™

BlackHawk® EVO is the next evolution in pre-seed burndown herbicides. Powered by Duplosan™ technology. BlackHawk EVO delivers fast, flexible and complete control of the toughest broadleaf weeds.

REGISTERED CROPS

Pre/Post-Seed Applications

- Barley
- Canary seed
- Field corn
- Oats
- Rye (spring, fall)
- Summerfallow
- Triticale
- Wheat (spring, durum, winter)

Fall Applications

- All crops

WEEDS CONTROLLED WITH A GLYPHOSATE TANK-MIX

- Broadleaf plantain
- Canada fleabane (including Group 9-resistant biotypes)
- Canada thistle
- Cleavers (including Group 2- and 9-resistant biotypes)
- Cocklebur
- Dandelion (seedling)
- Flixweed
- Kochia (including Group 2- and 9-resistant biotypes)
- Lamb's-quarters (including Group 2- and 5-resistant biotypes)
- Narrow-leaved hawk's-beard (including Group 2-resistant biotypes)
- Night-flowering catchfly
- Powell's amaranth
- Prickly lettuce
- Ragweeds (including Group 2- and 9-resistant biotypes)
- Redroot pigweed
- Russian thistle
- Shepherd's-purse
- Sow thistle
- Stinkweed
- Volunteer canola (including all herbicide-tolerant biotypes)
- Wild buckwheat
- Wild mustard

WEEDS SUPPRESSED

- Black medic
- Hemp-nettle

BENEFITS

- **POWERED BY DUPLOSAN TECHNOLOGY** for control of tough-to-kill broadleaf weeds including herbicide resistant kochia and cleavers
- **PROVEN RESISTANCE MANAGEMENT** with multiple modes of action that target broadleaf weeds
- **COMPLETE CONTROL** through systemic and contact activity
- Makes in-crop weed control easier and more effective by having only new, smaller weeds present at time of application
- Provides broad-spectrum weed control, including excellent control of winter annuals such as narrow-leaved hawk's-beard in the fall and spring
- No surfactant required when tank-mixed with glyphosate

For specific crop usage information see label for details.

ACTIVE INGREDIENTS

- Group 14 (pyraflufen-ethyl)
- Group 4 (dichlorprop-p)
- Group 4 (2,4-D ester)

RAINFAST

- Avoid application if heavy rainfall is imminent

TREATMENT AREA

- One case (2 x 10 L) treats 80 acres at 250 mL/ac.
- One drum (120 L) treats 480 acres at 250 mL/ac.
- One tote (480 L) treats 1,920 acres at 250 mL/ac.
- Contact local retailer to special order product in drums or totes

APPLICATION TIMING

- **Fall applications can be made until freeze up with no cropping restrictions the following season**
- In the spring, applications can be made after seeding cereals prior to emergence except for oats (apply a minimum of 7 days prior to seeding)

TANK-MIX ORDER

- BlackHawk EVO
- Glyphosate

NOTES

- Use a minimum of 10 gal./ac. water volume for adequate coverage of target weeds

NUFARMER NATION
SAVE UP TO 12%

ThunderHawk® EZ

ThunderHawk® EZ energizes pre-seed burndown with glyphosate ahead of cereals. With three modes of action it delivers fast-acting control on a wide spectrum of broadleaf weeds and provides longer residual activity on volunteer canola.

REGISTERED CROPS (Spring and fall applications)

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

WEEDS CONTROLLED WITH A GLYPHOSATE TANK-MIX

- Canada thistle
- Cleavers (including Group 2- and glyphosate-resistant biotypes)
- Chickweed
- Cow cockle
- Flixweed
- Hemp-nettle
- Kochia (including Group 2-, 4- and glyphosate-resistant biotypes)
- Lamb's-quarters (including Group 2- and 5-resistant biotypes)
- Mallow
- Mustards (except dog and tansy)
- Narrow-leaved hawk's-beard
- Night-flowering catchfly
- Redroot pigweed (including Group 2- and 5-resistant biotypes)
- Stinkweed
- Shepherd's-purse
- Smartweed
- Volunteer canola (all herbicide-tolerant biotypes)
- Wild buckwheat
- Wild mustard (including Group 2-resistant biotypes)

WEEDS SUPPRESSED

- Annual sow thistle
- Dandelion

BENEFITS

- **FASTER ACTIVITY** on a wide range of broadleaf weeds compared to other Group 2 or Group 2 and 4 pre-seed burndown herbicides
- **MANAGES VOLUNTEER CANOLA** (all herbicide-tolerant biotypes) with soil residual activity up to three weeks after application
- **AN EXCELLENT RESISTANCE MANAGEMENT TOOL** with three active ingredients that work well in combination on tough-to-kill weeds
- Unsurpassed crop safety for registered crops
- Controls Group 2-resistant weeds (kochia, cleavers, lamb's-quarters, redroot pigweed, wild mustard), Group 4-resistant weeds (kochia) and glyphosate-resistant broadleaf weeds (kochia, volunteer canola)

For specific crop usage information see label for details.

ACTIVE INGREDIENTS

- Group 14 (pyraflufen-ethyl)
- Group 4 (MCPA ester)
- Group 2 (florasulam)

RAINFAST

- 2 hours

TREATMENT AREA

- One case (2 x 10.8 L) treats 60-80 acres at 270-360 mL/ac.

APPLICATION TIMING

- Can be applied up to 2 days after seeding

TANK-MIX ORDER

- ThunderHawk EZ
- Glyphosate

NOTES

- Fall applications can be made until freeze up, with only cereals on label being permitted for seeding in spring
- No surfactant required when tank-mixed with glyphosate
- Use a minimum of 10 gal./ac. water volume for adequate coverage of target weeds
- For durum and lighter soil zones, use 80 acre rate (270 mL/ac.) for reduced risk of carryover
- Recommended seeding depth after a ThunderHawk EZ application is 1-2 inches deep

NUFARMER NATION
SAVE UP TO 12%

Nufarm tank clean out

PRODUCT	RECOMMENDED CLEANER
Astir	ammonia based cleaner
Bifecta EZ	Valent Tank Cleaner or ammonia
Fierce EZ Fierce MTZ	Valent Tank Cleaner or ammonia
Flumioxazin based products	Valent Tank Cleaner or ammonia
Valtera Cereals Valtera EZ	Valent Tank Cleaner or ammonia
Valent Tank Cleaner deactivates flumioxazin herbicide	
BlackHawk® EVO	water or ammonia based cleaner
CONQUER® II	water or ammonia based cleaner
GoldWing®	water or ammonia based cleaner
ThunderHawk® EZ	ammonia based cleaner
Epic® II	ALL CLEAR/similar tank cleaning agent
Idol®	water
Nufarm Tralkoxydim	ALL CLEAR/similar tank cleaning agent
Reata®	ammonia based cleaner
Signal®	water
Signal FSU	ALL CLEAR/similar tank cleaning agent
Statue®	water
Venim™	water or ALL CLEAR/similar tank cleaning agent

PRODUCT	RECOMMENDED CLEANER
Berserk®	water or ALL CLEAR/similar tank cleaning agent
Boost® M	ammonia based cleaner
Credit® Xtreme	water
Curtail® M	ammonia based cleaner
DriFast™	ALL CLEAR/similar tank cleaning agent or Non-Ionic Surfactant
Embutox®	ALL CLEAR/similar tank cleaning agent
Enforcer® D	ALL CLEAR/similar tank cleaning agent
Enforcer M	ALL CLEAR/similar tank cleaning agent
Granata®	ALL CLEAR/similar tank cleaning agent
Oxbow®	ALL CLEAR/similar tank cleaning agent
Phenoxies (2,4-D / MCPA)	ALL CLEAR/similar tank cleaning agent
Ransack®	water or ALL CLEAR/similar tank cleaning agent
Rival® EC	ALL CLEAR/similar tank cleaning agent
Tropotox® Plus	ammonia based cleaner
TruSlate® Pro	ammonia based cleaner
Crusade®	water
Gauntlet®	water
Hornet®	water
Joust®	water
Proliant® PGR	water
Quash® SC	water

Best Practices for Group 2 Sprayer Clean Out

Most product labels will indicate the tank cleanout procedure and preferred tank clean out product to use. This is usually a detergent cleaner (e.g. ALL CLEAR) or ammonia-based products (e.g. Flush®).

Detergents (ALL CLEAR or Valent Tank Cleaner)

Detergent cleaners are specifically designed to remove pesticide deposits. They work well to clean oil soluble herbicides such as EC's, soluble concentrates (SC's) or other substances that appear milky from booms, filters, and nozzles.

Label rate of ALL CLEAR is 0.25 L/100L of water. There is also a decontamination rate of 0.5 L/100L of water for recurrent residue issues.

Label rate is 1% v/v for Valent Tanker Cleaner.

pH Increaser (ammonia aka Flush)

These are ammonia based products. They are used to raise the pH to increase solubility of most Group 2 products. Use Flush (or other ammonia-based cleaner) for most cleaning, but especially for Group 2 products listed such as ThunderHawk EZ and Reata.

Imidazolinone herbicides such as Venim and Ransack are an exception as increasing the pH decreases their water solubility. For these herbicides use water or detergent cleaners.

Label rate is 0.50 L of Flush/100 L of water.

Type of cleaner to use

DETERGENT CLEANER	AMMONIA
Solution contains an adjuvant	Sulfonylureas (SU's)
Solution contains a milky looking component (an Emulsion or EC)	Thiencarbazone – methyl
Glufonsinate	Flucarbazone
Imidazolinones (Group 2)	Dicamba
Simplicity™	

Source: www.sprayers101.com

NOTES

Always read and follow label directions.

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