

(Sleeve)

GROUP	4	HERBICIDE
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Nufarm Fluroxypyr Herbicide

Emulsifiable Concentrate

Nufarm Fluroxypyr Herbicide is a selective herbicide for postemergent control of annual broadleaved weeds including cleavers and certain ALS-resistant broadleaved weeds such as kochia in spring wheat, durum wheat, winter wheat, spring barley and oats. Nufarm Fluroxypyr Herbicide will also suppress hemp-nettle, common chickweed and wild buckwheat.

AGRICULTURAL

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

ACTIVE INGREDIENT: fluroxypyr, present as 1-methylheptyl ester ... 180 g/L

REGISTRATION NO. 30194 PEST CONTROL PRODUCTS ACT



DANGER

POISON

WARNING - EYE IRRITANT
CAUTION - SKIN IRRITANT

Nufarm Agriculture Inc.
5101, 333 - 96th Ave NE
Calgary, Alberta
T3K 0S3
1-800-868-5444

24 Hour Emergency Response Number 1-800-424-9300

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

WARNING - EYE IRRITANT

CAUTION - SKIN IRRITANT

Danger - Causes substantial but temporary eye injury

Harmful if swallowed, inhaled or absorbed through skin

May cause skin irritation

DO NOT APPLY BY AIR

DO NOT get in eyes. Avoid contact with skin and clothing. Avoid breathing spray mist.

PROTECTIVE CLOTHING AND EQUIPMENT

At all times: Wear clean, body-covering coveralls.

During mixing and loading, and clean-up and repair: Wear goggles or face shield and chemical-resistant gloves. Rinse gloves before removal.

OPERATOR USE PRECAUTIONS

Wear freshly laundered clothing and clean protective equipment daily. At completion of spraying or end of the day take a shower immediately. Wash thoroughly with soap and water before eating, drinking, smoking or using the toilet. Remove contaminated clothing at the end of the work session and store and wash separately from household laundry using detergents and hot water before reuse. If herbicide penetrates clothing, remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist.

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

DO not use in residential areas. Residential areas are defined as any use site where bystanders, including children, could be exposed during or after application. This includes homes, schools, parks, playgrounds, playing fields, public buildings, or any other area where the general public, including children, could be exposed.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings

PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

TOXICOLOGICAL INFORMATION

This product contains petroleum distillates. Treatment should be based on judgment of the physician in response to reactions of the patient. Vomiting may cause aspiration pneumonia.

EMERGENCY TELEPHONE NUMBERS

For spills or transportation accidents, Chemtrec, 1-800-424-9300.

For health or environmental emergencies, ProPharma Group, 1-877-325-1840.

For product and use information, Nufarm Agriculture Inc., 1-800-868-5444.

AGRICULTURAL CHEMICAL

Do not ship or store with food, feeds, drugs or clothing.

ENVIRONMENTAL PRECAUTIONS

This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms.

Toxic to non-target terrestrial plants and aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

STORAGE

Store in original containers in a secure, dry heated storage. If product is frozen, bring to room temperature and agitate before use. Do not allow contamination of seeds, plants, fertilizers or other pesticides. Do not contaminate food, feedstuffs or domestic water supplies. To prevent contamination, store this product away from food or feed. If containers are damaged or spill occurs, use the product immediately or contain the spill with absorbent materials and dispose of waste.

DISPOSAL

Recyclable Containers:

Do not reuse this container for any purpose. This is a recyclable container and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

Returnable Containers:

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

Refillable Containers:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

2018-5857

(Booklet)

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PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN

WARNING - EYE IRRITANT

CAUTION - SKIN IRRITANT

DANGER - CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY

HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN

MAY CAUSE SKIN IRRITATION

DO NOT APPLY BY AIR

DO NOT get in eyes. Avoid contact with skin and clothing. Avoid breathing spray mist.

PROTECTIVE CLOTHING AND EQUIPMENT

At all times: Wear clean, body-covering coveralls.

During mixing and loading, and clean-up and repair: Wear goggles or face shield and chemical-resistant gloves. Rinse gloves before removal.

OPERATOR USE PRECAUTIONS

Wear freshly laundered clothing and clean protective equipment daily. At completion of spraying or end of the day take a shower immediately. Wash thoroughly with soap and water before eating, drinking, smoking or using the toilet. Remove contaminated clothing at the end of the work session and store and wash separately from household laundry using detergents and hot water before reuse. If herbicide penetrates clothing, remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist.

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DO not use in residential areas. Residential areas are defined as any use site where bystanders, including children, could be exposed during or after application. This includes homes, schools, parks, playgrounds, playing fields, public buildings, or any other area where the general public, including children, could be exposed.

Apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and recreational areas is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings

PHYSICAL OR CHEMICAL HAZARDS

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AGRICULTURAL CHEMICAL

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ENVIRONMENTAL PRECAUTIONS

This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms.

Toxic to non-target terrestrial plants and aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.

To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay. Avoid application when heavy rain is forecast. Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

STORAGE

Store in original containers in a secure, dry heated storage. If product is frozen, bring to room temperature and agitate before use. Do not allow contamination of seeds, plants, fertilizers or other pesticides. Do not contaminate food, feedstuffs or domestic water supplies. To prevent contamination, store this product away from food or feed. If containers are damaged or spill occurs, use the product immediately or contain the spill with absorbent materials and dispose of waste.

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Refillable Containers:

For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

GENERAL INFORMATION

Nufarm Fluroxypyr Herbicide is a selective postemergent herbicide for the control of annual broadleaved weeds in spring wheat, durum wheat, winter wheat and spring barley and oats, not underseeded with legumes. Nufarm Fluroxypyr Herbicide offers a novel mode of action for controlling hard-to-kill annual broadleaved weeds such as kochia (including ALS resistant biotypes) and cleavers. Nufarm Fluroxypyr Herbicide will also provide suppression of hempnettle, wild buckwheat and chickweed.

MODE OF ACTION

Nufarm Fluroxypyr Herbicide is a systemic auxin-type herbicide and moves within the plant for control of exposed and underground plant tissues. The product controls weeds by disrupting normal plant growth patterns. Symptoms of weeds include epinasty (twisting of the stems) and swollen nodes.

GENERAL USE PRECAUTIONS**Sensitive Plants**

Do not apply Nufarm Fluroxypyr Herbicide directly to, or otherwise permit it to come in direct contact with susceptible crops or desirable plants including alfalfa, edible beans, canola, flowers and ornamentals, lentils, lettuce, peas, potatoes, radishes, soybeans, sugar beets, sunflowers, tomatoes or tobacco.

Non-Target Sites

Do not apply where proximity of susceptible crops or other desirable plants is likely to result in exposure to spray or spray drift. See Environmental Precautions section of the label.

Crop Rotation

Fields previously treated with Nufarm Fluroxypyr Herbicide can be seeded the following year to barley, canola, flax, forage grasses, lentils, mustard, oats, peas, rye or wheat or fields can be summerfallowed.

Tank Mixtures

When a tank mixture is used, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.

Spray Equipment Precaution

Do not apply through any type of irrigation system.

DO NOT APPLY BY AIR.**To Reduce Spray Drift:**

- Use nozzles delivering higher volumes and coarser droplets.
- Use low pressures (200 to 275 kPa).
- Use 100 L/ha of spray solution.
- Spray when the wind velocity is 15 km/hr or less.
- Spot treatments should only be applied with a calibrated boom to prevent over-application.

To Reduce Runoff from Treated Areas:

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes

Field sprayer application: **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty. **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) course classification. Boom height must be 60 cm or less above the crop or ground.

Equipment Clean-Up

Equipment used to apply Nufarm Fluroxypyr Herbicide should not be used to apply other pesticides to sensitive crops without thorough cleaning. Contact your Nufarm Fluroxypyr Herbicide dealer for detailed equipment cleaning procedures.

DIRECTIONS FOR USE

READ THE ENTIRE LABEL BEFORE USE. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC WEED CONTROL OR CROP DAMAGE. DO NOT APPLY TO CROPS UNDERSEEDDED WITH LEGUMES.

Crops Registered

spring wheat
durum wheat
winter wheat
spring barley
oats

NUFARM FLUROXYPYR HERBICIDE ALONE

Apply Nufarm Fluroxypyr Herbicide for postemergent control of cleavers and kochia, including ALS resistant kochia and other broadleaved weeds infesting spring wheat, winter wheat, durum wheat, spring barley and oats. See following table for weeds controlled/suppressed and applications rates.

Weeds Controlled or Suppressed By Nufarm Fluroxypyr Herbicide Alone

Weeds Controlled	Nufarm Fluroxypyr Herbicide Rate (L/ha)
cleavers (1-4 whorls)	0.4
kochia ¹ (2-8 leaf)	0.6
round-leaved mallow (1-6 leaf)	0.8
volunteer flax (1-12 cm)	0.6
Weeds Suppressed	Nufarm Fluroxypyr Herbicide Rate (L/ha)
chickweed ¹ (up to 8 cm)	0.8
hempnettle (2-6 leaf)	0.8
stork's-bill (1-8 leaf)	0.6
wild buckwheat (1-4 leaf)	0.8

¹Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme.

NOTE: Nufarm Fluroxypyr Herbicide activity is influenced by weather conditions. Optimum activity requires active crop and weed growth. The temperature range for optimum activity is 12°C to 24°C. Reduced activity will occur when temperatures are below 8°C or above 27°C. Frost before application (3 days) or shortly after (3 days) may reduce weed control and crop

tolerance. Weed control may be reduced during stress conditions, e.g. drought, heat or cold stress, or if weeds have initiated flowering, or if heavy infestations exist.

APPLICATION DIRECTIONS

Application Timing

Apply to actively growing spring wheat, durum wheat, spring barley and oats from the 2-leaf crop growth stage up to and including initiation of stem elongation. Apply to winter wheat in the spring from the 3 tiller stage to just before the flag leaf stage. Apply when weeds are actively growing. Best results are obtained from applications made to seedling weeds. Only weeds emerged at the time of treatment will be controlled. Extreme growing conditions such as drought or near freezing temperature prior to, at and following time of application may reduce weed control and increase the risk of crop injury at all stages of growth. Foliage that is wet at the time of application may decrease control. Nufarm Fluroxypyr Herbicide applications are rainfast within 1 hour after application. Under conditions of low crop and high weed density, control may be reduced.

Preharvest/Grazing Intervals (Nufarm Fluroxypyr Herbicide applied alone)

- Livestock may be grazed on treated crops 3 days following application.
- Do not harvest the treated crop within 60 days after application.

NUFARM FLUROXYPYR HERBICIDE + LIQUID ACHIEVE® SC HERBICIDE OR ACHIEVE LIQUID HERBICIDE OR NUFARM TRALKOXYDIM HERBICIDE OR NUFARM TRALKOXYDIM LIQUID
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Do not apply to oats.

For control of wild oats and green foxtail in spring wheat, winter wheat and spring barley apply 0.5 L/ha of Liquid Achieve SC Herbicide or Achieve Liquid Herbicide or Nufarm Tralkoxydim Herbicide or Nufarm Tralkoxydim Liquid with Nufarm Fluroxypyr Herbicide. Refer to the above table for rates and broadleaved weeds controlled or suppressed with Nufarm Fluroxypyr Herbicide. Read both product labels thoroughly for more information on precautions and additional directions for use. To control additional broadleaved weeds tank-mix with either 2,4-D Ester or MCPA Ester up to a maximum of 560 g a.e./ha (equivalent to 1.0 L/ha of 2,4-D LV 600 or 1.12 L/ha of MCPA LV 500 or 0.93 L/ha of MCPA Ester 600) or 1.5 to 2.0 L/ha Curtail™ M Herbicide. Refer to the 2,4-D Ester or MCPA Ester tank mix partner label for rates less than 560 g a.e./ha and weeds controlled.

Mixing Instructions

1. Begin to fill sprayer tank with clean water and engage agitator. **Agitation must be continued throughout the entire mixing and spraying procedure.**
2. When the sprayer is three quarters full of water, add Liquid Achieve SC Herbicide or Achieve Liquid or Nufarm Tralkoxydim Herbicide or Nufarm Tralkoxydim Liquid. If more than one container of the added herbicide is to be used, add all Achieve Liquid containers prior to adding Nufarm Fluroxypyr Herbicide.
3. Add Nufarm Fluroxypyr Herbicide next. If more than one container of Nufarm Fluroxypyr Herbicide is to be used, add all Nufarm Fluroxypyr Herbicide containers prior to adding any other tank-mix partners.
4. If 2,4-D Ester, MCPA Ester or Curtail M are also being added, add these next. If more than one container of 2,4-D Ester, MCPA Ester or Curtail M is to be used, add all 2,4-D Ester, MCPA Ester or Curtail M containers prior to adding Turbocharge® Adjuvant or Carrier adjuvant.
5. Lastly, add the required amount of Turbocharge Adjuvant or Carrier and then continue to fill tank to desired level with water.

NUFARM FLUROXYPYR HERBICIDE + CURTAIL M HERBICIDE

For control of a wide spectrum of broadleaved weeds (see following table) in spring wheat, durum wheat, winter wheat, spring barley and oats, apply Nufarm Fluroxypyr Herbicide tank mixed with Curtail M Herbicide. Refer to Curtail M Herbicide label for additional precautions and directions for use, particularly crop rotation restrictions.

Mixing Instructions

Add the correct amount of Nufarm Fluroxypyr Herbicide to spray tank 1/2 filled with water and agitate. Add the correct amount of Curtail M Herbicide and continue to agitate.

Timing of Application

Apply postemergence when weeds are in the seedling stage (2-4 leaf) and when spring wheat, durum wheat, spring barley and oats are in the 3-leaf to just before the flag leaf emergence stage. Apply to winter wheat in the spring from the 3 tiller stage to just before the flag leaf stage. Do not apply later than the flag-leaf stage.

Rates of Application

I. Low Rate: Weeds Controlled or Suppressed by Nufarm Fluroxypyr Herbicide at 0.6 L/ha + Curtail M Herbicide Tank-Mix at 1.5 L/ha.

Weeds Controlled

Canada thistle (low infestations)	mustard, wild
cleavers (1-8 whorls)	shepherd's-purse
flax, volunteer (1-12 cm)	stinkweed
flixweed (spring seedling 2-4 leaf)	sunflower, volunteer
kochia ³	wild buckwheat (1-8 leaf)
lamb's-quarters	

Weeds Suppressed

stork's-bill (1-8 leaf)

II. High Rate: Weeds Controlled or Suppressed by Nufarm Fluroxypyr Herbicide at 0.8 L/ha + Curtail M Herbicide Tank-Mix at 2.0 L/ha

Weeds Controlled:

Canada thistle ¹	lamb's-quarters	sow-thistle (annual)
canola (volunteer)	redroot pigweed	sow-thistle (perennial) ¹
cleavers (1-4 whorls)	round-leaved mallow (1-6 leaf)	stinkweed
common chickweed ¹	Russian pigweed	stork's-bill (1-8 leaf)
common groundsel	scentsless chamomile	sunflower (volunteer)
dandelion ²	shepherd's-purse	tartary buckwheat
flixweed ²	smartweed	volunteer flax (1-12 cm)
hemp-nettle (2-6 leaf stage)		wild buckwheat (1-4 leaf)
kochia ³		wild mustard

¹ Season long control, with some regrowth in the fall (top growth control).

² Spring rosettes only.

³ Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme.

The active ingredients in this tank mixture will only control chickweed that is emerged at TIME OF application. Chickweed plants which emerge after application will not be controlled. To

improve the reduction in chickweed population at the end of season, delay the timing of application as late as possible to when the majority of chickweed plants have emerged. The reduction in chickweed population will also be improved in crops which are more competitive, and which allow limited light penetration.

Pre-Harvest/Grazing Intervals (Nufarm Fluroxypyr Herbicide + Curtail M Herbicide)

- Do not cut or graze treated fields within 7 days after application.
- Do not harvest the treated mature crop within 60 days after application.

When tank mixing with Curtail M Herbicide, wear goggles or face shield, coveralls and chemically resistant gloves, apron and boots when mixing, loading and during clean-up and repair.

Curtail M Herbicide contains an ingredient that is rapidly absorbed through the skin and respiratory tract.

NUFARM FLUROXYPYR HERBICIDE + CURTAIL M HERBICIDE FOR ANNUAL GRASS CONTROL

Do not apply to oats.

Tank mixtures of Nufarm Fluroxypyr Herbicide + Curtail M Herbicide with other herbicides will provide control of additional weeds. See following table for tank mixes with Nufarm Fluroxypyr Herbicide + Curtail M Herbicide. Follow all precautions, minimal interval to harvest and directions for use on the Nufarm Fluroxypyr Herbicide and tank-mix partner labels.

Tank-Mix Combinations with Nufarm Fluroxypyr Herbicide (0.6 L/ha) + Curtail M Herbicide (1.5 L/ha) or Nufarm Fluroxypyr Herbicide (0.8 L/ha) + Curtail M Herbicide (2.0 L/ha)

Herbicide Tank-Mix Partner	Crops Registered	Rate of Tank-Mix Partner	Adjuvant Rate	Additional Weeds
Liquid Achieve SC Herbicide ¹ or Achieve Liquid ¹ or Nufarm Tralkoxydim Herbicide ¹ or Nufarm Tralkoxydim Liquid ¹	spring wheat, durum wheat, winter wheat, spring barley	0.5 L/ha	Turbocharge Adjuvant or Carrier 0.5 L/100 L of spray volume (0.5% v/v)	green foxtail wild oats
Horizon [®] 240EC Herbicide or Signal [®] Herbicide	spring wheat, durum wheat	0.23 L/ha	Score [®] Adjuvant 0.8 L/ha (0.8% v/v) or Nufarm Enhance [®] 0.25 L/ha (0.25%v/v)	green foxtail wild oats
Assert [®] 300 SC Herbicide	spring wheat, durum wheat, spring barley	1.3 L/ha 1.6 L/ha	Refer to Assert 300 SC label	wild oats (1-3 leaf) wild oats (4 leaf)
Puma [®] 120 Super Herbicide or	spring wheat, durum wheat,	385 mL/ha	None required	green foxtail only

Cordon®	spring barley	770 mL/ha		green foxtail, wild oats & barnyard grass
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¹ Curtail M Herbicide can be used at a rate of 1.5 to 2.0 L/ha with this tank-mix combination.

NUFARM FLUROXYPYR HERBICIDE + 2,4-D ESTER HERBICIDE

Do not apply to oats.

For control of a wide spectrum of broadleaved weeds (see following tables) apply Nufarm Fluroxypyr Herbicide tank mixed with 2,4-D Ester Herbicide. Apply postemergence when weeds are in the seedling stage (2-4 leaf) and when spring wheat, durum wheat, winter wheat and spring barley are in the 4-leaf to flag-leaf stage. Apply to winter wheat in the spring from the 3 tiller stage to just before the flag leaf stage. Application before the 4-leaf stage of wheat and barley may cause severe twisting of leaves and stem, and head deformities which may reduce yield up to 10%. Do not apply later than the flag-leaf stage.

Rates of Application

I. Low Rate: To control the following weeds apply a uniform spray containing 0.45 L/ha Nufarm Fluroxypyr Herbicide and 420 g a.e./ha 2,4-D Ester Herbicide in a minimum of 100 L of water per hectare to thoroughly cover the weeds.

Weeds Controlled:

bluebur	hoary cress ¹	stinkweed
burdock	kochia ³	sunflower (annual)
canola (volunteer)	lamb's-quarters	vetch
cleavers (1-4 whorls)	mustards (except green, dog & tansy)	wild radish
clovers (sweet)	plantain	wild buckwheat (1-4 leaf)
cocklebur	prickly lettuce	wild mustard
flixweed	ragweed	
field horsetail ¹	shepherd's-purse	
goat's-beard		

II. High Rate: To control the above weeds plus the additional weeds listed below, apply a uniform spray containing 0.6 L/ha of Nufarm Fluroxypyr Herbicide and 560 g a.e./ha of 2,4-D Ester Herbicide in a minimum of 100 L of water per hectare to thoroughly cover the weeds.

Additional Weeds Controlled:

blue lettuce ¹	hairy galinsoga	Russian thistle
dandelion ²	hedge bindweed	smartweed
docks	lady's-thumb	stork's-bill (1-8 leaf)
dog mustard	leafy spurge ¹	tansy mustard
field bindweed ¹	oak-leaved goosefoot	tartary buckwheat
field peppergrass	redroot pigweed	volunteer flax (1-12 cm)
gumweed	round-leaved mallow (1-6 Leaf)	wild buckwheat (1-4 leaf)

Weeds Suppressed:

common chickweed ³ (up to 8 cm)	hemp-nettle (2-6 leaf stage)	sow-thistle (perennial) ¹
Canada thistle ¹	sow-thistle (annual)	

¹ Top growth control only.

² Spring rosettes.

³ Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme.

NOTE: The activity of Nufarm Fluroxypyr Herbicide combined with 2,4-D Ester Herbicide is influenced by weather conditions. Optimum activity requires active crop and weed growth. The temperature range for optimum activity is 12°C to 24°C. Reduced activity will occur when temperatures are below 8°C or above 27°C. Frost before application (3 days) or shortly after (3 days) may reduce weed control and crop tolerance. Weed control may be reduced during stress conditions, e.g. drought, heat or cold stress, or if weeds have initiated flowering, or if heavy infestations exist.

Mixing Instructions

Add the correct amount of Nufarm Fluroxypyr Herbicide to spray tank 1/2 filled with water and agitate. Add the correct amount of 2,4-D Ester Herbicide and continue to agitate.

Pre-Harvest/Grazing Intervals (Nufarm Fluroxypyr Herbicide + 2,4-D Ester Herbicide)

- Do not permit lactating dairy animals to graze fields within 7 days after application.
- Do not harvest forage or cut hay within 30 days after application.
- Withdraw meat animals from treated fields at least 3 days before slaughter.
- Do not harvest the treated mature crop within 60 days after application.

NUFARM FLUROXYPYR HERBICIDE + 2,4-D ESTER HERBICIDE + OTHER HERBICIDES**Do not apply to oats.**

Tank mixtures of Nufarm Fluroxypyr Herbicide + 2,4-D Ester Herbicide with other herbicides will provide control of additional weeds. For products which may be tank mixed with Nufarm Fluroxypyr Herbicide + 2,4-D Ester Herbicide and the additional weeds controlled see following table. Follow all precautions, minimal interval to harvest and directions for use on the Nufarm Fluroxypyr Herbicide and tank-mix partner labels.

Tank-Mix Combinations with:

Nufarm Fluroxypyr Herbicide (0.6 L/ha) + 2,4-D Ester Herbicide (560 g a.e./ha) or

Nufarm Fluroxypyr Herbicide (0.45 L/ha) + 2,4-D Ester Herbicide (420 g a.e./ha)

Herbicide Tank-Mix Partner	Crops Registered	Rate of Tank-Mix Partner	Adjuvant Rate	Additional Weeds
Liquid Achieve SC Herbicide ^{1,3} or Achieve Liquid ^{1,3} or Nufarm Tralkoxydim Herbicide ^{1,3} or Nufarm Tralkoxydim Liquid ^{1,3}	spring wheat, durum wheat, winter wheat, spring barley	0.5 L/ha	Turbocharge Adjuvant or Carrier 0.5 L/100 L of spray volume (0.5% v/v)	green foxtail wild oats
Horizon 240EC Herbicide or Signal Herbicide	spring wheat, durum wheat	0.23 L/ha 0.29 L/ha	Score Adjuvant: 0.8 L/ha (0.8% v/v) or Nufarm Enhance 0.25 L/ha (0.25%v/v) Score Adjuvant: 1.0 L/ha (1.0% v/v) or Nufarm Enhance 0.32 L/ha (0.32%v/v)	wild oats ² (1-6 leaf main stem) green foxtail (1-5 leaf main stem) & wild oats ²
Assert 300 SC Herbicide	spring wheat, durum wheat, spring barley	1.3 L/ha 1.6 L/ha	Refer to Assert 300 SC label	wild oats (1-3 leaf stage) wild oats (4 leaf stage)
Puma120 Super Herbicide or Cordon	spring wheat, durum wheat	385 mL/ha 770 mL/ha	None required	green foxtail only green foxtail, plus wild oats & barnyard grass
Everest [®] Solupak [®] 70 DF	spring wheat, durum wheat	43 g/ha	Refer to Everest Solupak 70 DF label	green foxtail wild oats

¹Do not apply this tank-mix prior to the 4 leaf stage of the cereal crop as temporary crop injury could occur. This tank-mix may cause temporary crop injury. However, yield will not normally be affected. This tank-mix may reduce control of wild oats compared to Liquid Achieve SC Herbicide or Achieve Liquid Herbicide or Nufarm Tralkoxydim Herbicide or Nufarm Tralkoxydim Liquid alone.

² Wild oat control may be reduced when tank mixed with Nufarm Fluroxypyr Herbicide+2,4-D Ester Herbicide.

³ 2,4-D Ester can be tank mixed at rates up to a maximum of 560 g a.e./ha with this tank-mix combination.

NUFARM FLUROXYPYR HERBICIDE + 2,4-D ESTER HERBICIDE + REFINE® EXTRA 75 DF HERBICIDE OR REFINE EXTRA 75 TOSS-N-GO HERBICIDE OR REFINE SG HERBICIDE OR REFINE SG TOSS-N-GO HERBICIDE OR NUFARM BOOST® HERBICIDE

**Spring Wheat (excluding durum) and spring barley
Do not apply to oats.**

For control of a wide spectrum of broadleaf weeds, including cleavers, Nufarm Fluroxypyr Herbicide may be tank mixed with 2,4-D Ester Herbicide and Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Refine SG Herbicide or Refine SG Toss-N-Go Herbicide or Nufarm Boost Herbicide. Apply Nufarm Fluroxypyr Herbicide at 0.3 L/ha tank mixed with with Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Nufarm Boost Herbicide at 20 g/ha, or Refine SG Herbicide or Refine SG Toss-N-Go Herbicide at 30 g/ha, 2,4-D Ester Herbicide at 280 g a.e./ha (equal to 0.5 L/ha of 2,4-D Ester LV 600 or 0.42 L/ha of 2,4-D Ester LV 700) and a non-ionic surfactant (Agral® 90, or Citowett® Plus) at 2 L per 1000 L of spray solution. A spray volume of 100 L/ha should be utilized. Apply postemergence when weeds are in the seedling up to 4-leaf/whorls stage, and when spring wheat (excluding durum) and spring barley are in the 4-leaf to flag-leaf stage. **Do not apply to crops underseeded to legumes.**

Weeds Controlled or Suppressed

Weeds Controlled:

annual smartweed (green smartweed, lady's thumb)	groundsel (common)	shepherd's-purse
ball mustard	hemp-nettle	stinkweed
chickweed (1-6 leaf) ¹	kochia ³	tartary buckwheat
cleavers ²	lamb's-quarters	volunteer rapeseed ⁴
corn spurry	narrow-leaved hawk's-beard	volunteer sunflower
cow cockle	redroot pigweed	wild buckwheat ⁵
flixweed	Russian thistle	wild mustard

¹ Spray before crop canopy prevents thorough coverage of weeds. Chickweed emerging after application will not be controlled.

² Excluding Group 2 resistant cleavers

³ Excluding Group 2 resistant kochia

⁴ The tank-mix will not control imazethapyr tolerant canola varieties (e.g. Clearfield® varieties or other varieties with the Pursuit Smart® trait)

⁵ Apply to actively growing wild buckwheat from the cotyledon to 3-leaf stage. Control may be reduced under environmental stress. Large plants may regrow after treatment

Weeds Suppressed:

Canada thistle ⁶	sow thistle ⁶
round-leaved mallow (2-6 leaf) ⁷	stork's-bill (2-6 leaf)
scentless chamomile	toadflax (to 15 cm) ⁸

⁶ Apply when most of the thistles have emerged and are actively growing. Apply before bud stage, and before crop canopy prevents thorough coverage of thistles, when thistles are no larger than 15 cm in height for best top growth control. A single application will effectively inhibit the ability of emerged thistles to compete with the crop. Later emerging thistles will not be controlled.

⁷ Apply to actively growing round leaved mallow. Will keep mallow stunted, but may not be able to reduce overall populations

⁸ A control program for this weed includes chemical application and frequent tillage.

Mixing Instructions

Fill the tank to 1/3 full of clean water. With agitator running, add required amount of Refine Extra 75 DF Herbicide, Refine Extra 75 Toss-N-Go Herbicide, Refine SG Herbicide or Refine SG Toss-N-Go Herbicide or Nufarm Boost Herbicide and continue to agitate for a minimum of 5 minutes to ensure the Refine Extra 75 DF Herbicide, Refine Extra 75 Toss-N-Go Herbicide, Refine SG Herbicide or Refine SG Toss-N-Go Herbicide or Nufarm Boost Herbicide is completely dissolved. After it is fully dissolved add the Nufarm Fluroxypyr Herbicide with continuous agitation. Add the 2,4-D Ester herbicide and the rest of the water. Then add adjuvant. Use a spray volume of 100 L/ha. Consult the 2,4-D label for additional application instructions and use precautions.

Preharvest/Grazing Intervals

- Allow 7 days between application and grazing of lactating dairy animals.
- Do not harvest forage or cut hay within 30 days after application.
- Remove meat animals from treated fields at least 3 days prior to slaughter.
- Do not harvest the treated mature crop within 60 days after application.

NUFARM FLUROXYPYR HERBICIDE + MCPA LV 500 HERBICIDE OR MCPA ESTER 600 HERBICIDE

For control of a wide spectrum of broadleaved weeds (see following table) apply Nufarm Fluroxypyr Herbicide at 0.6 L/ha tank mixed with MCPA LV 500 Herbicide at 1.12 L/ha or MCPA Ester 600 Herbicide at 0.93 L/ha. Apply postemergence when weeds are in the seedling stage (2-4 leaf) and when spring wheat, durum wheat, spring barley and oats are in the 3-leaf to flag-leaf stage. Apply to winter wheat in the spring from the 3 tiller stage to just before the flag leaf stage. Application before the 3-leaf stage of wheat and barley may cause severe twisting of leaves and stem, and head deformities which may reduce yield up to 10%. Do not apply later than the flag-leaf stage. Do not apply to cereals underseeded with a legume.

Mixing Instructions

Add the correct amount of Nufarm Fluroxypyr Herbicide to spray tank 1/2 filled with water and agitate. Add the correct amount of MCPA LV 500 Herbicide or MCPA Ester 600 Herbicide and continue to agitate.

Weeds Controlled or Suppressed by Nufarm Fluroxypyr Herbicide + MCPA LV 500 Herbicide or MCPA Ester 600 Herbicide Tank-Mix

Weeds Controlled:

burdock, common	hempnettle (2-6 leaf)	ragweed, common
canola, volunteer	kochia ¹	shepherd's-purse
cleavers (1-4 whorls)	lamb's-quarters	stinkweed
cocklebur	mustard (except dog & green tansy)	sunflower, annual
flax, volunteer (1-12 cm)	pigweed, redroot (1-4 leaf)	vetch
flixweed	prickly lettuce	wild radish

Weeds Suppressed:

green smartweed	wild buckwheat (1-4 leaf)
stork's-bill (1-8 leaf)	

¹ Including biotypes resistant to Group 2 herbicides that inhibit the ALS enzyme.

Pre-Harvest/Grazing Intervals (Nufarm Fluroxypyr Herbicide + MCPA LV 500 Herbicide or MCPA Ester 600 Herbicide

- Allow 7 days between application and grazing/cutting for hay.
- Do not harvest the treated mature crop within 60 days after application.

NUFARM FLUROXYPYR HERBICIDE + MCPA LV 500 HERBICIDE or MCPA ESTER 600 HERBICIDE + OTHER HERBICIDES

Do not apply to oats.

Tank mixtures of Nufarm Fluroxypyr Herbicide + MCPA LV 500 Herbicide or MCPA Ester 600 Herbicide with other herbicides will provide control of additional weeds. For products which may be tank mixed with Nufarm Fluroxypyr Herbicide + MCPA LV 500 Herbicide or MCPA Ester 600 Herbicide and the additional weeds controlled see following table. Follow all precautions, minimal interval to harvest and directions for use (including timing of application) on the Nufarm Fluroxypyr Herbicide and tank-mix partner labels.

Tank-Mix Combinations with Nufarm Fluroxypyr Herbicide (0.6 L/ha) + MCPA LV 500 Herbicide (1.12 L/ha) or MCPA Ester 600 Herbicide (0.93 L/ha)

Herbicide Tank-Mix Partner	Crops Registered	Rate/ha	Adjuvant Rate	Additional Weeds
Liquid Achieve SC Herbicide ¹ or Achieve Liquid ¹ or Nufarm Tralkoxydim Herbicide ¹ or Nufarm Tralkoxydim Liquid ¹	spring wheat, durum wheat, winter wheat, spring barley	0.5 L/ha	Turbocharge Adjuvant or Carrier 0.5 L/ha (0.5% v/v)	green foxtail wild oats
Horizon 240EC Herbicide or Signal Herbicide	spring wheat, durum wheat	0.23 L	Score Adjuvant 0.8 L/ha (0.8% v/v) or Nufarm Enhance 0.25 L/ha (0.25%v/v)	wild oats
Assert 300 SC	spring wheat, durum wheat, spring barley	1.3 L 1.6 L	Refer to Assert 300 SC label	wild oats (1-3 leaf) wild oats (4 leaf)
Puma ¹²⁰ Super Herbicide or Cordon	spring wheat, durum wheat, spring barley	0.77 L	None required	wild oats

¹ MCPA Ester can be tank mixed at rates up to a maximum of 560 g a.e./ha with this tank-mix combination.

<p>NUFARM FLUROXYPYR HERBICIDE + REFINE EXTRA 75 DF HERBICIDE OR REFINE EXTRA 75 TOSS-N-GO HERBICIDE OR REFINE SG HERBICIDE OR REFINE SG TOSS-N-GO HERBICIDE OR NUFARM BOOST HERBICIDE</p>

For control of a wide spectrum of broadleaved weeds (see following table) Nufarm Fluroxypyr Herbicide can be tank mixed with Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Refine SG Herbicide or Refine SG Toss-N-Go Herbicide or Nufarm Boost Herbicide. Apply post-emergence when weeds are actively growing, with best results on seedling weeds that are less than 10 cm in height. Only weeds emerged at the time of treatment will be controlled. Thorough covering of the target weeds is essential. The tank-mix can be applied to actively growing spring wheat, durum wheat and spring barley from the 2-leaf crop growth stage up to and including initiation of stem elongation. The tank-mix of Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Refine SG Herbicide or Refine SG Toss-N-Go Herbicide or Nufarm Boost Herbicide with Nufarm Fluroxypyr Herbicide allows for the control of Group 2 resistant cleavers at 0.4 L/ha and kochia 0.6 L/ha. **Do not apply to crops underseeded to legumes or grasses.**

Rates of Application

To control the following weeds, apply a uniform spray containing 0.4 to 0.8 litres of Nufarm Fluroxypyr Herbicide with 20 g/ha Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Nufarm Boost Herbicide, or 30 g/ha of Refine SG Herbicide or Refine SG Toss-N-Go Herbicide and 2 litres per 1000 L spray solution of non-ionic surfactant (Agral 90, or Citowett Plus) with a spray volume of 100 L/ha.

Weeds Controlled or Suppressed

Weeds Controlled at 0.4 L/ha of Nufarm Fluroxypyr Herbicide and 20g/ha Refine Extra 75DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Nufarm Boost Herbicide, or 30 g/ha Refine SG Herbicide or Refine SG Toss-N-Go Herbicide:

annual smartweed (green smartweed, lady's thumb)	groundsel (common)	shepherd's purse
ball mustard	hemp-nettle	stinkweed
chickweed ¹ (1-6 leaf)	kochia ²	tartary buckwheat
cleavers (1-4 whorls)	lamb's-quarters	volunteer rapeseed ³
corn spurry	narrow-leaved hawk's beard	volunteer sunflower
cow cockle	redroot pigweed	wild buckwheat ⁴
flixweed	Russian thistle	wild mustard

¹ Spray before canopy prevents thorough coverage of weeds. Chickweed emerging after application will not be controlled.

² Excluding Group 2 resistant kochia

³ The tank-mix will not control imazethapyr tolerant canola varieties (e.g. Clearfield varieties or other varieties with the Pursuit Smart trait)

⁴ Apply to actively growing wild buckwheat at the cotyledon to 3-leaf stage. Control may be reduced under environmental stress. Large plants may regrow after treatment.

Weeds suppressed at 0.4 L/ha Nufarm Fluroxypyr Herbicide and 20 g/ha Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Nufarm Boost Herbicide, or 30 g/ha of Refine SG Herbicide or Refine SG Toss-N-Go Herbicide:

Canada thistle ⁵	sow thistle ⁵
round-leaved mallow ⁶ (2-6 leaf)	stork's-bill (2-6 leaf stage)
scentless chamomile	toadflax (up to 15 cm) ⁷

⁵ Apply when most of the thistles have emerged and are actively growing. For best top growth control, apply before bud stage when thistles are no larger than 15 cm in height and before crop canopy prevents thorough coverage of weeds. Top growth of later emerging thistles will not be controlled.

⁶ Apply to actively growing round leaved mallow. Will keep mallow stunted, but may not be able to reduce overall populations

⁷ A control program for this weed includes chemical application and frequent tillage.

Additional Weeds Controlled at 0.6 L/ha of Nufarm Fluroxypyr Herbicide and 20 g/ha Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Nufarm Boost Herbicide, or 30 g/ha of Refine SG Herbicide or Refine SG Toss-N-Go Herbicide:

kochia (including group 2 resistant biotypes)
volunteer flax (1-12 cm)

Additional Weeds Controlled and Suppressed at 0.8 L/ha Nufarm Fluroxypyr Herbicide and 20 g/ha Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Nufarm Boost Herbicide, or 30 g/ha of Refine SG Herbicide or Refine SG Toss-N-Go Herbicide:

Weeds Controlled

round-leaved mallow (1-6 leaf)

Weeds Suppressed

chickweed (up to 8 cm; including group 2 resistant biotypes)

Mixing Instructions

Fill the tank to 1/3 full of clean water, and with the agitator running, add the required amount of Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Refine SG Herbicide or Refine SG Toss-N-Go Herbicide or Nufarm Boost Herbicide and continue to agitate for a minimum of 5 minutes to ensure that Refine Extra 75 DF Herbicide or Refine Extra 75 Toss-N-Go Herbicide or Refine SG Herbicide or Refine SG Toss-N-Go Herbicide or Nufarm Boost Herbicide is completely dissolved. Add the required amount of Nufarm Fluroxypyr Herbicide at a reduced agitation. Add the rest of the water and then add adjuvant. Use a spray volume of 100 L/ha.

Pre-Harvest/Grazing Intervals

- Livestock may not be grazed or fed crops within 7 days of application
- Do not harvest the treated crop within 60 days of application

NOTE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS: the DIRECTIONS FOR USE for this product for the use(s) described below were developed by persons other than Nufarm Agriculture Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Nufarm Agriculture Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crop(s) listed below.

Accordingly, the Buyer and User assume all risks related to performance and crop tolerance arising and agree to hold Nufarm Agriculture Inc. harmless from any claims based on efficacy and/or phytotoxicity in connection with the use(s) described below.

DIRECTIONS FOR USE

SEEDLING AND ESTABLISHED TALL FESCUE GROWN FOR SEED: Make one application per year, as a ground application only, for control of labelled weeds. Apply from the 4 leaf stage to flag leaf stage in a minimum of 100L water/ha. Do not harvest for forage or do not cut hay for forage.

Application rates (Apply as a tank-mix only): Nufarm Fluroxypyr Herbicide: 0.6 L/ha; 2,4-D Ester Herbicide: 560 g a.e. /ha

CONTROL OF LABELLED WEEDS IN SEEDLING AND ESTABLISHED FORAGE GRASSES GROWN FOR SEED IN THE PRAIRIE PROVINCES AND PEACE RIVER REGION OF BRITISH COLUMBIA ONLY:

Creeping Red Fescue
Intermediate Wheat Grass
Crested Wheat Grass
Meadow Brome Grass
Smooth Brome Grass
Timothy

Apply one application per year in a spray volume of 100-200 L/ha to control labelled weeds in seedling (4 leaf to flag leaf) or established forage grasses. Application should be made postemergence when weeds are in the 2-4 leaf stage. Apply in a broadcast spray using a hydraulic boom ground sprayer.

Application rates (Apply as a tank-mix only): Nufarm Fluroxypyr Herbicide: 0.6 L/ha; 2,4-D Ester Herbicide: 560 g a.e./ha

Do not harvest for forage or do not cut hay for forage.
Do not harvest treated crop within 60 days after application.

Refer to the main Nufarm Fluroxypyr Herbicide and 2,4-D Ester Herbicide labels for additional details and instructions, including preharvest intervals, before using.

READ THE ROTATIONAL CROPPING RESTRICTIONS ON THE FULL LABELS BEFORE USING THIS PRODUCT.

LABELLED ANNUAL AND PERENNIAL BROADLEAVED WEEDS IN CANARY SEED:

For the control of labelled annual and perennial broadleaved weeds in canary seed, apply Nufarm Fluroxypyr Herbicide at a rate of 0.6 L/ha and Nufarm MCPA Ester 600 Liquid Herbicide at 0.93 L/ha in a minimum of 100 L of water to thoroughly cover the weeds with a spray pressure of 200 to 275 kPa. Apply when weeds are in the seedling stage (2-4 leaf) and when

canary seed is in the 3-leaf stage up to just before the flag leaf emergence stage. Apply using a ground boom sprayer and apply only one post-emergent application per season. Do NOT apply within 60 days of harvest. For use in the Prairie Provinces and the Peace River regions ONLY of British Columbia.

Buffer zones:

Spot treatments using hand-held equipment **DO NOT** require a buffer zone.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of application	Crop	Buffer Zones (metres) Required for the Protection of:				
		Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial habitat
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field sprayer	Spring wheat, durum wheat, winter wheat, spring barley, oats, seedling and established fescue and forage grasses for seed and canary seed	1	0	1	1	1

For tank mixes, consult the labels of the tank-mix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

The buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the [Buffer Zone Calculator](#) on the Pesticides portion of the Canada.ca website.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Nufarm Fluroxypyr Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to Nufarm Fluroxypyr Herbicide and other Group 4 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of Nufarm Fluroxypyr Herbicide or other Group 4 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.

- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Nufarm Agriculture Inc. at 1-800-868-5444 or at www.nufarm.ca.

NOTICE TO USER: This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

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