

Boost™ M Herbicide

Tank Mix

- Nufarm Boost™ Herbicide (PCP No 30377)
- MCPA Ester 600 Liquid Herbicide (PCP No 27803)



Nufarm

Grow a better tomorrow.

Sleeve

GROUP	2	HERBICIDE
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**NUFARM
BOOST® HERBICIDE**

75% Water Dispersible Granules

AGRICULTURAL

FOR SALE FOR USE ON WHEAT (SPRING, WINTER OR DURUM), SPRING BARLEY AND OATS, AND
SEEDLING AND ESTABLISHED GRASS SPECIES FOR FORAGE AND SEED PRODUCTION ONLY

ACTIVE INGREDIENT:
Thifensulfuron-methyl ... 50%
Tribenuron-methyl ... 25%

WARNING: CONTAINS THE ALLERGENS MILK AND SULFITES

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

REGISTRATION NO.: **30377** PEST CONTROL PRODUCTS ACT

NET CONTENTS: (5 – Bulk) grams

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

BOOST® is a registered trademark of Nufarm Agriculture Inc.

PRECAUTIONS:

- **KEEP OUT OF REACH OF CHILDREN.**
- Avoid contact with skin, eyes and clothing. Wear goggles or face shield, coveralls, and suitable chemical resistant gloves during mixing and loading.
- Do not contaminate any body of water.
- May be harmful if swallowed, inhaled or absorbed through skin.
- Causes eye and skin irritation.
- When using, do not eat, drink or smoke. Wash skin thoroughly with soap and water after handling.
- Remove contaminated clothing immediately after use. Store and wash contaminated clothing separately from household laundry before re-use.
- Do not enter or allow worker re-entry treated fields for 12 hours after treatment.
- Do not apply by air.

FIRST AID

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.

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 SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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.

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

TOXICOLOGICAL INFORMATION: Treat symptomatically.

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.

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home. Keep container closed

DISPOSAL:

1. Make the empty container unsuitable for further use.
2. Dispose of the container in accordance with provincial requirements.

3. For information on the 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. The user assumes the risk to persons or property that arises from any such use of this product.

Booklet

GROUP	2	HERBICIDE
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PRECAUTIONS:

- **KEEP OUT OF REACH OF CHILDREN.**
- Avoid contact with skin, eyes and clothing. Wear goggles or face shield, coveralls, and suitable chemical resistant gloves during mixing and loading.
- Do not contaminate any body of water.
- May be harmful if swallowed, inhaled or absorbed through skin.
- Causes eye and skin irritation.
- When using, do not eat, drink or smoke. Wash skin thoroughly with soap and water after handling.
- Remove contaminated clothing immediately after use. Store and wash contaminated clothing separately from household laundry before re-use.
- Do not enter or allow worker re-entry treated fields for 12 hours after treatment.
- Do not apply by air.

FIRST AID

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.

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 SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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.

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

ENVIRONMENTAL PRECAUTIONS:

- Overspray or drift to important wildlife habits such as shelterbelts, wetlands, sloughs or dry slough borders and woodlots should be avoided. Leave a 15-meter buffer zone between the last spray swath and the edge of any of these habitats.
- Do not use on highly variable soils that have large gravelly or sand areas, eroded knolls, or calcium deposits.
- Do not remove soil from treated fields for use on lawns, in gardens or for back fill.
- Do not contaminate irrigation water. Do not apply to land where tail water will be used to irrigate cropland.

- Do not apply more than 20 g per hectare of **NUFARM BOOST® HERBICIDE** per crop year.

IMPORTANT

Injury to or loss of desirable trees or vegetation may result from failure to observe the following: Do not apply, drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Do not use on lawns, walks, driveways, recreational grounds or similar areas. Prevent drift of spray to desirable plants. Do not contaminate any body of water, including irrigation water that may be used on other crops.

DO NOT APPLY BY AIR.

Carefully observe sprayer clean-up instructions, as spray tank residues may damage crops other than wheat, barley or oats.

APPLY WITH A SURFACTANT REGISTERED FOR USE WITH **NUFARM BOOST HERBICIDE**.

GENERAL INFORMATION

NUFARM BOOST HERBICIDE is recommended for selective postemergence control or suppression of broadleaf weeds in wheat (spring, winter or durum), spring barley and oats not underseeded to legumes or grasses. **NUFARM BOOST HERBICIDE** is a 75% active ingredient herbicide formulated as a water dispersible granule. **NUFARM BOOST HERBICIDE** is to be mixed with water and a recommended surfactant and applied as a uniform broadcast spray. It is noncorrosive, nonflammable, nonvolatile and does not freeze.

NUFARM BOOST HERBICIDE MUST be applied with a recommended surfactant, early postemergence, to the main flush of actively growing broadleaf weeds. Recommended surfactants are AGRAL* 90, AG-SURF*, CITOWETT* PLUS and LIBERATE.

Warm, moist growing conditions promote active weed growth and enhance the activity of **NUFARM BOOST HERBICIDE** by allowing maximum foliar uptake and contact activity. Weeds hardened off by cold weather or drought stress may not be adequately controlled or suppressed and regrowth may occur. For best results, ensure thorough spray coverage of target weeds. See "DIRECTIONS FOR USE" section of this label for complete use details. **NUFARM BOOST HERBICIDE** stops growth of susceptible weeds rapidly. However, typical symptoms (discolouration) of dying weeds may not be noticeable for 1 to 3 weeks after application, depending upon growing conditions and weed susceptibility. Degree of control and duration of effect are dependent on weed sensitivity, weed size, crop competition, growing conditions at and following treatment, and spray coverage.

Canola, flax, lentils and alfalfa may be planted two months after an application of **NUFARM BOOST HERBICIDE**. Any crop may be planted in the year following the use of **NUFARM BOOST HERBICIDE**. One 320 g container of **NUFARM BOOST HERBICIDE** treats 16 ha.

IMPORTANT INFORMATION: READ BEFORE USING

Injury to or loss of desirable trees or vegetation may result from failure to observe the following:

- Do not apply, drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots.
- Do not use on lawns, walks, driveways, recreational grounds or similar areas.
- Prevent drift of spray to desirable plants.
- Do not contaminate any body of water, including irrigation water that may be used on other crops.
- Carefully observe sprayer clean-up instructions, as spray tank residues may damage crops other than wheat, spring barley or oats.

REPLANTING TO OTHER CROPS:

Minimum Crop Rotation Guidelines:

Minimum Interval	Crop
2 months	Canola, Flax, Lentils, Alfalfa
Next crop year	All crops

GRAZING/HARVEST RESTRICTIONS:

Wheat, spring barley or oats may not be grazed or fed to livestock within 7 days of application.

VARIETY RESTRICTIONS:

Limit use of **NUFARM BOOST HERBICIDE** to currently licensed varieties of wheat (spring, durum, winter), spring barley and oats. Consult **NUFARM AGRICULTURE INC.** prior to use on unlicensed varieties for crop tolerance information. **DO NOT USE ON LEGER SPRING BARLEY OR BELVEDERE WHEAT VARIETIES.**

APPLICATION INFORMATION:

APPLICATION PRECAUTIONS:

- **DO NOT APPLY BY AIR.**
- Do not apply to irrigated land where tail water will be used to irrigate cropland.
- Do not use on highly variable soils that have large gravelly or sandy areas, eroded knolls or calcium deposits.
- Overspray or drift to important wildlife habitats such as shelterbelts, wetlands, sloughs or dry slough borders and woodlots should be avoided. Leave a 15-meter buffer zone between the last spray swath and the edge of any of these habitats.
- Apply with an adjuvant registered for use with **NUFARM BOOST HERBICIDE.**
- Use only water as a carrier. Other carriers may accelerate breakdown of **NUFARM BOOST HERBICIDE** and reduce its effectiveness.
- Do not apply to crops underseeded to legumes or grasses as injury to forage may result.
- Application to crops that are stressed by severe weather conditions, frost, low fertility, water logged soil (soil at or near field capacity), disease or insect damage may result in crop injury. Drought, disease or insect damage following application may also result in crop injury.

- Under certain conditions, such as heavy rainfall, prolonged cool weather, frost or wide fluctuations in day/night temperatures, temporary lightening in crop colour, and occasionally, a slight reduction in crop height may occur.
- Do not apply more than 20 grams/hectare of **NUFARM BOOST HERBICIDE** per year.

APPLICATION INSTRUCTIONS:

Apply the spray mixture uniformly with properly calibrated ground equipment only. Ensure thorough coverage and a uniform spray pattern. Flat fan nozzles are recommended (minimum 55 litres spray volume per hectare). Use 50 mesh or larger filter screens (metal or nylon). A spray pressure of 210-275 kPa is recommended.

Continuous agitation is required to keep **NUFARM BOOST HERBICIDE** in suspension. Apply uniformly. Avoid overlapping and shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from over application.

DIRECTIONS FOR USE

WHEAT (SPRING, DURUM, WINTER), SPRING BARLEY AND OATS

NUFARM BOOST HERBICIDE	
LOCATION: Not restricted	
CROP(S): wheat (spring, durum, winter), spring barley and oats only	
TIMING: Post-emergent application from 2-leaf to flag leaf (shot blade) growth stage of crop, prior to head emergence, but before the crop canopy will prevent thorough coverage of target weeds. For best results apply to young, actively growing weeds that are less than 10 cm in height or diameter. Thorough coverage of target weeds is essential.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
Adjuvants: AGRAL 90, AG-SURF, CITOWETT PLUS, LIBERATE or NUFARM ENHANCE®	2 litres/1000 litres of spray solution
MIXING: Mixing order is NUFARM BOOST HERBICIDE, then adjuvant. Refer to MIXING DIRECTIONS section for general instructions	
WEEDS CONTROLLED annual smartweed (green smartweed, lady’s thumb)/ball mustard/chickweed ¹ /corn spurry/cow cockle/flixweed/groundsel (common)/hemp-nettle/kochia/lamb’s quarters/narrow-leaved hawk’s beard/redroot pigweed/Russian thistle/shepherd’s purse/stinkweed/tartary buckwheat/volunteer rapeseed ² /volunteer sunflower/wild buckwheat ³ /wild mustard	
Notes ¹ Apply when chickweed is small (1-6 leaf) and actively growing, but before crop canopy prevents thorough herbicide coverage of weeds. Chickweed emerging after application will not be controlled. ² NUFARM BOOST HERBICIDE alone will not control imazamox and imazethapyr tolerant canola (e.g., Clearfield* canola). ³ Apply to actively growing wild buckwheat in the cotyledon 1-3 leaf stage. Under environmental stress, such as dry weather, control may be reduced. Large plants may re-grow after treatment.	

WEEDS SUPPRESSED

Canada thistle⁴/cleavers (1-3 whorls)/round leaved mallow⁵/scentless chamomile/Sow thistle⁴/stork's bill (2-6 leaf)/toadflax⁶

Notes

⁴ Apply when the majority of 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. A single application will effectively inhibit the ability of emerged thistles to compete with the crop. Later emerging thistles will not be suppressed

⁵ Apply to actively growing round leaved mallow from the 2-6 leaf stage (10-12 cm in height).

NUFARM BOOST HERBICIDE will keep mallow stunted but may not reduce overall populations.

⁶ Apply to toadflax that is no larger than 15 cm in height. A control program for this weed includes both frequent tillage and chemical application.

NOTE: Rainfall within 4 hours of application of **NUFARM BOOST HERBICIDE** will result in reduced weed control.

NUFARM BOOST HERBICIDE + MCPA

LOCATION: Not restricted

CROP(S): wheat (spring, durum, winter), spring barley and oats only

TIMING: Post-emergent application from full 3-leaf to just before flag leaf (shot blade) growth stage of crop.

TANK MIX COMPONENTS AND APPLICATION RATES

NUFARM BOOST HERBICIDE	20 grams/hectare
MCPA Amine or Ester 500	0.7-1.1 litres/hectare (350-560 grams acid equivalent/hectare)
OR	
MCPA Ester 500	0.56 litres/hectare (280 grams acid equivalent/hectare)
Adjuvants: AGRAL 90, AG-SURF, CITOWETT PLUS or LIBERATE	2 litres/1000 litres of spray solution

MIXING: Mixing order is **NUFARM BOOST HERBICIDE**, then MCPA to the tank while maintaining agitation, then adjuvant.

Antifoaming agent may be required. Refer to MIXING DIRECTIONS section for general instructions.

WEEDS CONTROLLED BY NUFARM BOOST HERBICIDE+ MCPA AT 0.7-1.1 L/HA

annual smartweed (green smartweed, lady's thumb)/ball mustard/burdocks (seedling)/chickweed¹/cocklebur²/corn spurry/cow cockle/false ragweed²/flixweed/giant ragweed²/hare's-ear mustard/hemp-nettle/Indian mustard/kochia²/lamb's quarters/plantain (common)/prickly lettuce/ragweed²/redroot pigweed/Russian pigweed²/Russian thistle/shepherd's purse/stinkweed/tartary buckwheat/tumble mustard/volunteer rapeseed/wild buckwheat³/wild mustard/wild radish/wormseed mustard

WEEDS CONTROLLED NUFARM BOOST HERBICIDE+ MCPA ESTER 500 AT 0.56 L/HA

Weeds controlled by **NUFARM BOOST HERBICIDE** as well as volunteer imazamox and imazethapyr tolerant canola (e.g., Clearfield canola)(2-4 leaf stage)

Notes

¹ Apply when chickweed is small (1-6 leaf) and actively growing, but before crop canopy prevents thorough herbicide coverage of weeds. Chickweed emerging after application will not be controlled.

² Use minimum of 400 grams MCPA active ingredient per hectare.

³ Apply to actively growing wild buckwheat in the cotyledon 1-3 leaf stage. Under environmental stress, such as dry weather, control may be reduced. Large plants may re-grow after treatment.

WEEDS SUPPRESSED

Canada thistle⁴/round leaved mallow⁵/scentless chamomile/sow thistle⁴/stork's bill (2-6 leaf) (MCPA Ester only)

Notes

⁴ Apply when the majority of 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. A single application will effectively inhibit the ability of emerged thistles to compete with the crop. Later emerging thistles will not be suppressed.

⁵ Apply to actively growing round leaved mallow from the 2-6 leaf stage (10-12 cm in height).

NUFARM BOOST HERBICIDE + MCPA will keep mallow stunted but may not reduce overall populations.

NOTES: Ensure that **NUFARM BOOST HERBICIDE** is completely in suspension before adding MCPA. Consult the MCPA label for additional application instructions and use precautions.

WHEAT (SPRING, DURUM, WINTER) AND SPRING BARLEY

NUFARM BOOST HERBICIDE + 2,4-D AMINE or ESTER	
LOCATION: Not restricted	
CROP(S): wheat (spring, durum, winter) and spring barley only. DO NOT USE ON OATS	
TIMING: Post-emergent application from full 3-leaf to just before flag leaf (shot blade) growth stage of crop.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
Choose one of the following:	
1) 2,4-D Amine 500	0.84-1.1 litres/hectare
2) 2,4-D Ester LV700	0.6-0.8 litres/hectare
3) 2,4-D Ester LV600	0.7-0.9 litres/hectare
4) Acid equivalent.	

=420 – 550 gms active/ha.	
Adjuvants: AGRAL 90, AG-SURF, CITOWETT PLUS or LIBERATE	2 litres/1000 litres of spray solution
MIXING: Mixing order is NUFARM BOOST HERBICIDE , then 2,4-D to the tank while maintaining agitation, then adjuvant. Antifoaming agent may be required. Refer to MIXING DIRECTIONS section for general instructions.	
<p>WEEDS CONTROLLED</p> <p>annual smartweed (green smartweed, lady's thumb)/ball mustard/burdocks (seedling)/chickweed¹/cocklebur/common ragweed/corn spurry/cow cockle/false ragweed/flixweed/giant ragweed/hare's-ear mustard/hemp-nettle/Indian mustard/kochia/lamb's quarters/plantain (common)/prickly lettuce/redroot pigweed/Russian pigweed/Russian thistle/shepherd's purse/stinkweed/stork's bill (2-6 leaf) (2,4-D Ester only)/tartary buckwheat/tumble mustard/volunteer rapeseed²/wild buckwheat³/wild mustard/wild radish/wormseed mustard</p> <p>Notes</p> <p>¹ Apply when chickweed is small (1-6 leaf) and actively growing, but before crop canopy prevents thorough herbicide coverage of weeds. Chickweed emerging after application will not be controlled.</p> <p>² For imazamox and imazethapyr tolerant canola (e.g., Clearfield canola) consult the 2,4-D label for appropriate use rates.</p> <p>³ Apply to actively growing wild buckwheat in the cotyledon 1-3 leaf stage. Under environmental stress, such as dry weather, control may be reduced. Large plants may re-grow after treatment.</p>	
<p>WEEDS SUPPRESSED</p> <p>Canada thistle⁴/round leaved mallow⁵/scentless chamomile/sow thistle⁴/toadflax (2,4-D Ester only)</p> <p>Notes</p> <p>⁴ Apply when the majority of 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. NUFARM BOOST HERBICIDE+ 2,4-D will effectively inhibit the ability of emerged thistles to compete with the crop. Later emerging thistles will not be suppressed.</p> <p>⁵ Apply to actively growing round leaved mallow from the 2-6 leaf stage (10-12 cm in height). NUFARM BOOST HERBICIDE + 2,4-D will keep mallow stunted but may not reduce overall populations.</p> <p>NOTES: Ensure that NUFARM BOOST HERBICIDE is completely in suspension before adding 2,4-D. Consult the 2,4-D label for additional application instructions and use precautions.</p>	

SPRING WHEAT (INCLUDING DURUM) AND SPRING BARLEY

NUFARM BOOST HERBICIDE + ASSERT*	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) and spring barley only	
TIMING: Post-emergent application from 2-leaf to 6-leaf growth stage of crop. Apply to wild oats from the 1-4 leaf stage.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
ASSERT	1.3 litres/hectare for 1-3 leaf stage of wild oats 1.6 litres/hectare for 4-leaf stage of wild oats
No adjuvant required.	
MIXING: Mixing order is NUFARM BOOST HERBICIDE then Spray Water pH Adjuster then Assert.	
Ensure that NUFARM BOOST HERBICIDE is completely in suspension before adding pH Adjuster and that pH Adjuster is completely dissolved before adding Assert while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED Broadleaf weeds controlled by NUFARM BOOST HERBICIDE alone, as well as wild oats.	
NOTES: Use spray preparation within 12 hours or product degradation may occur. Consult the Assert label for additional application instructions, use precautions and recropping information.	

NUFARM BOOST HERBICIDE + ASSERT + MCPA Ester 500	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) and spring barley only	
TIMING: Post-emergent application from 4-leaf to 6-leaf growth stage of crop. Apply to wild oats from the 1-4 leaf stage.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
ASSERT	BROWN AND DARK BROWN SOIL ZONES 1.3 litres/hectare for 1-3 leaf stage of wild oats 1.6 litres/hectare for 4-leaf stage of wild oats BLACK AND GREY WOODDED SOIL ZONES 1.6 litres/hectare
MCPA Ester 500	0.7-1.1 litres/hectare (350-560 grams acid equivalent/hectare)
No adjuvant required.	
MIXING: Mixing order is NUFARM BOOST HERBICIDE then Spray Water pH Adjuster then Assert then MCPA Ester 500. Ensure that NUFARM BOOST HERBICIDE is completely in suspension	

before adding pH Adjuster and that pH Adjuster is completely dissolved before adding Assert, while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions.
WEEDS CONTROLLED Broadleaf weeds controlled by NUFARM BOOST HERBICIDE alone, as well as wild oats.
NOTES: Use spray preparation within 12 hours or product degradation may occur. Consult the Assert and MCPA Ester 500 labels for additional application instructions, use precautions and recropping information.

NUFARM BOOST HERBICIDE + COUGAR* 120 EC Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) and spring barley only	
TIMING: Post-emergent application from 1 to 6-leaf plus 3 tillers growth stage of spring and durum wheat; 1 to 5-leaf plus 2 tillers growth stage of spring barley. For annual grass weeds, apply from 1 to 6-leaf stage, up to emergence of third tiller.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
COUGAR 120 EC Herbicide	385 mL/hectare for green foxtail only 770mL/hectare for wild oats, green foxtail, yellow foxtail and barnyard grass
No adjuvant required	
MIXING: Mixing order is NUFARM BOOST HERBICIDE then COUGAR 120 EC Herbicide, while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as green foxtail, yellow foxtail, barnyard grass and wild oats.	
NOTES: Consult the COUGAR 120 EC Herbicide label for additional information on appropriate weed staging, application instructions, environmental and use precautions.	

NUFARM BOOST HERBICIDE + CORDON® Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) and spring barley only	
TIMING: Post-emergent application from 1 to 6-leaf plus 3 tillers growth stage of spring and durum wheat; 1 to 5-leaf plus 2 tillers growth stage of spring barley. For annual grass weeds, apply from 1 to 6-leaf stage, up to emergence of third tiller.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
CORDON Herbicide	385 mL/hectare for green foxtail only 770mL/hectare for wild oats, green foxtail, yellow foxtail and barnyard grass
No adjuvant required	
MIXING: Mixing order is NUFARM BOOST HERBICIDE then CORDON Herbicide, while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as	

green foxtail, yellow foxtail, barnyard grass and wild oats.

NOTES: Consult the CORDON Herbicide label for additional information on appropriate weed staging, application instructions, environmental and use precautions.

NUFARM BOOST HERBICIDE + PUMA* 120 SUPER

LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.

CROP(S): spring wheat (including durum) and spring barley only

TIMING: Post-emergent application from 1 to 6-leaf plus 3 tillers growth stage of spring and durum wheat; 1 to 5-leaf plus 2 tillers growth stage of spring barley.
For annual grass weeds, apply from 1 to 6-leaf stage, up to emergence of third tiller.

TANK MIX COMPONENTS AND APPLICATION RATES

NUFARM BOOST HERBICIDE	20 grams/hectare
PUMA 120 SUPER	385 mL/hectare for green foxtail only 770mL/hectare for wild oats, green foxtail, yellow foxtail and barnyard grass

No adjuvant required

MIXING: Mixing order is **NUFARM BOOST HERBICIDE** then Puma 120 Super, while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions.

WEEDS CONTROLLED

Broadleaf weeds controlled or suppressed by **NUFARM BOOST HERBICIDE** alone, as well as green foxtail, yellow foxtail, barnyard grass and wild oats.

NOTES: Consult the Puma 120 Super label for additional information on appropriate weed staging, application instructions, environmental and use precautions.

NUFARM BOOST HERBICIDE + COUGAR 120 EC Herbicide + MCPA Ester 500

LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.

CROP(S): spring wheat (including durum) and spring barley only

TIMING: Post-emergent application from 1 to 6-leaf plus 3 tillers growth stage of spring and durum wheat; 1 to 5-leaf plus 2 tillers growth stage of spring barley. For annual grass weeds, apply from 1 to 6-leaf stage, up to emergence of third tiller.

TANK MIX COMPONENTS AND APPLICATION RATES

NUFARM BOOST HERBICIDE	20 grams/hectare
COUGAR 120 EC Herbicide	385 mL/hectare for green foxtail only 770mL/hectare for wild oats, green foxtail, yellow foxtail and barnyard grass
MCPA Ester 500	560 mL/hectare for volunteer imazamox and imazethapyr tolerant canola (e.g., Clearfield canola)(2-4 leaf stage). 840 mL/hectare for weeds controlled by MCPA Ester 500 at this rate.

No adjuvant required

MIXING: Mixing order is **NUFARM BOOST HERBICIDE** then COUGAR 120 EC Herbicide, then MCPA Ester 500 while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions.

WEEDS CONTROLLED

Broadleaf weeds controlled or suppressed by **NUFARM BOOST HERBICIDE** alone: green foxtail, yellow foxtail, barnyard grass and wild oats as well as weeds controlled by MCPA Ester 500 at 840 mL/hectare or volunteer imazamox and imazethapyr tolerant canola (e.g., Clearfield canola)(2-4 leaf stage) when MCPA Ester 500 is applied at 560 mL/hectare.

NOTES: Consult the MCPA Ester 500 and COUGAR 120 EC Herbicide labels for additional information on appropriate weed staging, application instructions, environmental and use precautions.

NUFARM BOOST HERBICIDE + CORDON Herbicide + MCPA Ester 500

LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.

CROP(S): spring wheat (including durum) and spring barley only

TIMING: Post-emergent application from 1 to 6-leaf plus 3 tillers growth stage of spring and durum wheat; 1 to 5-leaf plus 2 tillers growth stage of spring barley. For annual grass weeds, apply from 1 to 6-leaf stage, up to emergence of third tiller.

TANK MIX COMPONENTS AND APPLICATION RATES

NUFARM BOOST HERBICIDE	20 grams/hectare
CORDON Herbicide	385 mL/hectare for green foxtail only 770mL/hectare for wild oats, green foxtail, yellow foxtail and barnyard grass
MCPA Ester 500	560 mL/hectare for volunteer imazamox and imazethapyr tolerant canola (e.g., Clearfield canola)(2-4 leaf stage). 840 mL/hectare for weeds controlled by MCPA Ester 500 at this rate.

No adjuvant required

MIXING: Mixing order is **NUFARM BOOST HERBICIDE** then CORDON Herbicide, then MCPA Ester 500 while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions.

WEEDS CONTROLLED

Broadleaf weeds controlled or suppressed by **NUFARM BOOST HERBICIDE** alone: green foxtail, yellow foxtail, barnyard grass and wild oats as well as weeds controlled by MCPA Ester 500 at 840 mL/hectare or volunteer imazamox and imazethapyr tolerant canola (e.g., Clearfield canola)(2-4 leaf stage) when MCPA Ester 500 is applied at 560 mL/hectare.

NOTES: Consult the MCPA Ester 500 and CORDON Herbicide labels for additional information on appropriate weed staging, application instructions, environmental and use precautions.

NUFARM BOOST HERBICIDE + PUMA 120 SUPER + MCPA Ester 500

LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.

CROP(S): spring wheat (including durum) and spring barley only

TIMING: Post-emergent application from 1 to 6-leaf plus 3 tillers growth stage of spring and durum wheat; 1 to 5-leaf plus 2 tillers growth stage of spring barley. For annual grass weeds, apply from 1 to 6-leaf stage, up to emergence of third tiller.

TANK MIX COMPONENTS AND APPLICATION RATES

NUFARM BOOST HERBICIDE	20 grams/hectare
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volunteer flax cleavers	1-8 cm 1-4 whorls
<p>NOTES: Do not apply this tank mixture more often than once every 2 years. Do not graze the treated crops or cut for hay within 77 days of application. Consult the Accord label for rotational cropping restrictions, application instructions, use precautions and other restrictions. Refer to the Accord label for additional information on appropriate weed staging at application. Thorough coverage of foliage is important for consistent weed control.</p>	

NUFARM BOOST HERBICIDE + ACCORD + COUGAR 120 EC Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) and spring barley (grown for feed purposes only) NOT UNDERSEEDED TO FORAGES	
TIMING: Post-emergent application from 2 to 5-leaf growth stage of spring and durum wheat or to barley at the 2 to 4-leaf stage. See below for weed staging.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
ACCORD	67 grams/hectare for cleavers only
COUGAR 120 EC Herbicide	0.77 litres per hectare
MIXING: Mixing order is NUFARM BOOST HERBICIDE then Accord then COUGAR 120 EC Herbicide . Merge adjuvant is NOT required in this tank mixture. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as: Wild oats, green foxtail, barnyard grass – 1 - 6-leaf stage up to emergence of third tiller Cleavers 1-4 whorls	
NOTES: Do not apply this tank mixture more often than once every 2 years. Do not graze the treated crops or cut for hay within 77 days (spring wheat, durum) or 80 days (spring barley) of application. Consult the Accord label for rotational cropping restrictions, application instructions, use precautions and other restrictions. Refer to the Accord and COUGAR 120 EC Herbicide labels for additional information on appropriate weed staging at application. Thorough coverage of foliage is important for consistent weed control.	

NUFARM BOOST HERBICIDE + ACCORD + CORDON Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) and spring barley (grown for feed purposes only) NOT UNDERSEEDED TO FORAGES	
TIMING: Post-emergent application from 2 to 5-leaf growth stage of spring and durum wheat or to barley at the 2 to 4-leaf stage. See below for weed staging.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
ACCORD	67 grams/hectare for cleavers only
CORDON Herbicide	0.77 litres per hectare
MIXING: Mixing order is NUFARM BOOST HERBICIDE then Accord then CORDON Herbicide . Merge adjuvant is NOT required in this tank mixture. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	

Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as: Wild oats, green foxtail, barnyard grass – 1 - 6-leaf stage up to emergence of third tiller Cleavers 1-4 whorls
NOTES: Do not apply this tank mixture more often than once every 2 years. Do not graze the treated crops or cut for hay within 77 days (spring wheat, durum) or 80 days (spring barley) of application. Consult the Accord label for rotational cropping restrictions, application instructions, use precautions and other restrictions. Refer to the Accord and CORDON Herbicide labels for additional information on appropriate weed staging at application. Thorough coverage of foliage is important for consistent weed control.

NUFARM BOOST HERBICIDE + ACCORD + Puma 120 Super	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) and spring barley (grown for feed purposes only) NOT UNDERSEEDED TO FORAGES	
TIMING: Post-emergent application from 2 to 5-leaf growth stage of spring and durum wheat or to barley at the 2 to 4-leaf stage. See below for weed staging.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
ACCORD	67 grams/hectare for cleavers only
Puma 120 Super	0.77 litres per hectare
MIXING: Mixing order is NUFARM BOOST HERBICIDE then Accord then Puma 120 Super. Merge adjuvant is NOT required in this tank mixture. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as: Wild oats, green foxtail, barnyard grass – 1 - 6-leaf stage up to emergence of third tiller Cleavers 1-4 whorls	
NOTES: Do not apply this tank mixture more often than once every 2 years. Do not graze the treated crops or cut for hay within 77 days (spring wheat, durum) or 80 days (spring barley) of application. Consult the Accord label for rotational cropping restrictions, application instructions, use precautions and other restrictions. Refer to the Accord and Puma 120 Super labels for additional information on appropriate weed staging at application. Thorough coverage of foliage is important for consistent weed control.	

NUFARM BOOST HERBICIDE + Nufarm Fluroxypyr Herbicide+ 2,4-D Ester 700		
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.		
CROP(S): spring wheat (including durum wheat) and spring barley not underseeded to legumes		
TIMING: Post-emergent application from the 4-leaf to flag-leaf stage of spring wheat (including durum) or spring barley and seedling stage to 4-leaf/whorls of weed.		
TANK MIX COMPONENTS AND APPLICATION RATES		
NUFARM BOOST HERBICIDE		20 grams/hectare
	Nufarm Fluroxypyr Herbicide	0.30 L/ha
	2,4-D Ester 700	0.42 L/ha
Adjuvants: AGRAL 90, AG-SURF or CITOWETT PLUS or LIBERATE		2L/1000 litres of spray solution

MIXING: Mixing order is NUFARM BOOST HERBICIDE , then Nufarm Fluroxypyr Herbicide then 2,4-D Ester 700, then surfactant. Refer to MIXING DIRECTIONS section for general instructions. Use a spray volume of 100 L/ha.
WEEDS CONTROLLED
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as cleavers (excluding Group 2 resistant cleavers).
NOTES: 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 prior to slaughter. Do not harvest the treated mature crop within 60 days after application. Consult the Attain Herbicide Tank Mix labels for additional application instructions and use precautions.

NUFARM BOOST HERBICIDE + ATTAIN* HERBICIDE TANK MIX		
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.		
CROP(S): spring wheat (including durum) and spring barley, not underseeded to legumes		
TIMING: Post-emergent application from the 4-leaf to flag-leaf stage of spring wheat (including durum) or spring barley and seedling stage to 4-leaf/whorls of weed.		
TANK MIX COMPONENTS AND APPLICATION RATES		
NUFARM BOOST HERBICIDE		20 grams/hectare
Attain Herbicide Tank Mix	ATTAIN A (fluroxypyr)	Attain A - 0.30 L/ha
	ATTAIN B (2,4-D Ester)	Attain B - 0.50 L/ha
Adjuvants: AGRAL 90, AG-SURF, CITOWETT PLUS or LIBERATE		2L/1000 litres of spray solution
MIXING: Mixing order is NUFARM BOOST HERBICIDE , then Attain A, then Attain B then surfactant. Refer to MIXING DIRECTIONS section for general instructions. Use a spray volume of 100 L/ha.		
WEEDS CONTROLLED		
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as cleavers (excluding Group 2 resistant cleavers).		
NOTES: 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 prior to slaughter. Do not harvest the treated mature crop within 60 days after application. Consult the Attain Herbicide Tank Mix labels for additional application instructions and use precautions.		

SPRING WHEAT (EXCLUDING DURUM) AND SPRING BARLEY

NUFARM BOOST HERBICIDE + AXIAL* 100EC Herbicide		
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.		
CROP(S): spring wheat (including durum) and spring barley only		
TIMING: Post-emergent application from 1 to flag leaf. For annual grass weeds, apply from 1 to 6-leaf stage, up to emergence of 4th tiller.		
TANK MIX COMPONENTS AND APPLICATION RATES		

NUFARM BOOST HERBICIDE	20 grams/hectare
AXIAL 100 EC Herbicide	400 mL/hectare for Persian darnel only 600mL/hectare for wild oats, volunteer oats, green foxtail, yellow foxtail, volunteer canary seed, and proso millet.
ADIGOR* Adjuvant Or MERGE* Adjuvant	700 mL/hectare
MIXING: Mixing order is NUFARM BOOST HERBICIDE then Axial 100 EC Herbicide, then Adigor or Merge, while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, plus wild oats, volunteer oats, green foxtail, yellow foxtail, Persian darnel, volunteer canary seed, and proso millet.	
NOTES: Do not harvest within 60 days for grain and straw and 30 days for hay. Do not graze treated crop for 7 days after application. Consult AXIAL 100 EC Herbicide label for additional information on appropriate weed staging, application instructions, environmental and use precautions.	

NUFARM BOOST HERBICIDE + AXIAL 100EC Herbicide + MCPA Ester 500	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) and spring barley only	
TIMING: Post-emergent application from 1 to flag leaf. For annual grass weeds, apply from 1 to 6-leaf stage, up to emergence of 4 th tiller.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
AXIAL 100 EC Herbicide	400 mL/hectare for Persian darnel only 600mL/hectare for wild oats, volunteer oats, green foxtail, yellow foxtail, volunteer canary seed, and proso millet.
MCPA Ester 500	560 mL/hectare for volunteer imazamox and imazethapyr tolerant canola (e.g. Clearfield canola)(2-4 leaf stage). 700 mL/hectare for weeds controlled by MCPA Ester at this rate
ADIGOR Adjuvant OR MERGE Adjuvant	700 mL/hectare
MIXING: Mixing order is NUFARM BOOST HERBICIDE then Axial 100 EC Herbicide, then MCPA Ester 500, and finally Adigor or Merge, while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as weeds controlled by MCPA Ester 500 at 700 mL/hectare, or volunteer imazamox and imazethapyr tolerant canola (e.g. Clearfield canola) (2-4 leaf stage) when applied at 560	

mL/hectare, plus wild oats, volunteer oats, green foxtail, yellow foxtail, Persian dandelion, volunteer canary seed, and proso millet.
NOTES: Do not harvest within 60 days for grain and straw and 30 days for hay. Do not graze treated crop for 7 days after application. Consult AXIAL 100 EC Herbicide and MCPA Ester labels for additional information on appropriate weed staging, application instructions, environmental and use precautions.

NUFARM BOOST HERBICIDE + BANVEL* II Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (excluding durum) and spring barley only, not underseeded to forages	
TIMING: Post-emergent application from the 2-5 leaf stage of spring wheat or spring barley and seedling stage to 8 leaf stage of kochia.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
Banvel II Herbicide	0.110 litres/hectare
Adjuvants: AGRAL 90, AG-SURF, CITOWETT PLUS or LIBERATE	2 litres/1000 litres of spray solution
MIXING: Mixing order is NUFARM BOOST HERBICIDE then Banvel II Herbicide then adjuvant. Refer to MIXING DIRECTIONS section for general instructions. Use minimum volume of 55 L/ha.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as kochia (including Group 2 resistant kochia).	
NOTES: Do not permit lactating dairy animals to graze fields within 7 days after application. Consult the Banvel II Herbicide label for additional application instructions and use precautions.	

NUFARM BOOST HERBICIDE + CURTAIL* M	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (excluding durum) and spring barley only	
TIMING: Post-emergent application from the full 3-leaf growth stage of spring wheat or spring barley.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
CURTAIL M	1.5 litres/hectare
Adjuvants: AGRAL 90, AG-SURF, CITOWETT PLUS or LIBERATE	2 litres/1000 litres of spray solution
MIXING: Mixing order is NUFARM BOOST HERBICIDE , then Curtail M, while maintaining agitation, then adjuvant, to the tank. Antifoaming agent may be required. Refer to MIXING DIRECTIONS section for general instructions	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as Canada thistle ¹ and wild buckwheat ² .	
Notes	
¹ Apply when the majority of thistles have emerged and are actively growing. For best control, apply before bud stage when thistles are no larger than 15 cm in height and before crop canopy prevents thorough coverage of thistles. Later emerging thistles will not be controlled.	

² Apply to actively growing wild buckwheat in the cotyledon to 5-leaf stage. Under environmental stress, such as dry weather, control may be reduced. Large plants may re-grow after treatment.

NOTES: Consult the Curtail M label for additional application instructions and use precautions.

NUFARM BOOST HERBICIDE + LONTREL* 360	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): Spring wheat (excluding durum) and spring barley only	
TIMING: Post-emergent application from the full 3-leaf to the flag leaf growth stage of spring wheat or spring barley.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
LONTREL 360	0.21 litres/hectare
Adjuvants: AGRAL 90, AG-SURF, CITOWETT PLUS or LIBERATE	2 litres/1000 litres of spray solution
MIXING: Mixing order is NUFARM BOOST HERBICIDE , then Lontrel 360, to the tank while maintaining agitation, then adjuvant. Antifoaming agent may be required. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as Canada thistle ¹ (seasonal control) and wild buckwheat ² .	
Notes	
¹ Apply when the majority of thistles have emerged and are actively growing. For best control, apply before bud stage when thistles are no larger than 15 cm in height and before crop canopy prevents thorough coverage of thistles. Later emerging thistles will not be controlled.	
² Apply to actively growing wild buckwheat in the cotyledon to 5-leaf stage. Under environmental stress, such as dry weather, control may be reduced. Large plants may re-grow after treatment.	
NOTES: Consult the Lontrel 360 label for additional application instructions and use precautions.	

NUFARM BOOST HERBICIDE + LONTREL 360 + 2,4-D ESTER or MCPA ESTER	
LOCATION: Western Canada only.	
CROP(S): spring wheat (excluding durum) and spring barley only	
TIMING: Post-emergent application from full 3-leaf to just before flag leaf (shot blade) growth stage of crop.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
Lontrel 360	0.21 litres/hectare
Choose one of the following:	
1) MCPA Ester (500 g/L)	0.84 litres/hectare
2) 2,4-D Ester (600 g/L)	0.7 litres/hectare
Adjuvants: AGRAL 90, AG-SURF, CITOWETT PLUS or LIBERATE	2 litres/1000 litres of spray solution

MIXING: Mixing order is NUFARM BOOST HERBICIDE first in fresh water, then Lontrel 360 then 2,4-D Ester or MCPA Ester then adjuvant. Refer to MIXING DIRECTIONS section for general instructions.
WEEDS CONTROLLED All other weeds controlled by NUFARM BOOST HERBICIDE alone, as well as Canada thistle ¹ , lady's thumb, perennial sow thistle, stinkweed, volunteer canola, wild buckwheat and wild mustard.
Notes ¹ Provides seasonal control of Canada thistle.
WEEDS SUPPRESSED All other weeds suppressed by NUFARM BOOST HERBICIDE alone, as well as cleavers.
NOTES: Consult the Lontrel 360 and MCPA Ester or 2,4-D Ester labels for additional application instructions, use Precautions and other label restrictions.

SPRING WHEAT (INCLUDING DURUM)

NUFARM BOOST HERBICIDE + BULLWHIP 240EC Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only	
CROP(S): spring wheat (including durum) only	
TIMING: Post-emergent application from 2-leaf to flag leaf growth stage of the crop.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
BULLWHIP 240EC Herbicide	230 mL/hectare for wild oats 290 mL/hectare for wild oats and green foxtail
Adjuvant: XA Oil Concentrate	800 mL/hectare for low rate of Bullwhip 240EC 1.0 litre/hectare for high rate of Bullwhip 240EC
MIXING: Mixing order is NUFARM BOOST HERBICIDE then BULLWHIP 240 EC Herbicide then XA Oil Concentrate. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as wild oats and green foxtail.	
NOTES: Consult the BULLWHIP 240EC Herbicide label for application instructions and use precautions.	

NUFARM BOOST HERBICIDE + SIGNAL Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only	
CROP(S): spring wheat (including durum) only	
TIMING: Post-emergent application from 2-leaf to flag leaf growth stage of the crop.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
SIGNAL Herbicide	230 mL/hectare for wild oats 290 mL/hectare for wild oats and green foxtail
Nufarm Enhance Adjuvant	2.5/1000 L (0.25% v/v) for low rate of SIGNAL Herbicide 3.2 L/1000 L (0.32% v/v) for high rate of SIGNAL Herbicide
MIXING: Mixing order is NUFARM BOOST HERBICIDE then SIGNAL Herbicide then Nufarm Enhance Adjuvant. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions.	

WEEDS CONTROLLED

Broadleaf weeds controlled or suppressed by **NUFARM BOOST HERBICIDE** alone, as well as wild oats and green foxtail.

NOTES: Consult the SIGNAL Herbicide label for application instructions and use precautions.

NUFARM BOOST HERBICIDE + HORIZON* 240 EC HERBICIDE TANK MIX

LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only

CROP(S): spring wheat (including durum) only

TIMING: Post-emergent application from 2-leaf to flag leaf growth stage of the crop.

TANK MIX COMPONENTS AND APPLICATION RATES

NUFARM BOOST HERBICIDE	20 grams/hectare
HORIZON 240 EC	230 mL/hectare for wild oats 290 mL/hectare for wild oats and green foxtail
Adjuvant: SCORE* only	800 mL/hectare for low rate of Horizon 240 EC 1.0 litre/hectare for high rate of Horizon 240 EC

MIXING: Mixing order is **NUFARM BOOST HERBICIDE** then Horizon 240 EC **HERBICIDE TANK MIX** then Score adjuvant. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions.

WEEDS CONTROLLED

Broadleaf weeds controlled or suppressed by **NUFARM BOOST HERBICIDE** alone, as well as wild oats and green foxtail.

NOTES: Consult the Horizon 240 EC HERBICIDE TANK MIX label for application instructions and use precautions.

NUFARM BOOST HERBICIDE + MCPA ESTER 500 + BULLWHIP* 240EC Herbicide

LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.

CROP(S): spring wheat (including durum) only

TIMING: Post-emergent application from 3-leaf to flag leaf growth stage of the crop. Apply to actively growing wild oats from the 1 to 6-leaf stage, prior to emergence of the 4th tiller and to green foxtail from the 1 to 5-leaf stage, prior to emergence of the 3rd tiller.

TANK MIX COMPONENTS AND APPLICATION RATES

NUFARM BOOST HERBICIDE	20 grams/hectare
MCPA ESTER 500	0.84-1.1 litres/hectare or 0.56 litres/hectare
BULLWHIP 240EC Herbicide	230 mL/hectare
Adjuvant: XA Oil Concentrate	8 litres/1000 litres of spray solution (0.8% v/v)

MIXING: Mixing order is **NUFARM BOOST HERBICIDE** then BULLWHIP 240EC Herbicide, then MCPA Ester 500 then XA Oil Concentrate. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions.

WEEDS CONTROLLED

Green foxtail¹
Wild oats

PLUS broadleaf weeds controlled or suppressed by **NUFARM BOOST HERBICIDE** and broadleaf weeds controlled by MCPA Ester 500 at 0.84-1.1 L per hectare or volunteer imazamox and imazethapyr tolerant canola (e.g. Clearfield canola) (2-4 leaf stage) when MCPA is applied at

0.56 L per hectare.

Notes

¹ A reduction in control of green foxtail may be observed with the tankmix of **NUFARM BOOST HERBICIDE** + MCPA Ester 500 + BULLWHIP 240EC Herbicide.

NOTES: Consult the MCPA Ester 500 and BULLWHIP 240EC label for application instructions and use precautions.

NUFARM BOOST HERBICIDE + MCPA ESTER 500 + SIGNAL® Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) only	
TIMING: Post-emergent application from 3-leaf to flag leaf growth stage of the crop. Apply to actively growing wild oats from the 1 to 6-leaf stage, prior to emergence of the 4th tiller and to green foxtail from the 1 to 5-leaf stage, prior to emergence of the 3rd tiller.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
MCPA ESTER 500	0.84-1.1 litres/hectare or 0.56 litres/hectare
SIGNAL Herbicide	230 mL/hectare
Nufarm Enhance Adjuvant	2.5 litres/1000 litres of spray solution (0.25% v/v)
MIXING: Mixing order is NUFARM BOOST HERBICIDE then SIGNAL Herbicide then MCPA Ester 500 then Nufarm Enhance Adjuvant. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED Green foxtail ¹ Wild oats	
PLUS broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE and broadleaf weeds controlled by MCPA Ester 500 at 0.84-1.1 L per hectare or volunteer imazamox and imazethapyr tolerant canola (e.g. Clearfield canola) (2-4 leaf stage) when MCPA is applied at 0.56 L per hectare.	
Notes	
¹ A reduction in control of green foxtail may be observed with the tankmix of NUFARM BOOST HERBICIDE + MCPA Ester 500 + SIGNAL Herbicide.	
NOTES: Consult the MCPA Ester 500 and SIGNAL Herbicide label for application instructions and use precautions.	

NUFARM BOOST HERBICIDE + MCPA ESTER 500 + HORIZON 240 EC HERBICIDE TANK MIX	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) only	
TIMING: Post-emergent application from 3-leaf to flag leaf growth stage of the crop. Apply to actively growing wild oats from the 1 to 6-leaf stage, prior to emergence of the 4th tiller and to green foxtail from the 1 to 5-leaf stage, prior to emergence of the 3rd tiller.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
MCPA ESTER 500	0.84-1.1 litres/hectare or 0.56 litres/hectare
HORIZON 240 EC	230 mL/hectare
Adjuvant: SCORE only	8 litres/1000 litres of spray solution (0.8% v/v)

<p>MIXING: Mixing order is NUFARM BOOST HERBICIDE then Horizon 240 EC then MCPA Ester 500 then Score adjuvant. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions.</p>
<p>WEEDS CONTROLLED Green foxtail¹ Wild oats</p> <p>PLUS broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE and broadleaf weeds controlled by MCPA Ester 500 at 0.84-1.1 L per hectare or volunteer imazamox and imazethapyr tolerant canola (e.g. Clearfield canola) (2-4 leaf stage) when MCPA is applied at 0.56 L per hectare.</p> <p>Notes ¹ A reduction in control of green foxtail may be observed with the tank mix of NUFARM BOOST HERBICIDE + MCPA Ester 500 + Horizon 240 EC HERBICIDE TANK MIX.</p> <p>NOTES: Consult the MCPA Ester 500 and Horizon 240 EC HERBICIDE TANK MIX label for application instructions and use precautions.</p>

NUFARM BOOST HERBICIDE + ACCORD + BULLWHIP 240EC Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) only	
TIMING: Make application from 2 to 5-leaf leaf growth stage of the crop. Apply to actively growing wild oats from the 1 to 6-leaf stage, prior to emergence of the 4th tiller and to green foxtail from the 1 to 5-leaf stage, prior to emergence of the 3rd tiller. Thorough coverage of foliage is important for consistent weed control.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
ACCORD Herbicide	67 grams/hectare
BULLWHIP 240EC Herbicide	L/hectare
Adjuvant: XA Oil Concentrate	8 litres/1000 litres of spray solution (0.8% v/v)
MIXING: Mixing order is NUFARM BOOST HERBICIDE , then Accord then Bullwhip 240EC Herbicide then XA Oil Concentrate. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE , wild oats, green foxtail, and cleavers (1-4 whorl).	
NOTES: Prior to use, consult the Accord label for additional rotational cropping restrictions, application instructions, use precautions, and other restrictions. Do not graze treated crops or cut for hay within 77 days of application.	

NUFARM BOOST HERBICIDE + ACCORD + SIGNAL Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) only	
TIMING: Make application from 2 to 5-leaf leaf growth stage of the crop. Apply to actively growing wild oats from the 1 to 6-leaf stage, prior to emergence of the 4th tiller and to green foxtail from the 1 to 5-leaf stage, prior to emergence of the 3rd tiller. Thorough coverage of foliage is important for consistent weed control.	
TANK MIX COMPONENTS AND APPLICATION RATES	

NUFARM BOOST HERBICIDE	20 grams/hectare
ACCORD Herbicide	67 grams/hectare
SIGNAL Herbicide	230 mL/hectare
Nufarm Enhance Adjuvant	2.5 litres/1000 litres of spray solution (0.25% v/v)
MIXING: Mixing order is NUFARM BOOST HERBICIDE , then Accord then SIGNAL Herbicide then Nufarm Enhance Adjuvant. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE , wild oats, green foxtail, and cleavers (1-4 whorl).	
NOTES: Prior to use, consult the Accord label for additional rotational cropping restrictions, application instructions, use precautions, and other restrictions. Do not graze treated crops or cut for hay within 77 days of application.	

NUFARM BOOST HERBICIDE + ACCORD + HORIZON 240 EC HERBICIDE TANK MIX	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (including durum) only	
TIMING: Make application from 2 to 5-leaf leaf growth stage of the crop. Apply to actively growing wild oats from the 1 to 6-leaf stage, prior to emergence of the 4 th tiller and to green foxtail from the 1 to 5-leaf stage, prior to emergence of the 3 rd tiller. Thorough coverage of foliage is important for consistent weed control.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
ACCORD Herbicide	67 grams/hectare
HORIZON 240 EC	230 mL/hectare
Adjuvant: SCORE only	8 litres/1000 litres of spray solution (0.8% v/v)
MIXING: Mixing order is NUFARM BOOST HERBICIDE , then Accord then Horizon 240 EC HERBICIDE TANK MIX then Score adjuvant. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE , wild oats, green foxtail, and cleavers (1-4 whorl).	
NOTES: Prior to use, consult the Accord label for additional rotational cropping restrictions, application instructions, use precautions, and other restrictions. Do not graze treated crops or cut for hay within 77 days of application.	

SPRING WHEAT (EXCLUDING DURUM)

NUFARM BOOST HERBICIDE + ACCORD + AVENGE* 200-C	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (excluding durum) only NOT UNDERSEED TO FORAGES	
TIMING: Post-emergent application from 2 to 5-leaf growth stage of the crop.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
ACCORD	135 grams/hectare for most weeds listed

	below 165 grams/hectare for green foxtail
AVENGE 200-C	3.5 litres/hectare
Adjuvant: MERGE only	10 litres/1000 litres of spray solution (1.0% v/v)
MIXING: Mixing order is NUFARM BOOST HERBICIDE , then Accord, then Avenge 200-C while maintaining agitation, then MERGE adjuvant. DO NOT USE ADDITIONAL NONIONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED Weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone and the NUFARM BOOST HERBICIDE + Accord tank mix, as well as wild oats at populations between 1 and 200 plants per square meter.	
NOTES: Do not apply this tank mixture more often than once every 2 years. Do not graze treated crops or cut for hay within 77 days of application. Consult the Accord label for rotational cropping restrictions, application instructions, use precautions and other restrictions. Refer to the Accord and Avenge 200-C labels for additional information on appropriate weed staging and populations at application. Thorough coverage of foliage is important for consistent weed control. Avenge 200-C can cause some crop injury. Always refer to the Accord and Avenge 200-C labels for additional application instructions, use precautions and restrictions.	

NUFARM BOOST HERBICIDE + BULLWHIP 240EC Herbicide + BANVEL II Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (excluding durum) only, not underseeded to legumes	
TIMING: Post-emergent application from the 2-5 leaf stage of spring wheat and seedling stage to 8-leaf stage of kochia.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
BULLWHIP 240EC Herbicide	0.230 L/Ha
Banvel II Herbicide	0.110 L/Ha
Adjuvant: XA Oil Concentrate	0.8 L/Ha
MIXING: Mixing order is NUFARM BOOST HERBICIDE then Banvel II Herbicide then BULLWHIP 240EC Herbicide then XA Oil Concentrate. Refer to MIXING DIRECTIONS section for general instructions. Use minimum volume of 55 L/ha.	
WEEDS CONTROLLED Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as kochia (including Group 2 resistant kochia), green foxtail and wild oats.	
NOTES: Do not permit lactating dairy animals to graze fields within 7 days after application. Consult the Banvel II Herbicide and BULLWHIP 240EC Herbicide labels for additional application instructions and use precautions.	

NUFARM BOOST HERBICIDE + SIGNAL Herbicide + BANVEL II Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (excluding durum) only, not underseeded to legumes	
TIMING: Post-emergent application from the 2-5 leaf stage of spring wheat and seedling stage to 8-leaf stage of kochia.	

TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
SIGNAL Herbicide	0.230 L/Ha
Banvel II Herbicide	0.110 L/Ha
Nufarm Enhance Adjuvant	2.5/1000 L of spray solution (0.25% v/v)
MIXING: Mixing order is NUFARM BOOST HERBICIDE then Banvel II Herbicide then SIGNAL Herbicide then Nufarm Enhance Adjuvant. Refer to MIXING DIRECTIONS section for general instructions. Use minimum volume of 55 L/ha.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as kochia (including Group 2 resistant kochia), green foxtail and wild oats.	
NOTES: Do not permit lactating dairy animals to graze fields within 7 days after application. Consult the Banvel II Herbicide and SIGNAL Herbicide labels for additional application instructions and use precautions.	

NUFARM BOOST HERBICIDE + HORIZON 240 EC Herbicide Tank Mix + BANVEL II Herbicide	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP(S): spring wheat (excluding durum) only, not underseeded to legumes	
TIMING: Post-emergent application from the 2-5 leaf stage of spring wheat and seedling stage to 8-leaf stage of kochia.	
TANK MIX COMPONENTS AND APPLICATION RATES	
NUFARM BOOST HERBICIDE	20 grams/hectare
HORIZON 240 EC	0.230 L/Ha
Banvel II Herbicide	0.110 L/Ha
Adjuvant: SCORE	0.8 L/Ha
MIXING: Mixing order is NUFARM BOOST HERBICIDE then Banvel II Herbicide then Horizon 240 EC Herbicide Tank Mix then Score. Refer to MIXING DIRECTIONS section for general instructions. Use minimum volume of 55 L/ha.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as kochia (including Group 2 resistant kochia), green foxtail and wild oats.	
NOTES: Do not permit lactating dairy animals to graze fields within 7 days after application. Consult the Banvel II Herbicide and Horizon 240 EC Herbicide Tank Mix labels for additional application instructions and use precautions.	

NUFARM BOOST HERBICIDE + 2,4-D AMINE or ESTER + EVEREST* SOLUPAK* 70 DF or EVEREST 70 DF			
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.			
CROP(S): spring wheat (excluding durum) only NOT UNDERSEEDED TO LEGUMES			
TIMING: Post-emergent application from 1 to 6-leaf (1 to 4 leaves on main stem, plus 2 tillers) growth stage of the crop. For wild oats and green foxtail, apply from 1 to 6-leaf (1 to 4 leaves on main stem, plus 2 tillers)			
TANK MIX COMPONENTS AND APPLICATION RATES			
Component 1	Component 2	Component 3	Component 4

NUFARM BOOST HERBICIDE	20 g/ha	Everest 70 DF	43 g/ha			Agral 90 or Ag-surf	0.25% v/v
NUFARM BOOST HERBICIDE	20 g/ha	Everest 70 DF or Everest Solupak 70 DF	43 g/ha	2,4-D Amine or Ester	Up to 560 g ae/ha	Agral 90 or Ag-surf	0.25% v/v
MIXING: Mixing order is Everest Solupak 70 DF or Everest 70 DF then NUFARM BOOST HERBICIDE then 2,4-D Amine or Ester then adjuvant. Refer to MIXING DIRECTIONS section for general instructions.							
WEEDS CONTROLLED Broadleaf weeds controlled or suppressed by NUFARM BOOST HERBICIDE alone, as well as green foxtail and wild oats.							
NOTES: Observe minimum interval to harvest of 80 days after treatment. For black, dark brown and gray-wooded soil zones only, field peas may be grown the year following Everest Solupak application in fields where precipitation has been normal or above normal (10 year average) during the growing season, and where organic matter content is above 4% and pH below 7.5. Re-crop spring wheat only in brown soil zone. Consult the 2,4-D Amine or Ester and Everest Solupak 70 DF or Everest 70 DF labels for additional information on rotational cropping restrictions, application instructions, use precautions and other restrictions.							

MINOR USES:

SEEDLING AND ESTABLISHED GRASS SPECIES FOR FORAGE AND SEED PRODUCTION

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 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) or crop tolerance (phytotoxicity) claims for this product when used on the crops listed below. Accordingly, the User assumes all risks related to performance and crop tolerance arising and agrees to hold **Nufarm Agriculture Inc** harmless from any claims based on efficacy or phytotoxicity in connection with the use described below.

SEEDLING AND ESTABLISHED GRASS SPECIES FOR FORAGE AND SEED PRODUCTION

For broadleaf weed control, apply 20 grams of **NUFARM BOOST HERBICIDE** per hectare with AGRAL 90, AG-SURF, CITOWETT PLUS or LIBERATE at 2.0 litres per 1,000 litres of spray solution. (See "Mixing Instructions" section of the label).

Apply postemergence to the following Seedling or Established Grasses for Forage

or Seed Production:

Meadow Bromegrass	Pubescent Wheatgrass
Smooth Bromegrass	
Tall Wheatgrass	Creeping Red Fescue
Slender Wheatgrass	
Tall Fescue	Streambank Wheatgrass
Orchard Grass	Northern Wheatgrass
Crested Wheatgrass	Western Wheatgrass
	Intermediate Wheatgrass

Apply postemergence to the following Established Grasses for Forage or Seed Production:

Kentucky Bluegrass

NUFARM BOOST HERBICIDE will control the broadleaf weeds listed on the label for **NUFARM BOOST HERBICIDE** alone. For best results apply to emerged, young, actively-growing weeds that are less than 10 cm tall or across. Thorough coverage of target weeds is essential. Apply with ground equipment only. Make only one application per growing season. The above grasses may not be grazed by or fed to livestock within 7 days of application. Please refer to the appropriate sections of this label for additional use precautions, application and/or mixing instructions.

MIXING INFORMATION

Mixing Precautions:

Do not allow the spray mixture to remain in the tank for more than 24 hours before spraying or the effectiveness may be reduced. If the spray mixture has been allowed to stand in the tank, use vigorous agitation to thoroughly disperse before resuming spraying.

Use the spray preparation of **NUFARM BOOST HERBICIDE** within 24 hours or product degradation may occur. Use spray preparation containing ASSERT within 12 hours or product degradation may occur. If spray solution is left standing without agitation, thoroughly agitate and re-suspend any settled **NUFARM BOOST HERBICIDE** before resuming the spraying operation.

NOTE: Do not mix **NUFARM BOOST HERBICIDE** with liquid fertilizers, substances that contain boron or substances that release free chlorine. Mixing **NUFARM BOOST HERBICIDE** with any of these compounds will result in an insoluble substance in the tank.

Mixing Directions:

Select a spray volume that will ensure thorough coverage and a uniform spray pattern. Use a minimum of 55 L of spray volume per hectare. If tank mixing with other herbicides, always consult the label of the tank mix partner(s) for minimum spray volume requirements and apply the tank mixture using a water volume recommended for all products.

1. Fill the spray tank $\frac{1}{4}$ to $\frac{1}{3}$ full with fresh water.
2. Add the required amount of **NUFARM BOOST HERBICIDE** to the spray tank while the agitator is running. Continuous agitation is recommended through the entire mixing procedure to ensure products are completely dissolved and/or in suspension.
3. After **NUFARM BOOST HERBICIDE** has been fully dissolved and is in suspension, other tank mix components may be added while continuing to fill the tank with water. The proper sequence for tank mix components is:
 - a. dry formulations
 - b. emulsifiable concentrates
 - c. adjuvants (recommended adjuvant must be added to improve wetting and contact activity)
 - d. If a drift control agent is to be tank mixed, it is to be added first.
4. Refer to specific tank mixes in the DIRECTIONS FOR USE section of this label for mixing order and other mixing instructions.

For repeat loads, reduce the tank heel to 10% or less of the previous load. Fill tank with fresh water as described in step 1 and continue as directed. Emulsifiable concentrates may make dispersion of **NUFARM BOOST HERBICIDE** more difficult. For that reason, tank heels of the previous tank mix should be kept to 10% or less of the spray tank volume.

EQUIPMENT CLEANING INFORMATION

Cleaning Precautions:

CAUTION: Do not use ammonia with chlorine bleach. Using ammonia with chlorine bleach will release a gas with a musty chlorine odour, which may cause eye, nose, throat, and lung irritation. Do not clean equipment in an enclosed area.

DO NOT CLEAN SPRAYER NEAR WELL OR WATER SOURCE OR NEAR DESIRABLE VEGETATION.

Cleaning Instructions:

To avoid subsequent injury to crops other than wheat, spring barley or oats, immediately after spraying and prior to spraying other crops, thoroughly remove all traces of **NUFARM BOOST HERBICIDE** from mixing and spray equipment as follows:

1. Empty the tank and drain the sump completely. Remove any contamination on the outside of the spraying equipment by washing with clean water.
2. Spray the interior tank walls (including the lid) with clean water using a minimum volume of 10% of the tank volume. Add household ammonia (containing a minimum 3% ammonia) at a solution rate of 1 L/100 L water or ALLCLEAN Cleaner (or other similarly approved cleaner) to the tank. Circulate the water through the lines, including all bypass lines, for at least two minutes. Flush the boom well and empty the sprayer. Completely drain the sump.
3. Repeat step 2. For this rinse, the addition of household ammonia or other cleaner is not required.

4. Remove the strainers, nozzles, tips and screens and clean separately in a bucket containing water and ammonia solution.
5. If only ammonia is used as a cleaner, the rinsate solution may be applied to the crop(s) listed on this label. Do not exceed the maximum-labeled use rate. If other cleaners are used consult the cleaner label for rinsate disposal instructions. If no instructions are given, dispose of the rinsate on site or at an approved waste disposal facility.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, **NUFARM BOOST HERBICIDE** is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to **NUFARM BOOST HERBICIDE** and other Group 2 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 BOOST HERBICIDE** or other Group 2 herbicides 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 IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control 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.

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home. Keep container closed.

DISPOSAL:

1. Make the empty container unsuitable for further use.
2. Dispose of the container in accordance with provincial requirements.
3. For information on the 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 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. The user assumes the risk to persons or property that arises from any such use of this product.

®/* Products are trademarks of their respective companies.

(sleeve)

GROUP	4	HERBICIDE
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NUFARM

**MCPA Ester 600
Liquid Herbicide**

CONTAINS MCPA EMULSIFIABLE CONCENTRATE

For use in wheat, barley, rye, oats, flax (do not use on low linolenic acid varieties),
pastures, roadside and non-cropland areas.

AGRICULTURAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

GUARANTEE: MCPA, present as 2-ethylhexyl ester ... 600 g a.e./L

REGISTRATION NO. 27803 PEST CONTROL PRODUCTS ACT

WARNING POISON

(1-Bulk) Litres

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. Harmful or fatal if swallowed. Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes IMMEDIATELY. After use, wash hands and other exposed skin. Avoid breathing spray mist.

Do not use in residential areas, which are defined as sites where bystanders may be present during or after spraying, including homes, schools, parks, playgrounds, playing fields and public buildings.

PROTECTIVE CLOTHING AND EQUIPMENT:

Handling the concentrate (mixing and loading): Wear a long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal.

Handling the dilute spray solution (during application or repairing or cleaning equipment): Wear a long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal. Applicators using a closed cab are not required to wear chemical resistant gloves.

ENVIRONMENTAL HAZARDS:

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

Avoid contamination of ponds, streams, rivers and other water sources.

Surface runoff: To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before the treatment. Site characteristics and conditions may lead to runoff include, but are not limited to, heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted, fine-textured, or low in organic matter such as clay).

Avoid applying this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a strip of untreated vegetation (buffer zone) between the treated area and the edge of the water body.

Leaching: The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sand, loamy sand and sand loam soils) and/or the depth to the water table is shallow.

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment.

FIRST AID:

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.

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

TOXICOLOGICAL INFORMATION:

DO NOT induce vomiting. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. No specific antidote. Employ supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient. High concentrations of MCPA may cause severe irritation to the eyes. Symptoms of overexposure to MCPA could include slurred speech, twitching, jerking and spasms, drooling, low-blood pressure and unconsciousness. Treat symptomatically.

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.

STORAGE CONDITIONS:

Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. May be stored at any temperature. SHAKE WELL BEFORE USING.

DISPOSAL:

For 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.

For 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).

For Returnable-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. The user assumes the risk to persons or property that arises from any such use of this product.

18-1736

(booklet)

GROUP	4	HERBICIDE
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NUFARM

**MCPA Ester 600
Liquid Herbicide**

CONTAINS MCPA EMULSIFIABLE CONCENTRATE

For use in wheat, barley, rye, oats, flax (do not use on low linolenic acid varieties),
pastures, roadside and non-cropland areas.

AGRICULTURAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

GUARANTEE: MCPA, present as 2-ethylhexyl ester ... 600 g a.e./L

REGISTRATION NO. 27803 PEST CONTROL PRODUCTS ACT

WARNING POISON

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. Harmful or fatal if swallowed. Avoid contact with skin, eyes and clothing. Wash concentrate from skin or eyes IMMEDIATELY. After use, wash hands and other exposed skin. Avoid breathing spray mist.

Do not use in residential areas, which are defined as sites where bystanders may be present during or after spraying, including homes, schools, parks, playgrounds, playing fields and public buildings.

PROTECTIVE CLOTHING AND EQUIPMENT

Handling the concentrate (mixing and loading): Wear a long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal.

Handling the dilute spray solution (during application or repairing or cleaning equipment): Wear a long-sleeved shirt, long pants, socks, shoes and chemical-resistant gloves. Rinse gloves before removal. Applicators using a closed cab are not required to wear chemical resistant gloves.

ENVIRONMENTAL HAZARDS

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

Avoid contamination of ponds, streams, rivers and other water sources.

This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning of equipment.

Surface runoff: To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before the treatment. Site characteristics and conditions may lead to runoff include, but are not limited to, heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted, fine-textured, or low in organic matter such as clay).

Avoid applying this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a strip of untreated vegetation (buffer zone) between the treated area and the edge of the water body.

Leaching: The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sand, loamy sand and sand loam soils) and/or the depth to the water table is shallow.

FIRST AID

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.

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

TOXICOLOGICAL INFORMATION

DO NOT induce vomiting. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. No specific antidote. Employ supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient. High concentrations of MCPA may cause severe irritation to the eyes. Symptoms of overexposure to MCPA could include slurred speech, twitching, jerking and spasms, drooling, low-blood pressure and unconsciousness. Treat symptomatically.

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.

STORAGE CONDITIONS

Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. May be stored at any temperature. **SHAKE WELL BEFORE USING.**

DISPOSAL

For 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.

For 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).

For Returnable-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. The user assumes the risk to persons or property that arises from any such use of this product.

DIRECTIONS FOR USE

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

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, Nufarm MCPA Ester 600 Liquid Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to Nufarm MCPA Ester 600 Liquid 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 MCPA Ester 600 Liquid Herbicide or other Group 4 herbicides 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.

- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- 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.

GENERAL USE PRECAUTIONS

Nufarm MCPA Ester 600 Liquid Herbicide may cause damage to susceptible crop, ornamental, and other plants, even in minute quantities.

Avoid spray drift to any desirable vegetation. Coarse sprays are less likely to drift. Do not spray during periods of high winds.

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

MIXING

Shake well before using. To ensure even mixing, half fill the sprayer tank with clean water, add the required amount of Nufarm MCPA Ester 600 Liquid Herbicide and agitate thoroughly. Add the remainder of the water and agitate before spraying. If the spray solution has been left standing, agitate thoroughly before use. Wash sprayer thoroughly after use.

EQUIPMENT AND SPRAY VOLUME

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) coarse classification. Boom height must be 60 cm or less above the crop or ground.

Aerial application: DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply when wind speed is greater than 16 km/h at flying height at the site of application. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) coarse classification. To reduce drift caused by turbulent wingtip vortices, the nozzle distributions along the spray boom length MUST NOT exceed 65% of the wingspan or rotorspan.

Buffer Zones

Use of the following spray methods or equipment DO NOT require a buffer zone: handheld or backpack sprayer and spot treatment.

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, rangelands, 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.

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.

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of:					Terrestrial Habitat
		Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:			
		Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m		
Field Sprayer*	Cereals, flax, grasses, legumes, stubble, roadsides, uncropped land and woody growth	1	1	1	1	4	
Aerial	Terrestrial Food and Feed Crops						
	Cereals, flax	Fixed	1	0	1	0	60
		Rotary wing	1	0	1	0	50
	Pastures, stubble	Fixed	5	1	1	1	100
		Rotary wing	4	1	1	1	80
	Non-crop Uses						
	Roadsides, uncropped land, woody growth	Fixed	30	1	20	1	200
Rotary wing		20	1	10	1	100	

*For field sprayer application, buffer zones can be reduced with the use of drift-reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

Apply in 50 to 200 litres of water per hectare by ground equipment unless otherwise indicated. Higher water volumes will reduce the risk of crop injury.

Apply in a minimum of 30 litres of water per hectare by aerial equipment.

Use spray nozzles and pressures that deliver a medium to coarse quality spray.

Avoid generating fine, driftable droplets.

For knapsack, spot treatment applications, mix 165 mL of product in 10 L water. Spray to wet all foliage thoroughly.

Generic Aerial Application Label Instructions

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices. No human flaggers are permitted.

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *National Aerial Pesticide Application Manual*, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Mixer/loader and applicator must be different individuals. Aircraft must be closed cab. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

The field crew and the mixer/loaders must wear long-sleeved shirt, long pants and coveralls, chemical resistant gloves and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at 1-800-868-5444 or obtain technical advice from the distributor or your provincial agricultural representative.

TANK MIXES

Nufarm MCPA Ester 600 Liquid Herbicide may be recommended in tank mix with other products.

Consult the label of the tank mix partner product, and follow the most stringent set of precautions, restrictions and directions for use.

CROPS, TIMING, RATES AND METHODS OF APPLICATION

Use the dose required to control the weeds present.

To minimize the risk of crop injury, do not exceed the recommended rate listed for the crop.

Higher rates may be required to control certain weed species. Rates above those recommended for a crop may result in significant crop injury and should only be used when the risk of crop injury will be offset by the benefits of enhanced weed control.

Apply in warm weather when the crop and weeds are growing well, and the weeds are at a susceptible stage.

Avoid application during drought conditions or during exceptionally hot weather.

CROP:

Spring Cereals (Wheat, Barley, Rye, Oats), not underseeded with legumes

APPLICATION TIME:

From the 3-leaf expanded to the early flag-leaf stage (wheat, barley, rye).

From the 1-leaf expanded to the early flag-leaf stage (oats).

From milk stage to maturity (wheat, barley, rye).
Do not apply more than one treatment per year.

METHOD:

Ground or Aerial application.

RECOMMENDED RATE PER HECTARE:

Up to 1.05 L for wheat, barley and rye.
Up to 900 mL for oats.

CROP:

Winter Cereals (Winter Wheat, Fall Rye)

APPLICATION TIME:

In spring, from full tillering to the shot blade stage.
Do not apply during and after the flag-leaf stage.
Do not apply to seedling winter cereals in the fall.
Do not apply more than one treatment per year.

METHOD:

Ground application only.

RECOMMENDED RATE PER HECTARE: Up to 1.05 L.

CROP:

Flax (Do not use on low linolenic acid varieties)

APPLICATION TIME:

When flax is between 5 cm in height to before bud stage.
To minimize crop injury, spray at early growth stages, in the evening, and use higher water volumes.
Do not apply more than one treatment per year.

METHOD:

Ground or Aerial application.

RECOMMENDED RATE PER HECTARE: Up to 700 mL.

Caution: Early crop injury may be observed, but yield should not be affected.

CROP:

Established Grasses and Legumes (Alsike and Red Clover and Alfalfa)

APPLICATION TIME:

For control of susceptible winter annual and perennial weeds, spray in the very early spring, before growth of these crops has commenced.
In pure stands of grasses, applications may be made in the fall.

Do not apply more than two treatments per year, with a minimum retreatment interval of 90 days.

METHOD:

Ground application only.

RECOMMENDED RATE PER HECTARE: Up to 1.65 L.

CROP:

Pasture (without legumes) and Uncropped Land

APPLICATION TIME:

Apply at a time of rapid growth, usually May, June and/or September.

Spray thoroughly using 100 to 300 litres of water per hectare.

Use the higher rate for perennial weeds; a second treatment may be required.

Cultivating grain stubble and spraying after regrowth may aid in control.

Do not apply in freshly seeded grasses and pastures until well established.

Under conditions of good growth and adequate soil moisture, sprays can be applied up to 2 weeks before normal frost time.

For stubble land and pastures a maximum of 2 applications is permitted per season followed by a minimum retreatment interval of 21 days for stubble land and 90 days for pastures.

METHOD:

Ground or Aerial application (Aerial application for use **ONLY** in pastures without legumes, stubble land, roadsides and uncropped land)

For spot treatment of roadside and uncropped land using high-pressure handwands, do not exceed 900 litres of "ready to use" solution (equivalent to 15 L of product.) per day per individual applicator.

For application using handheld equipment, use a maximum concentration of 165 mL of Nufarm MCPA Ester 600 Liquid Herbicide in 10 L of spray solution.

For broadcast treatment of roadside and uncropped land, a maximum of 2 applications are permitted per season, with a minimum retreatment interval of 21 days.

RECOMMENDED RATE PER HECTARE: Up to 2.8 L.

CONTROL OF WOODY GROWTH IN NON-GRAZED AREAS:

Apply at time of rapid growth, usually May, June and/or September.

For broadcast treatment apply 1.8 to 2.8 litres of product in 100 to 1000 litres of water per hectare. For spot treatment do not exceed 5.6 L/ha.

Use the lower rate for species that are more susceptible such as chokecherry, western snowberry and willow.

Spray brush species up to 3 metres tall after foliage is well developed.

Applications soon after leaves are fully open usually give the best results. Apply sufficient spray volume to thoroughly wet all plant parts to the ground line. Brush or trees above 3 metres tall should be cut close to the ground and sprayed when the regrowth is over 0.6 m tall. With good growing conditions and adequate soil moisture, sprays may be applied up to 2 to 3 weeks before normal frost time. To reduce potential drift hazard, a drift control agent may be added. Follow directions on the drift control agent label for the correct mixing sequence. Ground or aerial application. For broadcast treatment of woody growth, a maximum of 2 applications are permitted per season, with a minimum retreatment interval of 21 days.

WEEDS CONTROLLED:

(DO NOT exceed the rates given for each specific crop identified in the CROPS, TIMING, RATES AND METHODS OF APPLICATION section)

SUSCEPTIBLE WEEDS:

Burdock (before the 4-leaf stage), Cocklebur, Plantain, Flixweed*, Lamb's-quarters, Mustards (except Dog and Tansy), Prickly lettuce, Ragweeds, Russian pigweed*, Shepherd's-purse*, Stinkweed, Vetch, Wild radish, Wild (annual) sunflower.

* Use the higher rate in the rate range.

RATES TO CONTROL SUSCEPTIBLE WEEDS:

Small seedlings, good growing conditions: 580 mL/ha.

Large weeds, dry or cold weather, heavy infestations: 900 mL/ha.

Resistance increases with age.

HARDER-TO-CONTROL WEEDS:

Annual sow-thistle, Biennial wormwood, Blue lettuce*, Bluebur, Canada thistle*, Corn spurry*, Curled dock, Dandelion, Dog mustard, Field bindweed*, Field Horsetail*, Field pepper-grass, Goat's-beard, Gumweed, Hairy galinsoga, Hedge bindweed*, Hemp-nettle (before the 4-leaf stage), Hoary cress*, Kochia, Lady's thumb*, Leafy spurge*, Oak-leaved goosefoot, Perennial sow-thistle*, Purslane, Redroot pigweed, Russian knapweed*, Russian-thistle, Smartweed*, Sweet clover (seedling), Tansy mustard, Tartary buckwheat.

* Top growth control.

RATES FOR HARDER-TO-CONTROL WEEDS:

Small seedlings, good growing conditions: 1.05 L/ha.

Large weeds, dry or cold weather, heavy infestations: 1.50 L/ha.

Resistance increases with age.

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