

[Label]

2013-5551  
2014-12-04

<b>GROUP</b>	<b>4</b>	<b>6</b>	<b>HERBICIDES</b>
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**NUFARM**

**MEXTROL 450**  
**Liquid Herbicide**

Bromoxynil + MCPA  
Emulsifiable Concentrate

Use in: Barley, Canary Seed, Corn (field, sweet), Flax (including low linolenic acid varieties), Oats, Rye (fall), Selected seedling and established grasses, Wheat (spring, winter, durum)

Controls: Seedling hard-to-kill annual weeds, including Lady's Thumb, Wild and Tartary Buckwheat

**AGRICULTURAL**

**WARNING {symbol} POISON**

**POTENTIAL SKIN SENSITIZER**  
**CAUTIONEYE IRRITANT**

**READ THE LABEL AND ATTACHED BROCHURE BEFORE USING**

**REGISTRATION NO. 26999 PEST CONTROL PRODUCTS ACT**

**GUARANTEE:**

Bromoxynil, present as octanoate ester ... 225 g/L  
MCPA, present as 2-ethylhexyl ester ... 225 g a.e./L

1 Litre – Bulk Litres

Nufarm Agriculture Inc., 5507 First St. S.E., Calgary, AB, T2H 1H9  
1-800-868-5444

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

**PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN. WARNING POISON. CAUTION - EYE IRRITANT POTENTIAL SKIN SENSITIZER Do not get into eyes, on skin or on clothing. Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. Wash concentrate from skin or eyes immediately. Do not inhale spray mist. After use wash hands and other exposed skin. Avoid contamination of ponds, streams, rivers and other water sources. Goggles or a face shield should be worn when handling/mixing and loading operations.

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.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at: [www.croplife.ca](http://www.croplife.ca).

**PROTECTIVE CLOTHING AND EQUIPMENT:**

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

<p><b>Wear chemical resistant nitrile gloves, e.g. Edmont Sol-Vex #37-155/#37-145 or Pioneer A-15. Gloves which are in good condition must be worn when mixing/loading, spraying, and during clean up and repair.</b></p>
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DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours unless otherwise noted within the brochure.

DO NOT apply this product in a way that this product will contact workers or other persons, either directly or through drift. Only handlers wearing personal protective equipment may be in the area being treated during application.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them.

Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**ENVIRONMENTAL HAZARDS:**

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

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 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 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 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:**

This product contains PETROLEUM DISTILLATES. Vomiting may cause aspiration pneumonia. 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, Prosar, 1-877-325-1840.

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

**STORAGE CONDITIONS:** MEXTROL 450 Liquid Herbicide will solidify at minus 20° C. It will become usable at temperatures above 0°C. Insecticides and fungicides should be segregated from herbicides so as to prevent the possibility of cross-contamination.

**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 use 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 use 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.

[Booklet]

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**MEXTROL 450**  
**Liquid Herbicide**

Bromoxynil + MCPA  
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Controls: Seedling hard-to-kill annual weeds, including Lady's Thumb,  
Wild and Tartary Buckwheat

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**CAUTION – EYE IRRITANT**

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**GUARANTEE:**

Bromoxynil, present as octanoate ester ... 225 g/L  
MCPA, present as 2-ethylhexyl ester ... 225 g a.e./L

Nufarm Agriculture Inc., 5507 First St. S.E., Calgary, AB, T2H 1H9  
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**GENERAL INFORMATION & DIRECTIONS FOR USE** ..... Section 1

**WEEDS CONTROLLED & SUPPRESSED**..... Section 2

**APPLICATION & MIXING INSTRUCTIONS  
FOR GROUND OR AIR, ENVIRONMENTAL PROTECTION  
INSTRUCTIONS AND BUFFER ZONES** ..... Section 3

**CROP INSTRUCTIONS, INCLUDING TANK MIXES**

**Barley** (not underseeded to legumes) ..... Section 4  
**Canary seed** (for seed production) ..... Section 5  
**Rye** (Fall) ..... Section 6  
**Corn** (Field, Sweet) ..... Section 7  
**Flax** (including low linolenic acid varieties) ..... Section 8  
**Oats** (not underseeded to legumes) ..... Section 9  
**Selected seedling and established grasses** ..... Section 10  
**Wheat** (spring, winter, durum - not underseeded to legumes) ..... Section 11  
**Wheat** (winter - underseeded to red clover) ..... Section 12

**MEXTROL 450 Liquid Herbicide can be tank mixed with the following products:**

Horizon Herbicide Tank Mix or Signal Herbicide or Nufarm Clodinafop Herbicide  
Achieve Liquid  
Puma<sup>120</sup> Super or Cordon Herbicide  
Avenge 200-C  
Everest  
Select  
Poast Ultra Liquid  
Fusion Tank Mix  
Refine Extra or Boost Herbicide  
Ally  
MCPA  
Atrazine

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Protective Clothing and Equipment  
Environmental Hazards  
First Aid  
Toxicological Information  
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Storage and Disposal

## SECTION 1

### GENERAL INFORMATION:

MEXTROL 450 Liquid Herbicide is a selective post-emergence herbicide for the control of important broadleaf weeds in selected field crops. For optimum weed control apply MEXTROL 450 Liquid Herbicide to actively growing weed seedlings. MEXTROL 450 Liquid Herbicide is a contact and systemic herbicide. Thorough coverage of the weed seedlings is essential for optimum control.

**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.

- 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.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at: [www.croplife.ca](http://www.croplife.ca).

### DIRECTIONS FOR USE:

### RESISTANCE MANAGEMENT RECOMMENDATIONS:

For resistance management, MEXTROL 450 Liquid Herbicide is a Group 4 and 6 herbicide. Any weed population may contain or develop plants naturally resistant to MEXTROL 450 Liquid Herbicide and other Group 4 and 6 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 MEXTROL 450 Liquid Herbicide or other Group 4 and 6 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 and to report suspected resistance, contact Nufarm Agriculture Inc. company representatives at 1-800-868-5444 or at [www.nufarm.ca](http://www.nufarm.ca)

**TIMING:** For best results spray when weeds are in the seedling stage. Apply in good growing conditions. Application must be made before the crop shields the weeds.

## SECTION 2

### WEEDS CONTROLLED BY MEXTROL 450 LIQUID HERBICIDE:

Seedlings up to 4-leaf stage

Green smartweed  
 Pale smartweed  
 Lady's-thumb  
 Cow cockle\*  
 Redroot pigweed  
 Flixweed  
 Bluebur  
 Shepherd's-purse  
 Kochia\*\*  
 Russian thistle\*\*  
 Scentless chamomile\*\*\*  
 Volunteer sunflower  
 Volunteer rapeseed  
 (including Canola)  
 Night flowering catchfly  
 Cocklebur  
 Velvetleaf\*\*\*\*  
 Ball mustard  
 American nightshade

Seedlings up to 8-leaf stage

Wild buckwheat  
 Tartary buckwheat  
 Common buckwheat  
 Stinkweed  
 Wild mustard  
 Wormseed mustard  
 Lamb's-quarters  
 Common ragweed  
 Common groundsel

Perennials: Top growth checked

Canada thistle  
 Perennial sow-thistle

\* In normal conditions cow cockle will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.

\*\* Spray before plants are 5 cm high.

\*\*\* Spring annuals only.

\*\*\*\* Spray before plants are 8 cm high.



## **WEEDS SUPPRESSED BY MEXTROL 450 LIQUID HERBICIDE:**

Prickly lettuce (winter wheat only): apply when weeds are at 2 -12 leaf stage

## **SECTION 3**

### **APPLICATION AND MIXING INSTRUCTIONS FOR GROUND OR AIR:**

**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 distribution along the spray boom length **MUST NOT** exceed 65% of the wingspan or rotorspan.

### **MIXING INSTRUCTIONS:**

1. Fill spray tank half full of water.
2. Add the required amount of MEXTROL 450 Liquid Herbicide. Begin agitation.
3. If tank-mixing, add the recommended amount of the tank mix partner product to the spray tank first, agitate, and then add MEXTROL 450 Liquid Herbicide (unless otherwise directed).
4. Complete filling spray tank with water, continue agitation.

### **TANK MIXES:**

MEXTROL 450 Liquid Herbicide is recommended in tank mix with other products. Follow **all instructions** for mixing, spraying precautions, limitations, crop rotations, application timing, pre-harvest intervals etc. on labels of products tank mixed with MEXTROL 450 Liquid Herbicide.

### **APPLICATION RATE:**

Refer to specific instructions for each crop.

At the 1.25 L/ha rate, a 10 litre container treats 8 hectares (19.8 acres).

Wash out spray tank and lines and clean all filters, screens and tips. Select nozzle tips to apply the recommended volume of water per hectare. Flat fan nozzles recommended. DO NOT use flood jet nozzles. Adjust boom height to ensure uniform coverage of weeds. For ground applications, spray at 5-10 km/h. Calibrate sprayer and ensure that all tips are in good condition and spraying the same volume.

**ENVIRONMENTAL PROTECTION INSTRUCTIONS:**

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.

**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 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.

**BUFFER ZONES:**

Use of the following spray methods or equipment DO NOT require a buffer zone: handheld or backpack sprayer and inter-row hooded sprayer.

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:				
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial Habitat
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field Sprayer*	All crops		1	1	1	1	4
Aerial	Oats	Fixed	15	2	1	1	60
		Rotary wing	15	1	1	1	50
	Barley, Wheat	Fixed	20	5	1	1	60
		Rotary wing	20	3	1	1	50
	Rye	Fixed	1	0	1	0	60
		Rotary wing	1	0	1	0	50

\*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%.

**Generic Aerial Application Label Instructions:**

**Directions for Use:**

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.

**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.

**Operator Precautions:**

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Mixer/loader and applicator must be different individuals. Loading of premixed chemicals with a closed system is permitted. Aircraft must be closed cab. No human flaggers are permitted. Aerial applicators must wear long pants and a long sleeved shirt.

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, chemical resistant gloves, coveralls 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. Application of this specific product must meet and/or conform to the following:

**Volume:**

Apply the recommended rate in a minimum spray volume of 20 litres per hectare. For best results when there is a heavy crop canopy, or when the majority of the weeds are cow cockle, smartweed, hempnettle, pigweed or Canada thistle, a volume of 40 litres per hectare is recommended.

**SECTION 4**

**BARLEY** (not underseeded to legumes)

Do not apply more than one treatment per year.

**MEXTROL 450 Liquid Herbicide ALONE**

<b>Weeds Controlled:</b>	See Section 2.
<b>Crop Treatment Stage:</b>	From the 2-leaf to early flag-leaf stage.
<b>Application Method:</b>	Ground - apply in 50-100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha.

<b>MEXTROL 450 Liquid Herbicide + MCPA</b>	
<b>Weeds Controlled:</b>	See Section 2, plus hempnettle* up to the 4-leaf stage and volunteer rapeseed (canola) up to the 8-leaf stage.
<b>Crop Treatment Stage:</b>	From the 2-leaf to early flag-leaf stage.
<b>Application Method:</b>	Ground - apply in 50-100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 275 g active ingredient MCPA per hectare.

**Note:** MCPA-K is preferred for hempnettle although other formulations may be used. Add MCPA to the spray tank first, agitate, then add MEXTROL 450 Liquid Herbicide. Refer to the MCPA label for instructions, precautions and limitations.

\* Hempnettle is unlikely to be controlled beyond the 4-leaf stage.

<b>MEXTROL 450 Liquid Herbicide + AVENGE 200-C</b>	
<b>Weeds Controlled:</b>	See Section 2, plus wild oats in the 3- to 5-leaf stage.
<b>Crop Treatment Stage:</b>	From the 2- to 6-leaf stage.
<b>Application Method:</b>	Ground - apply in 100 litres of water per hectare. Air - apply in 20-50 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 3.5 - 4.25 L/ha AVENGE 200-C.

**Note:** Add MEXTROL 450 Liquid Herbicide to the spray tank first, agitate well, and then add AVENGE 200-C. Refer to the AVENGE 200-C label for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + MCPA + AVENGE 200-C</b>	
<b>Weeds Controlled:</b>	See MEXTROL 450 Liquid Herbicide + MCPA mixture, above, plus wild oats in the 3- to 5-leaf stage.
<b>Crop Treatment Stage:</b>	From the 2- to 6-leaf stage.
<b>Application Method:</b>	Ground - apply in 100 litres of water per hectare. Air - apply in 20-50 litres of water per hectare. See Section 3.

<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 275 g active ingredient MCPA per hectare + 3.5 - 4.25 L/ha AVENGE 200-C. Use ester formulation of MCPA only.
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**Note:** Add MCPA ester to the spray tank first, agitate well, then add MEXTROL 450 Liquid Herbicide, agitate well, and then add AVENGE 200-C. Refer to the AVENGE 200-C and MCPA labels for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + ACHIEVE Liquid</b>	
<b>Weeds Controlled:</b>	See Section 2, plus weeds indicated on the ACHIEVE Liquid label.
<b>Crop Treatment Stage:</b>	From the 2-leaf to early flag-leaf stage.
<b>Application Method:</b>	Ground - apply in 50-100 litres of water per hectare. Air - apply in 30-45 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 0.5 L/ha ACHIEVE Liquid + 0.5% v/v TURBOCHARGE adjuvant.

**Note:** Add ACHIEVE Liquid to the spray tank first, agitate well, then add MEXTROL 450 Liquid Herbicide, agitate well, and then add TURBOCHARGE adjuvant. Refer to the ACHIEVE Liquid label for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + ALLY</b>	
For use in the Prairie Provinces and Peace River Region of British Columbia only.	
<b>Weeds Controlled:</b>	See Section 2, plus hempnettle up to the 8-leaf stage (4 pairs of leaves) and chickweed up to 7 cm high.
<b>Crop Treatment Stage:</b>	From the 2-leaf to early flag-leaf stage.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR. Apply in at least 100 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 7.5 g/ha ALLY + surfactant as required on the ALLY label directions.

**Note:** Add ALLY to the spray tank first, agitate well, then add MEXTROL 450 Liquid Herbicide, agitate well, and then add surfactant. On repeat tank loads, prepare an ALLY/water slurry and add it to the required water volume in the tank prior to adding the MEXTROL 450 Liquid Herbicide. Refer to the ALLY label for instructions, precautions and limitations, including soil pH, crop rotations and sprayer cleanup.

<b>MEXTROL 450 Liquid Herbicide + REFINE Extra or BOOST Herbicide</b>	
<b>Weeds Controlled:</b>	See Section 2, plus hempnettle up to the 6-leaf stage (3 pairs of leaves) and chickweed up to 6-leaf stage (3 pairs of leaves).
<b>Crop Treatment Stage:</b>	From the 2-leaf to early flag-leaf stage.

<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR. Apply in at least 100 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 6.7 g/ha REFINE Extra or Boost Herbicide + surfactant as required on the REFINE Extra or Boost Herbicide label directions.

**Note:** Add REFINE Extra or Boost Herbicide to the spray tank first, agitate well, then add MEXTROL 450 Liquid Herbicide, agitate well, and then add surfactant. On repeat tank loads, prepare an REFINE Extra or Boost Herbicide /water slurry and add it to the required water volume in the tank prior to adding the MEXTROL 450 Liquid Herbicide. Refer to the REFINE Extra or Boost Herbicide label for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + PUMA<sup>120</sup> SUPER or CORDON Herbicide</b> For use in the Prairie Provinces and Peace River Region of British Columbia only.	
<b>Weeds Controlled:</b>	See Section 2, plus weeds indicated on the PUMA <sup>120</sup> SUPER or Cordon Herbicide label. For best results, apply to the first main flush of young, actively growing weeds. Apply when annual grass weeds are in the 1- to 6-leaf stage of growth.
<b>Crop Treatment Stage:</b>	From the 2- to 5-leaf stage of growth on the main stem plus 2 tillers. Application beyond the 5-leaf stage of spring barley may result in crop injury.
<b>Application Method:</b>	Ground - apply in 55-110 litres of water per hectare. Air - apply in at least 50 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 770 mL/ha PUMA <sup>120</sup> SUPER or Cordon Herbicide. 1.25 L/ha MEXTROL 450 Liquid Herbicide + 385 mL/ha PUMA <sup>120</sup> SUPER or Cordon Herbicide can be used for the control of broadleaved weeds as listed plus green foxtail only.

**Note:** Refer to the PUMA<sup>120</sup> SUPER or Cordon Herbicide label for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + REFINE Extra or BOOST Herbicide + PUMA<sup>120</sup> SUPER or CORDON Herbicide</b> For use in the Prairie Provinces and Peace River Region of British Columbia only.	
<b>Weeds Controlled:</b>	See Section 2, plus hempnettle up to the 6-leaf stage (3 pairs of leaves) and chickweed up to 6-leaf stage (3 pairs of leaves), plus weeds indicated on the PUMA <sup>120</sup> SUPER label or Cordon Herbicide. For best results, apply to the first main flush of young, actively growing weeds. Apply when annual grass weeds are in the 1- to 6-leaf stage of growth.
<b>Crop Treatment Stage:</b>	From the 2- to 5-leaf stage of growth on the main stem plus 2 tillers. Application beyond the 5-leaf stage of spring barley may result in crop injury.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR.

	Apply in at least 100 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 6.7 g/ha REFINE Extra or Boost Herbicide + 770 mL/ha PUMA <sup>120</sup> SUPER or Cordon Herbicide. 1.25 L/ha MEXTROL 450 Liquid Herbicide + 6.7 g/ha REFINE Extra or Boost Herbicide + 385 mL/ha PUMA <sup>120</sup> SUPER or Cordon Herbicide can be used for the control of broadleaved weeds as listed plus green foxtail only.

**Note:** Refer to the REFINE Extra or Boost Herbicide and PUMA<sup>120</sup> SUPER or Cordon Herbicide labels for instructions, precautions and limitations.

## SECTION 5

**CANARY SEED** (*Phalaris canariensis*), for seed production

Do not apply more than two treatments per year, with a minimum retreatment interval of 21 days.

<b>MEXTROL 450 Liquid Herbicide ALONE</b>	
<b>Weeds Controlled:</b>	See Section 2.
<b>Crop Treatment Stage:</b>	From the 3- to 5-leaf stage.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR. Apply in at least 50 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha.

## SECTION 6

**RYE** (fall) (not underseeded to legumes)

Do not apply more than one treatment per year.

<b>MEXTROL 450 Liquid Herbicide ALONE</b>	
<b>Weeds Controlled:</b>	See Section 2.
<b>Crop Treatment Stage:</b>	From the time growth commences in the spring to early flag-leaf stage.
<b>Application Method:</b>	Ground - apply in 50-100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha.

## SECTION 7

**CORN** (field, sweet)



Do not apply more than one treatment per year. When hand-harvesting corn (field and sweet), follow a Re-entry Interval (REI) and Pre-harvest Interval (PHI) of 15 days.

<b>MEXTROL 450 Liquid Herbicide ALONE</b>	
<b>Weeds Controlled:</b>	See Section 2.
<b>Crop Treatment Stage:</b>	From the 4- to 6-leaf stage. Damage to corn will result if sprayed beyond the 6-leaf stage.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR. Apply in 200-300 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha.

**Note:** Temporary crop injury in the form of leaf scorching may occur in adverse growing conditions (especially if applied during or after periods of cool and wet, or hot and humid weather conditions). Cultivation after application is not recommended.  
DO NOT ADD OIL OR SURFACTANT.

<b>MEXTROL 450 Liquid Herbicide + Atrazine</b>	
<b>Weeds Controlled:</b>	See Section 2 plus weeds indicated on the atrazine label.
<b>Crop Treatment Stage:</b>	From the 4- to 6-leaf stage. Damage to corn will result if sprayed beyond the 6-leaf stage.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR. Apply in 200-300 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 1.1 – 1.5 kg active ingredient atrazine per hectare

**Note:** Add atrazine to the spray tank first. Mix well, then add MEXTROL 450 Liquid Herbicide. DO NOT add surfactants or oils or atrazine/oil mixtures. Refer to the atrazine label for instructions, precautions and limitations, especially on crop restrictions for the following year.

Temporary crop injury in the form of leaf scorching may occur in adverse growing conditions (especially if applied during or after periods of cool and wet, or hot and humid weather conditions). Cultivation after application is not recommended.

DO NOT ADD OIL OR SURFACTANT OR USE ATRAZINE FORMULATIONS CONTAINING OIL.

## **SECTION 8**

**FLAX** (including low linolenic acid varieties)

Do not apply more than one treatment per year.

**Note:** Observe a minimum interval to harvest of 60 days after application of MEXTROL 450 Liquid Herbicide.

<b>MEXTROL 450 Liquid Herbicide ALONE</b>	
<b>Weeds Controlled:</b>	See Section 2 (redroot pigweed not controlled). Due to flax's less competitive nature, weeds should be sprayed in as early a leaf stage as possible, up to the recommended leaf stage.
<b>Crop Treatment Stage:</b>	Treat crop from 5 cm to early flower bud stage. For best results apply MEXTROL 450 Liquid Herbicide when flax is 5 to 10 cm high.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR. Apply in 50-100 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha.

MEXTROL 450 Liquid Herbicide alone and in tank mixes may cause some leaf burn and retarded growth and delayed maturity of the crop. Spraying in the evening may reduce risk of flax injury. Do not spray unthrifty crops or when flax is under stress due to drought or excess soil moisture. Do not spray in hot, humid weather conditions.

<b>MEXTROL 450 Liquid Herbicide + SELECT</b>	
<b>Weeds Controlled:</b>	See Section 2 (redroot pigweed not controlled) plus weeds as indicated on the SELECT label.
<b>Crop Treatment Stage:</b>	Treat crop from 5 cm to early flower bud stage. For best results apply MEXTROL 450 Liquid Herbicide when flax is 5 to 10 cm high. If broad-leaved weeds and grasses are not within the recommended treatment stage at the same time, then separate applications should be made. When using this tank-mix it is important that application be made at the recommended stage of weed growth, particularly where smartweed is present.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR. Apply in 55-110 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 0.19 L/ha SELECT + AMIGO Adjuvant as required on the SELECT label directions.

**Note:** Add MEXTROL 450 Liquid Herbicide to the spray tank half filled with water. Agitate, then add SELECT. Continue agitation then add AMIGO Adjuvant and remaining amount of water. Continue to agitate. Refer to the SELECT label for instructions, precautions and limitations.

Do not spray unthrifty crops or when flax is under stress due to drought or excess soil moisture. Do not spray in hot, humid weather conditions. This treatment may cause leaf burn, retarded growth and delay maturity of the crop.

<b>MEXTROL 450 Liquid Herbicide + FUSION Herbicide Tank Mix</b>	
For use in the Prairie Provinces and Peace River Region of British Columbia only.	
<b>Weeds Controlled:</b>	See Section 2 (redroot pigweed not controlled) plus weeds as

	indicated on the FUSION Herbicide Tank Mix label.
<b>Crop Treatment Stage:</b>	Treat crop when from 5-10 cm high.
<b>Application Method:</b>	Ground application only. <b>DO NOT APPLY BY AIR.</b> Apply in 50-100 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + FUSION Herbicide Tank Mix (0.46 L/ha of Component #1 and 0.80 L/ha of Component #2). Add MCPA amine 500 at 0.84 L/ha for control of wild mustard and stinkweed (except for low linolenic acid varieties).

**Note:** Do not spray unthrifty crops or when flax is under stress due to drought or excess soil moisture. Do not spray in hot, humid weather conditions. This treatment may cause leaf burn, retarded growth and delay maturity of the crop. Refer to the FUSION Herbicide Tank Mix label for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + POAST Ultra</b>	
<b>Weeds Controlled:</b>	See Section 2 (redroot pigweed not controlled) plus weeds as indicated on the POAST Ultra label.
<b>Crop Treatment Stage:</b>	Treat crop when from 5-10 cm high. If broad-leaved weeds and grasses are not within the recommended treatment stage at the same time, then separate applications should be made. When using this tank mix it is important that application be made at the recommended stage of weed growth, particularly where smartweed is present. <b>DO NOT</b> apply during flowering.
<b>Application Method:</b>	Ground application only. <b>DO NOT APPLY BY AIR.</b> Apply in 50-100 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 0.8-2.7 L/ha POAST Ultra + MERGE Adjuvant as directed on the POAST Ultra label directions. For maximum crop safety, it is recommended that the lowest registered MERGE Adjuvant rate be used in this tank-mix.

**Note:** Add MEXTROL 450 Liquid Herbicide to the spray tank half filled with water. Agitate, then add POAST Ultra. Continue agitation then add MERGE Adjuvant and remaining amount of water. Continue to agitate. Refer to the POAST Ultra label for instructions, precautions and limitations.

Do not spray unthrifty crops or when flax is under stress due to drought or excess soil moisture. Do not spray in hot, humid weather conditions. This treatment may cause leaf burn, retarded growth and delay maturity of the crop.

## **SECTION 9**

**OATS** (not underseeded to legumes)

Do not apply more than one treatment per year.

<b>MEXTROL 450 Liquid Herbicide ALONE</b>	
<b>Weeds Controlled:</b>	See Section 2.
<b>Crop Treatment Stage:</b>	From the 2-leaf to early flag-leaf stage.
<b>Application Method:</b>	Ground - apply in 50-100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha.

<b>MEXTROL 450 Liquid Herbicide + MCPA</b>	
<b>Weeds Controlled:</b>	See Section 2, plus hempnettle* up to the 4-leaf stage and volunteer rapeseed (canola) up to the 8-leaf stage.
<b>Crop Treatment Stage:</b>	From the 2-leaf to early flag-leaf stage.
<b>Application Method:</b>	Ground - apply in 50-100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 275 g active ingredient MCPA per hectare.

**Note:** MCPA-K is preferred for hempnettle although other formulations may be used. Add MCPA to the spray tank first, agitate, then add MEXTROL 450 Liquid Herbicide. Refer to the MCPA label for instructions, precautions and limitations.

\* Hempnettle is unlikely to be controlled beyond the 4-leaf stage.

## **SECTION 10 SELECTED SEEDLING AND ESTABLISHED GRASSES**

**SEEDLING GRASSES** (not underseeded to legumes) grown for seed production in the year of establishment only. Includes: Brome grass, Creeping red fescue, Meadow fescue, Reed canary grass, Russian wild rye, Timothy, Wheat grass (Crested, Intermediate, Slender, Tall).

Do not apply more than two treatments per year, with a minimum retreatment interval of 21 days.

<b>MEXTROL 450 Liquid Herbicide ALONE</b>	
<b>Weeds Controlled:</b>	See Section 2.
<b>Crop Treatment Stage:</b>	From the 2- to 4-leaf stage. One application per season.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR.

	Apply in at least 150 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha.

**ESTABLISHED GRASSES** (not underseeded to legumes). Timothy, grown for seed.

Do not apply more than two treatments per year, with a minimum retreatment interval of 21 days.

<b>MEXTROL 450 Liquid Herbicide ALONE</b>	
<b>Weeds Controlled:</b>	See Section 2.
<b>Crop Treatment Stage:</b>	Apply prior to shot blade stage in the year of seed production. One application per season.
<b>Application Method:</b>	Ground application only. <b>DO NOT APPLY BY AIR.</b> Apply in at least 150 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha.

**ESTABLISHED GRASSES** (not underseeded to legumes). Timothy, grown for hay.

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

<b>MEXTROL 450 Liquid Herbicide ALONE</b>	
<b>Weeds Controlled:</b>	See Section 2.
<b>Crop Treatment Stage:</b>	Apply at the 3- to 6-leaf stage. One application per season.
<b>Application Method:</b>	Ground application only. <b>DO NOT APPLY BY AIR.</b> Apply in at least 150 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha.

## SECTION 11

**WHEAT** (spring, winter, durum - not underseeded to legumes)

Do not apply more than one treatment per year.

<b>MEXTROL 450 Liquid Herbicide ALONE</b> Spring and durum wheat only (not underseeded to legumes)	
<b>Weeds Controlled:</b>	See Section 2.
<b>Crop Treatment Stage:</b>	Spring and durum wheat, from the 2-leaf to early flag-leaf stage.

	Winter wheat can be treated in fall at 2- to 4-leaf stage and in spring from start of growth to flag-leaf stage.
<b>Application Method:</b>	Ground - apply in 50-100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha.

<b>MEXTROL 450 Liquid Herbicide ALONE</b>	
Winter wheat only (not underseeded to legumes)	
<b>Weeds Controlled:</b>	See Section 2.
<b>Weeds suppressed:</b>	Prickly Lettuce ( <i>Lactuca scariola</i> )
<b>Crop Treatment Stage:</b>	Winter wheat can be treated in fall at 2- to 4-leaf stage and in spring from start of growth to flag-leaf stage.
<b>Application Method:</b>	Ground - apply in 50-100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha.

<b>MEXTROL 450 Liquid Herbicide + MCPA</b>	
Spring wheat only (not underseeded to legumes)	
<b>Weeds Controlled:</b>	See Section 2, plus hempnettle* up to the 4-leaf stage and volunteer rapeseed (canola) up to the 8-leaf stage.
<b>Crop Treatment Stage:</b>	From the 2-leaf to early flag-leaf stage.
<b>Application Method:</b>	Ground - apply in 50-100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 275 g active ingredient MCPA per hectare.

**Note:** MCPA-K is preferred for hempnettle although other formulations may be used. Add MCPA to the spray tank first, agitate, then add MEXTROL 450 Liquid Herbicide. Refer to the MCPA label for instructions, precautions and limitations.

\* Hempnettle is unlikely to be controlled beyond the 4-leaf stage.

<b>MEXTROL 450 Liquid Herbicide + AVENGE 200-C</b>	
Spring and durum wheat only	
<b>Weeds Controlled:</b>	See Section 2, plus wild oats in the 3- to 5-leaf stage.
<b>Crop Treatment Stage:</b>	From the 2- to 6-leaf stage.
<b>Application Method:</b>	Ground - apply in 100 litres of water per hectare. Air - apply in 20-50 litres of water per hectare. See Section 3.

<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 3.5 - 4.25 L/ha AVENGE 200-C.
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**Note:** Add MEXTROL 450 Liquid Herbicide to the spray tank first, agitate well, and then add AVENGE 200-C. Refer to the AVENGE 200-C label for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + MCPA + AVENGE 200-C</b> Spring and durum wheat only	
<b>Weeds Controlled:</b>	See MEXTROL 450 Liquid Herbicide + MCPA mixture, above, plus wild oats in the 3- to 5-leaf stage.
<b>Crop Treatment Stage:</b>	From the 2- to 6-leaf stage.
<b>Application Method:</b>	Ground - apply in 100 litres of water per hectare. Air - apply in 20-50 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 275 g active ingredient MCPA per hectare + 3.5 - 4.25 L/ha AVENGE 200-C. Use ester formulation of MCPA only.

**Note:** Add MCPA ester to the spray tank first, agitate well, then add MEXTROL 450 Liquid Herbicide, agitate well, and then add AVENGE 200-C. Refer to the AVENGE 200-C and MCPA labels for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + ACHIEVE Liquid</b> Spring and durum wheat only	
<b>Weeds Controlled:</b>	See Section 2, plus weeds indicated on the ACHIEVE Liquid label.
<b>Crop Treatment Stage:</b>	From the 2-leaf to early flag-leaf stage.
<b>Application Method:</b>	Ground - apply in 50-100 litres of water per hectare. Air - apply in 30-45 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 0.5 L/ha ACHIEVE Liquid + 0.5% v/v TURBOCHARGE adjuvant.

**Note:** Add ACHIEVE Liquid to the spray tank first, agitate well, then add MEXTROL 450 Liquid Herbicide, agitate well, and then add TURBOCHARGE adjuvant. Refer to the ACHIEVE Liquid label for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + ALLY</b> Spring wheat only For use in the Prairie Provinces and Peace River Region of British Columbia only.	
<b>Weeds Controlled:</b>	See Section 2, plus hempnettle up to the 8-leaf stage (4 pairs of leaves) and chickweed up to 7 cm high.
<b>Crop Treatment</b>	From the 2-leaf to early flag-leaf stage.

<b>Stage:</b>	
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR. Apply in at least 100 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 7.5 g/ha ALLY + surfactant as required on the ALLY label directions.

**Note:** Add ALLY to the spray tank first, agitate well, then add MEXTROL 450 Liquid Herbicide, agitate well, and then add surfactant. On repeat tank loads, prepare an ALLY/water slurry and add it to the required water volume in the tank prior to adding the MEXTROL 450 Liquid Herbicide. Refer to the ALLY label for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + REFINE Extra or BOOST Herbicide</b>	
<b>Weeds Controlled:</b>	See Section 2, plus hempnettle up to the 6-leaf stage (3 pairs of leaves) and chickweed up to 6-leaf stage (3 pairs of leaves).
<b>Crop Treatment Stage:</b>	From the 2-leaf to early flag-leaf stage.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR. Apply in at least 100 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 6.7 g/ha REFINE Extra or Boost Herbicide + surfactant as required on the REFINE Extra or Boost Herbicide label directions.

**Note:** Add REFINE Extra or Boost Herbicide to the spray tank first, agitate well, then add MEXTROL 450 Liquid Herbicide, agitate well, and then add surfactant. On repeat tank loads, prepare a REFINE Extra or Boost Herbicide /water slurry and add it to the required water volume in the tank prior to adding the MEXTROL 450 Liquid Herbicide. Refer to the REFINE Extra or Boost Herbicide label for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + PUMA<sup>120</sup> SUPER or CORDON Herbicide</b> Spring and durum wheat only. For use in the Prairie Provinces and Peace River Region of British Columbia only.	
<b>Weeds Controlled:</b>	See Section 2, plus weeds indicated on the PUMA <sup>120</sup> SUPER or Cordon Hernicide label. Apply when annual grass weeds are in the 1- to 6-leaf stage of growth.
<b>Crop Treatment Stage:</b>	From the 1- to 6-leaf stage of growth on the main stem plus 3 tillers. Application beyond the 6-leaf stage of spring and durum wheat may result in crop injury.
<b>Application Method:</b>	Ground - apply in 55-110 litres of water per hectare. Air - apply in at least 50 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 770 mL/ha PUMA <sup>120</sup> SUPER or CORDON Herbicide. 1.25 L/ha MEXTROL 450 Liquid Herbicide + 385 mL/ha



	PUMA <sup>120</sup> SUPER or CORDON Herbicide can be used for the control of broadleaved weeds as listed plus green foxtail only.
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**Note:** Refer to the PUMA <sup>120</sup> SUPER or CORDON Herbicide label for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + REFINE Extra or BOOST Herbicide + PUMA <sup>120</sup> SUPER or CORDON Herbicide</b>	
Spring and durum wheat only For use in the Prairie Provinces and Peace River Region of British Columbia only.	
<b>Weeds Controlled:</b>	See Section 2, plus hempnettle up to the 6-leaf stage (3 pairs of leaves) and chickweed up to 6-leaf stage (3 pairs of leaves), plus weeds indicated on the PUMA <sup>120</sup> SUPER or CORDON Herbicide label. Apply when annual grass weeds are in the 1- to 6-leaf stage of growth.
<b>Crop Treatment Stage:</b>	From the 2- to 6-leaf stage of growth on the main stem plus 3 tillers. Application beyond the 6-leaf stage of spring and durum wheat may result in crop injury.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR. Apply in at least 100 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 6.7 g/ha REFINE Extra or BOOST Herbicide + 770 mL/ha PUMA <sup>120</sup> SUPER or CORDON Herbicide. 1.25 L/ha MEXTROL 450 Liquid Herbicide + 385 mL/ha PUMA <sup>120</sup> SUPER or CORDON Herbicide can be used for the control of broadleaved weeds as listed plus green foxtail only.

**Note:** Refer to the REFINE Extra or BOOST Herbicide, and PUMA <sup>120</sup> SUPER or CORDON Herbicide labels for instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + HORIZON Herbicide or SIGNAL Herbicide or Nufarm Clodinafop Herbicide Tank Mix</b>	
Spring and durum wheat only. For use in the Prairie Provinces and Peace River, Okanagan and Creston Flats Regions of British Columbia only.	
<b>Weeds Controlled:</b>	See Section 2, plus weeds indicated on the HORIZON Herbicide or SIGNAL Herbicide or Nufarm Clodinafop Herbicide Tank Mix label. Apply when Wild Oats are in the 1- to 6-leaf stage (total leaves including tillers) and when Green Foxtail is at the 1- to 4-leaf stage of growth.
<b>Crop Treatment Stage:</b>	From the 2-leaf to flag leaf stage.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR. Apply in 100 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + HORIZON

	<p>Herbicide or SIGNAL Herbicide or Nufarm Clodinafop Herbicide Tank Mix at 230 mL/ha HORIZON 240EC or SIGNAL Herbicide or Nufarm Clodinafop Herbicide + surfactant as required on the label directions for control of wild oats, volunteer tame oats, green and yellow foxtail, barnyard grass and volunteer canary seed.</p> <p>For control of preceding weeds plus Persian darnel, add 290 mL/ha HORIZON 240EC or Signal Herbicide or Nufarm Clodinafop Herbicide + surfactant as required on the label directions</p>
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**Note:** Refer to the HORIZON Herbicide or SIGNAL Herbicide or Nufarm Clodinafop Herbicide Tank Mix label for surfactant information, instructions, precautions and limitations.

<b>MEXTROL 450 Liquid Herbicide + EVEREST</b>	
Spring and durum wheat only	
For use in the Prairie Provinces and Peace River Region of British Columbia only.	
<b>Weeds Controlled:</b>	See Section 2, plus weeds indicated on the EVEREST label.
<b>Crop Treatment Stage:</b>	From the 1- to 4-leaf stage of growth on the main stem plus 2 tillers.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR. Apply in at least 100 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha MEXTROL 450 Liquid Herbicide + 43 g/ha EVEREST. 1.25 L/ha MEXTROL 450 Liquid Herbicide + 21.5 g/ha EVEREST can be used for the control of broadleaved weeds as listed plus green foxtail only.

**Note:** Add EVEREST to the spray tank first, agitate well, then add MEXTROL 450 Liquid Herbicide, agitate well, and then add surfactant. Refer to the EVEREST label for instructions, precautions and limitations.

## SECTION: 12

**WINTER WHEAT** - underseeded to red clover  
Do not apply more than one treatment per year.

<b>MEXTROL 450 Liquid Herbicide ALONE</b>	
<b>Weeds Controlled:</b>	See Section 2.
<b>Weeds suppressed:</b>	Prickly Lettuce ( <i>Lactuca scariola</i> )
<b>Crop Treatment Stage:</b>	Apply in the spring when red clover is in the 1 <sup>st</sup> to 3 <sup>rd</sup> trifoliolate stage and when the winter wheat provides a protective canopy over the red clover.

	Winter wheat can be treated from the 2-leaf to flag-leaf stage.
<b>Application Method:</b>	Apply in at least 200 litres of water per hectare. See Section 3.
<b>Application Rate:</b>	1.25 L/ha.

**Note:** Do not apply if the red clover is under stress. This treatment may cause temporary leaf scorch or foliar burn in adverse growing conditions, especially if applied before or during periods of hot and humid weather conditions. Avoid overlapping.

## SECTION 13

**PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN. WARNING POISON. . CAUTION - EYE IRRITANT POTENTIAL SKIN SENSITIZER. Do not get into eyes, on skin or on clothing. Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. Wash concentrate from skin or eyes immediately. Do not inhale spray mist. After use wash hands and other exposed skin. Avoid contamination of ponds, streams, rivers and other water sources. Goggles or a face shield should be worn when handling/mixing and loading operations.

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.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at: [www.croplife.ca](http://www.croplife.ca).

### **PROTECTIVE CLOTHING AND EQUIPMENT:**

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

Aerial applicators and applicators using a closed cab are not required to wear chemical-resistant gloves

**Wear chemical resistant nitrile gloves, e.g. Edmont Sol-Vex #37-155/#37-145 or Pioneer A-15. Gloves which are in good condition must be worn when mixing/loading, spraying, and during clean up and repair.**

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours unless otherwise noted within the brochure.

DO NOT apply this product in a way that this product will contact workers or other persons, either directly or through drift. Only handlers wearing personal protective equipment may be in the area being treated during application.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them.

Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

- 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.

#### **ENVIRONMENTAL HAZARDS:**

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

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 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 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 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:**

This product contains PETROLEUM DISTILLATES. Vomiting may cause aspiration pneumonia. 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, ProSAR, 1-877-325-1840.

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

**STORAGE CONDITIONS:** MEXTROL 450 Liquid Herbicide will solidify at minus 20° C. It will become usable at temperatures above 0°C. Insecticides and fungicides should be segregated from herbicides so as to prevent the possibility of cross-contamination.

**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 use 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 use 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.