

Sleeve

GROUP	4	6	HERBICIDE
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Nufarm  
**Mextrol 400 M**  
AGRICULTURAL

Liquid Herbicide  
CONTAINS BROMOXYNIL + MCPA  
EMULSIFIABLE CONCENTRATE

**GUARANTEE:**

Bromoxynil equivalent 200 g/L (present as ester of N-Octanoic Acid)  
MCPA equivalent 200 g/L (present as low volatile ester)

READ THE LABEL AND ATTACHED  
BOOKLET BEFORE USING

Use in: Spring, winter and durum wheat, barley, oats, flax (including low linolenic acid varieties), fall rye, field and sweet corn, canary grass (for seed production), seedling grasses and established grasses

Controls: Seedling hard-to-kill annual weeds, including lady's thumb, wild and tartary buckwheat

REGISTRATION NO. 25342  
PEST CONTROL PRODUCTS ACT



DANGER POISON

WARNING – SKIN IRRITANT  
POTENTIAL SKIN SENSITIZER

(1 - 450 LITRES)

Nufarm Agriculture Inc.  
5507 1<sup>st</sup> Street SE, Calgary, Alberta T2H 1H9

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

**PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN.

DANGER – POISON. WARNING - SKIN 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.

**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.**

For Aerial Application, mixers/loaders must wear coveralls over normal working clothes.

Pre-harvest Grazing Intervals: Do not use treated crops for grazing of livestock or green feed until 30 days after application of Mextrol 400 M Herbicide unless otherwise stated on the label. Do not cut treated crops for forage until 30 days after application of Mextrol 400 M Herbicide unless otherwise stated on the label.

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.

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. contact 1 866 375-4648 or [www.cropro.org](http://www.cropro.org).

**FIRST AID:**

Remove person from contaminated area, remove contaminated clothing. Keep patient warm, comfortable, at rest.

**Eye Contact:** Flush with water for 15 minutes. Get medical attention or contact a poison control centre IMMEDIATELY.

**Skin Contact:** Remove contaminated clothing, then wash the exposed skin with soap and water IMMEDIATELY.

**Inhalation:** Remove individual to fresh air. Loosen constricting clothing. Obtain IMMEDIATE medical assistance or contact a poison control centre. If breathing has ceased, start artificial respiration.

**Ingestion:** In case of accidental swallowing, DO NOT induce vomiting. This product contains a petroleum distillate. Wash out mouth if product was ingested. Obtain IMMEDIATE medical assistance or contact a poison control centre.

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

**TOXICOLOGICAL INFORMATION:** This product contains an aromatic hydrocarbon solvent.

**STORAGE CONDITIONS:** Mextrol 400 M Herbicide will solidify at minus 20°Celsius . 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 BUYER:**

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

**NOTICE TO USER:**

This control product is to be used only in accordance with the directions on this label. It is an offence under the *PEST CONTROL PRODUCTS ACT* to use a control product under unsafe conditions.

F02R1B/S

Booklet

GROUP	4	6	HERBICIDE
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**Nufarm**

**Mextrol® 400 M**

Emulsifiable Herbicide

**AGRICULTURAL**

**CONTAINS BROMOXYNIL + MCPA  
EMULSIFIABLE CONCENTRATE**

**GUARANTEE:**

Bromoxynil equivalent 200 g/L (present as ester of N-Octanoic Acid)

MCPA equivalent 200 g/L (present as low volatile ester)

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

Use in: Spring, winter and durum wheat, barley, oats, flax (including low linolenic acid varieties), fall rye, field and sweet corn, canary grass (for seed production), seedling grasses and established grasses.

Controls: Seedling hard-to-kill annual weeds, including lady's thumb, wild and tartary buckwheat.

REGISTRATION NO. 25342 PEST CONTROL PRODUCTS ACT

Nufarm Agriculture Inc.

5507 1<sup>st</sup> Street SE

Calgary, Alberta T2H 1H9

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



DANGER POISON  
WARNING – SKIN IRRITANT  
POTENTIAL SKIN SENSITIZER

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**Mextrol 400 M Herbicide is registered to be tank mixed with the following products:**

MCPA (Amine, Ester, K salt)	Horizon® Herbicide Tank Mix
Achieve® 80 DG	Poast® Ultra
Ally®	Puma® EC Herbicide
Atrazine	Select®
Avenge® 200-C	TCA
Fusion® Herbicide Tank Mix	

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## **SECTION 1**

### **GENERAL INFORMATION:**

Mextrol 400 M Herbicide is a selective post-emergence herbicide for the control of important broadleaf weeds in several crops. For optimum weed control apply Mextrol 400 M Herbicide to actively growing weed seedlings. Mextrol 400 M Herbicide is a contact and systemic herbicide. Thorough coverage of the weed seedlings is essential for optimum control.

### **RESISTANCE-MANAGEMENT RECOMMENDATIONS**

For resistance management, Mextrol 400 M Herbicide is both a Group 4 and a Group 6 herbicide. Any weed population may contain or develop plants naturally resistant to Mextrol 400 M Herbicide and other Group 4 and/or Group 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 400 M 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 or to report suspected resistance, contact Nufarm Agriculture Inc. at 1 800-848-5444 or at [www.nufarm.ca](http://www.nufarm.ca).

### **DIRECTIONS FOR USE:**

**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 400 M 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.

**SECTION: 3 APPLICATION AND MIXING INSTRUCTIONS FOR GROUND OR AIR**

Follow all instructions for mixing, spraying precautions, limitations, crop rotations, application timing, pre-harvest intervals etc. on labels of products tank mixed with Mextrol 400 M Herbicide.

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. Flood jet type tips are not recommended. 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.

**FOR AERIAL APPLICATION**

(wheat, barley and oats only) refer to the following 12 points.

1. Weeds must be treated at the recommended growth stages while actively growing. Weed stage should be checked prior to spraying.
2. Mextrol 400 M Herbicide must be applied in water volume rates of not less than 20 L/ha. 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 rate of 40 L/ha is recommended.

3. The recommended application rate per hectare of Mextrol 400 M Herbicide must not be reduced.
4. Effective swath width (as determined by boom width and spray pattern overlaps) must be accurately maintained. Conduct tests to determine the effective swath width of your aircraft. (For example, the effective swath width may be less than one-half of the overall swath).
5. Flat-fan or hollow cone nozzles are recommended.
6. Nozzles should be positioned to compensate for prop-wash and wing-tip vortex effects. Nozzles should not be placed within 1 m of wing tips.
7. Nozzles orientations (measured from direction of flight) to achieve desired minimum droplet density with maximum coverage.

VOLUME RATE	NOZZLE TYPE	NOZZLE ORIENTATION
20 L/ha	Flat Fan	90°
	Hollow Cone	135°
30 L/ha	Flat Fan	90° - 135°
	Hollow Cone	135°
40 L/ha	Flat Fan	135°
	Hollow Cone	135° - 180°

8. Efficient track-marking is essential ("Automatic Flagmen" markers should only be used as a back-up system).
9. Avoid spraying in temperatures greater than 25°C.
10. Spray only when wind is blowing away from a sensitive crop.
11. Do not spray in a dead calm and when wind speed exceeds 8 km per hour.
12. For aerial application mixers/loaders must wear coveralls over normal working clothes.

### **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



*Basic Knowledge Requirements for Pesticide Education in Canada: Applicator Core and Aerial Module*, developed by CAPCO.

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. 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 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 (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.

Other precautions specific to aerial uses should be included in this area, e.g., buffer zones around field edges or aquatic habitat, etc.

**Application Rate:** Mextrol 400 M Herbicide at 1.4 L/ha. At this rate one 10 L jug treats 7.1 ha (17.6 acres)

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<b>Water Volume:</b>	Ground	apply in 50-100 Litres of water per hectare
	Air	apply in 20-40 Litres of water per hectare

<b>Spray Pressure:</b>	Ground	275 kPa.
	Air	Use pressures at the lower end of the range recommended by the nozzle manufacturer.

<b>Nozzles:</b>	Ground	Flat Fan recommended. Do not Use Flood Jet Nozzles.
	Air	See point 7 above.

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**MIXING INSTRUCTIONS:**

1. Fill spray tank half full of water.
2. Add the required amount of Mextrol 400 M Herbicide. Begin agitation.
3. If tank-mixing, add the recommended amount of product to the spray tank after the Mextrol 400 M Herbicide (unless otherwise directed).
4. Complete filling spray tank with water, continue agitation.

**SECTION 4**

**Crop:** BARLEY (not underseeded to legumes).

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**Mextrol 400 M Herbicide Alone:**

**Weeds Controlled:** See Section 2.

**Treatment Stage:** The crop may be treated from 2 leaf to early flag leaf stage.

**Spray Volume & Pressure:** Ground - apply in 50-100 Litres of water per hectare at a pressure of 275 kPa  
Air - apply in 20-40 Litres of water per hectare.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide.

**Application Method:** Ground application or aerial application.

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**Mextrol 400 M Herbicide + MCPA:**

**Weeds Controlled:** See Section 2 plus hemp nettle\* (seedlings up to 4-leaf stage) and volunteer canola (seedlings up to 8-leaf stage).

**Treatment Stage:** The crop may be treated from 2 leaf to early flag leaf stage.

**Spray Volume & Pressure:** Ground - apply in 50-100 Litres of water per hectare at a pressure of 275 kPa  
Air - apply in 20-40 Litres of water per hectare.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + 275 g active/ha MCPA.

**Application Method:** Ground application or aerial application.

**NOTE:** MCPA-K is preferred for hempnettle although other formulations may be used. Add MCPA to spray tank first, agitate, then add Mextrol 400 M Herbicide.

\*Hempnettle is unlikely to be controlled beyond the 4-leaf stage. Plants emerging after application, which is often the case on peat-type soils, will not be controlled.

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**Mextrol 400 M Herbicide + Avenge 200-C:**


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**Weeds Controlled:** See Section 2 plus wild oats.

**Treatment Stage:** The crop may be treated from 2 leaf to 6 leaf stage and when wild oats are at 3-5 leaf stage and broadleaf weeds in the seedling stage as indicated in Section 3.

**Spray Volume & Pressure:** Ground - Apply in 100 L of water per hectare at a pressure of 275 kPa.  
Air - Apply in 20-40 L of water per hectare.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + 3.5-4.25 L/ha Avenge 200-C.  
**NOTE:** Add Mextrol 400 M Herbicide to the spray tank first, agitate, then add Avenge 200 C. MCPA at 275 g active ingredient per hectare may be added to this tank mix.

**Application Method:** Ground application or aerial application

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**Mextrol 400 M Herbicide + Achieve 80DG**


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**Weeds Controlled:** See list in Section 2 plus wild oats and green foxtail (wild millet).

**Treatment Stage:** The crop may be treated from 2 leaf to early flag leaf stage of growth (total leaves including tillers) and when wild oats are at 1-6 leaf stage of growth (total leaves including tillers) and green foxtail is at 1-5 leaf stage of growth.

**Spray Volume & Pressure:** Apply in 100 litres of water per hectare at a pressure of 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + Achieve 80DG at 0.25 kg/ha + Turbocharge at 0.5% v/v (0.5 litres of Turbocharge per 100 L of total spray solution).

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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**NOTE:** This tank mix can be used in all 2 or 6-row varieties of barley (malting and general purpose varieties including semi-dwarf and hulless).

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**Mextrol 400 M Herbicide + Ally**


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**Crop:** Barley (not underseeded to legumes)  
Apply only in Prairie Provinces and Peace River Region of British Columbia.

**Weeds Controlled:** See list in Section 2 plus hemp nettle up to 8 leaf stage of growth (4 pairs of leaves) and chickweed up to 7 cm high.

<b>Treatment Stage:</b>	Treat crop from 2 leaf to early flag leaf stage.
<b>Spray Volume &amp; Pressure:</b>	Minimum 100 L/ha of water at 275 kPa.
<b>Application Rate:</b>	1.4 L/ha Mextrol 400 M Herbicide + 7.5 g/ha Ally + Surfactant as required on the Ally label directions.
<b>Mixing Instructions:</b>	Fill tank half full. Add Ally and agitate. Then add Mextrol 400 M Herbicide, agitate. Fill tank with water 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 400 M Herbicide.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR.

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Refer to Ally label for all precautions, including limitations on soil pH, crop rotations and spray cleanup.

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#### **Mextrol 400 M Herbicide + TCA**

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<b>Weeds Controlled:</b>	See list in Section 2 plus green foxtail (wild millet).
<b>Treatment Stage:</b>	When crop is in 2-4 leaf stage and green foxtail is 1-3 leaf stage.
<b>Spray Volume &amp; Pressure:</b>	Apply in 100-150 litres of water per hectare at 275 kPa.
<b>Application Rate:</b>	1.4 L/ha Mextrol 400 M Herbicide + 1.12 kg active/ha TCA.
<b>Application Method:</b>	Ground application only. DO NOT APPLY BY AIR.

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**MIXING INSTRUCTIONS:** Mextrol 400 M Herbicide should be added to the spray tank first, agitate, then add TCA. Keep well agitated during application.

**NOTE:** This treatment may cause some leaf burn and retarded growth of the crop under adverse growing conditions such as drought.

#### **SECTION 5:**

**Crop:** CANARY GRASS (for seed production).

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#### **Mextrol 400 M Herbicide Alone**

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<b>Weeds Controlled:</b>	See Section 2.
<b>Treatment Stage:</b>	When crop is in 3-5 leaf stage.
<b>Spray Volume &amp; Pressure:</b>	Apply in at least 50 litres of water per hectare at 275 kPa.
<b>Application Rate:</b>	1.4 L/ha Mextrol 400 M Herbicide.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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**SECTION 6:**

**Crop:** CORN (Field and sweet)

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**Mextrol 400 M Herbicide Alone**

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**Weed Controlled:** See Section 2.

**Treatment Stage:** The crop may be treated from 4-6 leaf stage of growth. Damage will occur if corn treated with Mextrol 400 M Herbicide beyond the 6 leaf stage.

**Spray Volume & Pressure:** Apply in 200-300 Litres of water per hectare at a pressure of 275 kPa.

**Application Rate:** 1.4 L/ha of Mextrol 400 M Herbicide.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

**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.

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**Mextrol 400 M Herbicide + Atrazine**

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**Weeds Controlled:** See Section 2 plus weeds on atrazine label.

**Treatment Stage:** Treat crop from 4-6 leaf stage. Damage to corn may occur if applied after 6 leaf stage.

**Spray Volume & Pressure:** Apply in 200-300L of water per hectare, at 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + 1.1-1.50 kg active ingredient/ha Atrazine.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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Add atrazine to the spray tank first. Mix well, then add Mextrol 400 M Herbicide. DO NOT add surfactants or oils or atrazine/oil mixtures.

**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. Refer to the atrazine label for instructions,

precautions and limitations (especially on crop limitations the following year).

## SECTION 7:

**Crop:** FLAX: (Including low linolenic acid varieties).

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### Mextrol 400 M Herbicide Alone

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**Weeds Controlled:** 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.

**Treatment Stage:** Treat crop from 5 cm to early flower bud stage. For best results apply Mextrol 400 M Herbicide when flax is 5 to 10 cm high.

**Spray Volume & Pressure:** Apply in 50-100 Litres of water per hectare at a pressure of 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

Observe a minimum interval to harvest of 60 days after application of Mextrol 400 M Herbicide

**WARNING:** Mextrol 400 M 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.

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### Mextrol 400 M Herbicide + Poast Ultra

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**Weeds Controlled:** See List in Section 2 (redroot pigweed not controlled) plus wild oats, yellow & green foxtail, barnyard grass, volunteer wheat, volunteer barley, witch grass, fall panicum

**Treatment Stage:** Flax may be treated when from 5 to 10 cm high. When using this tank mix it is important that the application be made at the recommended stage of weed growth, particularly where smartweed is present. If broadleaf weeds and grasses are not within the recommended treatment stage at the same time, then separate applications should be made. DO NOT apply during flowering.

**Spray Volume & Pressure:** Apply in 50-100 L of water per hectare at a pressure of 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + Poast Ultra + Merge Surfactant as directed on the Poast Ultra label directions. For maximum crop safety, it is recommended that the lowest registered Merge rate be used in this tank-mix.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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Add Mextrol 400 M Herbicide to the spray tank half filled with water, agitate, add Poast Ultra, agitate, add Merge, agitate.

This treatment may cause some leaf burn and retarded crop growth and delayed crop maturity. 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.

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### **Mextrol 400 M Herbicide + Select**

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**Weeds Controlled:** See List in Section 2 (redroot pigweed not controlled) plus wild oats, yellow & green foxtail, barnyard grass, volunteer barley, volunteer oats, volunteer wheat, volunteer corn.

**Treatment Stage:** Flax may be treated from when 5 cm up to early bud stage. For best results, apply this tank mix when flax is 5 to 10 cm high, and weeds are in the seeding stage. If broad-leaved weeds and grasses are not within the recommended treatment stage at the same time, then separate applications should be made. Leaf burn and retarded growth may follow spraying. When using this tank-mix it is important that application be made at the recommended stage of weed growth, particularly where smartweed is present.

**Spray Volume & Pressure:** Apply in 55-110 litres of water per hectare at a pressure of 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + 0.19L/ha Select + Amigo as required on the Select label directions.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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Add Mextrol 400 M Herbicide to the spray tank half filled with water. Agitate, then add Select. Continue agitation then add Amigo and remaining amount of water. Continue to agitate.

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.

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### **Mextrol 400 M Herbicide + Fusion Herbicide Tank Mix**

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**Crop:** FLAX (Do not use on low linolenic acid varieties) For use in the prairie provinces and Peace River Region of British Columbia.

**Weeds Controlled:** See List in Section 2 (redroot pigweed not controlled) plus wild oats, green foxtail (wild millet), barnyard grass, Persian dandel, volunteer

wheat and barley.

**Treatment Stage:** Flax may be treated when from 5 to 10 cm high. Apply to grasses from 1-6 leaf stage of growth.

**Spray Volume & Pressure:** Apply in 100 litres of water per hectare at a pressure of 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M 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.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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## SECTION 8:

**Crop:** OATS (not underseeded to legumes).

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### Mextrol 400 M Herbicide Alone

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**Weeds Controlled:** See Section 2.

**Treatment Stage:** The crop may be treated from 2 leaf to early flag leaf stage of growth.

**Spray Volume & Pressure:** Ground - apply in 50-100 Litres of water per hectare at a pressure of 275 kPa  
Air - apply in 20-40 Litres of water per hectare.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide.

**Application Method:** Ground application or aerial application.

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### Mextrol 400 M Herbicide + MCPA

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**Weeds Controlled:** See Section 2 plus hemp nettle\* (seedlings up to 4-leaf stage), volunteer canola (seedlings up to 8-leaf stage).

**Treatment Stage:** Treat crop from 2 leaf to early flag leaf stage.

**Spray Volume & Pressure:** Ground - apply in 50-100 Litres of water per hectare at a pressure of 275 kPa  
Air - apply in 20-40 Litres of water per hectare.

**Application Method:** Ground application or aerial application.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + 275 g active/ha MCPA.



**NOTE:** MCPA-K is preferred for hemp nettle although other formulations may be used. Refer to the MCPA label for precautions and limitations. Add MCPA to spray tank first.

\*Hemp nettle is unlikely to be controlled beyond the 4-leaf stage. Plants emerging after application, which is often the case on peat-type soils, will not be controlled.

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#### **Mextrol 400 M Herbicide + TCA**

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**Weeds Controlled:** See list in Section 2 plus green foxtail (wild millet).

**Treatment Stage:** When crop is in 2-4 leaf stage and green foxtail is 1-3 leaf stage.

**Spray Volume & Pressure:** Apply in 100-150 litres of water per hectare at 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + 1.1-2.2 kg active/ha TCA.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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**NOTE:** Mextrol 400 M Herbicide should be added to the spray tank first, agitated, then add TCA. Keep well agitated during application.

This treatment may cause some leaf burn and retarded growth of the crop under adverse growing conditions such as drought. Do not apply if the crop is under stress.

#### **SECTION 9:**

**Crop:** RYE (Fall)

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#### **Mextrol 400 M Herbicide Alone**

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**Weeds Controlled:** See Section 2.

**Treatment Stage:** From time growth starts to early flag leaf stage in the spring.

**Spray Volume & Pressure:** Apply in NOT LESS than 50 L of water per hectare at a pressure of 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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#### **SECTION 10:**

**Crop:** WHEAT: (spring, winter, and Durum)(not underseeded to legumes)

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#### **Mextrol 400 M Herbicide Alone**

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**Weeds Controlled:** See Section 2.

**Treatment Stage:** Treat spring wheat from 2 leaf to early flag leaf stage. Winter wheat can

be treated in fall at 2-4 leaf stage and in spring from start of growth to flag leaf stage.

**Spray Volume & Pressure:** Ground - apply in 50-100 Litres of water per hectare at a pressure of 275 kPa  
Air - apply in 20-40 Litres of water per hectare.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide.

**Application Method:** Ground application or aerial application.

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#### **Mextrol 400 M Herbicide + MCPA**

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**Crop:** Spring Wheat only.

**Weeds Controlled:** See Section 2 plus hemp nettle\* (seedlings up to 4-leaf stage), volunteer canola (seedlings up to 8-leaf stage).

**Treatment Stage:** Spring Wheat may be treated from 2 leaf to early flag leaf stage.

**Spray Volume & Pressure:** Ground - apply in 50-100 Litres of water per hectare at a pressure of 275 kPa  
Air - apply in 20-40 Litres of water per hectare.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + 275 g active/ha MCPA.

**Application Method:** Ground application or aerial application.

**NOTE:** MCPA-K is preferred for hemp nettle although other formulations may be used. Add MCPA first, agitate, then add Mextrol 400 M Herbicide.

\*Hemp nettle is unlikely to be controlled beyond the 4-leaf stage. Plants emerging after application, which is often the case on peat-type soils, will not be controlled.

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#### **Mextrol 400 M Herbicide + Avenge 200-C**

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**Crop:** Wheat (Spring and Durum).

**Weeds Controlled:** See Section 2 plus wild oats.

**Treatment Stage:** Spring wheat may be treated wheat from 2 leaf to 6 leaf stage. Wild oats must be treated in the 3-5 leaf stage and broadleaf weeds in the seedling stage as indicated.

**Spray Volume & Pressure:** Ground - Apply in 100 L of water per hectare at a pressure of 275 kPa.  
Air - Apply in 20-40 litres of water per hectare.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + 3.5-4.25 L/ha Avenge 200-C.

**Note:** Add Mextrol 400 M Herbicide to the spray tank first, agitate, then add Avenge 200-C. MCPA at 275 g active ingredient per hectare may be added to this tank mix.

**Application Method:** Ground application or aerial application.

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This tank mix can only be applied to certain varieties of wheat. Refer to the Avenge 200-C label.

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**Mextrol 400 M Herbicide + Achieve 80DG**

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**Crop:** Spring and Durum Wheat (not underseeded to legumes).

**Weeds Controlled:** See Section 2 plus wild oats and green foxtail (wild millet).

**Treatment Stage:** The crop may be treated from 2 leaf to early flag leaf stage (total leaves including tillers) and when wild oats are at 1-6 leaf stage (total leaves including tillers) and when green foxtail is at 1-5 leaf stage of growth.

**Spray Volume & Pressure:** Apply in 100 litres of water per hectare at a pressure of 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + Achieve 80DG at 0.25kg/ha + Turbocharge at 0.5% v/v (i.e. 0.5 L of Turbocharge per 100 L of spray solution).

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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**Mextrol 400 M Herbicide + Ally**

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**Crop:** Spring Wheat only (not underseeded to legumes); For use only in the Prairie Provinces and Peace River Region of British Columbia.

**Weeds Controlled:** See Section 2 plus hemp nettle up to 8 leaf stage of growth (4 pairs of leaves) and chickweed up to 7 cm high.

**Treatment Stage:** Treat crop from 2 leaf to early flag leaf stage.

**Spray Volume & Pressure:** Minimum 100 L/ha of water at 275 kPa.

**Mixing:** Fill tank half full. Add Ally and agitate. Then add Mextrol 400 M Herbicide, agitate, fill tank with water and then add surfactant. On repeated tank loads prepare an Ally/water slurry and add it to the required water volume in the tank prior to adding the Mextrol 400 M Herbicide.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + 7.5g/ha Ally + Surfactant as required on the Ally label directions.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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Refer to Ally label for all precautions, including limitations on soil pH, crop rotations and spray cleanup.

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**Mextrol 400 M Herbicide + Horizon Herbicide Tank Mix**

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**Crop:** Wheat - (Spring and Durum) (not underseeded to legumes).  
For use only in the Prairie Provinces and Peace River Region of British Columbia.

**Weeds Controlled:** See Section 2 plus wild oats, green foxtail (wild millet), yellow foxtail.

**Treatment Stage:** When crop is in 2 leaf to flag leaf stage of growth (total leaves including tillers) and when wild oats are at the 1-6 leaf stage (total leaves including tillers), and when green foxtail or yellow foxtail is at the 1-5 leaf stage of growth.

**Spray Volume & Pressure:** Apply in 100 litres of water per hectare at 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + Horizon Herbicide Tank Mix [230 mL/ha Horizon 240 EC + 0.8% v/v Score Adjuvant (i.e. 800mL Score with 100L of spray solution)] - for control of weeds listed under Section 2 plus wild oats.  
1.4 L/ha Mextrol 400 M Herbicide + Horizon Herbicide Tank Mix [290 mL/ha Horizon 240 EC + 1% v/v Score Adjuvant (i.e. 1L Score with 100L spray solution)] - for control of weeds listed under Section 2 plus wild oats, green foxtail and yellow foxtail.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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**NOTE:** Do not apply within 15 metres of a body of water or wetland area. Rainfall within one hour of application may reduce effectiveness of tank mix.

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**Mextrol 400 M Herbicide + Puma EC Herbicide**

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**Crop:** Wheat (Spring and Durum). For use only in the Prairie Provinces and Peace River Region of British Columbia.

**Weeds Controlled:** See Section 2 plus wild oats, green foxtail, barnyard grass.

**Treatment Stage:** When crop is in 2-6 leaf stage of growth (on the main stems plus three tillers) and when annual grasses are in 1-6 leaf stage.

**Spray Volume & Pressure:** Apply in 100 litres of water per hectare at 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide + 1.0L/ha Puma EC Herbicide.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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**NOTE:** Application beyond the 6 leaf stage of Spring Wheat and Durum Wheat may result in crop injury. Do not apply within 15 metres of a body of water or wetland area. Do not apply if rain is expected within 1 hour after spraying.

## SECTION 11:

**Crop:** 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)

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### **Mextrol 400 M Herbicide Alone**

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**Weeds Controlled:** See Section 2.

**Treatment Stage:** 2-4 leaf stage of crop. Make only one application per season.

**Spray Volume & Pressure:** Apply in 150 litres of water per hectare at 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

**CAUTION:** Do not graze or harvest for green feed until 56 days after treatment.

**Crop:** GRASSES (not under seeded to legumes)(Timothy, grown for seed).

**Weeds Controlled:** See Section 2.

**Treatment Stage:** Apply prior to shot blade stage in the year of seed production. Make only one application per year.

**Spray Volume & Pressure:** Apply in at least 150 litres of water per hectare at 275 kPa.

**Application Rate:** 1.4 L/ha Mextrol 400 M Herbicide.

**Application Method:** Ground application only.  
DO NOT APPLY BY AIR.

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**SECTION 12:****PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN. DANGER – POISON. WARNING - SKIN 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.

**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.**

For Aerial Application, mixers/loaders must wear coveralls over normal working clothes.

Pre-harvest Grazing Intervals: Do not use treated crops for grazing of livestock or green feed until 30 days after application of Mextrol 400 M Herbicide unless otherwise stated on the label. Do not cut treated crops for forage until 30 days after application of Mextrol 400 M Herbicide unless otherwise stated on the label.

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.

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. contact 1 866 375-4648 or [www.cropro.org](http://www.cropro.org).

**SECTION 13:****FIRST AID:**

Remove person from contaminated area, remove contaminated clothing. Keep patient warm, comfortable, at rest.

**Eye Contact:** Flush with water for 15 minutes. Get medical attention or contact a poison control centre IMMEDIATELY.

**Skin Contact:** Remove contaminated clothing, then wash the exposed skin with soap and water IMMEDIATELY.

**Inhalation:** Remove individual to fresh air. Loosen constricting clothing. Obtain medical assistance or contact a poison control centre IMMEDIATELY. If breathing has ceased, start artificial respiration.

**Ingestion:** In case of accidental swallowing, DO NOT induce vomiting. This product contains a petroleum distillate. Wash out mouth if product was ingested. Obtain IMMEDIATE medical assistance

or contact a poison control centre.

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

#### **SECTION 14:**

##### **TOXICOLOGICAL INFORMATION:**

This product contains an aromatic hydrocarbon solvent.

#### **SECTION 15:**

**STORAGE CONDITIONS:** Mextrol 400 M Herbicide will solidify at minus 20°Celsius . 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 BUYER:**

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

**NOTICE TO USER:**

This control product is to be used only in accordance with the directions on this label. It is an offence under the *PEST CONTROL PRODUCTS ACT* to use a control product under unsafe conditions.

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