

2013-5752  
2015-01-21

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|-------|---|----|------------|
| GROUP | 5 | 15 | HERBICIDES |
|-------|---|----|------------|

## PRIMEXTRA® II MAGNUM®

HERBICIDE

AGRICULTURAL

Liquid Herbicide for Selective Weed Control in Corn

**GUARANTEE:**

S-Metolachlor\* ..... 400 g/L

\* And R enantiomer

Atrazine and related triazines ..... 320 g/L

Contains 1,2-benzisothiazolin-3-one at 0.006% as a preservative

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

**CAUTION**



**POISON**

**CAUTION – EYE IRRITANT  
POTENTIAL SKIN SENSITIZER**

REGISTRATION NO.: **25730**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **10 L- bulk**

**Syngenta Canada Inc.**  
140 Research Lane, Research Park  
Guelph, Ontario  
N1G 4Z3  
Telephone: 1-877-964-3682

## 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.

## FIRST AID

**IF POISONING IS SUSPECTED, IMMEDIATELY** contact a physician or a poison control centre. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**If swallowed**, call a poison control centre or doctor **IMMEDIATELY** for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If on skin or clothing**, take off contaminated clothing. Rinse skin **IMMEDIATELY** with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

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

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

**NOTE:** This product may cause skin sensitization reactions in certain individuals.

## TOXICOLOGICAL INFORMATION

No specific antidote is known. Treat symptomatically. If a large amount has been ingested and emesis is inadequate, lavage stomach. The active ingredients in this product have a high affinity for activated charcoal. Five (5) mg/kg activated charcoal suspension (50 g/400 mL water) can be given to absorb the remaining toxicant. Give a saline laxative and supportive therapy. Skin reactions have been treated with antihistamines and ointments containing an anti-inflammatory agent.

## PRECAUTIONS

**KEEP OUT OF THE REACH OF CHILDREN.** Harmful if swallowed. Avoid contact with eyes or prolonged contact with skin. Avoid inhalation of vapours or spray mist. During application, cleanup and servicing the sprayer wear chemical-resistant gloves, and coveralls over a long-sleeved shirt and long pants and chemical resistant boots. During mixing and loading, wear a face shield in addition to chemical-resistant gloves, and coveralls over a long-sleeved shirt and long pants and chemical resistant boots.

DO NOT re-enter treated areas within 12 hours of treatment. If required, individuals may re-enter treated areas within 12 hours of treatment for short term tasks not involving hand labour if at least 4 hours have passed since application and long-sleeved shirt, long pants and chemical resistant gloves are worn.

Do not eat, drink or smoke when using product. Wear freshly laundered clothes daily. Wash hands and face before eating, drinking, smoking or using the toilet. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse.

Mixing and loading is not permitted within 30 m from aquatic habitats.

## **ENVIRONMENTAL HAZARDS**

Toxic to non-target terrestrial plants and aquatic organisms. Observe the buffer zones and precautionary measures specified under DIRECTIONS FOR USE. USE ONLY ON LABELLED CROPS.

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to: heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted, fine textured or low in organic matter such as clay). Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip (buffer zone) between the treated area and the edge of the water body.

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g., sand, loamy sand and sandy loam soils) and/or the depth to the water table is shallow. Avoid applying this product when heavy rain is forecast.

Atrazine is persistent and will carry over. It is recommended that any products containing atrazine not be used in areas treated with this product during the previous season.

## **SPRAY DRIFT MANAGEMENT FOR GROUND APPLICATIONS**

### **GENERAL INFORMATION:**

Use good pesticide practices and apply only when the potential for drift to areas of human habitation or areas of human activity such as houses, cottages, schools and parks is minimal. Take into consideration wind speed, wind direction, temperature, application equipment and sprayer settings used for applications.

For the protection of non-target habitats, over-spray or drift to any body of water or other environmentally sensitive habitats must be avoided. The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

### **GROUND APPLICATION:**

USE ONLY ON CORN. Do not apply PRIMEXTRA<sup>®</sup> II MAGNUM<sup>®</sup> Herbicide at rates greater

than 4.0 L/ha.

Apply atrazine at a maximum of 1.5 kg a.i./ha per year either as a pre- or post-emergent application before corn reaches 30 cm in height. Treatments can be made once or twice per year, but the maximum amount of atrazine used in a year cannot exceed 1.5 kg a.i./ha. Atrazine may be applied alone or as a registered tank mix partner. Refer to the tank mix partners for further instructions. PRIMEXTRA II MAGNUM, when applied at 3 L/ha and 4 L/ha, contributes 1.0 and 1.3 kg a.i./ha of atrazine, respectively.

### **STORE IN A DRY PLACE.**

Bulk sites must be diked around and under the bulk tank with an impermeable non-earthen dike. The dike must be large enough to hold and contain 110 percent of the capacity of the largest tank.

**CAUTION:** Do not graze or cut corn for fodder before ear emergence. Sufficient data are not available to support such use. Do not harvest sweet corn within 45 days of application. Do not harvest corn within 80 days application. Make only one application per season.

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 website at [www.croplife.ca](http://www.croplife.ca).

### **DECONTAMINATION AND DISPOSAL**

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.

#### **CONTAINER 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.
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CALL 1-800-327-8633 (FASTMED)***

MAGNUM® and PRIMEXTRA® are trademarks of a Syngenta Group Company

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**DIRECTIONS FOR USE**

Do NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. Do NOT apply during periods of dead calm or when winds are gusty. Do not apply this product through any type of irrigation system. Do NOT overspray non-target terrestrial or aquatic habitats.

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

**DO NOT APPLY BY AIR**

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

**WEEDS CONTROLLED:**

|                                |                              |
|--------------------------------|------------------------------|
| Crabgrass (smooth & hairy)     | Wild Mustard <sup>1</sup>    |
| Barnyard Grass                 | Purslane <sup>1</sup>        |
| Foxtail (green, yellow, giant) | Prostrate Pigweed            |
| Witchgrass                     | Buckwheat                    |
| Fall Panicum                   | Smart Weed <sup>1</sup>      |
| American Nightshade            | Ragweed <sup>1</sup>         |
| Lady's-thumb <sup>1</sup>      | Redroot Pigweed <sup>1</sup> |
| Yellow Nutsedge <sup>2</sup>   | Lamb's-quarters <sup>1</sup> |
| Eastern Black Nightshade       |                              |

<sup>1</sup> Some naturally occurring triazine tolerant biotypes of these weeds may not be controlled by PRIMEXTRA II MAGNUM Herbicide. Refer to specific recommendations in the tank-mix section of this label or consult your local agricultural authority.

<sup>2</sup> For best results against yellow nutsedge use preplant incorporated.

**NOTE:** PRIMEXTRA II MAGNUM Herbicide contains benoxacor which has been shown to enhance S-Metolachlor metabolism in corn. This enhanced metabolism can reduce the potential of S-Metolachlor injury to corn seedlings when grown under unfavourable weather conditions such as cool temperatures or water stress.

**TIMING OF APPLICATION:**

| EASTERN CANADA   | PRAIRIES  |
|--|---|
| Preplant Surface<br>or<br>Preplant Incorporated<br>or<br>Pre-emergence | Preplant Incorporated<br>or<br>Pre-emergence if irrigated within<br>10 days |

|  |  |
|--|--|
| or<br>Post-emergent (up to 6-leaf<br>corn) |  |
|--|--|

**PREPLANT SURFACE APPLICATIONS:**

- For minimum tillage (reduced tillage) and no-till (zero-till) systems in corn.
- Applications may be made up to 30 days before planting.
- To the extent possible, do not move the treated soil out of the row or move untreated soil to the surface during planting or weed control will be diminished.

**PREPLANT INCORPORATED APPLICATIONS:**

- Immediate incorporation is not necessary
- Incorporation equipment should include rolling or western harrows.
- On sandy soils, heavy rainfall following incorporated treatment may cause leaching of herbicide.

| INCORPORATION INSTRUCTIONS                       |                    |               |
|--|--------------------|---------------|
| TYPE OF EQUIPMENT                                | MAX. WORKING DEPTH | MINIMUM SPEED |
| "S" Tine Danish Cultivator                       | 10 cm              | 10 km/hr      |
| "C" Tine Cultivator with overlapping sweeps      | 10 cm              | 10 km/hr      |
| Tandem disc, maximum 18 cm spacing between discs | 10 cm              | 6 km/hr       |
| Power driven Cultivator                          | 5 cm               | any           |
| Mulch Master                                     | 5 cm               | 10 km/hr      |

**PRE-EMERGENT APPLICATIONS:**

- Apply evenly to a firm lump-free seed bed.
- Rain is required within 10 days or a shallow cultivation or use of a rotary hoe is necessary.

**POST-EMERGENT APPLICATION (EASTERN CANADA ONLY):**

-Apply when corn is in the spike to 6-leaf stage and **before weeds pass the 2-leaf stage**. Some leaf burn may occur, but yield will not be affected. **DO NOT tank-mix with fluid fertilizers, oils, oil concentrates or surfactants.**

- Use the PRIMEXTRA II Magnum herbicide plus Liberty<sup>®</sup> herbicide tank mix only on glufosinate ammonium tolerant corn.

- Use the PRIMEXTRA II MAGNUM Herbicide plus glyphosate herbicide tank mix only on glyphosate tolerant corn.

**CAUTION:** Do not apply to soils with less than 1% or more than 10% organic matter.

**APPLICATION RATES - PRIMEXTRA II MAGNUM HERBICIDE ALONE:**

| TIMING | WEEDS CONTROLLED | LITRES OF PRIMEXTRA II MAGNUM HERBICIDE PER HECTARE |                         |                        |
|--------|------------------|---|-------------------------|------------------------|
|        |                  | LIGHT WEED INFESTATION                              | MEDIUM WEED INFESTATION | HEAVY WEED INFESTATION |
|        |                  |   |                         |                        |

|   |   |     |     |     |
|---|---|-----|-----|-----|
| PPI   | Yellow Nutsedge <sup>2</sup><br>Annual Grasses and<br>Broadleaf Weeds | 3.0 | 3.5 | 4.0 |
| PREPLANT<br>SURFACE <sup>1</sup> or<br>PRE-EMERGENT                             | Annual Grasses and<br>Broadleaf Weeds                                 | 3.0 | 3.5 | 4.0 |
| EARLY POST-<br>EMERGENT (spike<br>to 2-leaf corn)                               | Annual Grasses and<br>Broadleaf Weeds                                 | 3.0 | 3.5 | 4.0 |
| POST-EMERGENT<br>(3 to 6-leaf stage)<br>(hybrid, sweet and<br>silage corn only) | Annual Grasses and<br>Broadleaf Weeds                                 | 3.0 | 3.5 | 4.0 |

<sup>1</sup> Apply preplant surface applications of PRIMEXTRA II MAGNUM Herbicide alone only when emerged annual weeds are less than 6 cm tall. If emerged annual weeds are taller than 6 cm apply glyphosate-containing herbicide prior to the application of PRIMEXTRA II MAGNUM Herbicide or make an application of a tank mix of PRIMEXTRA II MAGNUM Herbicide plus glyphosate-containing herbicides (see following table). Consult the tank-mix partner label for specific instructions regarding precautions, restrictions, recommended rates and additives.

<sup>2</sup> Extended periods of dry weather may result in reduced nutsedge control.

**Note:** For band treatment, a suitable press wheel mounted ahead of the nozzle should be used for levelling the band. Use proportionately less material.

**APPLICATION RATES - PRIMEXTRA II MAGNUM Herbicide ALONE FOR EARLY SEASON WEED SUPPRESSION ONLY:**

| TIMING                                       | WEEDS SUPPRESSED                      | LITRES OF PRIMEXTRA II MAGNUM<br>HERBICIDE PER HECTARE <sup>1,2,3</sup> |
|--|---------------------------------------|---|
| PPI, PREPLANT<br>SURFACE or PRE-<br>EMERGENT | Annual Grasses and Broadleaf<br>Weeds | 2.5   |

<sup>1</sup> **FIELD CORN ONLY.**

<sup>2</sup> Will provide suppression only through the critical crop establishment phase and is to be used in a planned weed management program with a post-emergent herbicide treatment. Monitor the species and growth stages of escapes in order to better select a post-emergent herbicide application.

<sup>3</sup> Extended periods of dry weather may result in reduced nutsedge control.

**PRIMEXTRA II MAGNUM HERBICIDE TANK MIXTURES (EASTERN CANADA ONLY):**

| <b>TIMING</b>  | <b>WEEDS CONTROLLED</b>  | <b>RATE PER HECTARE PRIMEXTRA II MAGNUM HERBICIDE</b> | <b>RATE PER HECTARE TANK MIX PARTNER<sup>1</sup></b>   |
|--|--|---|--|
| PREPLANT SURFACE<br>or<br>PRE-EMERGENT   | Annual Grasses and Broadleaf Weeds, Emerged Annual or Perennial Weeds                            | 3.0 – 4.0 L   | + 1.7 – 1.8 L TOUCHDOWN TOTAL <sup>®2,3</sup><br>or 1.7 – 1.8 L TRAXION <sup>®2,3</sup><br>or 1.57 – 1.67 L Roundup Weathermax <sup>®2,3</sup><br>or 2.35 – 2.5 L Roundup Original <sup>®2,3</sup><br>or 2.35 – 2.5 L Roundup Transorb <sup>®2,3</sup><br>or 1.23 – 1.30 kg Roundup Dry (68.5% glyphosate) <sup>2,3</sup><br>or 2.35 – 2.5 L Glyphos <sup>2,3</sup><br>or 2.35 – 2.5 L Credit <sup>2,3</sup><br>or 2.35 – 2.5 L Vantage <sup>2,3</sup><br>or 2.35 – 2.5 L Vantage Plus <sup>2,3</sup><br>or 2.35 – 2.5 L Renegade <sup>2,3</sup> |
| PREPLANT SURFACE<br>or<br>PRE-EMERGENT<br><br><b>INTENDED FOR EARLY SEASON WEED SUPPRESSION ONLY<sup>5,6</sup></b> | Suppression of Annual Grasses and Broadleaf Weeds, Emerged Annual or Perennial Weeds             | 2.5 L   | +1.7 – 1.8 L TOUCHDOWN TOTAL <sup>2,3</sup><br>or 1.7 – 1.8 L TRAXION <sup>2,3</sup><br>or 1.57 – 1.67 L Roundup Weathermax <sup>2,3</sup><br>or 2.35 – 2.5 L Roundup Original <sup>2,3</sup><br>or 2.35 – 2.5 L Roundup Transorb <sup>2,3</sup><br>or 1.23 – 1.30 kg Roundup Dry (68.5% glyphosate) <sup>2,3</sup><br>or 2.35 – 2.5 L Glyphos <sup>2,3</sup><br>or 2.35 – 2.5 L Credit <sup>2,3</sup><br>or 2.35 – 2.5 L Vantage <sup>2,3</sup><br>or 2.35 – 2.5 L Vantage Plus <sup>2,3</sup><br>or 2.35 – 2.5 L Renegade <sup>2,3</sup>       |
| PREPLANT SURFACE   | Annual Grasses and Broadleaf Weeds including triazine-resistant Broadleaf Weeds                  | 3.3 L   | 216 g Fieldstar <sup>™4</sup>  |
| PREPLANT INCORPORATED  | Annual Grasses and Broadleaf Weeds including triazine-resistant Broadleaf Weeds, Yellow Nutsedge | 3.3 L   | 216 g Fieldstar <sup>4</sup>   |
| PRE-EMERGENT   | Annual Grasses and Broadleaf Weeds including triazine-resistant Broadleaf Weeds                  | 3.0 - 4.0 L   | 1.25 L Banvel <sup>®</sup> II <sup>4</sup><br>or<br>0.75 – 1.5 kg Lorox DF <sup>4</sup><br>or<br>0.8 – 1.5 L Lorox Liquid <sup>4</sup>   |
|  |  | 3.0 - 4.0 L   | 0.3 L CALLISTO <sup>®</sup> 480SC  |
|  |  | 3.3 L   | 216 g Fieldstar <sup>4</sup>   |
| EARLY POST-EMERGENT  | Annual Grasses and Broadleaf   | 3.3 L   | 216 g Fieldstar <sup>4</sup>   |

| TIMING  | WEEDS CONTROLLED  | RATE PER HECTARE PRIMEXTRA II MAGNUM HERBICIDE | RATE PER HECTARE TANK MIX PARTNER <sup>1</sup>   |
|---|---|--|--|
| (up to 2-leaf corn only)  | Weeds including triazine-resistant Broadleaf Weeds                              | 3.0 – 4.0 L                                    | 0.6 – 1.25 L Banvel II <sup>4</sup>  |
|   |   | 3.0 – 4.0 L                                    | 0.3 L CALLISTO 480SC <sup>5</sup>  |
| POST-EMERGENT (3 to 5-leaf corn) (hybrid and silage corn only)  | Annual Grasses and Broadleaf Weeds including triazine-resistant Broadleaf Weeds | 3.0 - 4.0 L                                    | 0.6 – 1.25 L Banvel II <sup>4</sup>  |
| POST-EMERGENT when used ONLY on glufosinate ammonium tolerant corn (ex. Liberty Link <sup>®</sup> hybrids). Apply up to 6-leaf corn | Annual Grasses and Broadleaf Weeds including triazine-resistant broadleaf weeds | 3.0 - 4.0 L                                    | 1.5 – 2 L Liberty <sup>†</sup> 200SN <sup>7</sup>  |
| POST-EMERGENT when used ONLY on glyphosate tolerant corn Apply up to and including 6-leaf corn                                      | Annual Grasses and Broadleaf Weeds, Emerged Annual or Perennial Weeds           | 2.5 L  | 1.8 L TOUCHDOWN TOTAL <sup>2,3,8</sup><br>or 1.8 L TRAXION <sup>2,3,8</sup><br>or 1.67 L Roundup Weathermax <sup>2,3</sup><br>or 2.5 L Roundup Original <sup>2,3</sup><br>or 2.5 L Roundup Transorb <sup>2,3</sup><br>or 2.5 L Glyfos <sup>2,3</sup><br>or 2.5 L Credit Plus <sup>2,3</sup><br>or 2.5 L Vantage <sup>2,3</sup><br>or 2.5 L Vantage Plus <sup>2,3</sup><br>or 2.5 L Renegade <sup>2,3</sup> |

<sup>1</sup>. Consult the label of the product to be tank mixed with PRIMEXTRA II MAGNUM Herbicide for specific instructions regarding rotational crops; use rates under various conditions and rotational crops, grazing or other restrictions.

<sup>2</sup>. A tank mix with glyphosate-containing product requires the use of a non-ionic surfactant. Refer to the label of the tankmix partner and the surfactant for the specific mixing instructions. (See 'MIXING AND SPRAYING INSTRUCTIONS').

<sup>3</sup>. Some perennial weeds may not be controlled with these glyphosate rates. Consult the tank mix partner label regarding perennial weeds controlled.

<sup>4</sup>. **DO NOT USE THESE TANK MIXES ON SEED CORN, SWEET CORN OR POPCORN.**

<sup>5</sup>. **FIELD CORN ONLY.**

<sup>6</sup>. Will provide suppression only through the critical crop establishment phase and is to be used in a planned weed management program with a post-emergent herbicide treatment. Monitor the species and growth stages of escapes in order to better select a post-emergence herbicide application.

<sup>7</sup> Use of this tank mix will provide control of the following emerged weeds: Barnyard Grass, Buckwheat, Cocklebur, Crabgrass (smooth & hairy), Eastern Black Nightshade, Fall Panicum, Foxtail (green,

yellow, giant), Lady's-thumb, Lamb's-quarters, Proso Millet, Ragweed, Redroot Pigweed, Wild Mustard, Witchgrass, and Velvetleaf.

- <sup>8</sup>. No surfactant is required when using a tank mix with TOUCHDOWN TOTAL or TRAXION applied post-emergent on glyphosate tolerant corn at these rates.

**Note:** If using Fieldstar Herbicide, ensure that the water-soluble packets and the Fieldstar Herbicide are completely dissolved before proceeding to the next step.

### **APPLICATION IN LIQUID FERTILIZERS:**

Nitrogen solutions or complete liquid fertilizers may replace water as a carrier for preplant incorporated or pre-emergence application of PRIMEXTRA II MAGNUM Herbicide in corn. Do not use fertilizer solutions for post-emergence application, as there is danger of liquid fertilizer causing crop injury. Always predetermine the compatibility of PRIMEXTRA II MAGNUM Herbicide tank mixes with your liquid fertilizer carrier by mixing small proportional quantities in advance.

### **DRY BULK GRANULAR FERTILIZERS:**

Many dry bulk granular fertilizers may be impregnated with PRIMEXTRA II MAGNUM Herbicide for preplant incorporated application to control weeds in corn.

For workers incorporating atrazine into dry bulk fertilizers the following conditions must be met:

- The activity is restricted to commercial facilities (prohibit on-farm impregnation).
- The facilities must employ a closed mix/load system.
- A maximum of 1500 kg active ingredient can be incorporated per day.
- This activity must occur for no more than 30 days per year.

Prepare the herbicide/fertilizer mixtures by using a closed mix/load system. Spray the herbicide uniformly onto the fertilizer. If the herbicide/fertilizer mixture is too wet, the use of a highly absorptive powder (generally less than 2% by weight), such as Microcel E, diatomaceous earth or finely powdered clay is recommended.

For best results, apply PRIMEXTRA II MAGNUM Herbicide/fertilizer mixtures uniformly to the soil with properly calibrated equipment immediately after blending and incorporate according to label directions.

**NOTE:** Apply a minimum of 225 kg per hectare of dry granular fertilizer impregnated with recommended rates of PRIMEXTRA II MAGNUM Herbicide.

**PRECAUTIONS:** Do not impregnate PRIMEXTRA II MAGNUM Herbicide onto nitrate fertilizers, superphosphates or limestone.

### **BUFFER ZONES:**

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

hedgerows, pastures, rangelands, and shrublands).

| Method of application | Buffer zone required for the protection of: |                           |
|-----------------------|---|---------------------------|
|                       | Terrestrial habitat<br>(m)                  | Freshwater habitat<br>(m) |
| Field sprayer         | 10  | 10                        |

\*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 canopy, the labeled 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 canopy, the labeled buffer zones can be reduced by 30%.

### MIXING AND SPRAYING INSTRUCTIONS:

Protect sprayer operators from drift or mist. Additional information on spray drift management for GROUND APPLICATIONS is provided in the section "SPRAY DRIFT MANAGEMENT FOR GROUND APPLICATIONS". When low volumes of spray are applied, complete coverage and thorough application are essential for most effective results. Schedule applications in accordance with local conditions. Consult your local agricultural authorities for specific use information.

- . Spray Pressure - 200 - 300 kPa
- . Spray Volume/hectare - minimum 150 litres
- . Use 16 mesh suction screens, 50 mesh screens elsewhere on sprayer.

Where possible use a nurse tank to fill your spray tank. Spray equipment should be thoroughly flushed with clean water before mixing PRIMEXTRA II MAGNUM Herbicide. Refer to the label of the tank mix partner and the surfactant for the specific mixing instructions.

1. Fill spray tank 1/2 full with carrier. Engage gentle agitation.
2. Add Lorox DF or Fieldstar if applicable. Slurry Lorox DF or Fieldstar with water first if using liquid fertilizer as the carrier.
3. Add PRIMEXTRA II MAGNUM Herbicide directly into the tank and maintain agitation. Ensure the PRIMEXTRA II MAGNUM Herbicide is well mixed before adding remaining ingredients.
4. Fill the tank to 3/4 full with carrier and then add the Liberty, Lorox Liquid or Banvel II, if required.
5. Add the non-ionic surfactant if using a glyphosate-containing tank-mix partner. Agitate to ensure thorough mixing. No surfactant is required when using a tank mix with TOUCHDOWN TOTAL or TRAXION applied post-emergent on glyphosate tolerant corn at these rates.
6. Add the glyphosate-containing tank-mix partner, if desired.
7. Complete filling the spray tank with carrier maintaining gentle agitation during mixing and spraying operations.
8. Do not let stand without agitation.

### WARNING:

Do not plant any crop other than corn in the same year on land treated with PRIMEXTRA II MAGNUM Herbicide as injury may occur. The following year there is virtually no hazard to soybeans, white beans, corn, oats or barley (not underseeded to a legume) in Eastern Canada.



Moldboard plough and till soil thoroughly before planting these rotational crops. In the Prairie Provinces, corn must be planted the year following application. However, when the rotational crop is subjected to stress conditions, e.g. abnormally hot, dry weather, preceded by extended periods of dry weather the previous season, injury may occur. Do not tank mix with any other herbicide or additive unless listed on this label.

**NOTICE TO USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS:**

The DIRECTIONS FOR USE for this product for the use(s) described below were developed by persons other than Syngenta Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Syngenta Canada Inc. itself makes no representation or warranty with respect to performance (efficacy) or crop tolerance (phytotoxicity) claims for this product when used on the crop(s) listed below.

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

**FIELD CORN - CONTROL OF TALL WATERHEMP:**

| TIMING       | RATE PER HECTARE<br>PRIMEXTRA II MAGNUM<br>HERBICIDE | REMARKS   |
|--------------|--|---|
| Pre-emergent | 4.0 L  | Make only one application per year. Apply in a minimum of 150 L water/ha. Apply by ground equipment only. Some naturally occurring triazine tolerant biotypes of these weeds may not be controlled by PRIMEXTRA II MAGNUM Herbicide. Refer to specific recommendations in tank-mix section of this label or consult your local agricultural authority. Pre-emergent to the field corn crop and tall waterhemp (for Prairies, treatment must be irrigated within 10 days). |

**RESISTANCE-MANAGEMENT RECOMMENDATIONS**

For resistance management PRIMEXTRA II MAGNUM Herbicide is both a Group 5 and a Group 15 herbicide. Any weed population may contain or develop plants naturally resistant to PRIMEXTRA II MAGNUM Herbicide and other Group 5 and/or Group 15 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 PRIMEXTRA II MAGNUM Herbicide or other Group 5 and 15

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 Syngenta Canada Inc. company representatives at 1-877-SYNGENTA (1-877-964-3682) or at [www.syngenta.ca](http://www.syngenta.ca).

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