

**03-MAY-2004 Notification received of label changes. See below for these changes.**

Barrier Bag

**CROSSFIRE® HERBICIDE TANK MIX**

FOR SALE FOR AGRICULTURAL USE IN THE PRAIRIE PROVINCES AND THE PEACE RIVER REGION OF BRITISH COLUMBIA ON SPRING WHEAT (EXCLUDING DURUM) AND SPRING BARLEY AS A POSTEMERGENCE SPRAY ONLY

In this package is a water-soluble bag containing CROSS Herbicide within a water-soluble bag also containing FIRE Herbicide. Both products must be used together.

COMMERCIAL

READ THE LABEL AND ENCLOSED BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

**NET CONTENTS:** 1 x 580 gram water-soluble bag  
Each water-soluble bag contains:  
CROSS Toss-N-Go® - 40 grams  
FIRE Toss-N-Go® - 540 grams

<b>GROUP</b>	<b>2</b>	<b>HERBICIDE</b>
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CROSS Toss-N-Go®, REGISTRATION NO. 24461 PEST CONTROL PRODUCTS ACT  
GUARANTEE: Tribenuron Methyl 75%

<b>GROUP</b>	<b>5</b>	<b>HERBICIDE</b>
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FIRE Toss-N-Go®, REGISTRATION NO. 24462 PEST CONTROL PRODUCTS ACT  
GUARANTEE: Metribuzin 75%

DO NOT SELL WATER SOLUBLE BAGS SEPARATELY.

WARNING - EYE IRRITANT  
- POTENTIAL SKIN SENSITIZER

~~DUPONT CANADA INC.~~  
AGRICULTURAL PRODUCTS  
BOX 2300, STREETSVILLE  
MISSISSAUGA, ONTARIO  
L5M 2J4  
1-800-667-3925

E.I. DU PONT CANADA COMPANY

Notification Change

PRECAUTIONS:

- ◆ KEEP OUT OF REACH OF CHILDREN.
- ◆ MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN.
- ◆ AVOID BREATHING SPRAY MIST. USE WITH ADEQUATE VENTILATION.
- ◆ AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WEAR SUITABLE CHEMICAL RESISTANT GLOVES AND GOGGLES OR FACE SHIELD DURING MIXING AND LOADING. MAY IRRITATE SKIN AND EYES.
- ◆ WHEN USING, DO NOT EAT, DRINK, OR SMOKE.
- ◆ WASH SKIN THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.
- ◆ DO NOT CONTAMINATE ANY BODY OF WATER.
- ◆ REMOVE CONTAMINATED CLOTHING IMMEDIATELY AFTER USE.
- ◆ STORE AND WASH CONTAMINATED CLOTHING SEPARATELY FROM HOUSEHOLD LAUNDRY BEFORE REUSE.
- ◆ DO NOT SELL WATER SOLUBLE BAGS SEPARATELY.
- ◆ DO NOT APPLY BY AIR.

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

IF IN EYES: Flush eyes IMMEDIATELY with plenty of water for 15 minutes. Consult a physician or poison control centre, IMMEDIATELY.

IF ON SKIN: Wash skin with plenty of soap and water. Remove and wash all contaminated clothing before reuse. Consult a physician or poison control centre, IMMEDIATELY.

IF INGESTED: Administer water freely and induce vomiting. Repeat until vomit fluid is clear. Consult a physician or poison control centre, IMMEDIATELY.

IF INHALED: Remove individual from site of exposure. Consult a physician or poison control centre IMMEDIATELY.

Never give anything by mouth to an unconscious person. Remove victim to safe, uncontaminated area. If victim has ceased breathing, clear airway and start artificial respiration. Obtain medical attention or contact a poison control centre, IMMEDIATELY. Take container or label or the product name and registration number with you to emergency/hospital or physician or poison control centre.

TOXICOLOGICAL INFORMATION: Treat symptomatically

STORAGE AND DISPOSAL:

STORAGE:

Store product in original container only, away from other pesticides, fertilizer, seed, food or feed.

Not for use or storage in or around the home. Keep container closed.

Keep water-soluble bags in original outer package away from moisture. Keep away from fire, heat or open flame.

DISPOSAL:

1. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
2. Make the empty container unsuitable for further use.

3. Dispose of the container in accordance with provincial requirements.
4. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial agency in case of a spill, and or clean-up of spills.

#### 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.

Directions for use booklet

**CROSSFIRE® POSTEMERGENCE HERBICIDE TANK MIX**

FOR SALE FOR USE IN SPRING WHEAT (EXCLUDING DURUM) AND SPRING BARLEY IN THE PRAIRIE PROVINCES AND THE PEACE RIVER REGION OF BRITISH COLUMBIA ONLY

COMMERCIAL

THIS TANK MIX USES:

GROUP	2	HERBICIDE
CROSS Toss-N-Go®, REGISTRATION NO. 24461 PEST CONTROL PRODUCTS ACT GUARANTEE: Tribenuron Methyl 75%		

GROUP	5	HERBICIDE
FIRE Toss-N-Go®, REGISTRATION NO. 24462 PEST CONTROL PRODUCTS ACT GUARANTEE: Metribuzin 75%		

DO NOT SELL WATER SOLUBLE BAGS SEPARATELY.

READ THE LABEL AND THIS DIRECTIONS FOR USE BOOKLET BEFORE USING

KEEP OUT OF REACH OF CHILDREN

CONTENTS: Each water soluble bag contains

CROSS Toss-N-Go® - 40 grams  
FIRE Toss-N-Go® - 540 grams

WARNING - EYE IRRITANT  
POTENTIAL SKIN SENSITIZER

Notification Change

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PRECAUTIONS:

- ◆ KEEP OUT OF REACH OF CHILDREN.
- ◆ MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN.
- ◆ AVOID BREATHING SPRAY MIST. USE WITH ADEQUATE VENTILATION.
- ◆ AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WEAR SUITABLE CHEMICAL RESISTANT GLOVES AND GOGGLES OR FACE SHIELD DURING MIXING AND LOADING. MAY IRRITATE SKIN AND EYES.
- ◆ WHEN USING, DO NOT EAT, DRINK, OR SMOKE.
- ◆ WASH SKIN THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.
- ◆ DO NOT CONTAMINATE ANY BODY OF WATER.
- ◆ REMOVE CONTAMINATED CLOTHING IMMEDIATELY AFTER USE.
- ◆ STORE AND WASH CONTAMINATED CLOTHING SEPARATELY FROM HOUSEHOLD LAUNDRY BEFORE REUSE.
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FIRST AID

IF IN EYES: Flush eyes immediately with plenty of clean water for 15 minutes. Consult a physician or poison control centre, **IMMEDIATELY**.

IF ON SKIN: Wash skin with plenty of soap and water. Remove and wash all contaminated clothing before reuse. Consult a physician or poison control centre **IMMEDIATELY**.

IF INGESTED: Administer water freely and induce vomiting. Repeat until vomit fluid is clear. Consult a physician or poison control centre **IMMEDIATELY**.

IF INHALED: Remove individual from site of exposure. Consult a physician or poison control centre **IMMEDIATELY**.

TOXICOLOGICAL INFORMATION: Treat Symptomatically.

Never give anything by mouth to an unconscious person. Remove victim to safe, uncontaminated area. If victim has ceased breathing, clear airway and start artificial respiration. Obtain medical attention or contact a poison control centre **IMMEDIATELY**. Take container or label or the product name and registration numbers with you to emergency/hospital or physician or poison control centre.

IMPORTANT INFORMATION - READ BEFORE USING

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

DO NOT APPLY BY AIR.

Do not apply in high winds.

Carefully observe sprayer clean-up instructions, as spray tank residue may damage crops other than spring wheat or spring barley. Thoroughly clean all traces of tank mix from application equipment immediately after use. Flush tank, pump, hoses, and boom with several changes of water after removing nozzle tips and screens (clean these parts separately). Wash away any spray mixture from the outside of spray tank, nozzle or spray rig.

DO NOT APPLY CROSSFIRE® HERBICIDE TANK MIX WITH A CARRIER OTHER THAN WATER OR ANY ADDITIVE OTHER THAN THOSE INDICATED ON THIS LABEL. Other carriers may accelerate breakdown of this product and reduce its effectiveness.

Note: Do not use on muck soil or subsequent crops may be injured.

Rotation crops such as onions, celery, peppers, cole crops, lettuce, spinach, sugar beets, table beets, turnips, pumpkin, squash, cucumbers, melons, tobacco, and canola are sensitive to the components of this tank mixture and may be injured if planted in soil treated with this tank mixture both during the year of application and the following crop year.

Applications of CROSSFIRE® Herbicide Tank Mix made at rates above those recommended may result in burning, yellowing or stunting of the crop. If heavy rains occur soon after application, plant injury may result, especially in poorly drained areas where water may stand for several days.

Uneven application such as swath overlapping, variable tractor speed, spraying on turns, etc., may result in crop injury and increase chance of injury to rotation crops.

## DIRECTIONS FOR USE

### GENERAL INFORMATION

DuPont CROSSFIRE® Herbicide Tank Mix provides post emergence control of common chickweed (including sulfonylurea herbicide-tolerant biotypes) and some broadleaf weeds in spring planted wheat (excluding durum) and spring barley when applied as a tank mixture with MCPA Amine. Refer to the MCPA 500 labels for recommendations, directions for use and restrictions.

Warm, moist growing conditions promote active weed growth and enhance the activity of CROSSFIRE® Herbicide Tank Mix by allowing maximum foliar uptake and contact activity. Weeds hardened off by environmental stress such as cold weather, drought stress or excessive heat may not be adequately controlled or suppressed, and regrowth may occur. CROSSFIRE® Herbicide Tank Mix may only be applied using ground spray equipment. For best results, ensure thorough spray coverage of target weeds.

DO NOT APPLY BY AIR.

CROSSFIRE® Herbicide tank mix rapidly stops growth of susceptible weeds. However, typical symptoms (discolouration) of dying weeds may not be noticeable for 1 to 3 weeks after application, depending on growing conditions and weed susceptibility. Degree of control and duration of effect depend on weed sensitivity, weed size, spray coverage and growing conditions. Activity of the herbicide mixture may be delayed by cold, dry conditions after application.

### MIXING INSTRUCTIONS

1. Use gloves and goggles when handling water soluble bags.
2. Add one-third of the necessary volume of water to the spray tank.

3. With the agitator running, add the required number of CROSSFIRE® Herbicide Tank Mix Toss-N-Go® Bags.
4. Continue to agitate until the Toss-N-Go® Bags (both the CROSS and the FIRE) have dissolved and CROSSFIRE® Herbicide Tank Mix components are in suspension.
5. Add the required amount of MCPA Amine while continuing agitation.
6. Add the rest of the water. If an antifoam agent is required, add this last.
7. Use a minimum spray volume of 100 L/ha.
8. For repeat tankloads, reduce the material remaining in the tank to 10% of the original volume or less before proceeding with step 2. If this is not possible, pre-slurry CROSSFIRE® Herbicide Tank Mix Toss-N-Go® Bags in a small amount (5-10 L) of water before adding to the tank. MCPA does not need to be pre-slurried.

Continuous agitation is required to keep the tank mix components in suspension. If the spray preparation is left standing without agitation, thoroughly agitate to resuspend the mixture before spraying. Do not allow the mixture to stand for more than an hour without agitation. Use the spray preparation within 24 hours or product degradation may occur.

#### RATE OF APPLICATION

Apply CROSSFIRE® Herbicide Tank Mix Bags at 144 grams of product per hectare with 0.56 L/ha of MCPA Amine 500. Do not apply with more than 275 kPa spray pressure. At these rates, one water soluble bag of CROSSFIRE® Herbicide Tank Mix (containing one water soluble bag of CROSS and one water soluble bag of FIRE) plus 2.25 L of MCPA Amine 500 will treat 4.0 hectares (10 acres).

#### WEEDS CONTROLLED

Annual sow thistle (suppression\*)

Ball mustard

Canada thistle (top growth control)

Common chickweed (including sulfonyl urea tolerant populations)

Green smartweed

Hemp-nettle

Lamb's-quarters

Stinkweed

Volunteer canola

Wild buckwheat (suppression\*)

Wild mustard

\* Weed suppression is a visual reduction in weed competition (reduced population or vigour) as compared to an untreated area. Degree of suppression will vary with size of weed and environmental conditions prior to and following treatment.

#### WHEN TO APPLY

Apply from the full 3-leaf stage to 5-leaf stage of spring wheat (excluding durum) and spring barley. Do not apply after heads have emerged. Do not use on the Klondike variety of barley. Crop must be planted 5 cm deep and not underseeded to forages.

For best results apply to young, emerged actively growing chickweed that is less than 10 cm tall or across and before the crop canopy closes. Weeds that emerge after treatment will not be controlled.

NOTE: If rain occurs soon after application, control may be reduced. At least 4-6 hours of dry weather is needed to allow the CROSSFIRE® Herbicide Tank Mix components to be absorbed by weed foliage. Environmental conditions that slow the drying of the spray mixture on the foliage such as high relative humidity, cool air temperatures or cloud cover, may increase the time required.

Do not apply within 60 days of harvest. Do not graze or feed crop to livestock within 30 days of application.

#### MINIMUM RECROPPING INTERVAL AND CROP ROTATION GUIDELINES

Do not plant any crop other than spring wheat or spring barley in the season in which CROSSFIRE® Herbicide Tank Mix was applied.

#### EQUIPMENT-SPRAY VOLUMES

Apply the spray mixture uniformly with properly calibrated ground equipment only. Ensure thorough coverage and a uniform spray pattern. Flat fan nozzles are recommended (minimum 100 litres spray volume per hectare). Use 50 mesh filter screens or larger (metal or nylon).

Continuous agitation is required to keep CROSSFIRE® Herbicide Tank Mix in suspension. Apply uniformly and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from over application.

Reduce drift with high water volume, low pressure, and coarse sprays.

DO NOT APPLY BY AIR.

#### SPRAYER CLEANUP

The following clean-out procedure will remove traces of the CROSSFIRE® Herbicide Tank Mix from the sprayer.

1. Drain tank; then flush tank, boom and hoses with clean water for a minimum of ten minutes to remove all visible residues.
2. Fill the tank with clean water then add 1 litre household AMMONIA (containing a minimum of 3% ammonia) per 100 litres of water. Fill boom and hoses with solution and allow sprayer to sit for 15 minutes. Drain.
3. Repeat step 2.
4. Nozzles and screens should be removed and cleaned separately. To remove traces of ammonia, rinse the tank, hoses and booms thoroughly with clean water.
5. Dispose of tank rinseate according to Provincial directions.

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

#### RESISTANCE-MANAGEMENT RECOMMENDATIONS:



For resistance management, CROSSFIRE Herbicide Tank Mix contains Group 2 and Group 5 herbicides. Any weed population may contain or develop plants naturally resistant to CROSSFIRE Herbicide Tank Mix and other Group 2 and Group 5 herbicides. The resistance 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 used of CROSSFIRE Herbicide Tank Mix or other Group 2 and Group 5 herbicides with 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 your local DuPont representative or the DuPont hotline at 1-800-667-3925 for further information.

#### USE PRECAUTIONS:

Licensed wheat and barley varieties have shown acceptable tolerance to CROSSFIRE® Herbicide Tank Mix. Consult DuPont Canada Inc. prior to use on unlicensed varieties for crop tolerance information.

Do not apply to irrigated land where tail water will be used to irrigate other crop land.

Do not contaminate irrigation water.

Use a maximum of 144 grams of CROSSFIRE® Herbicide Tank Mix per hectare per year.

CROSSFIRE® Herbicide Tank Mix applied to spring wheat or spring barley that is stressed by severe conditions such as drought, low fertility, saline soils, water logged soils (soils at or near field capacity), disease or insect damage may result in crop injury. Drought, disease or insect damage following application may also result in crop injury, grade or yield loss.

Do not apply CROSSFIRE® Herbicide Tank Mix to spring wheat or spring barley undersown with legumes or grasses as injury to the forage may result.

Do not remove soil from treated fields for use on lawns, in gardens or for backfill.

Under certain conditions such as prolonged cool weather temperature or wide fluctuations in day/night temperatures just prior to or soon after treatment, temporary yellowing and/or crop stunting may occur.

**OVERSPRAY OR DRIFT TO IMPORTANT WILDLIFE HABITATS SUCH AS SHELTERBELTS, WETLANDS, SLOUGHS OR DRY SLOUGH BORDERS, OR WOODLOTS, SHOULD BE AVOIDED. LEAVE A 15 METER BUFFER ZONE BETWEEN THE LAST SPRAY SWATH AND THE EDGE OF ANY OF THESE HABITATS.**

Do not use on highly variable soils that have large gravelly or sandy areas, eroded knolls or calcium deposits.

Control of weeds growing in wheel tracks may be reduced if CROSSFIRE® Herbicide Tank Mix is applied under dry, dusty conditions.

STORAGE AND DISPOSAL:

STORAGE:

Store products in original containers only, away from other pesticides, fertilizer, seeds, food or feed.

Not for use or storage in or around the home. Keep container closed.

Keep water soluble bags in original outer package away from moisture. Keep away from fire, heat or open flame.

DISPOSAL:

1. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
2. Make the empty container unsuitable for further use.
3. Dispose of the container in accordance with provincial requirements.
4. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial agency in case of a spill, and or clean-up of spills.

NOTICE TO USER:

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

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.

The seller warrants that the purchase by the buyer and the use of this product, as such, will not infringe any Canadian patent.

The DuPont Oval®, is a registered trademark of E.I. du Pont de Nemours and Company. DuPont Canada Inc. is a Licensee.

CROSS™, FIRE™, and CROSSFIRE® and Toss-N-Go® are registered trademarks of DuPont Canada Inc.

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