

2020-06-12
Sub.No.2020-1059

PRINCIPAL DISPLAY PANEL

GROUP	2	HERBICIDE
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REFINE EXTRA® Herbicide Toss-N-Go® Bags

Dry Flowable 75%

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

AGRICULTURAL

REGISTRATION NO. 22575 PEST CONTROL PRODUCTS ACT
WARNING – EYE AND SKIN IRRITANT

ACTIVE INGREDIENT: Thifensulfuron methyl 50%
Tribenuron methyl 25%

Warning, contains the allergen milk and sulfites

NET CONTENTS: 320 g
(4 X 80 gram water soluble bags)

READ THE LABEL AND THIS ATTACHED BOOKLET BEFORE USING

FMC of Canada Limited
6755 Mississauga Road, Suite 204
Mississauga, ON L5N 7Y2
1-833-362-7722

DO NOT SELL WATER SOLUBLE BAGS SEPARATELY.

PRECAUTIONS:

- WARNING - EYE AND SKIN IRRITANT.
- KEEP OUT OF REACH OF CHILDREN.
- AVOID BREATHING SPRAY MIST. USE WITH ADEQUATE VENTILATION.
- AVOID CONTACT WITH SKIN, EYES AND CLOTHING.
- DO NOT CONTAMINATE ANY BODY OF WATER.
- MAY BE HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. CAUSES EYE AND SKIN IRRITATION.
- WHEN USING, DO NOT EAT, DRINK OR SMOKE. WASH SKIN THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.
- REMOVE CONTAMINATED CLOTHING IMMEDIATELY AFTER USE. STORE AND WASH CONTAMINATED CLOTHING SEPARATELY FROM HOUSEHOLD LAUNDRY BEFORE REUSE.
- DO NOT SELL WATER SOLUBLE BAGS SEPARATELY.
- DO NOT APPLY BY AIR.
- WEAR GOGGLES OR FACE SHIELD, COVERALLS, LONG-SLEEVED SHIRT, LONG PANTS, SOCKS, AND CHEMICAL RESISTANT GLOVES AND FOOTWEAR DURING MIXING, LOADING, APPLICATION, CLEAN-UP AND REPAIR. CHEMICAL-RESISTANT GLOVES ARE NOT REQUIRED WHILE OPERATING GROUNDBOOM SPRAYERS
- **DO NOT** ENTER OR ALLOW ENTRY INTO TREATED AREAS FOR 12 HOURS AFTER APPLICATION.

FIRST AID:**IF IN EYES:**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

IF ON SKIN OR CLOTHING:

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

IF SWALLOWED:

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

IF INHALED:

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

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

For medical emergencies call **1-800-331-3148** (24 hours).

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

STORAGE:

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

DISPOSAL:

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

NOTICE TO USER:

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

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

REGISTERED TRADEMARKS:

REFINE EXTRA and Toss-N-Go are Registered trademarks/trademarks of FMC Corporation or an affiliate.

DFU Booklet

REFINE EXTRA® Herbicide Toss-N-Go® Bags

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- **DO NOT** ENTER OR ALLOW ENTRY INTO TREATED AREAS FOR 12 HOURS AFTER APPLICATION.

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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.

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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.

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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 treatment advice.

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

For medical emergencies call **1-800-331-3148** (24 hours).

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS:

- Overspray or drift to important wildlife habitats such as shelterbelts, wetlands, sloughs or dry slough borders and woodlots should be avoided.
- Do not use on highly variable soils that have large gravelly or sandy areas, eroded knolls, or calcium deposits.
- Do not remove soil from treated fields for use on lawns, in gardens or for back fill.
- Do not contaminate irrigation water. Do not apply to land where tail water will be used to irrigate cropland.
- Do not apply more than 20 g per hectare of REFINE EXTRA® HERBICIDE Toss-N-Go® Bags per crop year.
- **TOXIC** to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under **DIRECTIONS FOR USE**.
- 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 or fine textured such as clay).
- Avoid application of this product when heavy rain is forecast.
- Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip between the treated area and the edge of the water body.

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WATER SOLUBLE BAG LABEL	3031

PRODUCT DESCRIPTION:

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags is recommended for selective post-emergent control or suppression of broadleaf weeds in wheat (spring, winter or durum), spring barley and oats not underseeded to legumes or grasses.

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags is a 75% active ingredient herbicide formulated as a dry flowable dispersible granule contained in a water-soluble film. It is non-corrosive, non-flammable, non-volatile and does not freeze.

Use gloves and goggles when handling the water-soluble bags. Reseal unused Toss-N-Go® Bags into original bag when not in use. Avoid exposure of Toss-N-Go® Bags to excess moisture or physical damage during storage and prior to mixing in spray tank.

REFINE EXTRA® HERBICIDE Toss-N-Go® bags are to be mixed with water and a recommended adjuvant and applied as a uniform broadcast spray. Recommended adjuvants are: AGRAL* 90, AG-SURF* and CITOWETT* PLUS. Apply early postemergence, to the main flush of actively growing broadleaf weeds. APPLY WITH GROUND EQUIPMENT ONLY.

Warm, moist growing conditions promote active weed growth and enhance the activity of Refine Extra® Herbicide Toss-N-Go® Bags by allowing maximum foliar uptake and contact activity. Weeds hardened off by cold weather or drought stress may not be adequately controlled or suppressed

and regrowth may occur. For best results, ensure thorough spray coverage of target weeds. See "DIRECTIONS FOR USE" section of this label for complete use details.

Refine Extra® Herbicide Toss-N-Go® Bags stops growth of susceptible weeds rapidly. However, typical symptoms (discolouration) of dying weeds may not be noticeable for 1 to 3 weeks after application, depending upon growing conditions and weed susceptibility. Degree of control and duration of effect are dependent on weed sensitivity, weed size, crop competition, growing conditions at and following treatment, and spray coverage.

Canola, flax, lentils and alfalfa may be planted two months after an application of REFINE EXTRA® HERBICIDE Toss-N-Go® Bags. Any crop may be planted in the year following the use of REFINE EXTRA® HERBICIDE Toss-N-Go® Bags. One 320 g container of REFINE EXTRA® HERBICIDE Toss-N-Go® Bags treats 16 ha. Each 80-gram Toss-N-Go® bag treats 4 ha.

IMPORTANT INFORMATION: READ BEFORE USING

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

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

REPLANTING TO OTHER CROPS:

Minimum Crop Rotation Guidelines:

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

GRAZING/HARVEST RESTRICTIONS:

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

VARIETY RESTRICTIONS:

Limit use of Refine Extra® Herbicide Toss-N-Go® Bags to currently licensed varieties of wheat (spring, durum, winter), spring barley and oats. Consult FMC prior to use on unlicensed varieties for crop tolerance information. DO NOT USE ON LEGER SPRING BARLEY OR BELVEDERE WHEAT VARIETIES.

APPLICATION INFORMATION:

APPLICATION PRECAUTIONS:

- DO NOT APPLY BY AIR.
- Do not apply to irrigated land where tail water will be used to irrigate cropland.
- Do not use on highly variable soils that have large gravelly or sandy areas, eroded knolls or calcium deposits.
- Overspray or drift to important wildlife habitats such as shelterbelts, wetlands, sloughs or dry slough borders and woodlots should be avoided.
- Apply with an adjuvant registered for use with REFINE EXTRA® HERBICIDE Toss-N-Go® Bags

- Use only water as a carrier. Other carriers may accelerate breakdown of REFINE EXTRA® HERBICIDE Toss-N-Go® Bags and reduce its effectiveness.
- Do not apply to crops underseeded to legumes or grasses as injury to forage may result.
- Application to crops that are stressed by severe weather conditions, frost, low fertility, water logged soil (soil at or near field capacity), disease or insect damage may result in crop injury. Drought, disease or insect damage following application may also result in crop injury.
- Under certain conditions, such as heavy rainfall, prolonged cool weather, frost or wide fluctuations in day/night temperatures, temporary lightening in crop colour, and occasionally, a slight reduction in crop height may occur.
- Do not apply more than 20 grams/hectare of REFINE EXTRA® HERBICIDE Toss-N-Go® Bags per year.

APPLICATION INSTRUCTIONS:

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

Continuous agitation is required to keep REFINE EXTRA® HERBICIDE Toss-N-Go® Bags in suspension. Apply uniformly. Avoid overlapping and shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from over application.

DIRECTIONS FOR USE:

• Thifensulfuron-methyl is formulated as a wettable granule or a soluble granule sealed within a water-soluble package (WSP). Drop intact WSP directly into spray tank. The WSP and pesticide will dissolve readily in water.

• **DO NOT** allow the WSP to become wet prior to use. Do not handle individual WSP with wet hands or wet gloves as this may cause breakage. Do not remove WSP from overwrap container except for immediate use.

• **DO NOT** open WSP or attempt to remove the contents from them. The contents are not designed to be re-measured or subdivided.

• **DO NOT** use opened or punctured WSP.

• If broken WSP is found when the over-wrap bag is opened, avoid contact with, and inhalation of the product. Handle with chemical-resistant gloves and dispose of broken WSP according to the DISPOSAL section

• **DO NOT** re-enter treated fields until 12 hours after application.

• Apply only when the potential for drift to areas of human habitation or areas of human activity (houses, cottages, schools and recreational areas) is minimal. Take into consideration wind speed, wind direction, temperature inversion, application equipment and sprayer settings.

Field sprayer application:

• **DO NOT** apply during periods of dead calm. Avoid application of this product when winds are gusty.

• **DO NOT** apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification. Boom height must be 60 cm or less above the crop or ground.

Buffer zones:

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

Method of Application	Buffer zone (metres) required for the protection of:		
	Terrestrial habitat	Aquatic habitats of water depths:	
		<1m	>1m
Field sprayer*	15	1	0

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

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

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

REFINE EXTRA® HERBICIDE TOSS-N-GO® BAGS	
LOCATION: Not restricted	
CROP (S): wheat (spring, durum, winter), spring barley and oats only	
TIMING: Post-emergent application from 2-leaf to flag leaf (shot blade) growth stage of crop, prior to head emergence, but before the crop canopy will prevent thorough coverage of target weeds. For best results apply to young, actively growing weeds that are less than 10 cm in height or diameter. Thorough coverage of target weeds is essential.	
TANK MIX COMPONENTS AND APPLICATION RATES	
REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
Adjuvants: AGRAL® 90, AG-SURF® or CITOWETT® PLUS	2 litres/1000 litres of spray solution
MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags, then adjuvant. Refer to MIXING DIRECTIONS section for general instructions.	

WEEDS CONTROLLED

annual smartweed (green smartweed, lady's thumb) / ball mustard / chickweed¹ / corn spurry / cow cockle / flixweed / groundsel (common) / hemp-nettle / kochia / lamb's quarters / narrow-leaved hawk's beard / redroot pigweed / Russian thistle / shepherd's purse / stinkweed / tartary buckwheat / volunteer rapeseed² / volunteer sunflower / wild buckwheat³ / wild mustard

Notes

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

² Refine Extra® Herbicide Toss-N-Go® Bags alone will not control imazamox and imazethapyr tolerant canola (e.g., varieties with Pursuit Smart trait).

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

WEEDS SUPPRESSED

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

Notes

⁴ Apply when the majority of thistles have emerged and are actively growing. For best top growth control, apply before bud stage when thistles are no larger than 15 cm in height and before crop canopy prevents thorough coverage of weeds. A single application will effectively inhibit the ability of emerged thistles to compete with the crop. Later emerging thistles will not be suppressed

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

Refine Extra® Herbicide Toss-N-Go® Bags will keep mallow stunted, but may not reduce overall populations.

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

NOTE: Rainfall within 4 hours of application of Refine Extra® Herbicide Toss-N-Go® Bags will result in reduced weed control.

REFINE EXTRA® HERBICIDE TOSS-N-GO® BAGS + MCPA

LOCATION: Not restricted

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

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

TANK MIX COMPONENTS AND APPLICATION RATES

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
MCPA Amine or Ester 500	0.7-1.1 litres/hectare (350-560 grams acid equivalent/hectare)
OR	
MCPA Ester 500	0.56 litres/hectare (280 grams acid equivalent/hectare)
Adjuvants: AGRAL* 90, AG-SURF* or CITOWETT* PLUS	2 litres/1000 litres of spray solution

MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags, then MCPA to the tank while maintaining agitation, then adjuvant.

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

WEEDS CONTROLLED BY REFINE EXTRA® HERBICIDE TOSS-N-GO® BAGS+ MCPA AT 0.7-1.1 L/HA

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

WEEDS CONTROLLED BY REFINE EXTRA® HERBICIDE TOSS-N-GO® BAGS+ MCPA ESTER 500 AT 0.56 L/HA

Weeds controlled by REFINE EXTRA® Herbicide Toss-N-Go® Bags as well as volunteer imazamox and imazethapyr tolerant canola (e.g., Clearfield* canola)(2-4 leaf stage)

Notes

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

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

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

WEEDS SUPPRESSED

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

Notes

⁴ Apply when the majority of thistles have emerged and are actively growing. For best top growth control, apply before bud stage when thistles are no larger than 15 cm in height and before crop canopy prevents thorough coverage of weeds. A single application will effectively inhibit the ability of emerged thistles to compete with the crop. Later emerging thistles will not be suppressed.

⁵ Apply to actively growing round leaved mallow from the 2-6 leaf stage (10-12 cm in height). Refine Extra® Herbicide Toss-N-Go® Bags+ MCPA will keep mallow stunted, but may not reduce overall populations.

NOTES: Ensure that Refine Extra® Herbicide Toss-N-Go® bags are completely in suspension before adding MCPA. Consult the MCPA label for additional application instructions and use precautions.

WHEAT (SPRING, DURUM, WINTER) AND SPRING BARLEY

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

4) Acid equivalent.	
Adjuvants: AGRAL [®] 90, AG-SURF [®] or CITOWETT [®] PLUS	2 litres/1000 litres of spray solution
MIXING: Mixing order is Refine Extra [®] Herbicide Toss-N-Go [®] Bags, then 2,4-D to the tank while maintaining agitation, then adjuvant. Antifoaming agent may be required. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
annual smartweed (green smartweed, lady's thumb) / ball mustard / burdocks (seedling) / chickweed ¹ / cocklebur / common ragweed / corn spurry / cow cockle / false ragweed / flixweed / giant ragweed / hare's-ear mustard / hemp-nettle / Indian mustard / kochia / lamb's quarters / plantain (common) / prickly lettuce / redroot pigweed / Russian pigweed / Russian thistle / shepherd's purse / stinkweed / stork's bill (2-6 leaf) (2,4-D Ester only) / tartary buckwheat / tumble mustard / volunteer rapeseed ² / wild buckwheat ³ / wild mustard / wild radish / wormseed mustard	
Notes	
¹ Apply when chickweed is small (1-6 leaf) and actively growing, but before crop canopy prevents thorough herbicide coverage of weeds. Chickweed emerging after application will not be controlled.	
² For imazamox and imazethapyr tolerant canola (e.g., Clearfield [*] canola) consult the 2,4-D label for appropriate use rates.	
³ Apply to actively growing wild buckwheat in the cotyledon-3 leaf stage. Under environmental stress, such as dry weather, control may be reduced. Large plants may re-grow after treatment.	
WEEDS SUPPRESSED	
Canada thistle ⁴ / round leaved mallow ⁵ / scentless chamomile / sow thistle ⁴ / toadflax (2,4-D Ester only)	
Notes	
⁴ Apply when the majority of thistles have emerged and are actively growing. For best top growth control, apply before bud stage when thistles are no larger than 15 cm in height and before crop canopy prevents thorough coverage of weeds. Refine Extra [®] Herbicide Toss-N-Go [®] Bags + 2,4-D will effectively inhibit the ability of emerged thistles to compete with the crop. Later emerging thistles will not be suppressed.	
⁵ Apply to actively growing round leaved mallow from the 2-6 leaf stage (10-12 cm in height). Refine Extra [®] Herbicide Toss-N-Go [®] Bags+ 2,4-D will keep mallow stunted, but may not reduce overall populations.	
NOTES: Ensure that Refine Extra [®] Herbicide Toss-N-Go [®] bags are completely in suspension before adding MCPA. Consult the 2,4-D label for additional application instructions and use precautions.	

SPRING WHEAT (INCLUDING DURUM) AND SPRING BARLEY

REFINE EXTRA[®] HERBICIDE Toss-N-Go[®] Bags + ASSERT[*] 300 HERBICIDE	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP (S): spring wheat (including durum) and spring barley only	
TIMING: Post-emergent application from 2-leaf to 6-leaf growth stage of crop. Apply to wild oats from the 1-4 leaf stage.	
TANK MIX COMPONENTS AND APPLICATION RATES	
REFINE EXTRA [®] HERBICIDE TOSS-N-GO [®] BAGS	20 grams/hectare
ASSERT 300 HERBICIDE [*]	1.3 litres/hectare for 1-3 leaf stage of wild oats 1.6 litres/hectare for 4-leaf stage of wild oats
No adjuvant required.	

<p>MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags then Spray Water pH Adjuster then Assert® 300 HERBICIDE</p> <p>Ensure that Refine Extra® Herbicide Toss-N-Go® Bags are completely in suspension before adding pH Adjuster and that pH Adjuster is completely dissolved before adding Assert® 300 Herbicide while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions.</p>
<p style="text-align: center;">WEEDS CONTROLLED</p> <p>Broadleaf weeds controlled by Refine Extra® Herbicide Toss-N-Go® Bags alone, as well as wild oats.</p>
<p>NOTES: Use spray preparation within 12 hours or product degradation may occur. Consult the Assert® 300 Herbicide label for additional application instructions, use precautions and recropping information.</p>

<p>REFINE EXTRA® HERBICIDE Toss-N-Go® Bags + ASSERT® 300 HERBICIDE+ MCPA Ester 500</p>	
<p>LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.</p>	
<p>CROP (S): spring wheat (including durum) and spring barley only</p>	
<p>TIMING: Post-emergent application from 4-leaf to 6-leaf growth stage of crop. Apply to wild oats from the 1-4 leaf stage.</p>	
<p>TANK MIX COMPONENTS AND APPLICATION RATES</p>	
REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
ASSERT® 300 HERBICIDE	<p>BROWN AND DARK BROWN SOIL ZONES</p> <p>1.3 litres/hectare for 1-3 leaf stage of wild oats 1.6 litres/hectare for 4-leaf stage of wild oats</p> <p>BLACK AND GREY WOODED SOIL ZONES</p> <p>1.6 litres/hectare</p>
MCPA Ester 500	0.7-1.1 litres/hectare (350-560 grams acid equivalent/hectare)
<p>No adjuvant required.</p>	
<p>MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags then Spray Water pH Adjuster then Assert® 300 Herbicide then MCPA Ester 500. Ensure that Refine Extra® Herbicide Toss-N-Go® Bags are completely in suspension before adding pH Adjuster and that pH Adjuster is completely dissolved before adding Assert®300 Herbicide, while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions.</p>	
<p>WEEDS CONTROLLED</p> <p>Broadleaf weeds controlled by Refine Extra® Herbicide Toss-N-Go® Bags alone, as well as wild oats.</p>	
<p>NOTES: Use spray preparation within 12 hours or product degradation may occur. Consult the Assert® 300 Herbicide and MCPA Ester 500 labels for additional application instructions, use precautions and recropping information.</p>	

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

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

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

WEEDS CONTROLLED

Broadleaf weeds controlled or suppressed by Refine Extra® Herbicide Toss-N-Go® Bags alone, as well as weeds controlled by MCPA Ester 500 at 700 mL/hectare, or volunteer imazamox and imazethapyr tolerant canola (e.g. Clearfield* canola)(2-4 leaf stage) when applied at 560 mL/hectare, plus wild oats, volunteer oats, green foxtail, yellow foxtail, Persian darnel, volunteer canary seed, and proso millet.

NOTES: Do not harvest within 60 days for grain and straw and 30 days for hay. Do not graze treated crop for 7 days after application. Consult AXIAL* 100 EC Herbicide and MCPA Ester labels for additional information on appropriate weed staging, application instructions, environmental and use precautions.

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags + PUMA* SUPER

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

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

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

TANK MIX COMPONENTS AND APPLICATION RATES

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
PUMA* SUPER	0.5-1.0 litre/hectare for green foxtail 1.0 litre/hectare for wild oats and barnyard grass

No adjuvant required.

MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags then Puma* Super, while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions.

WEEDS CONTROLLED

Broadleaf weeds controlled or suppressed by Refine Extra® Herbicide Toss-N-Go® Bags alone, as well as green foxtail, barnyard grass and wild oats.

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

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags + MCPA ESTER 500 + PUMA* SUPER

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

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

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

TANK MIX COMPONENTS AND APPLICATION RATES

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
MCPA ESTER 500	0.84 litres/hectare
PUMA* SUPER	0.5-1.0 litre/hectare for green foxtail 1.0 litre/hectare for wild oats and barnyard grass

No adjuvant required.

MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags, then Puma* Super, while maintaining agitation, then MCPA Ester 500. Refer to MIXING DIRECTIONS section for general instructions.

WEEDS CONTROLLED

Broadleaf weeds controlled or suppressed by Refine Extra® Herbicide Toss-N-Go® Bags+ MCPA Ester 500 (0.84 litres/hectare) as well as green foxtail, barnyard grass and wild oats.

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

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

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags + PUMA* 120 SUPER + MCPA Ester 500	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP (S): spring wheat (including durum) and spring barley only	
TIMING: Post-emergent application from 1 to 6-leaf plus 3 tillers growth stage of spring and durum wheat; 1 to 5-leaf plus 2 tillers growth stage of spring barley. For annual grass weeds, apply from 1 to 6-leaf stage, up to emergence of third tiller.	
TANK MIX COMPONENTS AND APPLICATION RATES	
REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
PUMA* 120 SUPER	385 mL/hectare for green foxtail only 770mL/hectare for wild oats, green foxtail, yellow foxtail and barnyard grass
MCPA Ester 500	560 mL/hectare for volunteer imazamox and imazethapyr tolerant canola (e.g., Clearfield canola)(2-4 leaf stage). 840 mL/hectare for weeds controlled by MCPA Ester 500 at this rate.
No adjuvant required.	
MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags then Puma* 120 Super, while maintaining agitation. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by Refine Extra® Herbicide Toss-N-Go® Bags alone: green foxtail, yellow foxtail, barnyard grass and wild oats as well as weeds controlled by MCPA Ester 500 at 840 mL/hectare or volunteer imazamox and imazethapyr tolerant canola (e.g., Clearfield* canola)(2-4 leaf stage) when MCPA Ester 500 is applied at 560 mL/hectare.	
NOTES: Consult the MCPA Ester 500 and Puma* 120 Super labels for additional information on appropriate weed staging, application instructions, environmental and use precautions.	

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags + ACCORD* DF HERBICIDE	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP (S): spring wheat (including durum) and spring barley (grown for feed purposes only) NOT UNDERSEEDED TO FORAGES	
TIMING: Post-emergent application from 2 to 5-leaf growth stage of the crop. See below for weed staging.	
TANK MIX COMPONENTS AND APPLICATION RATES	
REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
ACCORD* DF HERBICIDE	135 grams/hectare for most weeds listed below 165 grams/hectare for green foxtail 67 grams/hectare for cleavers and annual sowthistle
Adjuvant: MERGE* only	10 litres/1000 litres of spray solution (1.0% v/v)
MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags then Accord* DF Herbicide then Merge* adjuvant. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by Refine Extra® Herbicide Toss-N-Go® Bags alone, as well as:	
green foxtail	1-5 leaf, 2 tillers
barnyard grass	1-5 leaf
volunteer flax	1-8 cm
cleavers	1-4 whorls
NOTES: Do not apply this tank mixture more often than once every 2 years. Do not graze the treated crops or cut for hay within 77 days of application. Consult the Accord* DF Herbicide label for rotational cropping restrictions, application instructions, use precautions and other restrictions. Refer to the Accord* DF Herbicide label for additional information on appropriate weed staging at application. Thorough coverage of foliage is important for consistent weed control.	

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags + ACCORD* DF HERBICIDE+ Puma* 120 Super	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP (S): spring wheat (including durum) and spring barley (grown for feed purposes only) NOT UNDERSEEDED TO FORAGES	
TIMING: Post-emergent application from 2 to 5-leaf growth stage of spring and durum wheat or to barley at the 2 to 4-leaf stage. See below for weed staging.	
TANK MIX COMPONENTS AND APPLICATION RATES	
REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
ACCORD* DF HERBICIDE	67 grams/hectare for cleavers only
Puma* 120 Super	0.77 litres per hectare
MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags then Accord* DF Herbicide then Puma* 120 Super. Merge adjuvant is NOT required in this tank mixture. Refer to MIXING DIRECTIONS section for general instructions.	

WEEDS CONTROLLED

Broadleaf weeds controlled or suppressed by Refine Extra® Herbicide Toss-N-Go® Bags alone, as well as:

Wild oats, green foxtail, barnyard grass – 1 - 6-leaf stage up to emergence of third tiller

Cleavers 1-4 whorls

NOTES: Do not apply this tank mixture more often than once every 2 years. Do not graze the treated crops or cut for hay within 77 days (spring wheat, durum) or 80 days (spring barley) of application. Consult the Accord® DF Herbicide label for rotational cropping restrictions, application instructions, use precautions and other restrictions. Refer to the Accord® DF Herbicide and Puma* 120 Super labels for additional information on appropriate weed staging at application. Thorough coverage of foliage is important for consistent weed control.

SPRING WHEAT (EXCLUDING DURUM) AND SPRING BARLEY

REFINE EXTRA® HERBICIDE TOSS-N-GO® BAGS+ ATTAIN™ HERBICIDE TANK MIX		
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.		
CROP (S): spring wheat (excluding durum) and spring barley only, not underseeded to legumes		
TIMING: Post-emergent application from the 4-leaf to flag-leaf stage of spring wheat or spring barley and seedling stage to 4-leaf/whorls of weed.		
TANK MIX COMPONENTS AND APPLICATION RATES		
REFINE EXTRA® HERBICIDE TOSS-N-GO® BAGS	20 grams/hectare	
Attain* Herbicide Tank Mix	ATTAIN* A (fluroxypur)	Attain* A - 0.30 L/ha
	ATTAIN* B (2,4-D Ester)	Attain* B - 0.50 L/ha
Adjuvants: AGRAL® 90, AG-SURF® or CITOWETT® PLUS	2L/1000 litres of spray solution	
MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags, then Attain* A then Attain* B then surfactant. Refer to MIXING DIRECTIONS section for general instructions. Use a spray volume of 100 L/ha.		
WEEDS CONTROLLED		
Broadleaf weeds controlled or suppressed by Refine Extra® Herbicide Toss-N-Go® Bags alone, as well as cleavers (excluding Group 2 resistant cleavers).		
NOTES: Do not permit lactating dairy animals to graze fields within 7 days after application. Do not harvest forage or cut hay within 30 days after application. Withdraw meat animals from treated fields at least 3 days prior to slaughter. Do not harvest the treated mature crop within 60 days after application. Consult the Attain® Herbicide Tank Mix labels for additional application instructions and use precautions.		

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

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags + CURTAIL* M	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP (S): spring wheat (excluding durum) and spring barley only	
TIMING: Post-emergent application from the full 3-leaf growth stage of spring wheat or spring barley.	
TANK MIX COMPONENTS AND APPLICATION RATES	
REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
CURTAIL* M	1.5 litres/hectare
Adjuvants: AGRAL* 90, AG-SURF* or CITOWETT* PLUS	2 litres/1000 litres of spray solution
MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags, then Curtail* M, while maintaining agitation, then adjuvant, to the tank. Antifoaming agent may be required. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
Broadleaf weeds controlled or suppressed by Refine Extra® Herbicide Toss-N-Go® Bags alone, as well as Canada thistle ¹ and wild buckwheat ² .	
Notes	
¹ Apply when the majority of thistles have emerged and are actively growing. For best control, apply before bud stage when thistles are no larger than 15 cm in height and before crop canopy prevents thorough coverage of thistles. Later emerging thistles will not be controlled.	
² Apply to actively growing wild buckwheat in the cotyledon to 5-leaf stage. Under environmental stress, such as dry weather, control may be reduced. Large plants may re-grow after treatment.	
NOTES: Consult the Curtail* M label for additional application instructions and use precautions.	

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

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags + LONTREL* 360 + 2,4-D ESTER or MCPA ESTER	
LOCATION: Western Canada only.	
CROP (S): spring wheat (excluding durum) and spring barley only	
TIMING: Post-emergent application from full 3-leaf to just before flag leaf (shot blade) Growth stage of crop.	
TANK MIX COMPONENTS AND APPLICATION RATES	
REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
LONTREL* 360	0.21 litres/hectare
Choose one of the following:	
1) MCPA Ester (500 g/L)	0.84 litres/hectare
2) 2,4-D Ester (600 g/L)	0.7 litres/hectare
Adjuvants: AGRAL* 90, AG-SURF* or CITOWETT* PLUS	2 litres/1000 litres of spray solution
MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags first in fresh water, then Lontrel* 360 then 2,4-D Ester or MCPA Ester then adjuvant. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
All other weeds controlled by Refine Extra® Herbicide Toss-N-Go® Bags alone, as well as Canada thistle ¹ , lady's thumb, perennial sow thistle, stinkweed, volunteer canola, wild buckwheat and wild mustard.	
Notes	
¹ Provides seasonal control of Canada thistle.	

WEEDS SUPPRESSED

All other weeds suppressed by Refine Extra® Herbicide Toss-N-Go® Bags alone, as well as cleavers.

NOTES: Consult the Lontrel* and MCPA Ester or 2,4-D Ester labels for additional application instructions, use Precautions and other label restrictions.

SPRING WHEAT (INCLUDING DURUM)

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

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags + MCPA ESTER 500 + HORIZON® 240 EC	
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.	
CROP (S): spring wheat (including durum) only	
TIMING: Post-emergent application from 3-leaf to flag leaf growth stage of the crop. Apply to actively growing wild oats from the 1 to 6-leaf stage, prior to emergence of the 4 th tiller and to green foxtail from the 1 to 5-leaf stage, prior to emergence of the 3 rd tiller.	
TANK MIX COMPONENTS AND APPLICATION RATES	
REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
MCPA ESTER 500	0.84-1.1 litres/hectare or 0.56 litres/hectare
HORIZON® 240 EC	230 mL/hectare
Adjuvant: SCORE® only	8 litres/1000 litres of spray solution (0.8% v/v)
MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags then Horizon® 240 EC then MCPA Ester 500 then Score® adjuvant. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions.	

WEEDS CONTROLLED

Green foxtail¹

Wild oats

PLUS broadleaf weeds controlled or suppressed by REFINE EXTRA® Herbicide Toss-N-Go® Bags and broadleaf weeds controlled by MCPA Ester 500 at 0.84-1.1 L per hectare or volunteer imazamox and imazethapyr tolerant canola (e.g. Clearfield* canola) (2-4 leaf stage) when MCPA is applied at 0.56 L per hectare.

Notes

¹ A reduction in control of green foxtail may be observed with the tankmix of Refine Extra® Herbicide Toss-N-Go® Bags + MCPA Ester 500 + Horizon* 240 EC.

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

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags + ACCORD DF HERBICIDE + HORIZON* 240 EC

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

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

TIMING: Make application from 2 to 5-leaf leaf growth stage of the crop. Apply to actively growing wild oats from the 1 to 6-leaf stage, prior to emergence of the 4th tiller and to green foxtail from the 1 to 5-leaf stage, prior to emergence of the 3rd tiller. Thorough coverage of foliage is important for consistent weed control.

TANK MIX COMPONENTS AND APPLICATION RATES

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
ACCORD DF Herbicide	67 grams/hectare
HORIZON* 240 EC	230 mL/hectare
Adjuvant: SCORE* only	8 litres/1000 litres of spray solution (0.8% v/v)

MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags then Accord DF Herbicide then Horizon* 240 EC then Score* adjuvant. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions.

WEEDS CONTROLLED

Broadleaf weeds controlled or suppressed by Refine Extra® Herbicide Toss-N-Go® Bags, wild oats, green foxtail and cleavers (1-4 whorl).

NOTES: Prior to use, consult the Accord* DF Herbicide label for additional rotational cropping restrictions, application instructions, use precautions, and other restrictions. Do not graze treated crops or cut for hay within 77 days of application.

SPRING WHEAT (EXCLUDING DURUM)

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags + ACCORD* DF HERBICIDE + AVENGE* 200-C

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

CROP (S): spring wheat (excluding durum) only **NOT UNDERSEED TO FORAGES**

TIMING: Post-emergent application from 2 to 5-leaf growth stage of the crop.

TANK MIX COMPONENTS AND APPLICATION RATES	
REFINE EXTRA® HERBICIDE Toss-N-Go® Bags	20 grams/hectare
ACCORD* DF Herbicide	135 grams/hectare for most weeds listed below 165 grams/hectare for green foxtail
AVENGE* 200-C	3.5 litres/hectare
Adjuvant: MERGE* only	10 litres/1000 litres of spray solution (1.0% v/v)
MIXING: Mixing order is Refine Extra® Herbicide Toss-N-Go® Bags, then Accord* DF Herbicide then Avenge* 200-C while maintaining agitation, then MERGE* adjuvant. DO NOT USE ADDITIONAL NON-IONIC SURFACTANT. Refer to MIXING DIRECTIONS section for general instructions.	
WEEDS CONTROLLED	
Weeds controlled or suppressed by Refine Extra® Herbicide Toss-N-Go® Bags alone and the Refine Extra® Herbicide Toss-N-Go® Bags + Accord* DF Herbicide tank mix, as well as wild oats at populations between 1 and 200 plants per square meter.	
NOTES: Do not apply this tank mixture more often than once every 2 years. Do not graze treated crops or cut for hay within 77 days of application. Consult the Accord* DF Herbicide label for rotational cropping restrictions, application instructions, use precautions and other restrictions. Refer to the Accord* DF Herbicide and Avenge* 200-C labels for additional information on appropriate weed staging and populations at application. Thorough coverage of foliage is important for consistent weed control.	
Avenge* 200-C can cause some crop injury. Always refer to the Accord* DF Herbicide and Avenge* 200-C labels for additional application instructions, use precautions and restrictions.	

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

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags + 2,4-D AMINE or ESTER + EVEREST* SOLUPAK* 70 DF or EVEREST* 70 DF
LOCATION: For use in the prairie provinces and Peace River Region of British Columbia only.

CROP (S): spring wheat (excluding durum) only NOT UNDERSEED TO LEGUMES							
TIMING: Post-emergent application from 1 to 6-leafs (1 to 4 leaves on main stem, plus 2 Tillers) growth stage of the crop. For wild oats and green foxtail, apply from 1 to 6-leafs (1 to 4 leaves on main stem, plus 2 tillers)							
TANK MIX COMPONENTS AND APPLICATION RATES							
Component 1		Component 2		Component 3		Component 4	
Refine Extra® Herbicide Toss-N-Go® Bags	20 g/ha	Everest 70 DF	43 g/ha			Agral * 90 or Agsurf*	0.25% v/v
Refine Extra® Herbicide Toss-N-Go® Bags	20 g/ha	Everest 70 DF or Everest Solupak 70 DF	43 g/ha	2,4-D Amine or Ester	Up to 560 g ae/ha	Agral * 90 or Agsurf*	0.25% v/v
MIXING: Mixing order is Everest* Solupak 70 DF or Everest* 70 DF then Refine Extra® Herbicide Toss-N-Go® Bags then 2,4-D Amine or Ester then adjuvant. Refer to MIXING DIRECTIONS section for general instructions.							
WEEDS CONTROLLED							
Broadleaf weeds controlled or suppressed by Refine Extra® Herbicide Toss-N-Go® Bags alone, as well as green foxtail and wild oats.							
NOTES: Observe minimum interval to harvest of 80 days after treatment. For black, dark brown and gray-wooded soil zones only, field peas may be grown the year following Everest* Solupak* application in fields where precipitation has been normal or above normal (10 year average) during the growing season, and where organic matter content is above 4% and pH below 7.5. Re-crop spring wheat only in brown soil zone. Consult the 2,4-D Amine or Ester and Everest* Solupak* 70 DF or Everest* 70 DF labels for additional information on rotational cropping restrictions, application instructions, use precautions and other restrictions.							

MINOR USES:

SEEDLING AND ESTABLISHED GRASS SPECIES FOR FORAGE AND SEED PRODUCTION

NOTE TO BUYER/USER: READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR SPECIAL USE APPLICATIONS:

The DIRECTIONS FOR USE for this product for the use described below were developed by persons other than FMC and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. FMC itself makes no representation or warranty with respect to product performance (efficacy) and crop tolerance (phytotoxicity) of this product when used on the crops listed. Accordingly, the Buyer and User assume all liability arising, and agree to hold FMC harmless from any claims based on efficacy or phytotoxicity in connection with this use.

SEEDLING AND ESTABLISHED GRASS SPECIES FOR FORAGE AND SEED PRODUCTION

For broadleaf weed control, apply 20 grams of REFINE EXTRA® HERBICIDE Toss-N-Go® Bags per hectare with AGRAL® 90, AG-SURF® or CITOWETT® PLUS at 2.0 litres per 1,000 litres of spray solution. (See "Mixing Instructions" section of the label).

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

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

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

Kentucky Bluegrass

REFINE EXTRA® HERBICIDE Toss-N-Go® Bags will control the broadleaf weeds listed on the label for REFINE EXTRA® HERBICIDE Toss-N-Go® Bags alone. For best results apply to emerged, young, actively-growing weeds that are less than 10 cm tall or across. Thorough coverage of target weeds is essential.

Apply with ground equipment only. Make only one application per growing season. The above grasses may not be grazed by or fed to livestock within 7 days of application. Please refer to the appropriate sections of this label for additional use precautions, application and/or mixing instructions.

FALL APPLICATION ON WINTER WHEAT IN ONTARIO ONLY

For the control of the weeds listed on the REFINE EXTRA® HERBICIDE Toss-N-Go® Bags alone, apply 20 grams (15 g a.i./ha) of REFINE EXTRA® HERBICIDE Toss-N-Go® Bags per hectare with with a registered surfactant.(See "Mixing Instructions" section of the label).

Apply in the fall with ground equipment as a post-emergent spray after the 2-leaf stage of wheat but before killing frost. For best results, apply to actively growing weeds that are less than 10 cm in height or diameter. Thorough coverage of the weeds is essential.

Do not apply REFINE EXTRA® HERBICIDE Toss-N-Go® Bags in the spring after a fall application.

Wheat may not be grazed or fed to livestock within 7 days of application.

Please refer to the appropriate sections of this label for additional use precautions, application and/or mixing instructions.

MIXING INFORMATION:

MIXING PRECAUTIONS:

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

Use the spray preparation of REFINE EXTRA® HERBICIDE Toss-N-Go® Bags within 24 hours or product degradation may occur. Use spray preparation containing ASSERT® 300 Herbicide within 12 hours or product degradation may occur. If spray solution is left standing without agitation, thoroughly agitate and re-suspend any settled REFINE EXTRA® HERBICIDE Toss-N-Go® Bags before resuming the spraying operation.

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

MIXING DIRECTIONS:

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

1. Fill the spray tank 1/4 to 1/3 full with fresh water.
2. Add the recommended number of REFINE EXTRA® HERBICIDE Toss-N-Go® bags to the spray tank while the agitator is running. Continuous agitation is recommended through the entire mixing procedure to ensure products are completely dissolved and/or in suspension.
3. After REFINE EXTRA® HERBICIDE Toss-N-Go® bags have fully dissolved and Refine Extra® Herbicide Toss-N-Go® Bags is in suspension, other tank mix components may be added while continuing to fill the tank with water. The proper sequence for tank mix components is:
 - a. dry formulations
 - b. emulsifiable concentrates
 - c. adjuvants (a recommended adjuvant must be added to improve wetting and contact activity)
 - d. If a drift control agent is to be tank mixed, it is to be added last.
4. Refer to specific tank mixes in the DIRECTIONS FOR USE section of this label for mixing order and other mixing instructions.

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

EQUIPMENT CLEANING INFORMATION:

CLEANING PRECAUTIONS:

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

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

CLEANING INSTRUCTIONS:

To avoid subsequent injury to crops other than wheat, spring barley or oats, immediately after spraying and prior to spraying other crops, thoroughly remove all traces of Refine Extra® Herbicide Toss-N-Go® Bags from mixing and spray equipment as follows:

1. Drain tank and flush tank, boom and hoses with clean water for a minimum of ten minutes.
2. Visually inspect tank to ensure removal of all visible residues of REFINE EXTRA® HERBICIDE Toss-N-Go® Bags. If necessary, repeat Step 1.
3. Fill the tank with clean water, and then add 1 litre household AMMONIA (containing minimum of 3% ammonia) per 100 litres of water.
4. Flush solution through boom and hoses, and then add more water to completely fill tank. Allow to sit for 15 minutes with agitation.
5. Again flush the hoses, boom and nozzles with the cleaning solution and drain tank.
6. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
7. Repeat Steps 3-5.
8. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing water through the hoses and boom.

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, REFINE EXTRA® HERBICIDE Toss-N-Go® Bags is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to REFINE EXTRA® HERBICIDE Toss-N-Go® Bags and other Group 2 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- ◆ Where possible, rotate the use of REFINE EXTRA® HERBICIDE Toss-N-Go® Bags or other Group 2 herbicides with different herbicide groups that control the same weeds in a field.
- ◆ Use tank mixtures with herbicides from a different group when such use is permitted
- ◆ 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 FMC representative or the FMC hotline at 1-833-362-7722.

STORAGE

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

DISPOSAL:

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

NOTICE TO USER:

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

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

REGISTERED TRADEMARKS:

Refine Extra and Toss-N-Go are Registered trademarks/trademarks of FMC Corporation or an affiliate.

* All other products mentioned are trademarks of their respective companies.

WATER SOLUBLE BAG LABEL

REFINE EXTRA® HERBICIDE TOSS-N-GO® BAG

KEEP OUT OF REACH OF CHILDREN

CAUTION: SEE DIRECTIONS FOR USE FOLDER
FOR COMPLETE PRECAUTIONARY STATEMENTS
WARNING: EYE AND SKIN IRRITANT

ACTIVE INGREDIENT: Thifensulfuron methyl 50%
Tribenuron methyl 25%

Warning, contains the allergen milk and sulfites

DRY FLOWABLE

NET CONTENTS: 80 GRAMS

THIS BAG TREATS 4 HECTARES (10 ACRES)