

2007-0226 21-APR-2009

04-MAY-2009 2009-1414 Notification : Change in package size and minor label amendment

GROUP	2	HERBICIDE
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# ACCURATE<sup>®</sup> HERBICIDE

60% DRY FLOWABLE SOLID

FOR SALE FOR POSTEMERGENCE USE ON WHEAT (SPRING AND DURUM),  
BARLEY AND ESTABLISHED CREEPING RED FESCUE, ORCHARD GRASS,  
CRESTED AND INTERMEDIATE WHEAT GRASS (SEED OR FORAGE) (SOIL PH 7.9  
OR LOWER) AND FOR CONTROL OF WESTERN SNOWBERRY AND WILD ROSE IN  
PASTURE AND RANGELAND IN THE PRAIRIE PROVINCES AND THE PEACE RIVER  
REGION OF BRITISH COLUMBIA ONLY

AGRICULTURAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

**GUARANTEE:** Metsulfuron Methyl.....60%

**Warning: contains the allergens milk and sulfites**

REGISTRATION NUMBER 29242 PEST CONTROL PRODUCTS ACT

### EMERGENCY TELEPHONE NUMBER

IN CASE OF A MEDICAL EMERGENCY INVOLVING THIS PRODUCT, CALL TOLL  
FREE, DAY OR NIGHT, 1-866-303-6950.

NET CONTENTS: 30g to bulk

Cheminova Canada, Inc. Unit No. C2  
22499 Jefferies Rd.  
Kilworth, Ontario  
N0L 1R0  
Canada  
~~(519) 472-0600~~

1-888-316-6260

Notification Change

**PRECAUTIONS:**

- **KEEP OUT OF REACH OF CHILDREN**
- Avoid breathing spray mist.
- Avoid contact with skin, eyes and clothing.
- Do not contaminate any body of water.
- Wear long-sleeved shirt, long pants, socks and shoes, chemical-resistant gloves during mixing and loading, clean-up and repair activities. Wear long-sleeved shirt and long pants, socks and shoes when applying.
- Do not re-enter treated fields before 12 hours after application.

NOTE: 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).

**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 further treatment advice.

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

For medical emergencies call 1-866-303-6950 (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 cleanup of spills.

**NOTICE TO USER:**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with

the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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

ACCURATE is a registered trademark of Cheminova A/S

®/TM Registered trademarks/trademark of E.I. du Pont Company. E.I. du Pont Canada Company is a licensee.

All other products mentioned are trademarks of their respective companies.

2-20-09

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**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

**IMPORTANT**

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, 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 other crops.

APPLY ACCURATE HERBICIDE WITH RECOMMENDED SURFACTANT.

DO NOT APPLY BY AIR.

Carefully observe sprayer clean-up instructions, as spray tank residue may damage crops other than wheat, barley or creeping red fescue.

PRIOR TO USE REFER TO "MINIMUM CROP ROTATION GUIDELINES" SECTION OF LABEL.

## GENERAL INFORMATION

ACCURATE Herbicide is recommended for postemergence use on wheat (spring and durum), barley and established creeping red fescue, orchard grass, crested and intermediate wheat grass (seed or forage) in the Prairie Provinces and the Peace River Region of British Columbia (soil pH of 7.9 or lower). In addition, ACCURATE Herbicide is recommended for use on pasture and rangeland in the same geographic region (no soil pH restriction).

ACCURATE Herbicide is to be mixed in water with a recommended surfactant and applied as a uniform broadcast spray. Use for selective control or suppression of certain broadleaf weeds in spring wheat (including durum), barley and established creeping red fescue (seed or forage) and for control of Western Snowberry and Wild Rose in pasture and rangeland. ACCURATE Herbicide is non-corrosive, non-flammable, non-volatile and does not freeze. Wheat, barley or creeping red fescue may be grazed by or fed to livestock anytime after treatment.

ACCURATE Herbicide is a 60% active ingredient herbicide formulation as a dry flowable dispersible granule.

Prior to using ACCURATE Herbicide, careful consideration should be given to crop rotation plans. Crops other than those listed in the "Minimum Crop Rotation Guidelines" section can be very sensitive to low concentrations of ACCURATE Herbicide in the soil. Refer to the "Minimum Crop Rotation Guidelines" section of this label to plan your ACCURATE Herbicide use and crop rotations.

Rainfall, soil temperature and soil pH are important factors affecting ACCURATE Herbicide breakdown in the soil. ACCURATE Herbicide breakdown is more rapid under conditions of moist soil, warm soil temperatures and low soil pH. The breakdown process is slower under conditions of dry soil, cool soil temperatures and high soil pH.

ACCURATE Herbicide must be applied with a recommended surfactant early postemergence to the main flush of actively growing broadleaf weeds. For pasture and rangeland applications, ACCURATE Herbicide should be applied between mid-June and mid-August after the target species have leafed out, but before fall colouration begins. Cattle may graze the treated areas on the day of treatment.

Warm, moist growing conditions promote active weed growth and enhance the activity of ACCURATE Herbicide by allowing maximum foliar uptake and contact activity. If cold, dry conditions prevail, delay treatment until active weed growth resumes. Weeds hardened off by cold weather or drought stress may not be adequately controlled or suppressed and re-growth may occur. ACCURATE Herbicide may only be applied with ground spray equipment. For best results, ensure good spray coverage of target weeds.

ACCURATE Herbicide rapidly inhibits the growth of susceptible weeds, 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 depend on weed sensitivity, weed size, growing conditions, soil pH and spray coverage.

**SURFACTANTS FOR USE WITH ACCURATE Herbicide:**

Ag-surf<sup>®</sup>, Agral<sup>®</sup> 90, Citowett<sup>®</sup> Plus, Companion<sup>®</sup>, and Super Spreader Sticker<sup>®</sup> are registered for use with ACCURATE Herbicide, ACCURATE Herbicide + 2,4-D, and ACCURATE Herbicide + MCPA. Not all tank mixes require the use of an adjuvant. Use the surfactant at the rate of 2 L per 1000 L spray solution (0.2% v/v). See section on MIXING INSTRUCTIONS.

**CROP LEAF STAGING: WHEAT, BARLEY AND CREEPING RED FESCUE**

Apply ACCURATE Herbicide or ACCURATE Herbicide tank mixtures to wheat, barley, or creeping red fescue when the crop is between the stages listed in the table below.

Post-Emergent Treatment	Crop Leaf Staging	Crop
ACCURATE Herbicide	2 leaf to flag leaf (shot blade)	Wheat, barley, Creeping red fescue
ACCURATE Herbicide + 2,4-D (amine or ester)	Full 3 leaf to just before flag leaf	Wheat, barley
ACCURATE Herbicide + MCPA (amine or ester)	Full 3 leaf to just before flag leaf	Wheat, barley
ACCURATE Herbicide + Avenge <sup>®</sup>	2 leaf to 6 leaf (shot blade)	Wheat, barley
ACCURATE Herbicide + Avenge <sup>®</sup> + MCPA (ester)	3 leaf to 6 leaf (shot blade)	Wheat, barley
ACCURATE Herbicide + PUMA <sup>®</sup> 120 SUPER	1 leaf to 6 leaf + 3 tillers	Spring and durum wheat
ACCURATE Herbicide + Horizon <sup>®</sup> Herbicide Tank Mix	2 leaf to flag leaf	Spring wheat only

**HOW TO APPLY TO WHEAT (SPRING OR DURUM), BARLEY OR ESTABLISHED CREEPING RED FESCUE (SEED OR FORAGE)**

Apply ACCURATE Herbicide or ACCURATE Herbicide tank mixtures to the first main flush of actively growing weeds, when the crop is in the leaf stage specified in the section CROP STAGE. Apply before the crop canopy is dense enough to prevent thorough coverage of the weeds. Apply with ground equipment only. Make only one application per growing season. For further information on control of Canada thistle, sow thistle, Russian thistle, lamb's quarters or wild buckwheat, refer to the section SPECIFIC WEED CONTROL RECOMMENDATIONS.

DO NOT APPLY BY AIR.

**RATES TO APPLY:**

ACCURATE Herbicide 7.5 g/ha (plus surfactant)
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**ACCURATE Herbicide + 2,4-D (use one of the following, plus surfactant):**

ACCURATE Herbicide	5.0 or 7.5 g/ha
<b>Plus</b>	
2,4-D Amine 500	0.84 – 1.1 L/ha
<b>Or</b>	
2,4-D Ester LV 700	0.6 – 0.8 L/ha
<b>Or</b>	

2,4-D Ester LV 600	0.7 – 0.9 L/ha
<b>Or</b>	
2,4-D Acid equivalent	420 – 560 g/ha

Refer to the 2,4-D label for information on crop variety restrictions, precautions, and application information

**ACCURATE Herbicide + MCPA (use one of the following, plus surfactant):**

ACCURATE Herbicide	5.0 or 7.5 g/ha
<b>Plus</b>	
MCPA Amine 500	0.7 – 1.1 L/ha
<b>Or</b>	
MCPA Ester 500	0.7 – 1.1 L/ha

Refer to the MCPA label for information on crop variety restrictions, precautions, and application information.

**ACCURATE Herbicide + AVENGE 200-C OR ACCURATE Herbicide + AVENGE\* 200-C + MCPA Ester (Use one of the following. Do not add surfactant.)**

ACCURATE Herbicide	7.5 g/ha
<b>Plus</b>	
AVENGE* 200-C	4.25 L/ha
<b>Or</b>	
ACCURATE Herbicide	7.5 g/ha
<b>Plus</b>	
AVENGE* 200-C	4.25 L/ha
<b>Plus</b>	
MCPA Ester 500	0.7 – 1.1 L/ha

Refer to the AVENGE\* 200-C and MCPA Ester labels for information on crop variety restrictions, precautions, and application information.

**ACCURATE Herbicide + PUMA\*<sup>120</sup> SUPER (Do not add surfactant):**

ACCURATE Herbicide	5 or 7.5 g/ha
<b>Plus</b>	
PUMA* <sup>120</sup> SUPER Herbicide	0.385 or 0.77 L/ha

Refer to the PUMA\*<sup>120</sup> SUPER label for information on crop variety restrictions, precautions, environmental information and application information.

**ACCURATE Herbicide + HORIZON\* Herbicide Tank Mix:**

ACCURATE Herbicide	7.5 g/ha
<b>Plus</b>	
HORIZON* Herbicide Tank Mix:	
• HORIZON* 240EC	230 or 290 ml/ha
• SCORE* Adjuvant	0.8% or 1.0% v/v

(0.8 L or 1.0 L per 100 L of spray solution)

A non-ionic surfactant is NOT required when ACCURATE Herbicide is tank mixed with HORIZON\* Herbicide Tank Mix.

Refer to the HORIZON\* Herbicide Tank Mix label for additional information on crop variety restrictions, use precautions and application information.

### **WEEDS CONTROLLED OR SUPPRESSED<sup>†</sup>**

<sup>†</sup> 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.

### **ACCURATE Herbicide 7.5 grams/ha + surfactant:**

Ball mustard	Prostrate pigweed
Blue bur	Redroot pigweed
Canada thistle <sup>†</sup>	Russian thistle <sup>†</sup>
Chickweed	Scentless chamomile
Common groundsel	Shepherd's purse
Corn spurry	Sow thistle (annual; perennial) <sup>†</sup>
Cow cockle	Stinkweed
Flixweed	Stork's bill
Green smartweed	Tartary buckwheat
Hemp-nettle	Toadflax <sup>†</sup>
Kochia	Volunteer canola <sup>°</sup>
Lady's thumb	Wild buckwheat <sup>†</sup>
Lamb's-quarters <sup>†</sup>	Wild mustard

<sup>°</sup> Volunteer canola: ACCURATE Herbicide alone will not control imazethapyr tolerant canola varieties, eg. canola varieties with the Pursuit Smart\* trait.

### **ACCURATE Herbicide 5 grams/ha + 2,4-D (amine or ester) + Surfactant:**

Annual sunflower	Prickly lettuce
Ball mustard	Redroot pigweed
Canada thistle <sup>†</sup>	Russian pigweed
Chickweed	Russian thistle
Cow cockle	Shepherd's purse
Flixweed	Sow thistle <sup>†</sup>
Green smartweed	Stinkweed
Hemp-nettle	Sweetclover
Kochia	Toadflax <sup>†</sup>
Lamb's-quarters	Volunteer canola <sup>°</sup>
Narrow-leaved hawksbeard (spring seedlings)	Wild buckwheat <sup>†</sup>
Plantain	Wild mustard
	Wormseed mustard

<sup>°</sup> Including imazethapyr tolerant canola varieties, eg. Canola varieties with the Pursuit\* Smart trait. Consult the 2,4-D label for appropriate use rates.

### **ACCURATE Herbicide 7.5 grams/ha + 2,4-D (amine or ester) + Surfactant:**

All of the weeds controlled or suppressed by ACCURATE Herbicide 5 grams/ha + 2,4-D plus:

Bluebur	Prostrate pigweed
Common groundsel	Scentless chamomile

Corn spurry	Stork's bill
Lady's-thumb	Tartary buckwheat
Toadflax <sup>†</sup>	

**ACCURATE Herbicide 5.0 grams/ha + MCPA (amine or ester) + Surfactant:**

Annual sunflower	Russian pigweed
Ball mustard	Russian thistle
Canada thistle <sup>†</sup>	Shepherd's purse
Chickweed	Sow thistle <sup>†</sup>
Cow cockle	Stinkweed
Flixweed	Sweet clover
Green smartweed	Toadflax <sup>†</sup>
Hemp-nettle	Tumble mustard
Kochia	Volunteer canola <sup>°</sup>
Lamb's-quarters	Wild buckwheat <sup>†</sup>
Plantain	Wild mustard
Prickly lettuce	Wormseed mustard
Redroot pigweed	

<sup>°</sup> Including imazethapyr tolerant canola varieties, eg. canola varieties with the Pursuit\* Smart trait.

Use the highest rate of MCPA (1.1 litre/ha) when volunteer imazethapyr tolerant canola is the target weed.

**ACCURATE Herbicide 7.5 grams/ha + MCPA (amine or ester) + Surfactant:**

All of the weeds controlled or suppressed by ACCURATE Herbicide 5.0 grams/ha + MCPA, plus:

Bluebur  
Common groundsel  
Corn spurry  
Lady's-thumb  
Prostrate pigweed  
Scentless chamomile  
Stork's bill  
Tartary buckwheat  
Toadflax<sup>†</sup>

**ACCURATE Herbicide + AVENGE\* 200-C (No surfactant):**

Broadleaf weeds controlled by ACCURATE Herbicide, plus:

Wild oats

**ACCURATE Herbicide + AVENGE\* 200-C + MCPA ester (No surfactant):**

Broadleaf weeds controlled by ACCURATE Herbicide + MCPA, plus:

Wild oats

**ACCURATE Herbicide + PUMA\*<sup>120</sup> SUPER Herbicide (0.385 L/ha) (No surfactant):**

Broadleaf weeds controlled by ACCURATE Herbicide at 5 or 7.5 grams/ha, plus:

Green foxtail

Refer to PUMA\*<sup>120</sup> SUPER Herbicide label for appropriate weed staging, additional application instructions and environmental use precautions.

**ACCURATE Herbicide + PUMA\*<sup>120</sup> SUPER Herbicide (0.77 L/ha) (No surfactant):**

Broadleaf weeds controlled by ACCURATE Herbicide at 5 or 7.5 grams/ha, plus:

Green foxtail  
Barnyard grass  
Wild oats

Refer to PUMA\*<sup>120</sup> SUPER Herbicide label for appropriate weed staging, additional application instructions, and environmental and use precautions.

**ACCURATE Herbicide + HORIZON\* Herbicide Tank Mix:**

Broadleaf weeds controlled or suppressed by ACCURATE Herbicide alone at 7.5 g/ha, plus control of the following:

Wild oats	230 ml/ha HORIZON* 240 EC + 0.8% v/v SCORE* Adjuvant (0.8 L per 100 L of spray solution)
Wild oats Green foxtail Yellow foxtail	290 ml/ha HORIZON* 240 EC + 1.0% v/v SCORE* Adjuvant (1.0 L per 100 L of spray solution)

Refer to HORIZON\* Herbicide Tank Mix label for the appropriate weed staging at application to control wild oats, green foxtail and yellow foxtail

**SPECIFIC WEED RECOMMENDATIONS:**

Weeds must be actively growing at time of application or control may be reduced. Application should be made before the crop canopy prevents thorough coverage of the weeds.

CANADA THISTLE, SOW THISTLE – Apply when the majority of thistles have emerged. ACCURATE Herbicide + surfactant should be applied before the thistles are more than 15 cm tall. ACCURATE Herbicide + 2,4-D or ACCURATE Herbicide + MCPA + surfactant may be applied up to the bud stage of the thistles. Thistles that emerge after application will not be controlled. A single application will prevent emerged thistles from competing with the crop.

WILD BUCKWHEAT – Apply ACCURATE Herbicide + surfactant at the cotyledon to 3-leaf stage. ACCURATE Herbicide + 2,4-D or ACCURATE Herbicide + MCPA + surfactant should be applied at the 1-3 leaf stage. Under dry conditions, control may be reduced. Large weeds may re-grow after treatment.

LAMB'S-QUARTERS, RUSSIAN THISTLE – Apply ACCURATE Herbicide + surfactant before these weeds are more than 8 cm tall.

**PASTURE AND RANGELAND**

For control of Western Snowberry apply 25 grams of ACCURATE Herbicide per hectare.

For control of Wild Rose apply 30 grams of ACCURATE Herbicide per hectare.

Add a recommended surfactant at 0.2% v/v (2.0 litres per 1000 litres of spray solution).

Apply as a ground application only in 100 – 225 litres spray volume per hectare. Apply as a full coverage spray to foliage and stems using equipment that will assure uniform coverage.

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

The Directions for Use for this product for the uses described below were developed by persons other than Cheminova Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion Program. Cheminova Canada Inc. itself makes no representation of 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 Cheminova Canada Inc. harmless from any claims based on efficacy or phytotoxicity in connection with this use described below:

**FORAGE GRASSES FOR FEEDS OR SEED PRODUCTION:**

For postemergent application to creeping red fescue, orchard grass, crested and intermediate wheat grass. These forage grasses should be established for a minimum of one year before applying ACCURATE Herbicide. Optimum control of narrow-leaved hawk's beard and scentless chamomile is obtained if application is made to small, actively growing weeds.

Apply ACCURATE Herbicide as a broadcast application at 7.5 g/ha post-emergent. Application should be made from the 2 leaf, up to the shot blade stage of the crop, and before canopy closure to permit thorough coverage of actively growing weeds.

Make only one application per growing season. Application should be made using ground equipment only.

Rotation options are determined by soil pH, the crop to be planted and a minimum interval. Refer to the recropping recommendation section as well as other application instructions.

**ESTABLISHED CREEPING RED FESCUE FOR SEED:**

For postemergent broadleaf and grassy weed control, apply one of the following tankmixes:

**ACCURATE Herbicide + ASSURE II Herbicide + Adjuvant:**

ACCURATE Herbicide		7.5 grams/hectare
	<b>plus</b>	
ASSURE <sup>®</sup> II Herbicide		0.5-0.75 litres/hectare
	<b>plus</b>	
SURE-MIX <sup>™</sup>		5 litres per 1000 litres spray solution
	<b>Or</b>	
CANPLUS* 411		5-10 litres per 1000 litres spray solution

These tankmixes will control all label weeds listed on the respective ACCURATE Herbicide and

ASSURE II Herbicide labels.

Apply ACCURATE Herbicide + ASSURE® II Herbicide tank mixtures postemergent to the first main flush of actively growing weeds, when established creeping red fescue is in the 2 leaf to flag leaf (shot blade) stage. Apply before the crop canopy is dense enough to prevent thorough coverage of the weeds.

Apply with ground equipment only. Make only one application per growing season.

Refer to other sections of this label, and to the ASSURE II Herbicide labels for additional application and/or use precautions instructions.

### **MIXING INSTRUCTIONS:**

1. Fill the spray tank 1/4 to 1/3 full with clean water. Prepare mixture volume to apply a minimum of 100 litres spray volume per hectare.
2. With the agitator running, add the required amount of ACCURATE Herbicide.
3. Continue to agitate until ACCURATE Herbicide is completely dispersed.
4. If another herbicide is to be added, do this now.
5. Add the rest of the required water.
6. If required in the mixture, add the surfactant now.
7. On repeat tank loads, draw down the tank contents to less than 10% of the original volume, and repeat from step 1. If more than 10% of the spray volume remains, pre-slurry the ACCURATE Herbicide in a bucket of water before adding to the spray tank.
8. If an antifoam agent is required, add it last.

### **NOTE:**

Continuous agitation is required to keep ACCURATE Herbicide in suspension in the spray tank for a uniform application.

Use spray preparation of ACCURATE Herbicide within 48 hours or product degradation may occur. If spray preparation is left standing without agitation, thoroughly agitate before spraying.

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

### **APPLICATION INSTRUCTIONS:**

Apply the spray mixture with ground equipment only, using a minimum of 100 litres spray volume per hectare. Use a properly calibrated sprayer that will ensure thorough coverage and a uniform spray pattern. Flat fan nozzles are recommended. Use 50-mesh screens or larger.

Continuous agitation is required to keep ACCURATE Herbicide in suspension. Avoid overlapping, and shut off spray booms while starting, turning, slowing or stopping to prevent over-application.

**SPRAY DRIFT MANAGEMENT:**

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

**NOTE:**

Extreme care must be taken to prevent drift to desirable plants or non-target agricultural land.

**SPRAYER CLEANUP:**

Immediately after spraying, thoroughly remove all traces of ACCURATE Herbicide from mixing and spray equipment in order to avoid subsequent injury to sensitive crops (other than wheat or barley or creeping red fescue). Follow these instructions:

1. Drain tank and flush tank, boom and hoses with clean water for a minimum of ten minutes. Visually inspect tank to assure removal of all visible residues of ACCURATE Herbicide. If necessary, repeat step 1. **DO NOT CLEAN SPRAYER NEAR WELL OR WATER SOURCE OR NEAR DESIRABLE VEGETATION.**
2. Fill tank with clean water while adding 1 litre household ammonia (containing a minimum 3% ammonia) per 100 litres of water. Flush solution through boom and hoses, and then add more water to completely fill tank. Allow to sit for 15 minutes with agitation. Again flush the hoses, boom and nozzles with the cleaning solution and drain tank.
3. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
4. Repeat step 2.
5. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing water through the hoses and boom.

**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.

**MINIMUM CROP ROTATION GUIDELINES:**

Rotation options are determined by soil pH, the crop to be planted and a minimum interval. Minimum interval is the time from the last application of ACCURATE Herbicide to date of planting the rotational crop.

<b>BLACK AND GREY WOODED SOILS INTERVAL PRIOR TO PLANTING (MONTHS AFTER APPLICATION)</b>									
<b>Soil pH</b>	<b>SW</b>	<b>DW</b>	<b>BR</b>	<b>OT</b>	<b>RS</b>	<b>FL</b>	<b>LN</b>	<b>CS</b>	<b>YM</b>

<b>6.9 or Lower</b>	10	10	10	10	10	10	34	48	48
<b>7.0 to 7.9</b>	10	10	10	10	22	34	48	48	48

SW = spring wheat; DW = durum wheat; BR = barley; OT = oats; RS = canola; FL = flax; LN = lentils; CS = canary seed; YM = yellow mustard

On black and grey wooded soils of pH 7.5 or lower, FESCUE may be planted in 10 months; ALFALFA, RED CLOVER, PEAS, and FLAX 22 months following application of ACCURATE Herbicide.

Do not use on soils with pH greater than 7.9.

All other crops FIELD BIOASSAY\*

<b>BROWN AND DARK BROWN SOILS INTERVAL PRIOR TO PLANTING (MONTHS AFTER APPLICATION)</b>									
<b>Soil pH</b>	<b>SW</b>	<b>DW</b>	<b>BR</b>	<b>OT</b>	<b>RS</b>	<b>FL</b>	<b>LN</b>	<b>CS</b>	<b>YM</b>
<b>6.9 or Lower</b>	10	10	10	10	22	22	34	48	48
<b>7.0 to 7.9</b>	10	10	10	22	34	34	48	48	48

SW = spring wheat; DW = durum wheat; BR = barley; OT = oats; RS = canola; FL = flax; LN = lentils; CS = canary seed; YM = yellow mustard

Do not use on soils with pH greater than 7.9.

All other crops "FIELD BIOASSAY" section

**IMPORTANT:**

Land previously treated with ACCURATE Herbicide cannot be rotated to crops other than those listed until a FIELD BIOASSAY confirms that residues of ACCURATE Herbicide are not present. A FIELD BIOASSAY involves growing test strips of the crop(s) intended for production the following year in fields previously treated with ACCURATE Herbicide. Crop response will indicate whether or not to rotate to the crop(s) used in the test strip. See "Field Bioassay" section. A successful bioassay would be anticipated in the 3<sup>rd</sup> or 4<sup>th</sup> season after application (soil pH 7.0 – 7.9) dependent on the rotational crop selected. Failure to follow these instructions could result in injury to subsequent crops.

**NOTE:**

Wherever ACCURATE Herbicide is used on land previously treated with DuPont GLEAN<sup>®</sup> Herbicide, read the rotational guidelines on both labels and follow the one with the longest interval stated for your situation.

**NOTE:**

When considering interval prior to recropping broadleaf crops after an ACCURATE Herbicide application, extend the rotational interval one year if rainfall was less than 130 mm in the Brown & Dark brown Soil Zones or 250 mm in the Black and Grey Wooded Soil Zones in any year within a stated interval prior to planting.

### **FIELD BIOASSAY:**

Select a representative area or areas of the field previously treated with ACCURATE Herbicide to plant your bioassay crop(s). Be sure to consider factors such as size of field, soil texture, drainage and turn-around areas when selecting the site(s) that are most representative of the soil conditions in the field. On large fields, more than one site may be needed in order to obtain reliable results.


Plant the test strips perpendicular to the direction in which the field was sprayed. The strips should be long enough to cross the width of several spray swaths. Large test strip areas are more reliable than small ones.

Use standard tillage and seeding equipment to plant the bioassay.

Prepare a seed bed and plant the crops and varieties you want the option of growing the following year. It is important to use the same planting time, conditions, techniques and cultural practices you normally use to plant and grow the bioassay crop(s). Also plant into an adjacent area not treated with ACCURATE Herbicide to use as a comparison.

As the crop(s) emerges and grows, examine these key points in ACCURATE Herbicide treated and non-treated areas:

crop stand	root development	rate of growth
plant colour and vigour	yield	



Allow the bioassay crop(s) to grow to maturity while making your observations.

Do not overspray the test strips with herbicides that may damage the bioassay crop(s).

If the bioassay indicates that ACCURATE Herbicide residues are still present, continue cropping only to those crops listed on the label, and do not rotate to other crops until bioassay results indicate that susceptible crops are growing normally.

### **RESISTANCE-MANAGEMENT RECOMMENDATIONS:**

For resistance management, ACCURATE Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to ACCURATE Herbicide 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 ACCURATE Herbicide or other Group 2 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from different groups 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 Cheminova at 1-888-316-6260 for further information.

#### **USE PRECAUTIONS:**

- Do not use on soils above pH 7.9.
- Do not use on highly variable soils that have large gravelly or sandy areas, eroded knolls, or calcium deposits.
- Do not use more than 7.5 grams per hectare per year.
- Do not apply to irrigated land where tail water will be used to irrigate other crop land.

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

- Do not contaminate irrigation water.
- Do not apply within 15 meters of a body of water.
- Do not apply to frozen ground where surface runoff may occur.

Because crop varieties differ in their tolerance to herbicides, limit first use of ACCURATE Herbicide to a small area of each variety prior to adoption as a field practice.

Do not apply ACCURATE Herbicide to a crop that is stressed by severe weather conditions, drought, low fertility, water saturated soil, disease or insect damage as crop injury may result. Drought, disease or insect damage following application also may result in crop injury.

Under certain conditions (such as heavy rainfall, prolonged cool weather, frost conditions, wide fluctuations in day/night temperatures) temporary lightening in crop colour and occasionally a slight reduction in crop height may occur.

Do not apply to a crop 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.

The additive effect of soil residues from the use of ACCURATE Herbicide and Assert\* Herbicide on the same land has not been determined. Crop rotation guidelines and minimum rotation intervals are not known and injury to rotational crops other than wheat (excluding durum) may occur. Wherever land will be treated with ACCURATE Herbicide and has been or will be treated with Assert\* Herbicide, plant only wheat (excluding durum) after both herbicides have been used, until a bioassay (see "Bioassay" section of the ACCURATE Herbicide label) demonstrates that other crops can be successfully grown.

#### **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 cleanup of spills.

**NOTICE TO USER:**

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

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

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