

2024-5814

2024-12-20

**\*Container Label\***

GROUP	<b>2</b>	HERBICIDE
-------	----------	-----------

# MET PRO II HERBICIDE

COMMERCIAL (AGRICULTURAL)

60% WATER DISPERSABLE GRANULES

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), FOR CONTROL OF WESTERN SNOWBERRY AND WILD ROSE IN PASTURE AND RANGELAND, AND AS A SUMMER FALLOW AND A PRESEEDING HERBICIDE ON FIELDS TO BE PLANTED TO WHEAT (SPRING AND DURUM) AND BARLEY (TANK MIX ONLY) IN THE PRAIRIE PROVINCES AND THE PEACE RIVER REGION OF BRITISH COLUMBIA ONLY

**ACTIVE INGREDIENT:** Metsulfuron-methyl..... 60%

**Warning: contains the allergen sulfites**

**REGISTRATION NO.** 35382 PEST CONTROL PRODUCTS ACT

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

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**



**POISON**

**CAUTION - EYE IRRITANT**

**NET CONTENTS:** 30 g to bulk

**For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 1-800-424-9300 / +1 703-527-3887**

**NewAgco, Inc.**  
 320-22<sup>nd</sup> Street East  
 Saskatoon, Saskatchewan  
 Canada S7K 0H1  
 1-844-269-3276

Distributed by:  
**AgraCity Crop & Nutrition Ltd.**  
 320-22<sup>nd</sup> Street East  
 Saskatoon, Saskatchewan  
 Canada S7K 0H1  
 1-844-269-3276

**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.

**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.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

**ENVIRONMENTAL PRECAUTIONS:**

TOXIC to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

**Runoff:**

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 when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

**Leaching:**

The use of this chemical may result in contamination of groundwater, particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

**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/territorial requirements.

For information on the disposal of unused, unwanted product contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial 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.

\*Booklet Label\*

GROUP

2

HERBICIDE

# MET PRO II HERBICIDE

COMMERCIAL (AGRICULTURAL)

60% WATER DISPERSABLE GRANULES

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), FOR CONTROL OF WESTERN SNOWBERRY AND WILD ROSE IN PASTURE AND RANGELAND, AND AS A SUMMER FALLOW AND A PRESEEDING HERBICIDE ON FIELDS TO BE PLANTED TO WHEAT (SPRING AND DURUM) AND BARLEY (TANK MIX ONLY) IN THE PRAIRIE PROVINCES AND THE PEACE RIVER REGION OF BRITISH COLUMBIA ONLY

**ACTIVE INGREDIENT:** Metsulfuron-methyl..... 60%

**Warning: contains the allergen sulfites**

**REGISTRATION NO.** 35382 PEST CONTROL PRODUCTS ACT

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

**KEEP OUT OF REACH OF CHILDREN**

CAUTION



POISON

**CAUTION - EYE IRRITANT**

**NET CONTENTS:** 30 g to bulk

**For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC 1-800-424-9300 / +1 703-527-3887**

**NewAgco, Inc.**  
320-22<sup>nd</sup> Street East  
Saskatoon, Saskatchewan  
Canada S7K 0H1  
1-844-269-3276

Distributed by:  
**AgraCity Crop & Nutrition Ltd.**  
320-22<sup>nd</sup> Street East  
Saskatoon, Saskatchewan  
Canada S7K 0H1  
1-844-269-3276

**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.

**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.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically.

**ENVIRONMENTAL PRECAUTIONS:**

TOXIC to aquatic organisms and non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

**Runoff:**

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 when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.

**Leaching:**

The use of this chemical may result in contamination of groundwater, particularly in areas where soils are permeable (e.g. sandy soil) and/or the depth to the water table is shallow.

**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/territorial requirements.

For information on the disposal of unused, unwanted product contact the manufacturer or the provincial/territorial regulatory agency. Contact the manufacturer and the provincial/territorial regulatory agency in case of a spill and for cleanup of spills.

## **DIRECTIONS FOR USE:**

### **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.

### **TANK MIXES**

This product may be tank mixed with (a fertilizer, a supplement, or with registered pest control products, whose labels also allow tank mixing, provided the entirety of both labels, including Directions For Use, Precautions, Restrictions, Environmental Precautions, and Spray Buffer Zones are followed for each product. In cases where these requirements differ between the tank mix partner labels, the most restrictive label must be followed. Do not tank mix products containing the same active ingredient unless specifically listed on this label.

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact AgraCity Crop & Nutrition Ltd. at 1-844-269-3276 for information before applying any tank mix that is not specifically recommended on this label.

APPLY **MET PRO II 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**

**MET PRO II 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, **MET PRO II HERBICIDE** is recommended for use on pasture and rangeland in the same geographic region (no soil pH restriction).

**MET PRO II 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. **MET PRO II 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 any time after treatment.

**MET PRO II HERBICIDE** is a 60% active ingredient herbicide formulated as water dispersible granules.

Prior to using **MET PRO II 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 **MET PRO II HERBICIDE** in the soil. Refer to the "Minimum Crop Rotation Guidelines" section of this label to plan your **MET PRO II HERBICIDE** use and crop rotations.

Rainfall, soil temperature and soil pH are important factors affecting **MET PRO II HERBICIDE** breakdown in the soil. **MET PRO II 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.

**MET PRO II HERBICIDE** must be applied with a recommended surfactant early postemergence to the main flush of actively growing broadleaf weeds. For pasture and rangeland applications, **MET PRO II 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 **MET PRO II 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. **MET PRO II HERBICIDE** may only be applied with ground spray equipment. For best results, ensure good spray coverage of target weeds.

**MET PRO II 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 MET PRO II HERBICIDE:**

Ag-surf®, Agral® 90, Citowett® Plus, Companion®, Super Spreader Sticker® and Liberate are registered for use with **MET PRO II HERBICIDE**, **MET PRO II HERBICIDE + 2,4-D**, and **MET PRO II 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 **MET PRO II HERBICIDE** or **MET PRO II 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
<b>MET PRO II HERBICIDE</b>	2 leaf to flag leaf (shot blade)	Wheat, barley, Creeping red fescue
<b>MET PRO II HERBICIDE + 2,4-D</b> (amine or ester)	Full 3 leaf to just before flag leaf	Wheat, barley
<b>MET PRO II HERBICIDE + MCPA</b> (amine or ester)	Full 3 leaf to just before flag leaf	Wheat, barley
<b>MET PRO II HERBICIDE + HELLCAT® HERBICIDE</b>	1 leaf to 6 leaf + 3 tillers	Spring and durum wheat
<b>MET PRO II HERBICIDE + AURORA® HERBICIDE</b>	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 **MET PRO II HERBICIDE** or **MET PRO II 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:**

<b>MET PRO II HERBICIDE</b> 7.5 g/ha (plus surfactant)
--

**MET PRO II HERBICIDE + 2,4-D (use one of the following, plus surfactant):**

<b>MET PRO II HERBICIDE</b>	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

**MET PRO II HERBICIDE + MCPA (use one of the following, plus surfactant):**

<b>MET PRO II HERBICIDE</b>	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.

**MET PRO II HERBICIDE + HELLCAT HERBICIDE (Do not add surfactant):**

<b>MET PRO II HERBICIDE</b>	5 or 7.5 g/ha
<b>Plus</b>	
HELLCAT HERBICIDE	0.385 or 0.77 L/ha

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

**MET PRO II HERBICIDE + AURORA \* Herbicide Tank Mix:**

<b>MET PRO II HERBICIDE</b>	7.5 g/ha
<b>Plus</b>	
• AURORA HERBICIDE	230 or 290 ml/ha
• CHEM SPRAY Crop Oil Concentrate	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 **MET PRO II HERBICIDE** is tank mixed with AURORA HERBICIDE.

Refer to the AURORA HERBICIDE label for additional information on crop variety restrictions, use precautions and application information.

**WEEDS CONTROLLED OR SUPPRESSED†**

† 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.

**MET PRO II HERBICIDE 7.5 grams/ha + surfactant:**

Ball mustard	Prostrate pigweed
Blue bur	Redroot pigweed
Canada thistle†	Russian thistle†
Chickweed	Scentsless chamomile
Common groundsel	Shepherd's purse
Corn spurry	Sow thistle (annual; perennial)†

Cow cockle	Stinkweed
Flixweed	Stork's bill
Green smartweed	Tartary buckwheat
Hemp-nettle	Toadflax†
Kochia	Volunteer canola °
Lady's thumb	Wild buckwheat†
Lamb's-quarters†	Wild mustard

° Volunteer canola: **MET PRO II HERBICIDE** alone will not control imazethapyr tolerant canola varieties, eg., canola varieties with the Clearfield® trait.

**MET PRO II HERBICIDE 5 grams/ha + 2,4-D (amine or ester) + Surfactant:**

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

° Including imazethapyr tolerant canola varieties, eg. Canola varieties with the Clearfield trait. Consult the 2,4-D label for appropriate use rates.

**MET PRO II HERBICIDE 7.5 grams/ha + 2,4-D (amine or ester) + Surfactant:**

All of the weeds controlled or suppressed by **MET PRO II 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†	

**MET PRO II HERBICIDE 5.0 grams/ha + MCPA (amine or ester) + Surfactant:**

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

° Including imazethapyr tolerant canola varieties, eg. canola varieties with the Clearfield trait. Use the

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

**MET PRO II HERBICIDE 7.5 grams/ha + MCPA (amine or ester) + Surfactant:**

All of the weeds controlled or suppressed by **MET PRO II 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†

**MET PRO II HERBICIDE + HELLCAT HERBICIDE (0.385 L/ha) (No surfactant):**

Broadleaf weeds controlled by **MET PRO II HERBICIDE** at 5 or 7.5 grams/ha, plus:

Green foxtail

Refer to the HELLCAT HERBICIDE label for appropriate weed staging, additional application instructions and environmental use precautions.

**MET PRO II HERBICIDE + HELLCAT HERBICIDE (0.77 L/ha) (No surfactant):**

Broadleaf weeds controlled by **MET PRO II HERBICIDE** at 5 or 7.5 grams/ha, plus:

Green foxtail  
Barnyard  
grass  
Wild oats

Refer to the HELLCAT HERBICIDE label for appropriate weed staging, additional application instructions, and environmental and use precautions.

**MET PRO II HERBICIDE + AURORA HERBICIDE:**

Broadleaf weeds controlled or suppressed by **MET PRO II HERBICIDE** alone at 7.5 g/ha, plus control of the following:

Wild oats	230 ml/ha AURORA HERBICIDE + 0.8% v/v CHEM SPRAY Crop Oil Concentrate (0.8 L per 100 L of spray solution)
Wild oats Green foxtail Yellow foxtail	290 ml/ha AURORA HERBICIDE + 1.0% v/v CHEM SPRAY Crop Oil Concentrate (1.0 L per 100 L of spray solution)

Refer to AURORA HERBICIDE 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. **MET PRO II HERBICIDE** + surfactant should be applied before the thistles are more than 15 cm tall. **MET PRO II HERBICIDE** + 2,4-D or **MET PRO II 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 **MET PRO II HERBICIDE** + surfactant at the cotyledon to 3-leaf stage. **MET PRO II HERBICIDE** + 2,4-D or **MET PRO II 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 **MET PRO II HERBICIDE** + surfactant before these weeds are more than 8 cm tall.

### **PASTURE AND RANGELAND**

For control of Western Snowberry apply 25 grams of **MET PRO II HERBICIDE** per hectare.  
For control of Wild Rose apply 30 grams of **MET PRO II 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.

### **CONTROL OF BROADLEAF WEEDS AND GRASSES IN FALLOW AND PRE-SEED TO SPRING WHEAT (INCLUDING DURUM) AND BARLEY.**

With any summerfallow treatment, allow 10 days to elapse between treatment and tillage. Only weeds emerged at time of application will be controlled.

Fields treated with **MET PRO II HERBICIDE** can be seeded to spring wheat (including durum) or barley a minimum of 24 hours after application.

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

The DIRECTIONS FOR USE for the uses described in this section of the label were developed by persons other than NewAgco, Inc. under the User Requested Minor Use Label Expansion program. For these uses, NewAgco, Inc. has not fully assessed performance (efficacy) and/or crop tolerance (phytotoxicity) under all environmental conditions or for all crop varieties when used in accordance with the label. The user should test the product on a small area first, under local conditions and using standard practices, to confirm the product is suitable for widespread application.

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

For post-emergent 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 **MET PRO II HERBICIDE**. Optimum control of narrow-leaved hawk's beard and scentless chamomile is obtained if application is made to small, actively growing weeds.

Apply **MET PRO 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:

**MET PRO II HERBICIDE + ASSURE™ II Herbicide or QUIZ® HERBICIDE or QUIZ II HERBICIDE + Adjuvant:**

<b>MET PRO II HERBICIDE</b>	7.5 grams/hectare
<b>plus</b>	
ASSURE® II Herbicide or QUIZ HERBICIDE or QUIZ II HERBICIDE	0.5 - 0.75
litres/hectare	
<b>plus</b>	
SURE-MIX™	5 litres per 1000 litres spray solution

These tankmixes will control all label weeds listed on the respective **MET PRO II HERBICIDE** and ASSURE II Herbicide or QUIZ HERBICIDE or QUIZ II HERBICIDE labels.

Apply **MET PRO II HERBICIDE** + ASSURE II Herbicide or QUIZ HERBICIDE or QUIZ II HERBICIDE tank mixtures post-emergent 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 or QUIZ HERBICIDE or QUIZ II HERBICIDE labels for additional application and/or use precautions instructions.

**SPRAY DRIFT MANAGEMENT:**

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 inversions, 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 for application to crops.

DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) coarse for application to pasture and rangeland.

**Spray buffer zones:**

The spray 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 and shrub lands) and sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands).

Application Rate (and use)*	Spray Buffer Zones (in metres) Required for the Protection of :		
	Freshwater Habitat of Depths :		Terrestrial Habitat
	0,8 m	> 1 m	
4.5 g a.i./ha (crops)	1	0	15
12 g a.i./ha (pasture and rangeland)	1	1	10
15 g a.i./ha (pasture and rangeland)	1	1	10
18 g a.i./ha (pasture and rangeland)	1	1	10

\* For field sprayer application, spray 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 or ground, the labelled spray 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 or ground, the labelled spray buffer zone can be reduced by 30%.

When tank mixes are permitted, consult the labels of the tank mix partners and observe the largest (most restrictive) spray buffer zone of the products involved in the tank mixture and apply using the coarsest spray (ASAE) category indicated on the labels for those tank mix partners.

#### 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 **MET PRO II HERBICIDE**.
3. Continue to agitate until **MET PRO II 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 **MET PRO II 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 **MET PRO II HERBICIDE** in suspension in the spray tank for a uniform application.

Use spray preparation of **MET PRO II HERBICIDE** within 48 hours or product degradation may occur. If spray preparation is left standing without agitation, thoroughly agitate before spraying.

Do not mix **MET PRO II HERBICIDE** with liquid fertilizers, substances that contain boron or substances that release free chlorine. Mixing **MET PRO II 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 **MET PRO II HERBICIDE** in suspension. Avoid overlapping, and shut off spray booms while starting, turning, slowing or stopping to prevent over-application.

**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 **MET PRO II 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. Empty the tank and drain the sump completely. Remove any contamination on the outside of the spraying equipment by washing with clean water.
2. Spray the interior tank walls (including the lid) with clean water using a minimum volume of 10% of the tank volume. Add household ammonia (containing a minimum 3% ammonia) at a solution rate of 1 L/100 L water or ALLCLEAN Cleaner (or other similarly approved cleaner) to the tank. Circulate the water through the lines, including all by-pass lines, for at least two minutes. Flush the boom well and empty the sprayer. Completely drain the sump.
3. Repeat step 2. For this rinse, the addition of household ammonia or other cleaner is not required.
4. Remove the strainers, nozzles, tips and screens and clean separately in a bucket containing water and ammonia solution.

If only ammonia is used as a cleaner, the rinsate solution may be applied to the crop(s) listed on this label. Do not exceed the maximum-labeled use rate. If other cleaners are used consult the cleaner label for rinsate disposal instructions. If no instructions are given, dispose of the rinsate on site or at an approved waste disposal facility.

**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 **MET PRO II HERBICIDE** to date of planting the rotational crop.

<b>BLACK AND GREY WOODED SOILS</b>									
<b>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 **MET PRO II HERBICIDE**.

Do not use on soils with pH greater than 7.9.

All other crops FIELD BIOASSAY\*

<b>BROWN AND DARK BROWN SOILS</b>									
<b>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 **MET PRO II HERBICIDE** cannot be rotated to crops other than those listed until a FIELD BIOASSAY confirms that residues of **MET PRO II 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 **MET PRO II 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 **MET PRO II HERBICIDE** is used on land previously treated with DuPont GLEAN® 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 **MET PRO II 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 **MET PRO II 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 **MET PRO II HERBICIDE** to use as a comparison.

As the crop(s) emerges and grows, examine these key points in **MET PRO II 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 **MET PRO II 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, **MET PRO II HERBICIDE** is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to **MET PRO II 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 **MET PRO II HERBICIDE** or other Group 2 herbicides within a growing season (sequence) or among growing seasons 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. To delay resistance, the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.
- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- 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 AgraCity Crop & Nutrition Ltd. at 1-844-269-3276 or at [www.agracity.com](http://www.agracity.com).

#### **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 **MET PRO II HERBICIDE** to a small area of each variety prior to adoption as a field practice.

Do not apply **MET PRO II 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.

**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.