

2020-1059  
2020-06-12

(Container Label)

GROUP	2	HERBICIDE
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## **M6316 SG HERBICIDE**

Soluble Granule 50%

For Use on Wheat (Spring, Winter or Durum), Barley, Oats and Imazamox and  
Imazethapyr Tolerant Canola (e.g. Clearfield\*canola varieties)

AGRICULTURAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

**ACTIVE INGREDIENT:** Thifensulfuron methyl 50%

Warning, contains the allergen milk.

REGISTRATION NO. 28730 PEST CONTROL PRODUCTS ACT

**NET CONTENTS:** 120 GRAMS – 25 KG.

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

**PRECAUTIONS:**

- **KEEP OUT OF REACH OF CHILDREN.**
- Avoid breathing spray mist.
- Avoid contact with skin, eyes and clothing.
- Wear 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 ground boom sprayers.
- Do not contaminate any body of water.
- **DO NOT APPLY BY AIR.**

**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 or label or the product name and Pest Control Product Registration Number with you when seeking medical attention.

<b>IN CASE OF A MEDICAL EMERGENCY, CALL TOLL FREE, DAY OR NIGHT: 1-800-331-3148</b>
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**TOXICOLOGICAL INFORMATION:**

Treat symptomatically.

**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.

**STORAGE AND DISPOSAL****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:**

For plastic or metal recyclable containers containing 23 L or less of product:

- DO NOT reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For returnable containers:

- DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For containers that can be refilled for the user by the distributor/dealer:

- For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

Disposal of unused, unwanted product

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

(Directions For Use brochure)

GROUP	2	HERBICIDE
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## **M6316 SG HERBICIDE**

Soluble Granule 50%

For Use on Wheat (Spring, Winter or Durum), Barley, Oats and Imazamox and Imazethapyr Tolerant Canola (e.g. Clearfield\*canola varieties)

AGRICULTURAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

**ACTIVE INGREDIENT** : Thifensulfuron methyl 50%

Warning, contains the allergen milk.

REGISTRATION NO. 28730 PEST CONTROL PRODUCTS ACT

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

**PRECAUTIONS:**

- **KEEP OUT OF REACH OF CHILDREN.**
- Avoid breathing spray mist.
- Avoid contact with skin, eyes and clothing.
- Wear 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 ground boom sprayers.
- Do not contaminate any body of water.
- **DO NOT APPLY BY AIR.**

**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 or label or the product name and Pest Control Product Registration Number with you when seeking medical attention.

<b>IN CASE OF A MEDICAL EMERGENCY, CALL TOLL FREE, DAY OR NIGHT: 1-800-331-3148</b>
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**TOXICOLOGICAL INFORMATION:**

Treat symptomatically.

**ENVIRONMENTAL PRECAUTIONS:**

- **TOXIC** to 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.

**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.

Wheat, barley or oats must not be grazed by or fed to livestock within 7 days of application. Imazamox and imazethapyr tolerant canola (e.g. Clearfield\* Canola varieties) must not be harvested, grazed or fed to livestock within 64 days of application.

Carefully observe sprayer clean-up instructions, as spray tank residue may damage crops other than spring wheat, winter wheat, barley, oats, or imazamox and imazethapyr tolerant canola (e.g. Clearfield\* canola varieties).

DO NOT APPLY BY AIR.

### GENERAL INFORMATION

M6316 SG Herbicide is recommended for selective postemergence control of broadleaf weeds in wheat (spring, winter, or durum) barley, oats and imazamox and imazethapyr tolerant canola (e.g. Clearfield\* canola varieties not underseeded to legumes or grasses. M6316 SG Herbicide is in the form of a water soluble granule to be dissolved in water and applied as a uniform broadcast spray. It is noncorrosive, nonflammable, nonvolatile, and does not freeze. M6316 SG Herbicide must be applied with a recommended surfactant early postemergence to the main flush of actively growing weeds. Warm, moist growing conditions promote active weed growth and enhance the activity of M6316 SG Herbicide by allowing maximum foliar uptake and contact activity. Weeds hardened off by environmental stress may not be adequately controlled or suppressed and regrowth may occur.

M6316 SG Herbicide may only be applied using ground equipment. For best results, ensure thorough spray coverage of target weeds. Refer to "Directions For Use" section of the label for complete use details. M6316 SG Herbicide 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 on growing conditions and weed susceptibility. Favourable growing conditions following treatment promote the activity of M6316 SG Herbicide while cold, dry conditions delay the activity. Degree of control and duration of effect depend on weed sensitivity, weed size, crop competition, growing conditions and spray coverage.

### DIRECTIONS FOR USE:

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. **DO NOT** apply by air.

#### Buffer zones:

Use of the following spray methods or equipment **DO NOT** require a buffer zone: hand-held or backpack sprayer, inter-row hooded sprayer, spot treatment, soil drench, and soil incorporation.

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, rangelands, riparian areas and shrub lands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, stream s, reservoirs and wetlands) and estuarine/marine habitats.

Method of Application	Buffer Zones (metres) Required for the Protection of:		
	Aquatic Habitats of Depths:		Terrestrial Habitats
	Less than 1 m	Greater than 1 m	

Field sprayer*	1	0	15
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\* 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, WINTER, OR DURUM), BARLEY OR OATS

Wheat (spring, winter, or durum), barley or oats – not underseeded to legumes or grasses. Apply 30 grams of M6316 SG Herbicide per hectare with a recommended surfactant such as AG-SURF\*, AGRAL\* 90, or CITOWETT® PLUS at 2 litres per 1000 litres spray solution (see "Mixing Instructions"), in the spring when the crop is in the two leaf to flag leaf (shot blade) stage of growth. Thorough coverage is important.

#### Weeds controlled:

Chickweed*	Stinkweed
Russian thistle	Wild Buckwheat**
Volunteer rapeseed***	Redroot pigweed
Hemp-nettle	Lamb's-quarters
Green smartweed	Wild mustard
Cow cockle	Corn spurry
Lady's-thumb	

#### Weeds Suppressed:

Kochia

Suppression is a visual reduction in weed competition (reduced population or vigour) as compared to an untreated area. For best results apply to emerged young actively growing weeds before the canopy closes. Weeds should be less than 10 cm tall or across. Weeds that emerge after treatment will not be controlled.

#### NOTE:

If rain occurs soon after application control may be reduced. Several hours of dry weather are needed to allow M6316 SG Herbicide to be absorbed by weed foliage.

#### Specific Weed Recommendations:

- \* **Chickweed:** Apply M6316 SG Herbicide plus recommended surfactant when the chickweed is small (1 to 6 leaf) and actively growing but before crop canopy prevents thorough coverage of weeds. Chickweed emerging after application will not be controlled.
- \*\* **Wild Buckwheat:** Apply M6316 SG Herbicide plus surfactant to actively growing wild buckwheat in the 1 - 3 leaf stage. Under dry conditions control may be reduced. Large plants may regrow after treatment.
- \*\*\* **Volunteer rapeseed:** M6316 SG Herbicide will not control imazamox and imazethapyr tolerant canola (e.g. Clearfield\*canola varieties).

#### TANK MIXES:

**M6316 SG HERBICIDE + MCPA AMINE 500**  
FOR USE IN WHEAT (SPRING, WINTER OR DURUM), BARLEY, OATS

M6316 SG Herbicide may be tank mixed with MCPA Amine 500 to control the above weeds plus control of ragweed and suppression of Canada thistle. Apply M6316 SG Herbicide at 30 grams per hectare plus MCPA Amine 500 at 1.0 litre per hectare (or acid equivalent to deliver 500 gram active ingredient per hectare) plus a recommended surfactant such as AG-SURF\*, AGRAL\* 90 or CITOWETT® PLUS at 2 litres per 1000 litres of spray volume (see "Mixing Instructions" section of the label). Follow all precautionary statements for products used.

#### **M6316 SG HERBICIDE + HOE-GRASS\* 284**

FOR USE ON WHEAT (SPRING, WINTER AND DURUM) AND BARLEY (EXCEPT KLAGES AND BETZES VARIETIES IN ALBERTA).

Mix M6316 SG Herbicide at 30 grams per hectare with HOE-GRASS\* 284 herbicide at 2.5 - 2.8 litres per hectare for the control of certain annual broadleaf weeds and wild oats only. Do not add a surfactant. This tank mix does not control green or yellow foxtail (wild millet, pigeon grass), Persian dandelion, barnyard grass, or volunteer corn. Consult the HOE-GRASS\* 284 label for additional application instructions and use precautions. Apply to broadleaf weeds that are young and actively growing. Ensure that M6316 SG Herbicide is completely dissolved in the spray tank before adding HOE-GRASS\* 284. On repeat tank loads, prepare a M6316 SG Herbicide /water slurry and add it to the required water volume in the spray tank prior to adding HOE-GRASS\* 284.

#### **M6316 SG HERBICIDE PLUS AVENGE\* 200-C**

FOR CONTROL OF BROADLEAF WEEDS AND WILD OATS IN CERTAIN VARIETIES OF WHEAT (CHECK AVENGE\* LABEL FOR SPECIFIC VARIETIES) AND ALL VARIETIES OF BARLEY APPLY A TANK MIX OF M6316 SG HERBICIDE PLUS AVENGE\* 200-C.

Use 3.5 - 4.25 litres per hectare of AVENGE\* 200-C with 30 grams M6316 SG Herbicide per hectare. Consult the AVENGE\* 200-C label for crop variety restrictions, additional application instructions, and precautions. DO NOT APPLY BY AIR. Applications of M6316 SG Herbicide made at later stages of growth of broadleaf weeds may result in reduced control of these weeds. Ensure that M6316 SG Herbicide is completely in suspension in the spray tank before adding AVENGE\* 200-C. Do not add a surfactant. On repeat tank loads, prepare a M6316 SG Herbicide/water slurry and add it to the required water volume in the spray tank prior to adding AVENGE\* 200-C.

#### **M6316 SG HERBICIDE PLUS STARANE\* II HERBICIDE**

FOR USE ON SPRING WHEAT, DURUM WHEAT, WINTER WHEAT, SPRING BARLEY AND OATS

M6316 SG Herbicide may be tank mixed with Starane\* II Herbicide to control the weeds listed for control by M6316 SG Herbicide alone plus control of cleavers (1-6 whorl stage). Apply M6316 SG Herbicide at 30 grams per hectare plus Starane\* II Herbicide at 0.21 litre per hectare plus a recommended surfactant such as AG-SURF\*, AGRAL\* 90 or CITOWETT® PLUS at 2 litres per 1000 litres of spray volume (see "Mixing Instructions" section of the label). Follow all precautionary statements for products used.

#### **M6316 SG HERBICIDE + GP HERBICIDE**

FOR WEED CONTROL IN SPRING WHEAT, DURUM WHEAT AND WINTER WHEAT (IN THE PRAIRIE PROVINCES AND PEACE RIVER REGION OF BC)

Apply this tank mix from the 3-leaf stage to just before the flag leaf (shot blade) stage of the spring wheat (including durum), prior to head emergence, but before the crop canopy will prevent thorough coverage of target weeds. Apply to winter wheat in the spring, when winter wheat is in the 2-7 leaf, 4 tiller stage. Do not apply after head has emerged. For best results, apply to young, actively growing weeds: broadleaf weeds that are less than 10 cm in height or diameter (unless otherwise specified) and grass weeds that are within the specified growth stages. Thorough coverage of target weeds is essential. Extreme growing conditions such as drought or near freezing temperature prior to, at or following time of application may



reduce weed control and increase the risk of crop injury at all stages of growth. Under conditions of low crop and high weed density, control may be reduced.

For control of broadleaf and grass weeds, apply the tank mix as follows:

TANK MIX PARTNER	RATE
M6316 SG Herbicide	30 g/ha
GP Herbicide	70 g/ha
Non-ionic surfactant such as Agral* 90 or AgSurf*	0.25% v/v (0.25 L per 100 L spray solution)
<b>Broadleaf Weeds Controlled</b>	<b>Grass Weeds Controlled</b>
Cleavers (up to 6 whorl)	Barnyard grass (1-5 leaf)
Common chickweed	Japanese Brome (1-6 leaf)
Corn spurry (up to 2 whorl stage, < 10 cm in height)	Wild oats (up to 4 leaf, 2 tiller)
Cow cockle (up to 8 leaf)	Yellow foxtail (1-5 leaf)
Flixweed	
Green smartweed	
Hemp-nettle (1-8 leaf)	
Lamb's-quarters	
Redroot Pigweed (1-8 leaf)	<b>Grass Weeds Suppressed</b>
Round-leaved mallow (up to 6 leaf stage, <10 cm in size)	Downy brome (2-6 leaf, 4 tillers)
Russian thistle	Green foxtail (1-5 leaf)
Shepherd's purse (up to 30 cm tall)	
Smartweed (lady's-thumb, 1-5 leaf)	
Stinkweed (up to 30 cm tall)	
Volunteer Canola (1-6 leaf) <sup>1</sup>	
Wild mustard	
Wild Buckwheat (1-3 leaf)	
<b>Broadleaf Weeds Suppressed</b>	
Canada thistle (up to 30 cm tall, prebud)	
Dandelion (seedlings and overwintered rosettes less than or equal to 20 cm)	

<sup>1</sup> Will not control imazethapyr tolerant canola varieties (e.g. Clearfield\* varieties or other varieties with the Pursuit Smart\* trait)

For control of broadleaf weeds and low wild oat populations (<75 plants/m<sup>2</sup>) only, apply the tankmix as follows:

TANK MIX PARTNER	RATE
M6316 SG Herbicide	30 g/ha
GP Herbicide	52 g/ha
Non-ionic surfactant such as Agral* 90 or AgSurf*	0.25% v/v (0.25 L per 100 L spray solution)
<b>Broadleaf Weeds Controlled</b>	<b>Grass Weeds Controlled</b>
Common chickweed (1-6 leaf)	Wild oats (up to 4 leaf, 2 tiller)

Corn spurry	
Cow cockle	
Green smartweed	
Hemp-nettle	
Lamb's-quarters	
Redroot Pigweed	
Russian thistle	
Smartweed (lady's-thumb)	
Stinkweed	
Volunteer Canola <sup>1</sup>	
Wild mustard	
Wild Buckwheat (1-3 leaf)	

<sup>1</sup> Will not control imazethapyr tolerant canola varieties (e.g. Clearfield\* varieties or other varieties with the Pursuit Smart\* trait)

### Winter Wheat (Spring Application) for Downy Brome

The tank mix of M6316 SG Herbicide plus GP Herbicide applied as a spring application will provide suppression of downy brome in winter wheat. Apply GP Herbicide at a rate of 70 g per hectare. Add BASF Assist Oil Concentrate at 0.8% v/v (0.8 L/100 L of spray mixture) or Merge\* Adjuvant at 0.5% v/v (0.5 L/100 L of spray mixture; spring application only). Apply using equipment that will assure uniform coverage. In addition to suppression of downy brome when applied in the spring, this tankmix also control/suppress weeds listed.

#### FOR USE ONLY ON:

#### IMAZAMOX AND IMAZETHAPYR TOLERANT CANOLA (E.G. CLEARFIELD\* CANOLA VARIETIES)

FOR USE ONLY IN THE PRAIRIE PROVINCES AND THE PEACE RIVER REGIONS OF BRITISH COLUMBIA.

#### GENERAL INFORMATION

Imazamox and Imazethapyr Tolerant Canola (e.g. Clearfield\* canola varieties) - Temporary crop yellowing may be observed shortly after application of the following treatments on Imazamox and Imazethapyr Tolerant Canola (e.g. Clearfield\* Canola varieties), especially when applied to the crop growing under environmentally stressful conditions (see USE PRECAUTIONS section of the label). Avoid application to Imazamox and Imazethapyr tolerant canola (e.g. Clearfield\*canola varieties) fields in which germination is uneven (some plants outside the recommended leaf stage for application), as crop injury may result. DO NOT apply to non-Imazamox and Imazethapyr tolerant canola (e.g. Clearfield\*canola varieties) as severe crop injury or death of the plant may occur. CAUTION: Application of the M6316 SG Herbicide on Imazamox and Imazethapyr tolerant canola (e.g. Clearfield\*canola varieties) may result in a delay in flowering.

#### M6316 SG HERBICIDE ALONE

FOR USE ON IMAZAMOX AND IMAZETHAPYR TOLERANT CANOLA  
(E.G. CLEARFIELD\* CANOLA VARIETIES)

#### For the Control of Broadleaf Weeds only, Apply:

M6316 SG Herbicide at 30 grams per hectare plus a recommended surfactant such as AGRAL\* 90, AG-SURF\* and CITOWETT® PLUS at 2 litres per 1000 litres spray solution or the adjuvant SUREMIX™ at 5 litres per 1000 litres spray solution (see "Mixing Instructions" section of label). Apply M6316 SG Herbicide when the Imazamox and Imazethapyr tolerant canola (e.g. Clearfield\*canola varieties) is in the 3 to 6 leaf stage of growth but prior to beginning of bolting. Application of M6316 SG Herbicide prior to

the 3 leaf stage of Imazamox and Imazethapyr tolerant canola (e.g. Clearfield\*canola varieties) could result in crop injury.

M6316 SG Herbicide will control the following broadleaf weeds:

**WEEDS CONTROLLED**

Chickweed*	Stinkweed
Hemp-nettle	Lamb's-quarters
Lady's-thumb	volunteer rapeseed***
Redroot pigweed	Cow cockle
Corn spurry	Wild buckwheat**
Russian thistle	Wild mustard
Green smartweed	

**WEEDS SUPPRESSED**

Kochia

Suppression is a visual reduction in weed competition (reduced population or vigour) as compared to an untreated area. For best results apply to emerged young actively growing weeds before the canopy closes. Weeds should be less than 10 cm tall or across. Weeds that emerge after treatment will not be controlled.

**NOTE:**

If rain occurs soon after application control may be reduced. Several hours of dry weather are needed to allow M6316 SG Herbicide to be absorbed by weed foliage.

**Specific Weed Recommendations:**

- \* **Chickweed:** Apply M6316 SG Herbicide plus recommended surfactant when the chickweed is small (1 to 6 leaf) and actively growing but before crop canopy prevents thorough coverage of weeds. Chickweed emerging after application will not be controlled.
- \*\* **Wild Buckwheat:** Apply M6316 SG Herbicide plus surfactant to actively growing wild buckwheat in the 1 - 3 leaf stage. Under dry conditions control may be reduced. Large plants may regrow after treatment.
- \*\*\***Volunteer Rapeseed:** M6316 SG Herbicide will not control Imazamox and Imazethapyr Tolerant Canola (e.g. Clearfield\*canola varieties).

**TANK MIXTURES IN:**

IMAZAMOX AND IMAZETHAPYR TOLERANT CANOLA (EG. CLEARFIELD\* CANOLA VARIETIES)

FOR USE ONLY IN THE PRAIRIE PROVINCES AND THE PEACE RIVER REGION OF BRITISH COLUMBIA.

**M6316 SG HERBICIDE + ASSURE\* II**

For use on Imazamox and Imazethapyr Tolerant Canola (e.g. Clearfield\*Canola Varieties)  
For the control of annual grasses as well as broadleaf weeds, apply a tank mixture of:

M6316 SG HERBICIDE	at 30 grams per hectare
plus	
ASSURE* II	at 0.38 - 0.5 litres per hectare
plus	
SURE-MIX*	at 0.5 % v/v or 5 litres per 1000 litres spray solution

Apply M6316 SG Herbicide plus ASSURE\* II tank mixture when the Imazamox and Imazethapyr tolerant canola (e.g. Clearfield\*canola varieties) is in the 3 to 6 leaf stage of growth but prior to beginning of bolting. Application of the M6316 SG Herbicide plus ASSURE\* II tank mixture prior to the 3 leaf stage of Imazamox and Imazethapyr tolerant canola (e.g. Clearfield\*canola varieties) could result in crop injury.

This tankmix will control the above broadleaf weeds as well as the grass weeds listed below:

<b>RATE</b>	<b>WEEDS CONTROLLED</b>	<b>WEED LEAF STAGE</b>
0.38 or 0.5 L/ha	Barnyard grass	2 leaf to early tillering*
	Green foxtail	2 leaf to early tillering
	Volunteer barley	2 leaf to early tillering
	Volunteer corn	2-6 leaf
	Volunteer oats	2 leaf to early tillering**
	Volunteer wheat	2 leaf to early tillering
	Wild oats	1-5 leaf without tillers (0.38 L/ha) 2 leaf to early tillering** (0.5 L/ha)
	<b>WEEDS SUPPRESSED</b>	
	Quackgrass	2-6 leaf*

\* Use the higher rate of ASSURE\* II (0.5 L/ha) for control of barnyard grass, as well as suppression of quackgrass.

\*\* Best results on volunteer/wild oats if application is made before tillering begins.

**NOTE:**

Consult the ASSURE\* II label for additional instructions regarding grassy weed size and/or height at time of application as well as other use precautions, and restrictions.

**M6316 SG HERBICIDE + LONTREL\* 360 EC**

For use on Imazamox and Imazethapyr Tolerant Canola (e.g. Clearfield\*Canola varieties).

For control of annual broadleaf weeds plus top growth control of Canada Thistle, apply a tank mixture of the following:

M6316 SG HERBICIDE		at 30 grams per hectare
	plus	
LONTREL* 360 EC		at 0.42 litres per hectare
	plus	
Non-ionic Surfactant		at 0.2% v/v
	or	
SURE-MIX®		at 0.5% v/v or 5 litres per 1000 litres spray solution

Apply the M6316 SG Herbicide plus LONTREL\* 360 tank mixture when the Imazamox and Imazethapyr tolerant canola (e.g. Clearfield\*canola varieties) is in the 3 to 6 leaf stage of growth but prior to beginning of bolting. Application of the M6316 SG Herbicide plus LONTREL\* 360 tank mixture prior to the 3 leaf stage of Imazamox and Imazethapyr tolerant canola (e.g. Clearfield\*canola varieties) could result in crop injury.

**Weeds Controlled or Suppressed:**

This tank mix will control or suppress the broadleaf weeds above with M6316 SG Herbicide used alone, PLUS provide top growth control of Canada Thistle. Consult the LONTREL\* 360 EC label for additional instructions regarding Canada Thistle size at the time of application, as well as other use precautions.

**M6316 SG HERBICIDE + LONTREL\* 360 EC + ASSURE\* II**

For use ONLY on Imazamox and Imazethapyr Tolerant Canola (e.g. Clearfield\* Canola varieties)

For top growth control of Canada Thistle as well as control of annual grasses and broadleaf weeds, apply a tank mixture of the following:

M6316 SG HERBICIDE		at 30 grams per hectare
	plus	
LONTREL* 360 EC		at 0.42 litres per hectare
	plus	

ASSURE\* II at 0.38 or 0.5 litres per hectare  
plus  
SURE-MIX\* at 0.5% v/v or 5 litres per 1000 litres spray solution

Apply the M6316 SG Herbicide plus LONTREL\* 360 plus ASSURE\* II tank mixture when the Imazamox and Imazethapyr tolerant canola (e.g. Clearfield\*canola varieties) is in the 3 to 6 leaf stage of growth but prior to beginning of bolting. Application of the M6316 SG Herbicide plus LONTREL\* 360 plus ASSURE\* II tank mixture prior to the 3 leaf stage of Imazamox and Imazethapyr Tolerant Canola (e.g. Clearfield\* canola varieties) may result in crop injury.

#### **Weeds Controlled or Suppressed:**

This tank mix will control or suppress the annual grasses & broadleaf weeds listed above with the M6316 SG Herbicide + ASSURE\* II tank mix, PLUS provide top growth control of Canada Thistle. Consult the ASSURE\* II and LONTREL\* 360 EC labels for additional instructions regarding weed size &/or height at the time of application, as well as other use precautions.

#### **MIXING INSTRUCTIONS:**

1. Select a spray volume that will ensure thorough coverage and uniform spray pattern. Use a minimum of 100 L of spray volume per hectare.
2. Fill the spray tank 1/4 to 1/3 full with fresh water.
3. Add the recommended amount of M6316 SG Herbicide to the spray tank while the agitator is running. Make sure all of the M6316 SG Herbicide is dissolved. Once dissolved, Continuous agitation is not required to keep M6316 SG Herbicide in solution, but may be required to keep tank mix partners in suspension.
4. After M6316 SG Herbicide is dissolved, other tankmix components may be added while continuing to fill the tank with water. The proper sequence for tank mix components is:
  - i) dry formulations
  - ii) emulsifiable concentrates (i.e. MCPA AMINE 500, HOE-GRASS\* 284, AVENGE\*200-C, LONTREL\* 360 EC or ASSURE\* II)
  - iii) surfactants or adjuvants (recommended surfactants are AGRAL\* 90, AG-SURF\*, and CITOWETT® PLUS; recommended adjuvant for use with ASSURE II\*, LONTREL\* 360 EC or ASSURE\* II + LONTREL\* 360 EC tankmixes is SURE-MIX\*).

#### **NOTE:**

Refer to the appropriate tank mix section of this label for more detailed recommendations on the specific surfactant or adjuvant required. A surfactant or adjuvant recommended on this label must be added to improve wetting and contact activity. Anti-foaming agents may be required. Ensure that the herbicide is completely mixed before proceeding to the next step.

5. For repeat loads, reduce the tank heel to 10% or less of the previous load. Fill tank with fresh water as described in step 2, and continue as directed. Emulsifiable concentrates may make dispersion of M6316 SG Herbicide more difficult. For that reason, tank heels of the previous tank mix should be kept to 10% or less of the spray tank volume.
6. Use the spray preparation of M6316 SG Herbicide within 24 hours or product degradation may occur. If spray solution is left standing without agitation, thoroughly agitate and re-suspend any settled herbicide before resuming the spraying operation.

#### **EQUIPMENT - SPRAY VOLUMES:**

Apply the spray mixture uniformly with properly calibrated ground equipment only. Ensure thorough coverage and a uniform spray pattern. Flat fan nozzles are recommended (minimum 100 litres spray volume per hectare). When using flood jet or "Raindrop" nozzles, apply 225 litres per hectare total spray volume to ensure thorough coverage. Use 50 mesh filter screens or larger (metal or nylon).

Continuous agitation is required to keep herbicide tank mixtures in suspension. Apply uniformly and avoid overlapping. Shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from over application.

#### **SPRAYER CLEANUP:**

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

To avoid subsequent injury to crops other than wheat, barley, oats or Imazamox and Imazethapyr tolerant canola (e.g. Clearfield\* canola varieties) immediately after spraying and prior to spraying other crops thoroughly remove all traces of M6316 SG Herbicide from mixing and spray equipment as follows:

1. Drain tank and flush tank, boom and hoses with clean water. If boom is equipped with multiple nozzle bodies, be sure to rotate through all nozzles to ensure clean water reaches all parts of these assemblies.
2. Visually inspect tank to ensure removal of all visible residues of M6316 SG Herbicide. If necessary, repeat Step 1.
3. Fill the tank with clean water, and then add 1 litre household AMMONIA (containing minimum of 3% ammonia) or equivalent amount of a sprayer tank cleaner containing ammonia, per 100 litres of water. Ammonia will not neutralize the herbicide, but helps dissolve dried – on herbicide deposits. If an emulsifiable concentrate has been tank mixed with M6316 SG Herbicide, use of a wetting agent in the cleaning process will assist in removing oily residue that may trap M6316 SG Herbicide on the tank and hoses.
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. Drain the tank.
6. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
7. 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.

#### **USE PRECAUTIONS:**

**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, application equipment and sprayer settings.

Do not apply to wheat, barley, oats or Imazamox and Imazethapyr tolerant canola (e.g. Clearfield\* canola varieties) that are or have been stressed prior to application by severe weather conditions, frost, low fertility, drought, water saturated soil, disease or insect damage as crop injury may result.

Do not apply to registered crops if the above stress conditions are expected within 3 days after application as crop injury may result.

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

Under certain environmentally stressful conditions (such as heavy rainfall, prolonged cool or hot 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 crops underseeded to legumes, or grasses as injury to forage may result.

Because crop varieties differ in their tolerance to herbicides, limit first use of M6316 SG Herbicide to a small area of each variety prior to adoption as a field practice.

Do not exceed a total of 30 g per hectare per crop year.

Do not plant any crop other than wheat or barley, or Imazamox or Imazethapyr tolerant canola (e.g. Clearfield\* canola varieties) for 30 days after application of M6316 SG Herbicide.

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact FMC at 1-833-362-7722 for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by FMC.

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

For resistance management, M6316 SG Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to M6316 SG 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 used of M6316 SG Herbicide 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 for further information.

## STORAGE AND DISPOSAL

### 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:

For plastic or metal recyclable containers containing 23 L or less of product:

- DO NOT reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use. If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For returnable containers:

- DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For containers that can be refilled for the user by the distributor/dealer:

- For disposal, this container may be returned to the point of purchase (distributor/dealer). It must be refilled by the distributor/dealer with the same product. Do not reuse this container for any other purpose.

Disposal of unused, unwanted product

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

**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.

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