

Group	2	Herbicide
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## Sharda Rimsulfuron 25% WDG Herbicide

WETTABLE GRANULES

ACTIVE INGREDIENT: Rimsulfuron.....25 %

Warning, contains the allergen sulfites

FOR SALE FOR USE ON FIELD CORN AND OPTIMUM™ GAT™ SOYBEANS IN EASTERN CANADA AND THE RED RIVER VALLEY REGION OF MANITOBA. FOR SALE FOR USE IN WEED CONTROL FOR POTATOES IN EASTERN CANADA, IRRIGATED POTATOES IN WESTERN CANADA, SEED POTATOES AND TRANSPLANTED PROCESSING TOMATOES AND FRESH MARKET FIELD TOMATOES ONLY AND WEED CONTROL/SUPPRESSION IN Highbush Blueberry

AGRICULTURAL

REGISTRATION NO. 32932

PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

WARNING - EYE IRRITANT

NET CONTENTS: 480 g

Sharda Cropchem Limited  
Prime Business Park  
Dashrathlal Joshi Road, Vile Parle (West)  
Mumbai 400056  
India

Canadian Agent:  
Sharda Cropchem Limited  
63 Kingsview Blvd  
Etobicoke, Ontario, CA  
M9R1V1  
1-844-810-5720  
1-416-840-5639

## **PRECAUTIONS**

KEEP OUT OF REACH OF CHILDREN

WARNING - EYE IRRITANT

Avoid breathing spray mist.

Avoid contact with skin, eyes and clothing.

Do not contaminate any body of water.

DO NOT APPLY BY AIR

Mixers, loaders and applicators must wear a long-sleeved shirt, long pants, and chemical resistant gloves (gloves not required for groundboom sprayers).

## **FIRST AID**

**IN CASE OF POISONING** Contact a physician or a poison control centre **IMMEDIATELY**.

**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 ON SKIN/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 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 INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably 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 HAZARDS**

- TOXIC to non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.
- TOXIC to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.
- 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.
- To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.
- Avoid application 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 waterbody.

## **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 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.

Directions for Use

Group	2	Herbicide
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## Sharda Rimsulfuron 25% WDG Herbicide

ACTIVE INGREDIENT: Rimsulfuron.....25 %

Warning, contains the allergen sulfites

FOR SALE FOR USE ON FIELD CORN AND OPTIMUM™ GAT™ SOYBEANS IN EASTERN CANADA AND THE RED RIVER VALLEY REGION OF MANITOBA. FOR SALE FOR USE IN WEED CONTROL FOR POTATOES IN EASTERN CANADA, IRRIGATED POTATOES IN WESTERN CANADA, SEED POTATOES AND TRANSPLANTED PROCESSING TOMATOES AND FRESH MARKET FIELD TOMATOES ONLY AND WEED CONTROL/SUPPRESSION IN Highbush Blueberry

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1-416-840-5639

## **PRECAUTIONS**

KEEP OUT OF REACH OF CHILDREN

WARNING - EYE IRRITANT

Avoid breathing spray mist.

Avoid contact with skin, eyes and clothing.

Do not contaminate any body of water.

DO NOT APPLY BY AIR

Mixers, loaders and applicators must wear a long-sleeved shirt, long pants, and chemical resistant gloves (gloves not required for groundboom sprayers).

## **IMPORTANT**

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

Do not apply or 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. Keep from contact with fertilizers, insecticides, fungicides and seeds.

APPLY SHARDA RIMSULFURON 25% WDG HERBICIDE WITH A RECOMMENDED SURFACTANT.

DO NOT APPLY BY AIR.

Do not handle pesticides with bare hands. Chemical-resistant gloves significantly reduce hand exposure. Wear a long-sleeved shirt, long pants, a hat and enclosed boots during all activities. When handling the concentrate wear the previously mentioned clothing, chemical resistant gloves and goggles or a face shield. If ventilation is not adequate, wear an appropriate pesticide respirator.

Carefully observe sprayer cleanup instructions, as spray tank residue may damage crops other than corn.

## **FIRST AID**

**IN CASE OF POISONING** Contact a physician or a poison control centre **IMMEDIATELY**.

**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 ON SKIN/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 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 INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably 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 HAZARDS**

- TOXIC to non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.
- TOXIC to aquatic organisms. Observe buffer zones specified under DIRECTIONS FOR USE.
- 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.
- To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.
- Avoid application 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 waterbody.

## **GENERAL INFORMATION:**

SHARDA RIMSULFURON 25% WDG Herbicide is a dry flowable granular formulation to be mixed in water and applied either pre- or post-emergence to field corn in Eastern Canada and the Red River Valley region of Manitoba for control of annual grasses, quackgrass, redroot pigweed, and lamb's quarters. SHARDA RIMSULFURON 25% WDG Herbicide can safely be applied preemergent to Optimum™ GAT™ Soybeans. SHARDA RIMSULFURON 25% WDG Herbicide is applied post-emergence to potatoes for control of quackgrass, annual grasses and redroot pigweed.

SHARDA RIMSULFURON 25% WDG Herbicide is non-corrosive, non-flammable, non-volatile, and does not freeze.

## **DIRECTIONS FOR USE:**

### **ENVIRONMENTAL CONDITIONS AND BIOLOGICAL ACTIVITY**

- A rapid fluctuation in temperature (greater than 20 deg C difference within 24-36 hours) will stress the corn crop. For maximum crop safety, allow 48-72 hours for the corn to acclimatize before spraying SHARDA RIMSULFURON 25% WDG Herbicide.
- For SHARDA RIMSULFURON 25% WDG Herbicide used alone or in a tank mix, apply ONLY when the temperature in the 24 hours before AND after application ranges between 5 deg C and 28 deg C. Temperatures beyond this range increase the potential for crop injury. Separate applications of SHARDA RIMSULFURON 25% WDG Herbicide followed by a broadleaf herbicide (minimum 12 hours later) will reduce the potential for injury.
- Ensure that the boom is set at the proper height in relation to the corn plants to apply SHARDA RIMSULFURON 25% WDG Herbicide accurately and uniformly, and to AVOID excessive application into the corn whorl.
- WARNING: Crop injury may result if application is made to crops that have been stressed by abnormally hot, humid or cold weather conditions, frost, low fertility, drought, water saturated soil, compacted soil, previous pesticide applications, disease or insect damage. If the crop has been injured by frost, wait 48-72 hours before applying SHARDA RIMSULFURON 25% WDG Herbicide.
- When tank mixing SHARDA RIMSULFURON 25% WDG Herbicide with a broadleaf herbicide, always read the broadleaf herbicide label before using and follow all precautions.
- When a tank mixture is used, consult the labels of the tankmix partners and observe the largest (most restrictive) buffer zone of the products involved in the tank mixture.
- SHARDA RIMSULFURON 25% WDG Herbicide rapidly stops growth of susceptible species; typical symptoms usually appear within 5-7 days, but may not be noticeable for 2-3 weeks after application, depending on growing conditions and weed susceptibility.

- Warm, moist conditions following application promote the activity of SHARDA RIMSULFURON 25% WDG Herbicide, while cool and/or dry conditions may reduce or delay activity. Weeds hardened off by cold weather or drought stress may not be controlled.
- SHARDA RIMSULFURON 25% WDG Herbicide is a contact herbicide, and will not give residual control of grass or broadleaf weed seedlings that may germinate after application. Weed control may be reduced if the crop canopy has closed over the weeds, intercepting the spray.
- 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 this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches and wetlands), estuaries or marine habitats.
- DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

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:**

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 shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of:		
		Terrestrial Habitat	Aquatic habitats of water depths:	
			< 1 m	> 1 m
Field sprayer*	Corn, Transplanted processing tomatoes, Potatoes, Highbush blueberries	5	1	1
	Field Tomatoes	15	1	1

\* 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 or ground, 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 or ground, 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.

### **CORN HYBRID SENSITIVITY**

Corn hybrids with corn-heat-unit (CHU) ratings of 2500 or less have shown some sensitivity to SHARDA RIMSULFURON 25% WDG HERBICIDE. DO NOT APPLY SHARDA RIMSULFURON 25% WDG HERBICIDE POST-EMERGENT ON CORN HYBRIDS WITH CHU RATINGS OF 2500 OR LESS OR IN GEOGRAPHIC REGIONS HAVING 2500 OR LESS AVERAGE SEASONAL CORN HEAT UNITS. SHARDA RIMSULFURON 25% WDG HERBICIDE MAY BE APPLIED PRE-EMERGENT ON CORN HYBRIDS WITH CHU RATINGS OF 2500 OR LESS AND IN GEOGRAPHIC REGIONS HAVING 2500 OR LESS AVERAGE SEASONAL CORN HEAT UNITS

Corn hybrids of 2550 CHU or greater that have shown considerable crop injury from applications of SHARDA RIMSULFURON 25% WDG Herbicide are listed below. SHARDA RIMSULFURON 25% WDG Herbicide should not be sprayed for weed control in fields planted with these hybrids.

PIONEER Brand 3897  
PIONEER Brand 3936  
PIONEER Brand 3941  
MAX 78  
G-4120  
G-4034  
G-4160  
Pickseed 2525

Do not use on sweet corn. Do not use on seed corn.

### **SHARDA RIMSULFURON 25% WDG HERBICIDE USED ALONE IN EASTERN CANADA ONLY**

#### **SPRAY ADJUVANTS**

SHARDA RIMSULFURON 25% WDG Herbicide must be applied with a recommended non-ionic surfactant, either CITOWETT PLUS, AGRAL 90 or AG-SURF at 2 L per 1000 L spray solution (0.2% v/v).

### **CORN**

Make only one application per year to corn.

#### **PRE-EMERGENT APPLICATION**

Apply SHARDA RIMSULFURON 25% WDG Herbicide at 60 grams/ha as a broadcast spray, before crop or weed emergence (for weeds listed below). Pre-emergent application of SHARDA RIMSULFURON 25% WDG Herbicide will control the following weeds:

Barnyard Grass  
Green Foxtail  
Large (Hairy) Crabgrass†  
Yellow Foxtail†

†Suppression only. 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.

#### **POST-EMERGENT APPLICATION**

Apply SHARDA RIMSULFURON 25% WDG Herbicide at 60 grams/ha as a broadcast spray, with a recommended surfactant to corn and weeds according to the following chart:

#### **POST-EMERGENT RATES AND TIMING**



CROP OR WEED	LEAF STAGING AT APPLICATION
Corn	spike-3 leaves (2 visible collars or 20 cm in height - leaf extended) See diagram below.
Annual Grasses	1-4 leaves (up to early tillering)
Quackgrass	Apply to actively growing shoots in the 3 to 6 leaf (< 25 cm leaf extended) stage.
Redroot Pigweed and Lamb's-quarters	2-4 leaves (5 - 10 cm tall or across)

#### CORN LEAF STAGING (diagram of 3 leaf corn)

Apply SHARDA RIMSULFURON 25% WDG Herbicide from the spike to 3 leaf stage (2 visible collars or 20 cm in height - leaf extended).

The coleoptile (short, blunt leaf) is counted as the first leaf. A corn leaf is counted as a full leaf when the next leaf is visible in the corn whorl.

If using SHARDA RIMSULFURON 25% WDG Herbicide with a tank mix partner, refer to the section on TANK MIX INSTRUCTIONS below for correct timing.

#### WEEDS CONTROLLED BY 60 GRAMS PER HECTARE

Barnyard Grass  
 Fall Panicum  
 Old Witchgrass  
 Lambs-quarters†  
 Redroot Pigweed (including triazine resistant)  
 Quackgrass<sup>1</sup>  
 Yellow Foxtail†  
 Green Foxtail

† Suppression only. 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.

#### SPECIFIC WEED CONTROL RECOMMENDATIONS

<sup>1</sup>Quackgrass - Apply SHARDA RIMSULFURON 25% WDG Herbicide with a recommended surfactant postemergence when the majority of the quackgrass shoots are actively growing and in the 3 to 6 leaf stage (< 25 cm - leaf extended). Application to quackgrass prior to the 3 to 6 leaf stage may result in reduced weed control since the majority of shoots may not have emerged.

NOTE: Annual grasses and pigweed are most sensitive when small and actively growing.

#### TANK MIX INSTRUCTIONS FOR USE IN EASTERN CANADA ONLY

##### GENERAL INFORMATION

If the correct leaf stage of annual grasses or quackgrass does not coincide with the correct leaf stage of broadleaf weeds, separate applications of SHARDA RIMSULFURON 25% WDG Herbicide and the broadleaf herbicide tankmix partner(s) are required. Refer to the broadleaf herbicide tank mix partner(s) labels for the correct timing and rates for use on their own.

SHARDA RIMSULFURON 25% WDG Herbicide alone or in a tank mixture, must not be applied after the 3-leaf stage (2 visible collars or 20 cm in height - leaf extended) of corn.

**SHARDA RIMSULFURON 25% WDG Herbicide + BANVEL Herbicide**

SHARDA RIMSULFURON 25% WDG Herbicide may be tank mixed with BANVEL Herbicide to control annual grasses, quackgrass and many broadleaf weeds. Tank mix 60 grams/ha of SHARDA RIMSULFURON 25% WDG Herbicide and 625 mL/ha of BANVEL Herbicide with a non-ionic surfactant at 0.2% v/v (2 L/1000 L) and apply post-emergence to corn from spike up to the 3 leaf stage (2 visible collars or 20 cm in height – leaf extended). This tank mixture will control the weeds as listed for control by SHARDA RIMSULFURON 25% WDG Herbicide alone, plus the weeds listed on the BANVEL Herbicide label. Refer to the "SHARDA RIMSULFURON 25% WDG HERBICIDE USED ALONE" section of this label for more application instructions and restrictions on the use of SHARDA RIMSULFURON 25% WDG Herbicide. Refer to the BANVEL® Herbicide label for weeds controlled by BANVEL Herbicide and consult the label for additional application instructions and use precautions.

**SHARDA RIMSULFURON 25% WDG Herbicide + DUAL II MAGNUM Herbicide + one of BANVEL II Herbicide (Dicamba 480 g/L) or BANVEL DRY Herbicide (Dicamba 70%)**

SHARDA RIMSULFURON 25% WDG Herbicide may be tank mixed with DUAL II MAGNUM Herbicide + either one of BANVEL II Herbicide (Dicamba 480 g/L) or BANVEL Dry Herbicide (Dicamba 70%) to control annual grasses and many broadleaf weeds.

For pre-emergent application, tank mix 60 grams/ha of SHARDA RIMSULFURON 25% WDG Herbicide and 0.75 L/ha of DUAL II MAGNUM Herbicide and either 0.75 L/ha of BANVEL II Herbicide (Dicamba 480 g/L) or 514 g/ha of BANVEL Dry Herbicide (Dicamba 70%).

For post-emergent application, tank mix 50 grams/ha of SHARDA RIMSULFURON 25% WDG Herbicide and 0.625 L/ha of DUAL II MAGNUM™ Herbicide and either 0.625 L/ha of BANVEL II Herbicide (Dicamba 480 g/L) or 429 g/ha of BANVEL Dry Herbicide (Dicamba 70%).with a non-ionic surfactant, either Citowett Plus, Agral 90 or Ag-Surf, at 0.2% v/v (2 L/1000 L of spray solution). Apply up to the 3-leaf stage (2 visible collars or 20 cm in height - leaf extended).

This tank mixture will control the weeds listed below:

Application Timing	Grass Species	Broadleaf Species	
Pre-emergence SHARDA RIMSULFURON 25% WDG Herbicide @ 60 g/ha + DUAL II MAGNUM Herbicide @ 0.75 L/ha + BANVEL II (dicamba 480 g/L) Herbicide @ 0.75 L/ha, or BANVEL Dry (dicamba 70%) Herbicide @514 g/ha	Green Foxtail Large (hairy) Crabgrass Smooth Crabgrass Fall Panicum Yellow Foxtail† Quackgrass† <sup>2</sup>	Redroot Pigweed Lamb’s Quarters Common Ragweed Eastern Black Nightshade Lady’s-Thumb	
Post-emergence  (up to 3-leaf stage for corn)  SHARDA RIMSULFURON 25% WDG Herbicide @ 50 g/ha +	Large (Hairy) Crabgrass Yellow Foxtail  Green Foxtail  Barnyard Grass	Tartary Buckwheat  Wild Buckwheat  Cleavers  Cow Cockle	Wild Mustard  Wormseed Mustard Eastern Black Nightshade Redroot Pigweed

DUAL II MAGNUM Herbicide @ 0.625 L/ha +  BANVEL II (dicamba 480 g/L) Herbicide @ 0.625 L/ha,  or BANVEL Dry (dicamba 70%) Herbicide @ 429 g/ha	Fall Panicum Old Witchgrass Quackgrass† <sup>2</sup>	Corn Spurry Lady's Thumb Lamb's Quarters Hare's-ear Mustard  Indian Mustard Tumble Mustard	Common Ragweed False Ragweed Giant Ragweed Green Smartweed  Velvetleaf Russian Pigweed
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† Suppression only. 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.

<sup>2</sup>This tank mixture will provide season-long suppression\* of Quackgrass. Apply when quackgrass is in the 1-6 leaf stage.

Consult the DUAL II MAGNUM and BANVEL II (Dicamba 480 g/L) Herbicide labels for additional use precautions, application instructions and cropping restrictions. Refer to the "SHARDA RIMSULFURON 25% WDG HERBICIDE USED ALONE" section of this label for more application instructions and restrictions on the use of SHARDA RIMSULFURON 25% WDG Herbicide.

**SHARDA RIMSULFURON 25% WDG HERBICIDE + DUAL II MAGNUM + one of BANVEL II Herbicide or BANVEL DRY Herbicide (Dicamba 70%) WITH 28% UAN SOLUTION AS A CARRIER.**

Apply SHARDA RIMSULFURON 25% WDG Herbicide at 60 grams per hectare, with Dual II Magnum at 0.75 L per hectare and either one of Banvel II Herbicide at 0.75 L/ha or BANVEL Dry Herbicide at 514 g/ha, in 400 L/ha of 28 % Urea Ammonium Nitrate solution. This treatment must be applied preemergence to the corn crop to control:

- Redroot Pigweed
- Lamb's Quarters
- Common Ragweed
- Large (Hairy) Crabgrass
- Yellow Foxtail †
- Green Foxtail

† Suppression only. 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.

Consult the DUAL II MAGNUM™ and BANVEL II (Dicamba 480 g/L) or BANVEL Dry (dicamba 70%) Herbicide labels for additional use precautions, application instructions and cropping restrictions.

**SHARDA RIMSULFURON 25% WDG Herbicide + DUAL II MAGNUM Herbicide + Callisto 480SC Herbicide**

For post-emergent application, tank-mix 50 grams/ha of SHARDA RIMSULFURON 25% WDG Herbicide and 0.625 L/ha of DUAL II MAGNUM™ Herbicide and 0.21 L/ha of Callisto 480SC Herbicide with a non-ionic surfactant at 0.2% v/v (2 L/1000 L of spray solution). Apply up to the 3-leaf stage (2 visible collars or 20 cm in height – leaf extended).

This tank mixture will control the weeds listed below:

Grass Species	Broadleaf Species
Large (hairy) Crabgrass	Redroot pigweed
Yellow Foxtail	Eastern black nightshade
Green Foxtail	Common ragweed*
Barnyard Grass	Lamb's quarters
Fall Panicum	Velvetleaf
Old Witchgrass	
Quackgrass†	

† season-long suppression at 1-6 leaf stage

\* Suppression

Refer to the "SHARDA RIMSULFURON 25% WDG HERBICIDE USED ALONE" section of this label for more application instructions and restrictions on the use of SHARDA RIMSULFURON 25% WDG Herbicide. Consult the DUAL II MAGNUM™ and Callisto 480SC Herbicide labels for additional use precautions, weed staging, application instructions and cropping restrictions.

**SHARDA RIMSULFURON 25% WDG Herbicide + GLYPHOSATE Herbicide in Glyphosate Tolerant Corn:**

For residual control of green foxtail, redroot pigweed and fall panicum and suppression of lamb's quarters, apply SHARDA RIMSULFURON 25% WDG Herbicide at 50 grams per hectare plus glyphosate (present as potassium salt, isopropylamine salt, or di-ammonium salt) at 900 g ae/ha. Apply when corn is in the spike to 6-leaf stage. This tank-mix will provide residual control until crop canopy closure. USE THIS TANK MIXTURE ONLY ON GLYPHOSATE TOLERANT CORN. Consult the respective glyphosate herbicide label for use precautions and other weeds controlled by the glyphosate herbicide.

**SHARDA RIMSULFURON 25% WDG Herbicide + GLYPHOSATE Herbicide + Atrazine in Glyphosate Tolerant Corn:**

For residual control of lamb's-quarters, apply SHARDA RIMSULFURON 25% WDG Herbicide at 50 grams per hectare plus glyphosate (present as potassium salt, isopropylamine salt, or di-ammonium salt) at 900 g ae/ha plus an approved atrazine herbicide from the table below. Apply when corn is in the spike to 6-leaf stage. This tank mix will provide residual control until crop canopy closure. USE THIS TANK MIXTURE ONLY ON GLYPHOSATE TOLERANT CORN. Consult the respective glyphosate herbicide and atrazine herbicide labels for use precautions and other weeds controlled by the glyphosate and atrazine herbicide.

Approved Atrazine	Rate
Aatrex Liquid 480 Herbicide	1.04 L/ha

**SHARDA RIMSULFURON 25% WDG Herbicide + MARKSMAN Herbicide:**

SHARDA RIMSULFURON 25% WDG Herbicide may be tank mixed with MARKSMAN Herbicide to control annual grasses, quackgrass and many broadleaf weeds. Tank mix 60 grams/ha of SHARDA RIMSULFURON 25% WDG Herbicide and 2.5 L/ha of MARKSMAN Herbicide with a non-ionic surfactant at 0.2% v/v (2 L/1000 L) and apply post-emergence to corn from the spike to 3 leaf stage (2 visible collars or 20 cm in height - leaf extended) when annual grassy weeds are in the 1 to 4 leaf stage, quackgrass is in the 3 to 6 leaf stage (<25 cm leaf extended) and broadleaf weeds are in the 2 to 4 leaf stage (see previous table on "POST-EMERGENT RATES AND TIMING"). This tank mixture will control the weeds as listed for control by SHARDA RIMSULFURON 25% WDG Herbicide alone, plus:

Yellow Foxtail

Lady's Thumb  
Velvetleaf  
Eastern Black Nightshade  
Ragweed  
Lamb's Quarters

Refer to the "SHARDA RIMSULFURON 25% WDG HERBICIDE USED ALONE" section of this label for more application instructions and restrictions on the use of SHARDA RIMSULFURON 25% WDG Herbicide. Consult the MARKSMAN Herbicide label for additional application instructions and use precautions.

#### **SHARDA RIMSULFURON 25% WDG Herbicide + PROWL Herbicide**

SHARDA RIMSULFURON 25% WDG Herbicide may be tank mixed with PROWL Herbicide to control annual grasses and some broadleaf weeds. Tank mix 50 grams/ha of SHARDA RIMSULFURON 25% WDG Herbicide and 2.5 L/ha of PROWL Herbicide with a non-ionic surfactant at 0.2% v/v (2 L/1000 L) and apply postemergence to corn from the spike to 3 leaf stage (2 visible collars or 20 cm in height - leaf extended).

This tank mixture will control the annual weeds as listed for control by SHARDA RIMSULFURON 25% WDG Herbicide alone plus the following:

Yellow Foxtail  
Crabgrass

Refer to the "SHARDA RIMSULFURON 25% WDG HERBICIDE USED ALONE" section of the label for more application instructions and restrictions on the use of SHARDA RIMSULFURON 25% WDG Herbicide. Consult the PROWL Herbicide label for additional application instructions, use precautions and cropping restrictions. If adequate rainfall is not received within 7-10 days after application, a shallow inter-row cultivation may be required for activation of PROWL Herbicide. If adequate rainfall is not received and inter-row cultivation is not performed, weed control may be reduced.

#### **SHARDA RIMSULFURON 25% WDG HERBICIDE + PROWL HERBICIDE + BANVEL HERBICIDE**

SHARDA RIMSULFURON 25% WDG Herbicide may be tank mixed with PROWL Herbicide and BANVEL Herbicide to control annual grasses and many broadleaf weeds. Tank mix 50 grams/ha of SHARDA RIMSULFURON 25% WDG Herbicide and 2.5 L/ha of PROWL Herbicide and 625 mL/ha of BANVEL Herbicide with a non-ionic surfactant at 0.2% v/v (2 L/1000 L) and apply post-emergence to corn from the spike up to the 3 leaf stage (2 visible collars or 20 cm in height - leaf extended).

This tank mixture will control the weeds as listed for control by the SHARDA RIMSULFURON 25% WDG HERBICIDE + PROWL Herbicide tank mix, the weeds listed on the BANVEL Herbicide label (at the 625 mL/ha use rate), plus the following:

Yellow Foxtail  
Crabgrass  
Eastern Black Nightshade

Consult the BANVEL Herbicide label for weeds controlled, and additional use precautions. Refer to the "SHARDA RIMSULFURON 25% WDG HERBICIDE USED ALONE" section of this label for more application instructions and restrictions on the use of SHARDA RIMSULFURON 25% WDG Herbicide. Consult the PROWL Herbicide label for additional application instructions, use precautions, and cropping restrictions. If adequate rainfall is not received within 7-10 days after

application, a shallow inter-row cultivation may be required for activation of PROWL Herbicide. If adequate rainfall is not received and inter-row cultivation is not performed, weed control may be reduced.

**PRE-EMERGENT APPLICATION IN OPTIMUM GAT SOYBEANS (EASTERN CANADA AND THE RED RIVER VALLEY REGION OF MANITOBA)**

SHARDA RIMSULFURON 25% WDG Herbicide is recommended for selective weed control in Optimum GAT soybean varieties. Optimum GAT soybean varieties are tolerant of glyphosate and rimsulfuron, the active ingredient in SHARDA RIMSULFURON 25% WDG Herbicide. Always use pedigreed (i.e. certified) Optimum GAT soybean varieties. Soybeans which are not designated as Optimum GAT may be damaged or destroyed by this treatment.

Apply SHARDA RIMSULFURON 25% WDG Herbicide at 60 grams/ha as a broadcast spray, before crop or weed emergence (for weeds listed below). Pre-emergent application of SHARDA RIMSULFURON 25% WDG Herbicide will control the following weeds:

- Barnyard Grass
- Large (Hairy) Crabgrass†
- Green Foxtail
- Yellow Foxtail†

†Suppression only. 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.

**POTATOES**

Make only one application per year to potatoes.

PHI: 30 days before harvest.

**RATES AND TIMING:**

Apply 60 grams/ha of SHARDA RIMSULFURON 25% WDG Herbicide as a broadcast spray, with a recommended surfactant, to potatoes prior to initiation of flowering.

Apply to weeds according to the leaf staging in the chart below:

WEED	LEAF STAGING AT APPLICATION
Annual grasses	1 to 6 leaf stage (up to early tillering, –two 2-leaf tillers)
Quackgrass	Apply to actively growing shoots in the 3 to 6 leaf (< 25 cm leaf extended) stage
Lamb's-quarters, Redroot Pigweed	4 to 6 leaf stage (< 10 cm tall or =across)

Application to control ANNUAL GRASSES and QUACKGRASS must be made before the crop canopy can interfere with spray coverage of the target weeds.

Cultivation is NOT recommended within 7-10 days prior to or after application of SHARDA RIMSULFURON 25% WDG Herbicide.

**WEEDS CONTROLLED AT 60 GRAMS PER HECTARE:**

- Barnyard Grass

Fall Panicum  
Green Foxtail  
Lamb's-Quarters†  
Redroot Pigweed  
Quackgrass<sup>1</sup>  
Yellow Foxtail<sup>2</sup>  
Witchgrass

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

NOTE: Weeds which emerge after application of SHARDA RIMSULFURON 25% WDG Herbicide will not be controlled. Application should be made when the majority of weeds have emerged.

Annual grass and broadleaf weeds are most sensitive when small and actively growing.

Early crop establishment and a good crop stand are important in providing competition for weeds and effective postemergence control of quackgrass and annual weeds when using SHARDA RIMSULFURON 25% WDG Herbicide.

#### **Specific Weed Control Recommendations:**

<sup>1</sup>Quackgrass - Apply SHARDA RIMSULFURON 25% WDG Herbicide with a recommended surfactant postemergence when the majority of the quackgrass shoots are actively growing and in the 3 to 6 leaf stage (<25cm - leaf extended). Annual grasses not emerged at the time of SHARDA RIMSULFURON 25% WDG Herbicide application to quackgrass will not be controlled. Application to quackgrass prior to the 3 to 6 leaf stage may result in reduced weed control since the majority of shoots may not have emerged.

<sup>2</sup>Yellow foxtail present at the time of SHARDA RIMSULFURON 25% WDG Herbicide application will be controlled. Any yellow foxtail emerging after application will not be controlled.

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

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

#### **FOR USE ON FIELD CORN IN THE RED RIVER VALLEY REGION OF MANITOBA FOR THE CONTROL OF ANNUAL GRASSES AND BROADLEAF WEEDS**

#### **SHARDA RIMSULFURON 25% WDG Herbicide + DUAL II MAGNUM Herbicide + BANVEL II Herbicide (Dicamba 480 g/L)**

SHARDA RIMSULFURON 25% WDG Herbicide may be tank mixed with DUAL II MAGNUM Herbicide + BANVEL II Herbicide (Dicamba 480 g/L) to control annual grasses and many broadleaf weeds.

For pre-emergent application, tank mix 60 grams/ha of SHARDA RIMSULFURON 25% WDG Herbicide and 0.75 L/ha of DUAL II MAGNUM Herbicide and 0.75 L/ha of BANVEL II Herbicide (Dicamba 480 g/L). For post-emergent application, tank mix 50 grams/ha of SHARDA RIMSULFURON 25% WDG Herbicide and 0.625 L/ha of DUAL II MAGNUM Herbicide and 0.625 L/ha of BANVEL II Herbicide (Dicamba 480 g/L) with a non-ionic surfactant either Citowett Plus, Agral 90 or Ag-Surf, at 0.2% v/v (2 L/1000 L of spray solution). Apply up to the 3-leaf stage (2 visible collars or 20 cm in height - leaf extended). Read and follow the section of the label entitled "CORN HYBRID SENSITIVITY" when considering a post-emergent application.

This tank mixture will control or suppress the weeds listed for this tank mix in the "TANK MIX INSTRUCTIONS FOR USE IN EASTERN CANADA ONLY" section of this label.

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.

Consult the DUAL II MAGNUM and BANVEL II (Dicamba 480 g/L) Herbicide labels for additional use precautions, application instructions and cropping restrictions. Refer to the "SHARDA RIMSULFURON 25% WDG HERBICIDE USED ALONE" section of this label for more application instructions and restrictions on the use of SHARDA RIMSULFURON 25% WDG Herbicide.

Field corn, winter wheat and spring barley may be planted the year following application of SHARDA RIMSULFURON 25% WDG Herbicide. For all other crops, a field bioassay is recommended before planting. SHARDA RIMSULFURON 25% WDG Herbicide is more persistent in sandy soils, with low organic matter and pH 7 or higher. For these types of soils, a field bioassay is recommended before planting. Please contact your local Sharda Cropchem Limited representative for more information.

Rain is required within 10 days of application or a shallow cultivation or use of a rotary hoe is necessary.

**FOR USE ON IRRIGATED POTATOES IN WESTERN CANADA (MB, SK, AB AND BC)**

Apply 60 grams/ha of SHARDA RIMSULFURON 25% WDG Herbicide as a postemergent broadcast spray, with a recommended non-ionic surfactant, to potatoes prior to initiation of flowering. Apply after crop emergence, to young actively growing annual grasses and broadleaf weeds listed in this booklet.

Make only one application per growing season.

PHI: 30 days before harvest.

For additional application and recropping instructions and/or use precautions, see appropriate headings within this booklet.

NOTE: Annual grass and broadleaf weeds are most sensitive when small and actively growing (2.5 cm in height/diameter).

**TOMATOES**

Make only one application per year to tomatoes.

**TRANSPLANTED PROCESSING TOMATOES:**

Apply SHARDA RIMSULFURON 25% WDG Herbicide at a rate of 60 grams/hectare + 0.2% v/v non-ionic surfactant (CITOWETT PLUS, AGRAL 90 OR AG-SURF) to transplanted processing tomatoes.



Weeds controlled or suppressed include all weeds listed on the SHARDA RIMSULFURON 25% WDG Herbicide label plus hairy nightshade.

NOTE: SHARDA RIMSULFURON 25% WDG Herbicide may be applied up to the 4 leaf stage of hairy nightshade.

Weeds which emerge after application of SHARDA RIMSULFURON 25% WDG Herbicide will not be controlled. Application should be made when the majority of weeds have emerged.

Early crop establishment and a good crop stand are important in providing competition for weeds and effective postemergence control of quackgrass and annual weeds when using SHARDA RIMSULFURON 25% WDG Herbicide.

Apply only one application of SHARDA RIMSULFURON 25% WDG Herbicide per year with ground equipment. Do not harvest crop within 30 days of treatment. Refer to the appropriate sections of this label for recropping information, and for additional application instructions, specific weed recommendations, mixing instructions and/or use precautions.

**FOR USE ON FRESH MARKET FIELD TOMATOES**

For control of hairy nightshade in fresh market field tomatoes, apply SHARDA RIMSULFURON 25% WDG Herbicide at a rate of 60 grams/hectare + 0.2% v/v non-ionic surfactant (CITOWETT PLUS, AGRAL 90 or AG-SURF).

Weeds which emerge after application of SHARDA RIMSULFURON 25% WDG Herbicide will not be controlled. Application should be made when the majority of weeds have emerged.

Apply only one application of SHARDA RIMSULFURON 25% WDG Herbicide per year with ground equipment. Do not harvest crop within 30 days of treatment. Refer to the appropriate sections of the label for recropping information, and for additional application instructions, specific weed recommendations and/or use precautions.

**TANK MIX INSTRUCTIONS FOR SHARDA RIMSULFURON 25% WDG Herbicide + PINNACLE TOSS-N-GO HERBICIDE FOR USE ON PROCESSING FIELD TOMATOES ONLY**

**SHARDA RIMSULFURON 25% WDG Herbicide 25% Dry Flowable (60 g/ha) + PINNACLE 75 Toss-N-Go Herbicide (5.5 g/ha)**

This tank mixture controls the following weeds:

Red Root Pigweed  
Wild Mustard  
Lady's Thumb  
Green Foxtail  
Fall Panicum  
Barnyard grass  
Hairy Nightshade  
Lamb's-quarters†

†Suppression only

**SHARDA RIMSULFURON 25% WDG Herbicide 25% Dry Flowable (60 g/ha) + PINNACLE 75 Toss-N-Go Herbicide (8 g/ha)**

This tank mixture controls the following weeds:  
Weeds listed above plus Lamb's-quarters and Velvetleaf.

Tank mix SHARDA RIMSULFURON 25% WDG Herbicide (60 g/ha) and PINNACLE 75 Toss-N-Go Herbicide (5.5 g/ha or 8 g/ha) and apply as a single post-emergent spray using ground application only. Apply to weeds up to 10 cm or 21 days after transplanting. Use with a non-ionic surfactant, Agral 90 at 0.2% v/v. Use a Spray Volume of 200 L/ha. Do not harvest crop within 45 days of treatment. Refer to the appropriate sections of the SHARDA RIMSULFURON 25% WDG Herbicide 25% Dry Flowable and PINNACLE 75 Toss-N-Go Herbicide labels for recropping information, and for additional application instructions, specific weed recommendations and/or use precautions.

#### **FIELD TOMATOES:**

For control of triazine resistant lambs quarters, hairy nightshade plus other broadleaf weeds listed on the SHARDA RIMSULFURON 25% WDG Herbicide label, apply SHARDA RIMSULFURON 25% WDG Herbicide as a single post-emergent spray at a rate of 140 grams/hectare + 0.2% v/v non-ionic surfactant (AGRAL 90) to field tomatoes, at least 21 days after transplanting the crop.

Weeds which emerge after application of SHARDA RIMSULFURON 25% WDG Herbicide will not be controlled. Application should be made when the majority of weeds have emerged.

Use ground equipment only. Use in a minimum of 200 litres of water/ha.

Do not harvest crop within 30 days of treatment

#### **FOR USE ON Highbush Blueberries**

For control/suppression of weeds listed on the SHARDA RIMSULFURON 25% WDG Herbicide, make a single application early postemergence to actively growing weeds at a rate of 60 g/ha plus a recommended non-ionic surfactant such as CITOWETT PLUS, AGRAL 90, or AG-SURF at 2 L per 1000 L spray solution (0.2 % v/v). Use a directed spray application adjusted to provide complete coverage of the weeds while minimizing the amount of spray coming into contact with the blueberry plants.

When applied as a banded treatment (50% band or less), SHARDA RIMSULFURON 25% WDG Herbicide may be applied twice per year. However, do not apply more than 60 grams per hectare on a broadcast application basis per year.

Use on highbush blueberries that have gone through at least one growing season and are in good health and vigor.

Use ground equipment only. Use a minimum of 100 litres of water/ha (recommended spray volume of 140-190 L/ha).

Do not apply within 21 days of harvest.

Refer to the appropriate sections of the SHARDA RIMSULFURON 25% WDG Herbicide booklet for a complete list of weeds, their stages of control, as well as additional application and/or use precautions instructions, and/or mixing instructions.

#### **MIXING INSTRUCTIONS**

MIXING INSTRUCTIONS FOR SHARDA RIMSULFURON 25% WDG HERBICIDE + DUAL II MAGNUM + EITHER BANVEL II OR BANVEL DRY WITH 28% UAN SOLUTION AS A CARRIER:

1. Mix the required amount of SHARDA RIMSULFURON 25% WDG Herbicide in sufficient water in a bucket to prepare a slurry.
2. Fill sprayer tank about half full with 28% UAN solution and turn on agitator.

3. Slowly add the SHARDA RIMSULFURON 25% WDG Herbicide slurry to the sprayer tank, while continuing agitation.
4. After SHARDA RIMSULFURON 25% WDG Herbicide has been well mixed and is in suspension, add the required amount of Dual II Magnum and Banvel II or BANVEL Dry.
5. Add the remaining 28 % UAN solution with the agitator running.
6. A surfactant is not required for this treatment.

On repeat tank loads, ensure that the amount of spray solution left in the tank from the previous load is less than 10% of the volume about to be mixed.

Agitation is required for uniform mixing and application. Use spray preparation of SHARDA RIMSULFURON 25% WDG Herbicide within 24 hours or product degradation may occur resulting in a loss of weed control. Use vigorous agitation to thoroughly disperse spray mixtures that have been allowed to stand in the tank.

#### MIXING INSTRUCTIONS FOR ALL OTHER TANK MIXES:

1. Fill clean tank about 1/4 full with fresh water.
2. Turn on full agitation.
3. Add the proper amount of SHARDA RIMSULFURON 25% WDG Herbicide to the water in the spray tank with the agitator running. Maintain full agitation until product is fully dispersed. Continuous agitation is required to keep the product in suspension.
4. After SHARDA RIMSULFURON 25% WDG Herbicide has been well mixed and is in suspension, add the proper amount (if applicable) of the tank mix partner to the spray tank with the agitator running.
5. After SHARDA RIMSULFURON 25% WDG Herbicide (and tank mixed herbicide if applicable) has been well mixed and is in suspension, add a recommended non-ionic surfactant such as CITOWETT PLUS, AGRAL 90, or AG-SURF at 2 L per 1000 L spray solution (0.2 % v/v).
6. Fill the remainder of the spray tank.

On repeat tank loads, ensure that the amount of spray solution left in the tank from the previous load is less than 10% of the volume about to be mixed.

Agitation is required for uniform mixing and application. The optimum water volume for SHARDA RIMSULFURON 25% WDG Herbicide application is 140 - 190 litres of water per hectare (minimum of 100 litres of water per hectare). Use a spray pressure of 175 - 275 kPa. Flat fan nozzles are recommended. Use 50 mesh filter screens or larger. Use spray preparation of SHARDA RIMSULFURON 25% WDG Herbicide within 24 hours or product degradation may occur resulting in a loss of weed control. Use vigorous agitation to thoroughly disperse spray mixtures that have been allowed to stand in the tank.

**NOTE:** SHARDA RIMSULFURON 25% WDG Herbicide will degrade in acidic or highly alkaline water. Mix no more than can be used in one day. If spraying is interrupted, thoroughly re-agitate the spray mixture before resuming spraying.

#### **SPRAYER CLEANUP**

To avoid subsequent injury to desirable crops, thoroughly clean all mixing and spray equipment immediately following applications of SHARDA RIMSULFURON 25% WDG Herbicide as follows:

1. Drain tank; thoroughly hose down the interior surfaces of the tank; then flush tank, boom and hoses with clean water for a minimum of 5 minutes.
2. Fill the tank with clean water while adding one litre of household ammonia (containing a minimum of 3% ammonia) for every 100 litres of water. Flush the hoses, boom and nozzles with the cleaning solution and then add more water to completely fill the tank. Circulate the cleaning solution through the tank and hoses for at least 15 minutes. Again flush the hoses, boom and nozzles with the cleaning solution and then drain the 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 the water through the hoses and boom.
6. PRIOR to using the sprayer for the next application, flush the tank, boom and hoses for 5 minutes with fresh water.

**CAUTION:** DO NOT mix 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 OF INSECTICIDES**

For maximum crop safety, SHARDA RIMSULFURON 25% WDG Herbicide should be applied only to corn which has NOT been treated with a highly systemic organophosphorus soil insecticide, such as COUNTER, THIMET, or DI-SYSTON. Application of SHARDA RIMSULFURON 25% WDG Herbicide to corn previously treated with FORCE (pyrethroid) or FURADAN (carbamate) Insecticide will allow maximum crop safety. DO NOT tank mix SHARDA RIMSULFURON 25% WDG Herbicide with any organophosphorus insecticide. DO NOT apply a foliar organophosphorus insecticide within 7 days before or after applying SHARDA RIMSULFURON 25% WDG Herbicide.

### **REPLANTING TO OTHER CROPS**

SHARDA RIMSULFURON 25% WDG Herbicide is degraded by natural soil processes, and field tests have shown that the following crops may safely be planted at the prescribed interval following corn that has been treated with SHARDA RIMSULFURON 25% WDG Herbicide.

CROP	REPLANTING INTERVAL
Winter Wheat	4 months
Spring Barley, Canola, Soybeans, White Beans, Red Clover, Sorghum, Field Corn, and Potatoes	10 months

For other crops, a field bioassay is recommended before planting. A successful field bioassay means growing to maturity a test strip of the crop(s) intended for production the following year.

#### **FIELD BIOASSAY**

Select a representative area or areas of the field previously treated with SHARDA RIMSULFURON 25% WDG 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 SHARDA RIMSULFURON 25% WDG Herbicide to use as a comparison.

As the crop(s) emerges and grows, examine these key points in SHARDA RIMSULFURON 25% WDG Herbicide treated and non-treated areas:

crop stand  
plant colour and vigour  
root development  
rate of growth  
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 SHARDA RIMSULFURON 25% WDG 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.

### **USE PRECAUTIONS**

Do not apply SHARDA RIMSULFURON 25% WDG Herbicide during periods of intense rainfall or to soils saturated with water. Do not apply directly to standing or running water. Do not apply in areas where surface water from the treatment site can run off to adjacent cropland, either planted or to be planted, or into streams, irrigation water or wells. Applications should only be made when there is no hazard of spray drift contaminating non-target land areas since very small quantities of the SHARDA RIMSULFURON 25% WDG Herbicide spray solution may severely injure susceptible crops during both growing and dormant periods.

Application of SHARDA RIMSULFURON 25% WDG Herbicide to potatoes may result in TEMPORARY foliar symptoms (discolouration of younger leaves and pinching of the terminal leaf) that may be confused with symptoms of a viral disease. Early application timing may reduce the likelihood of foliar symptoms.

Because potato varieties differ in their tolerance to herbicides, limit the first use of Sharda Rimsulfuron 25% WDG to a small area of each variety prior to adoption as a field practice.

As with any herbicide, overlaps or starting, stopping, slowing and turning while spraying may result in crop injury.

Crop injury may result if application is made to corn that has been stressed by abnormally hot, humid or cold weather conditions, frost, low fertility, drought, water saturated soil, compacted soil, previous pesticide applications, disease or insect damage.

Under extreme weather conditions, such as hot, dry weather, excessive moisture, or frost, weed control may be reduced.

Rainfall within 2 to 4 hours after application of SHARDA RIMSULFURON 25% WDG Herbicide may reduce weed control.

Because corn hybrids differ in their tolerance to herbicides, limit first use of SHARDA RIMSULFURON 25% WDG Herbicide to a small area of each hybrid prior to adoption as a field practice.

Overspray or drift to important wildlife habitats such as ponds, wetlands, streams, woodlots and shelterbelts should be avoided. Leave a 10 metre buffer zone between the last spray swath and bodies of water or wetlands. Leave a 5 metre buffer zone between the last spray swath and the terrestrial habitats listed above.

SHARDA RIMSULFURON 25% WDG Herbicide must not be applied to field corn within 30 days of harvest.

CAUTION: Do not graze the treated field corn or soybeans or cut for hay; sufficient data are not available to support such use.

Do not enter or allow others to enter treated areas during the restricted entry interval of 12 hours after application.

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

For resistance management, SHARDA RIMSULFURON 25% WDG Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to SHARDA RIMSULFURON 25% WDG 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 SHARDA RIMSULFURON 25% WDG Herbicide or other Group 2 herbicides within a growing season or among growing seasons 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. 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 treated 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 and planting clean seed.
- Have suspected resistance 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 your local Sharda Cropchem Limited representative or call 1-844-810-5720.

#### **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.

To prevent contamination store this product away from food or feed.

#### **DISPOSAL**

1. Make the empty container unsuitable for further use.
2. Dispose of the container in accordance with provincial requirements.
3. 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.