

# SWIPE HERBICIDE

Emulsifiable Selective Weedkiller

GROUP	4	6	HERBICIDES
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For use in  
**SPRING WHEAT, DURUM WHEAT, WINTER WHEAT AND BARLEY**

**AGRICULTURAL**

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

**WARNING**



**POISON**

**EYE IRRITANT**

**KEEP OUT OF REACH OF CHILDREN**

REGISTRATION NO. 34380

PEST CONTROL PRODUCTS ACT

ACTIVE INGREDIENT:

Bromoxynil (present as mixed octanoate and heptanoate esters)..... 280 g/L

2,4-D (present as 2-ethylhexyl ester). .. 280 g/L

**Sharda Cropchem Limited**

2nd Floor, Prime Business  
Park

Dashrathlal Joshi Road Vile  
Parle (West)

Mumbai - 400056, India

**Canadian Agent:**

**Sharda Cropchem Limited**

63 Kingsview Blvd

Etobicoke, Ontario, CA

M9R 1V1

1-844-810-5720

1-416-840-5639

**In case of spills, poisoning or fire, telephone emergency response  
number 1-613-996-6666 (24 hours a day).**

**NET CONTENTS: [1 L – 250 L]**

**PRECAUTIONS:**

HARMFUL OR FATAL IF SWALLOWED.

MAY IRRITATE EYES. KEEP OUT OF REACH OF CHILDREN.

Avoid contact with skin, eyes and clothing. Store the container tightly closed away from seeds, feeds, fertilizer, plants and foodstuffs. Wash concentrate from skin or eyes immediately. Avoid working in spray mist. After use, wash hands and other exposed skin.

If this pest control product is to be used on a commodity that may be exported and you require information regarding Maximum Residue Limits for an importing country, please contact Sharda Cropchem Limited at 1-844-810-5720 or 1-416-840-5639.

Do not use in residential areas, which are defined as sites where bystanders may be present during or after spraying, including homes, schools, parks, playgrounds, playing fields, and public buildings. Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

When tank-mixes are permitted, read and observe all label directions, including rates and restrictions for each product used in the tank-mix. Follow the more stringent label precautionary measures for mixing, loading and applying stated on both product labels.

**PROTECTIVE CLOTHING AND EQUIPMENT:**

Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant nitrile gloves (e.g. Edmont Sol-Vex #37155/#37-145 or Pioneer A-15), socks and shoes during mixing, loading, application, clean-up and repair. In addition, wear protective eyewear (goggles or face shield) during mixing, loading, clean-up and repairs. Gloves are not required during application within a closed cab and/or cockpit.

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. The pilot is allowed to load premixed chemicals with a closed system.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

Rinse gloves before removal. For aerial application, no human flaggers are permitted.

**OPERATOR USE PRECAUTIONS:**

- Wear freshly laundered clothing and clean protective equipment daily.
- Rinse gloves before removal.
- Wash hands before eating, drinking, using tobacco or using the toilet.
- If herbicide penetrates clothing, remove immediately; then wash thoroughly and put on clean clothing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them.
- Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- After using this product, remove clothing and launder separately and promptly and thoroughly wash hands and exposed skin with soap and water. Follow manufacturer's instructions for cleaning personal protective clothing and equipment. If no such instructions for washables are provided, use detergent and hot water. Keep and wash personal protective equipment separate from household laundry.
- After work, remove all clothing and shower using soap and water.
- DO NOT enter or allow worker entry into treated areas during restricted-entry interval (REI) of 24 hours.

- DO NOT apply this product in a way that will allow product to contact workers or other persons, either directly or through drift.

**TRANSFER SYSTEM: For containers larger than 20L:** Use a transfer system that avoids open pouring when transferring the liquid concentrate from such containers into the spray tank.

#### **FIRST AID:**

Remove person from contaminated area, remove contaminated clothing. Keep patient warm, comfortable, at rest. Contact a poison control centre IMMEDIATELY. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**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 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.

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

#### **TOXICOLOGICAL INFORMATION:**

This product may cause mild irritation to the eyes. Overexposure may cause coughing, burning, dizziness or temporary loss of muscle coordination. Other possible effects of overexposure include fatigue, muscle weakness and nausea. Treat symptomatically. Medical personnel should contact Sharda Cropchem Limited at 1-844-810-5720. This product contains an aromatic hydrocarbon solvent.

#### **ENVIRONMENTAL PRECAUTIONS:**

TOXIC to small mammals, birds and non-target terrestrial plants. Toxic to aquatic organisms. Observe spray buffer zones specified under DIRECTIONS FOR USE. This product will also harm other broadleaved plants in the vicinity of the treatment area. This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment. Avoid contamination of ponds, streams, rivers and other water sources. Avoid spray drift onto crops other than those recommended.

**LEACHING:** This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**RUNOFF:** To reduce runoff from treated areas into aquatic habitats avoid application to areas with 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 water body.

**STORAGE:** Store this product away from food or feed. This SWIPE HERBICIDE formulation will solidify at temperatures below 20°C but will become usable at temperatures above 0°C. Insecticides and fungicides should be separated from herbicides so as to prevent the possibility of cross contamination. *Shake well before using.*

#### **DISPOSAL (FOR RECYCLABLE CONTAINERS)**

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.

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**DISPOSAL (FOR RETURNABLE CONTAINERS):**

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**DISPOSAL (FOR RETURNABLE-REFILLABLE CONTAINERS):**

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 cleanup of spills.

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

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It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

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protective clothing and equipment. If no such instructions for washables are provided, use detergent and hot water. Keep and wash personal protective equipment separate from household laundry.

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#### **ENVIRONMENTAL PRECAUTIONS:**

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**LEACHING:** This product demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**RUNOFF:** To reduce runoff from treated areas into aquatic habitats, avoid application to areas with 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 water body.

**STORAGE:** Store this product away from food or feed. This SWIPE HERBICIDE formulation will solidify at temperatures below 20°C but will become usable at temperatures above 0°C. Insecticides and fungicides should be separated from herbicides so as to prevent the possibility of cross contamination. *Shake well before using.*

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**DISPOSAL (FOR RETURNABLE-REFILLABLE CONTAINERS):**

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 cleanup of spills.

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

**DIRECTIONS FOR USE:**

**USE PRECAUTIONS:**

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests. Avoid spray drift to any desirable vegetation NOT listed on this label as damage may occur. Avoid contamination of ponds, streams, rivers, lakes and other water sources. Do not spray during periods of high winds when spray is likely to drift. Coarse sprays are less likely to drift. Do not spray during periods of high temperatures when crops may be under stress as damage to the crop may occur. DO NOT apply this product directly to freshwater habitats such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs 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.

**TIMING:**

For best results spray when weeds are in the seedling stage. Apply in good growing conditions. Application *must* be made before the crop shields the weeds. One application per year.

**SPRAYER:**

Wash the tank and clean all filters, screens and tips. Select nozzle tips to apply the recommended volume per hectare. Flood jet type tips are not recommended. Adjust boom height to ensure uniform coverage of the weeds. Ensure that all tips are in good condition and spraying the same volume.



**MIXING:**

Half fill the tank with clean water. Add the required amount of SWIPE HERBICIDE and agitate thoroughly. Fill the tank and agitate again before 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 S572.1) coarse classification. Boom height must be 60 cm or less above the crop or ground. For ground applications, spray at 5 to 10 kph.

**AERIAL APPLICATION:**

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rate and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment.

Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

**Use Precautions:**

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *National Aerial Pesticide Application Manual*, developed by the Federal/Provincial/Territorial Committee on Pest Management and Pesticides.

DO NOT apply during periods of dead calm. Avoid application when winds are gusty. DO NOT apply when wind speed is greater than 16 km/h at flying height at the site of application. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE S572.1) coarse classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length MUST NOT exceed 65% of the wing- or rotorspan.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other nontarget areas. Specified buffer zones should be observed.

Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

**Operator Precautions:**

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted.

It is desirable that the pilot have communication capabilities at each treatment site at the time of application.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

**Product Specific Precautions:**

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at **1-844-810-5720 OR 1-416-840-5639** or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

**Volume:** SWIPE HERBICIDE must be applied in volume rates of not less than 30 L/ha. For best results when there is a heavy crop canopy, or when the majority of the weeds are cow cockle, smartweed or pigweed, a volume rate of 40 L/ha is recommended.

**SPRAY BUFFER ZONES:**

Spot treatments using hand-held equipment do not require a spray buffer zone. Use of low-clearance hooded or shielded sprayers that prevent spray contact with crop, fruit or foliage, and soil drench or soil incorporation do not require a spray buffer zone.

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and 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		Spray Buffer Zones (metres) Required for the Protection of:				
			Freshwater Habitat of Depths:		Estuarine/Marine Habitats of Depths:		Terrestrial Habitat
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field Sprayer	All Crops		1	1	1	1	1
Aerial	Barley and Wheat	Fixed wing	20	5	1	1	55
		Rotary wing	20	3	1	1	45

The spray buffer zones for this product can be modified based on weather conditions and spray equipment configuration by accessing the Spray Buffer Zone Calculator on the Pesticides portion of the Canada.ca website.

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

**RESISTANCE-MANAGEMENT RECOMMENDATIONS:**

For resistance management, please note that SWIPE HERBICIDE is a Group 4 and 6 herbicide. Any weed population may contain or develop plants naturally resistant to SWIPE HERBICIDE and other Group 4 and 6 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 SWIPE HERBICIDE or other Group 4 and 6 herbicides within a growing season (sequence) or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted. To delay resistance,

the less resistance-prone partner should control the target weed(s) as effectively as the more resistance-prone partner.

- Herbicide use should be based on an integrated weed management program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical control methods), cultural (for example, higher crop seeding rates; precision fertilizer application method and timing to favour the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Monitor weed populations after herbicide application for signs of resistance development (for example, only one weed species on the herbicide label not controlled). If resistance is suspected, prevent weed seed production in the affected area if possible by an alternative herbicide from a different group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Have suspected resistant weed seeds tested by a qualified laboratory to confirm resistance and identify alternative herbicide options.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Sharda Cropchem Limited at 1-844-810-5720.

### **SPRING WHEAT, DURUM WHEAT, WINTER WHEAT AND BARLEY (not underseeded to legumes)**

**Spray Volume and Pressure:** For ground application, apply in 50 to 100 L of water per hectare at a pressure of 275 kPa. For aerial application, apply in a minimum of 30 L of water per hectare. For best results when there is a heavy crop canopy, or when the majority of the weeds are cow cockle, smartweed or pigweed, a volume rate of 40 L/ha is recommended.

**Timing:** Spring wheat, durum wheat, winter wheat and barley may be treated from the 4 leaf stage until the early flag leaf stage. Application before the 4 leaf stage may injure the crop.

**Application Rate:** 1 L/ha

#### **Pre-Harvest Interval:**

- Do not permit livestock to graze fields within 30 days after application.
- Do not harvest forage or cut hay within 30 days after application.
- Withdraw meat animals from treated fields at least 3 days before slaughter.

#### **WEEDS CONTROLLED:**

<b>Common Name</b>	<b>Leaf Stage*</b>
American nightshade	4 leaf
Ball mustard	4 leaf
Bluebur	4 leaf
Cocklebur	4 leaf
Common buckwheat	8 leaf
Common groundsel	8 leaf
Common ragweed	4 leaf
Cow cockle	4 leaf
Flixweed	4 leaf
Green smartweed	4 leaf
Jimsonweed	4 leaf

Kochia	5 cm high (1-12 leaf)
Lady's-thumb	4 leaf
Lamb's-quarters	8 leaf
Night-flowering catchfly	4 leaf
Pale smartweed	4 leaf
Redroot pigweed	4 leaf
Russian thistle	5 cm high (2-12 leaf)
Shepherd's purse	4 leaf
Stinkweed	8 leaf
Tartary buckwheat	8 leaf
Triazine resistant pigweed	4 leaf
Velvetleaf	8 cm high
Volunteer canola	4 leaf
Volunteer sunflower	4 leaf
Wild buckwheat	8 leaf
Wild mustard	8 leaf

\* Weeds can be controlled up to the recommended stage.

**SWIPE HERBICIDE + VARRO HERBICIDE  
(Spring Wheat, Durum Wheat and Winter Wheat)**

Follow all precautions, limitations and timing recommendations on the VARRO HERBICIDE label.

**Spray Volume and Pressure:** For ground application, apply in 50-93.5 litres of water per hectare at a pressure of 275 kPa. For aerial application, apply in a minimum water volume of 30 L/ha.

**Timing:** Spring and durum wheat may be treated from the 4 leaf stage up to the 6 leaf / 3 tiller stage and winter wheat from the 4 leaf stage to full tillering. Applications must be made prior to jointing (prior to presence of the first node on the main stem). Best weed control is achieved when application is made to species at the growth stages listed on the SWIPE HERBICIDE and VARRO HERBICIDE labels.

**Application Rate:** SWIPE HERBICIDE at 1 L/ha tank-mixed with Varro at 0.5 L/ha.

**WEEDS CONTROLLED:** As listed on the SWIPE HERBICIDE and VARRO HERBICIDE labels.