

(Sleeve)

GROUP	6	HERBICIDE
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BRUTE

HERBICIDE

CONTAINS BROMOXYNIL EMULSIFIABLE CONCENTRATE

For use in field crops of alfalfa, barley, canary seed, field and sweet corn, fall rye, flax, oats, triticale, spring and winter wheat, garlic and onion (dry bulb only) to control seedling hard-to-kill annual weeds.

COMMERCIAL

READ THE LABEL AND BOOKLET BEFORE USING

ACTIVE INGREDIENT: Bromoxynil, present as octanoate ester ... 235 g/L

REGISTRATION NUMBER 35973 PEST CONTROL PRODUCTS ACT



POISON

**DANGER: EYE AND SKIN IRRITANT
POTENTIAL SKIN SENSITIZER**

(0.25 to 250L)

Sharda Cropchem Limited
2nd Floor, Prime Business Park
Dashrathlal Joshi Road
Vile Parle (West)
Mumbai - 400056, India

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.

POTENTIAL SKIN SENSITIZER.

WARNING POISON.

May be fatal if swallowed. Harmful if inhaled. Avoid breathing dusts or sprays. Severely irritating to the eyes and skin. DO NOT get into eyes, on skin or on clothing. Store the container, tightly closed, away from seeds, fertilizer, plants and foodstuffs. Wash concentrate from skin or eyes immediately. DO NOT inhale spray mist. Avoid spray drift onto crops other than those recommended. Avoid contamination of ponds, streams, rivers and other water sources.

DO NOT eat, drink or smoke/vape while using this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum/tobacco, smoking/vaping, or using the toilet. Aircraft cockpit and vehicle cabs must be decontaminated regularly.

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.

DO NOT use in residential areas. Residential areas are defined as any use site where bystanders or the public, including children, could be exposed during or after application. This includes areas in and around homes, schools, public buildings or any other areas where they could be exposed.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

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

PERSONAL PROTECTIVE EQUIPMENT

Follow the personal protective equipment, engineering control and restriction requirements for the appropriate mixer/loader and applicator scenario as described below. These restrictions are required to minimize exposure to the worker.

Application Equipment and Engineering Controls	Personal Protective Equipment	
	Mixer/Loader / Clean-up and Repair	Applicator
Aerial	Coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes, and protective eyewear (goggles or faceshield).	Long-sleeved shirt, long pants, chemical-resistant gloves ¹ , socks and shoes.
Groundboom – Open Cab		Coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.
Groundboom – Closed Cab		Long-sleeved shirt, long pants, socks and shoes.

¹Gloves are not required during application within a closed cockpit.

If the product comes in contact with clothing/PPE, remove all contaminated clothing/PPE, wash with soap and water and dress in clean clothing. Wash the outside of gloves with soap and water before removing. Launder contaminated clothing/PPE regularly and separately from other laundry.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours unless noted below:

CROP	POST-APPLICATION ACTIVITY	REI
Garlic	Irrigation, handset	2 days
	All other activities	24 hours
Sweet Corn	Irrigation, handset	5 days
	Harvest, hand	20 days
	All other activities	24 hours

GRAZING/FEEDING RESTRICTIONS:

DO NOT graze or harvest forage or cut hay of wheat, barley, oats and seedling alfalfa within 30 days after application.

All other crops: **DO NOT** graze, cut or feed treated crops to livestock.

FIRST AID:

In case of Ingestion: 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.

In case of Eye Contact: 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.

In case of Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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

TOXICOLOGICAL INFORMATION:

This product contains PETROLEUM DISTILLATES. Vomiting may cause aspiration pneumonia. Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS:

This product contains an active ingredient and aromatic petroleum distillates, which are toxic to aquatic organisms. Toxic to non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

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 filter strip between the treated area and the edge of the water body. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

EMERGENCY TELEPHONE NUMBERS:

For spills or transportation accidents, Chemtrec, 1-800-424-9300.

For health or environmental emergencies, ProPharma, 1-877-325-1840.

For product and use information, Sharda Cropchem Limited, 1-844-810-5720.

STORAGE:

Store this product away from food or feed. BRUTE will solidify below minus 20°C but will become usable at temperatures above 0°C. Insecticides and fungicides should be segregated 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 rinsing 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 or territorial 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 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.

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

(Booklet)

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GENERAL INFORMATION & DIRECTIONS FOR USE:.....SECTION 1

WEEDS CONTROLLEDSECTION 2

APPLICATION & MIXING INSTRUCTIONS

FOR GROUND OR AIRSECTION 3

CROP INSTRUCTIONS, INCLUDING TANK MIXES

Alfalfa (seedling and established)	SECTION 4
Barley (not underseeded to legumes)	SECTION 5
Canary Seed	SECTION 6
Corn (Field and Sweet)	SECTION 7
Fall Rye	SECTION 8
Flax (including low linolenic acid varieties)	SECTION 9
Oats (not underseeded to legumes)	SECTION 10
Triticale (not underseeded to legumes)	SECTION 11
Wheat (Spring and Winter - not underseeded to legumes).....	SECTION 12
Garlic	SECTION 13
Onion (dry bulb only)	SECTION 14
Minimum or Zero Till	SECTION 15
Pre-Seeding Burndown	SECTION 16
Canola (prior to planting)	SECTION 17

BRUTE can be tank mixed with the following products:

2,4-D (amine or ester)
MCPA (amine or ester)
Atrazine
ACHIEVE Liquid Herbicide
BANVEL II Herbicide
Glyphosate (present as isopropylamine or potassium salt)
AIM EC Herbicide
ROUNDUP WEATHERMAX WITH TRANSORB 2 TECHNOLOGY LIQUID
HERBICIDE

IMPORTANT SAFETY INFORMATIONSECTION 18

Precautions
Pre-Harvest Grazing Intervals
First Aid
Emergency Telephone Numbers
Storage
Disposal

SECTION 1:

GENERAL INFORMATION:

BRUTE controls spring germinating weeds such as wild buckwheat, Tartary buckwheat and green smartweed. BRUTE works best applied to seedling weeds. BRUTE is a low volatile ester formulation. BRUTE applied as directed controls some weeds, which deprive young corn and cereal crops of vital moisture and fertilizer, reduces contamination of crops with weeds seeds, improves quality and makes harvesting easier. BRUTE is a contact herbicide. Thorough coverage of the weed seedlings is essential for optimum control.

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

In some cases, tank mixing pest control products can result in reduced pesticide efficacy or increased host crop injury. The user should contact Sharda Cropchem Limited at 1-844-810-5720 for information before applying any tank mix that is not specifically recommended on this label.

DIRECTIONS FOR USE:

As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, BRUTE is a Group 6 herbicide. Any weed population may contain or develop plants naturally resistant to BRUTE and other Group 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 BRUTE or other Group 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.
- 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 or at www.shardacanada.ca.

SECTION 2:

APPLICATION TIMING:

For best results, spray up to 4-leaf stage of weeds. Apply in good growing conditions. Application must be made before the crop shields the weeds.

WEEDS CONTROLLED BY BRUTE ALONE

Seedlings up to 4-leaf stage:

Green Smartweed
Pale Smartweed
Lady's-Thumb
Bluebur
Kochia **
Cow Cockle *
Velvetleaf ***

Common Ragweed
Triazine Resistant Pigweed
Cocklebur
Russian Thistle **
Wild Mustard *
Stinkweed *
American Nightshade

Seedlings up to 8-leaf stage:

Wild Buckwheat
Common Buckwheat
Lamb's-Quarters

Tartary Buckwheat
Common Groundsel

- * Under normal conditions will be controlled up to the 4-leaf stage. Plants beyond this stage are unlikely to be controlled.
- ** Spray before plants are 5 cm high.
- *** Spray before plants are 8 cm high.

WEEDS CONTROLLED BY BRUTE + MCPA

Weeds listed for BRUTE alone plus these additional weeds:

Seedlings up to 4-leaf stage:

Ball Mustard
Flixweed
Night Flowering Catchfly
Redroot Pigweed
Shepherd's Purse
Volunteer Sunflower

Canada Thistle ****
Hemp Nettle ***
Perennial Sowthistle ****
Scentless Chamomile *
Volunteer Canola **

Seedlings up to 8-leaf stage:

Common Ragweed
Wild Mustard

Stinkweed
Wormseed Mustard

- * Spring annuals only. Will not control overwintered weeds.
- ** For heavy infestations tank mix 550 g active ingredient of MCPA per hectare.
- *** Tank mix 550 g active ingredient of MCPA per hectare. Plants beyond the 4-leaf stage are not likely to be controlled. Plants emerging after application, which is often the case on peat type soils, will not be controlled.
- **** Top growth controlled.

WEEDS CONTROLLED BY BRUTE + 2,4-D

Weeds listed for BRUTE alone plus these additional weeds:

Seedlings up to 4-leaf stage:

Ball Mustard
Redroot Pigweed
Volunteer Sunflower

Flixweed *
Night Flowering Catchfly
Shepherd's Purse

Seedlings up to 8-leaf stage:

Stinkweed *

Wild Mustard

- * The higher rate of 2,4-D is recommended for larger over winter weeds (fall rosettes).

SECTION 3:

APPLICATION AND MIXING INSTRUCTIONS FOR GROUND OR AIR

MIXING INSTRUCTIONS:

1. Fill spray tank half full with clean water.
2. Add required amount of BRUTE. Begin agitation.
3. If tank mixing, add the recommended amount of the tank mix partner product to the spray tank first, agitate, and then add BRUTE (unless otherwise directed).
4. Complete filling spray tank with water, continue agitation.

TANK MIXES:

BRUTE is recommended in tank mix with other products. Follow **all instructions** for mixing, spraying, precautions, limitations, crop rotations, application timing, pre-harvest intervals, etc., on labels of products tank mixed with BRUTE.

APPLICATION RATE:

Refer to specific instructions for each crop.

At the 1.2 L/ha rate, a 9.71 litre container treats 8.1 hectares (20 acres).

At the 1.4 L/ha rate, a 9.71 litre container treats 6.9 hectares (17.1 acres).

Wash out spray tank and lines and clean all filters, screens and tips. Select nozzle tips to apply the recommended volume of water per hectare. Flood jet type tips are not recommended. Adjust boom height to ensure uniform coverage of weeds. For ground applications, spray at 5-10 km/h. Calibrate sprayer and ensure that all tips are in good condition and spraying the same volume.

Field sprayer application: DO NOT apply when wind speed is less than 1 km/h. Avoid application of this product when winds are gusty. DO NOT apply with sprays finer than the American Society of Agricultural and Biological Engineers (ASABE) S572 (572.1 to 572.3) Medium classification. Boom height must be 60 cm or less above the crop or ground.

Conventionally piloted aircraft application: DO NOT apply when wind speed is less than 1 km/h. Avoid application of this product 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 sprays finer than the American Society of Agricultural and Biological

Engineers (ASABE) S572 (572.1 to 572.3) Medium classification. Reduce drift caused by turbulent wingtip vortices. Nozzle distribution along the spray boom length MUST NOT exceed 65% of the wing- or rotorspan.

Apply only by aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates 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 or a Global Positioning System (GPS).

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.

Product Specific Precautions

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

Volume: Apply the specified rate in a minimum spray volume of 20 litres per hectare for conventionally piloted aircraft.

SPRAY BUFFER ZONES:

The spray buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and 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 Habitat 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

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 (ASABE) category indicated on the labels for those tank mix partners.

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

FOR AERIAL APPLICATION refer to the following 12 points.

1. Weeds must be treated at the recommended growth stages while actively growing. Weed stage should be checked prior to spraying.
2. BRUTE plus either MCPA or 2,4-D must be applied in volume rates of not less than 20 L/ha. For best results when there is a heavy crop canopy, or when the majority of the weeds are cow cockle, smartweed, hempnettle, pigweed or Canada thistle, a volume rate of 40 L/ha is recommended.
3. The application rate per hectare of BRUTE and the phenoxy herbicides must not be reduced.
4. Effective swath width (as determined by boom width and spray pattern overlaps) must be accurately maintained. Conduct tests to determine the effective swath width of your aircraft. (For example, the effective swath width may be less than one half of the overall swath).
5. Flat-fan or hollow cone nozzles are recommended.
6. Nozzles should be positioned to compensate for prop-wash and wing-tip vortex effects. Nozzles should not be placed within 1 m of wing-tips.
7. Nozzles orientations (measured from direction of flight) to achieve desired minimum droplet density with maximum coverage.

VOLUME RATE	NOZZLE TYPE	NOZZLE ORIENTATION
20 L/ha	Flat Fan	90°
	Hollow Cone	135°
30 L/ha	Flat Fan	90 – 135°
	Hollow Cone	135°

40 L/ha

Flat Fan
Hollow Cone

135°
135 – 180°

8. Efficient trackmarking is essential ("Automatic Flagmen" markers should only be used as a back-up system).
9. Avoid spraying in temperatures greater than 25°C.
10. Spray only when wind is blowing away from a sensitive crop.
11. Do not spray in a dead calm and when wind speed exceeds 8 km per hour.

Spray Pressure:	Ground	275 kPa.
	Air	Use pressures at the lower end of the range recommended by the nozzle manufacturer.
Nozzles:	Ground	Flat Fan recommended Do not Use Flood Jet Nozzles.
	Air	See point 7 above.

SECTION 4:

ALFALFA (Seedling, and established alfalfa grown for seed production only)

Provinces of Alberta, Saskatchewan and Manitoba only.

BRUTE ALONE	
Weeds Controlled:	See Section 2.
Crop Treatment Stage:	Seedling – From the 2 to 6 trifoliate leaf stage. Do not apply to seedlings under stress. Established – May be treated until alfalfa is 25cm tall. Maximum of 2 applications per year. Minimum re-treatment interval for the second application is 21 days.
Application Method:	Ground application only. DO NOT apply by air. Apply in 100 litres of water per hectare. See Section 3.
Application Rate:	Seedling – 1.2 L/ha. Established – 1.2 to 1.4 L/ha.

Note: Temporary crop injury, such as scorching of leaves may occur under adverse growing conditions (cool and wet, or hot [over 25°C] and humid).

Do not apply to alfalfa seedlings in the unifoliate or 1st trifoliate leaf stage. Avoid overlapping as severe crop injury may occur.

SECTION 5:

BARLEY (not underseeded to legumes)

BRUTE ALONE	
Weeds Controlled:	See Section 2.
Crop Treatment Stage:	From the 2-leaf to early flag leaf stage, but not after the boot stage.
Application Method:	Ground - apply in 100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
Application Rate:	Weeds up to leaf stage indicated - 1.2 L/ha. Weeds beyond leaf stage indicated - 1.4 L/ha.

BRUTE + MCPA	
Weeds Controlled:	See Section 2 under BRUTE + MCPA mixture.
Crop Treatment Stage:	From the 2-leaf to early flag leaf stage.
Application Method:	Ground - apply in 50-100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha BRUTE + 275-550 g active ingredient MCPA per hectare.

Note: Add MCPA to the spray tank first, agitate, then add BRUTE.

BRUTE + 2,4-D	
Weeds Controlled:	See Section 2 under BRUTE + 2,4-D mixture.
Crop Treatment Stage:	From the 4-leaf to early flag leaf stage. Application prior to the 4-leaf stage may result in crop injury.
Application Method:	Ground - apply in 100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha BRUTE + 275-420 g active ingredient 2,4-D per hectare.

Note: 2,4-D ester is preferred although other formulations may be used. Add 2,4-D to the spray tank first, agitate, then add BRUTE.

BRUTE + ACHIEVE Liquid Herbicide

Weeds Controlled:	See Section 2, plus weeds indicated on the ACHIEVE Liquid Herbicide label.
Crop Treatment Stage:	From the 2-leaf to early flag leaf stage.
Application Method:	Ground - apply in 50-100 litres of water per hectare. Air - apply in 30-45 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha BRUTE + 0.5 L/ha ACHIEVE Liquid Herbicide + 0.5% v/v TURBOCHARGE Adjuvant.

Note: Add ACHIEVE Liquid Herbicide to the spray tank first, agitate well, then add BRUTE, agitate well, and then add TURBOCHARGE Adjuvant. Refer to the ACHIEVE Liquid Herbicide label for instructions, precautions and limitations.

SECTION 6:

CANARY SEED (seed production for bird feed)

BRUTE ALONE	
Weeds Controlled:	See Section 2.
Crop Treatment Stage:	From the 3- to 5-leaf stage.
Application Method:	Ground application only. DO NOT apply by air. Apply in 100 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha.

BRUTE + MCPA	
Weeds Controlled:	See Section 2 under BRUTE + MCPA mixture.
Crop Treatment Stage:	From the 3- to 5-leaf stage.
Application Method:	Ground application only. DO NOT apply by air. Apply in 100 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha BRUTE + 275 g active ingredient MCPA per hectare.

Note: MCPA ester is preferred although other formulations may be used. Add MCPA to the spray tank first, agitate, then add BRUTE.

SECTION 7:

CORN (Field and Sweet)

BRUTE ALONE	
Weeds Controlled:	See Section 2.
Crop Treatment Stage:	Corn may be treated with a broadcast post-emergence application at the recommended rate from the 4-leaf stage onward. To ensure adequate coverage of weeds, drop pipes should be used when corn is beyond the 8-leaf stage or for a second application for later germinating weeds such as cocklebur and velvetleaf. Minimum re-treatment interval for the second application is 21 days. The pre-harvest interval (PHI) is 20 days.
Application Method:	Ground application only. DO NOT apply by air. Apply in 200-300 litres of water per hectare. See Section 3.
Application Rate:	Light weed infestation - 1.2 L/ha. Heavy weed infestation - 1.4 L/ha.

Note: Temporary crop injury, such as scorching of leaves may occur under adverse growing conditions (cool and wet or hot [over 25°C] and humid). DO NOT add oil or surfactant.

BRUTE may be applied alone to seed corn inbreds once per year. (Variability in tolerance among inbred lines has been observed. Not all seed corn inbreds have been tested; the use of BRUTE must be approved by the Seed Corn company and comply with the directions given by the Seed Corn company).

BRUTE + ATRAZINE	
Weeds Controlled:	See Section 2, plus weeds indicated on the atrazine label.
Crop Treatment Stage:	From the 4- to 8-leaf stage. Refer to the atrazine label for limitations on grassy weeds.
Application Method:	Ground application only. DO NOT apply by air. Apply in 200-300 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha of BRUTE + 1.1 - 1.5 kg active ingredient of atrazine per hectare.

Note: Add atrazine to the spray tank first, agitate well, and then add BRUTE.

Temporary crop injury, such as scorching of leaves may occur under adverse growing conditions (cool and wet or hot [over 25°C] and humid).

DO NOT add oil or surfactant or use atrazine formulations that contain oil.

Refer to the atrazine label for instructions, precautions and limitations, especially on crop restrictions the following year.

BRUTE + LOW RATE ATRAZINE	
Weeds Controlled:	See Section 2, plus seedlings up to 6-leaf stage – redroot pigweed (triazine susceptible), velvetleaf*; seedlings up to 8-leaf stage - common ragweed. *Spray before weed reaches 10 cm in height.
Crop Treatment Stage:	From the 4- to 8-leaf stage.
Application Method:	Ground application only. DO NOT apply by air. Apply in 200-300 litres of water per hectare. See Section 3.
Application Rate:	1.2 to 1.4 L/ha of BRUTE + 0.5 kg active ingredient of atrazine per hectare.

Note: Add atrazine to the spray tank first, agitate well, and then add BRUTE.

Temporary crop injury, such as scorching of leaves may occur under adverse growing conditions (cool and wet or hot [over 25°C] and humid).

DO NOT add oil or surfactant or use atrazine formulations that contain oil.

Refer to the atrazine label for instructions, precautions and limitations, especially on crop restrictions the following year.

BRUTE + BANVEL II Herbicide (Do Not Use On Sweet Corn or Crops Grown for Seed Production)	
Weeds Controlled:	See Section 2, plus weeds indicated on the BANVEL II Herbicide label.
Crop Treatment Stage:	From the 4- to 6-leaf stage as an overall broadcast treatment. Use drop nozzles to spray when corn is beyond the 6-leaf stage and up to 50 cm in height. Do not apply later than 2 weeks prior to tassel emergence or to corn over 50 cm in height.
Application Method:	Ground application only. DO NOT apply by air. Apply in 200-300 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha BRUTE + 290 mL/ha BANVEL II Herbicide.

Note: Temporary crop injury, such as scorching of leaves may occur under adverse growing conditions (cool and wet or hot [over 25°C] and humid).

Refer to the BANVEL II Herbicide label for instructions, precautions and limitations.

Do not add oil or surfactant.

Add BRUTE to the spray tank first, agitate well, then add Banvel II Herbicide.

SECTION 8:

FALL RYE (not underseeded to legumes)

BRUTE ALONE	
Weeds Controlled:	See Section 2.
Crop Treatment Stage:	From the time growth begins in the spring to the early flag leaf stage. Apply before weeds are past the 4- to 5-leaf stage.
Application Method:	Ground application only. DO NOT apply by air. Apply in 50 - 100 litres of water per hectare. See Section 3.
Application Rate:	Weeds up to leaf stage indicated - 1.2 L/ha. Weeds beyond leaf stage indicated - 1.4 L/ha

BRUTE + MCPA	
Weeds Controlled:	See Section 2 under BRUTE + MCPA mixture.
Crop Treatment Stage:	From the time growth begins in the spring to the early flag leaf stage. Apply before weeds are past the 4- to 5-leaf stage.
Application Method:	Ground application only. DO NOT apply by air. Apply in 50-100 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha BRUTE + 275 g active ingredient MCPA per hectare.

Note: MCPA ester is preferred although other formulations may be used. Add MCPA to the spray tank first, agitate, then add BRUTE.

SECTION 9:

FLAX (including low linolenic acid varieties)

BRUTE ALONE	
Weeds Controlled:	See Section 2.
Crop Treatment Stage:	From when flax is 5 cm in height, up to the bud stage. For best crop safety, treat when 5 to 10 cm in height.
Application Method:	Ground application only. DO NOT apply by air. Apply in 100 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha

Note: Some leaf burn and retarded growth may be expected. For best crop safety, spray in the evening, and avoid spraying during hot (over 29°C), humid weather.

BRUTE + MCPA	
Weeds Controlled:	See Section 2 under BRUTE + MCPA mixture.
Crop Treatment Stage:	From when flax is 5 cm in height, up to the bud stage. For best crop safety, treat when 5 to 10 cm in height.
Application Method:	Ground application only. DO NOT apply by air. Apply in 100 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha BRUTE + 275 g active ingredient MCPA per hectare.

Note: Some leaf burn and retarded growth may be expected. For best crop safety, spray in the evening, and avoid spraying during hot (over 29°C), humid weather. Add MCPA to the spray tank first, agitate, then add BRUTE.

The amine or ester of MCPA can be used in this tank mixture.

SECTION 10:

OATS (not underseeded to legumes)

BRUTE ALONE	
Weeds Controlled:	See Section 2.
Crop Treatment Stage:	From the 2-leaf to early flag leaf stage. Apply before weeds are past the 4- to 5-leaf stage.
Application Method:	Ground application only. DO NOT apply by air. Apply in 50 - 100 litres of water per hectare. See Section 3.
Application Rate:	Weeds up to leaf stage indicated - 1.2 L/ha. Weeds beyond leaf stage indicated - 1.4 L/ha

BRUTE + MCPA	
Weeds Controlled:	See Section 2 under BRUTE + MCPA mixture.
Crop Treatment Stage:	From the 2-leaf to early flag leaf stage.
Application Method:	Ground application only. DO NOT apply by air. Apply in 50-100 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha BRUTE + 275-550 g active ingredient MCPA per hectare.

Note: Add MCPA to the spray tank first, agitate, then add BRUTE.**SECTION 11:**

TRITICALE (not underseeded to legumes)

BRUTE ALONE	
Weeds Controlled:	See Section 2.
Crop Treatment Stage:	From the 2-leaf to early flag leaf stage.
Application Method:	Ground application only. DO NOT apply by air. Apply in 100 litres of water per hectare. See Section 3.
Application Rate:	Weeds up to leaf stage indicated - 1.2 L/ha. Weeds beyond leaf stage indicated - 1.4 L/ha.

SECTION 12:

WHEAT: (spring & winter) (not underseeded to legumes)

BRUTE ALONE	
Weeds Controlled:	See Section 2.
Crop Treatment Stage:	Spring Wheat - From the 2-leaf to early flag leaf stage, but not at or after the boot stage. Apply before weeds are past the 4- to 5-leaf stage. Winter Wheat - From the 2-leaf to 4-leaf stage in the fall or from the time growth begins, to the early flag leaf stage in the spring.
Application Method:	Ground - apply in 50-100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
Application Rate:	Weeds up to leaf stage indicated - 1.2 L/ha. Weeds beyond leaf stage indicated - 1.4 L/ha.

BRUTE + MCPA	
Weeds Controlled:	See Section 2 plus under BRUTE + MCPA mixture.
Crop Treatment Stage:	Spring Wheat - From the 2-leaf to early flag leaf stage. Winter wheat - From the 2- to 4-leaf stage in the fall or from the time growth begins, to the early flag leaf stage in the spring.
Application Method:	Ground - apply in 50-100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
Application Rate:	Spring Wheat - 1.2 L/ha BRUTE + 275-550 g active ingredient MCPA per hectare where indicated. Winter Wheat - 1.2 L/ha BRUTE + 275 g active ingredient MCPA per hectare.

Note: Add MCPA to the spray tank first, agitate, then add BRUTE.

BRUTE + 2,4-D

Weeds Controlled:	See Section 2 under BRUTE + 2,4-D mixture.
Crop Treatment Stage:	Spring and Winter Wheat - From the 4-leaf to early flag leaf stage. Applications before the 4-leaf stage may injure the crop.
Application Method:	Ground - apply in 100 litres of water per hectare. Air - apply in 20-40 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha BRUTE + 275-420 g active ingredient 2,4-D per hectare.

Note: 2,4-D ester is preferred although other formulations may be used. Add 2,4-D to the spray tank first, agitate, then add BRUTE.

BRUTE + ACHIEVE Liquid Herbicide (Spring, Winter and Durum Wheat)	
Weeds Controlled:	See Section 2, plus weeds indicated on the ACHIEVE Liquid Herbicide label.
Crop Treatment Stage:	From the 2-leaf to early flag leaf stage.
Application Method:	Ground - apply in 50-100 litres of water per hectare. Air - apply in 30-45 litres of water per hectare. See Section 3.
Application Rate:	1.2 L/ha BRUTE + 0.5 L/ha ACHIEVE Liquid Herbicide + 0.5% v/v TURBOCHARGE Adjuvant.

Note: Add ACHIEVE Liquid Herbicide to the spray tank first, agitate well, then add BRUTE, agitate well, and then add TURBOCHARGE Adjuvant. Refer to the ACHIEVE Liquid Herbicide label for instructions, precautions and limitations.

SECTION 13:
GARLIC

BRUTE ALONE	
Weeds Controlled:	See Section 2.
Crop Treatment Stage:	Apply early post-emergent to weeds by ground application only. One application per year. Observe a PHI of 58 days.
Application Method:	Ground application only. DO NOT apply by air. Apply in 200-300 litres of water per hectare at a pressure of 275 kPa. See Section 3.
Application Rate:	1.2 L/ha.

SECTION 14:**ONION (Dry Bulb Only)**

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

ONION (Dry Bulb Only)

	Spray Volume and Pressure	Timing	Application Rate
BRUTE ALONE	Apply in 200 L water per hectare at a pressure of 170 kPa. DO NOT apply by air.	Make two applications per season, at an interval of 10 to 18 days. The first application should be made when onions are at the 2- to 3-leaf stage, and the second application made when onions are at the 4- to 5-leaf stage. DO NOT harvest within 75 days of application.	Apply BRUTE twice per season, each time at a rate of 0.6 L/ha. Application Precaution: BRUTE may cause severe leaf burn in onions if weather conditions have not been conducive to the development of the outer waxy layer of the onion leaf.
	WEEDS CONTROLLED		
BRUTE ALONE	Seedlings up to 4-leaf stage: Redroot pigweed, common groundsel.		

SECTION 15:
MINIMUM OR ZERO TILL

BRUTE + GLYPHOSATE (present as isopropylamine or potassium salt)	
Weeds Controlled:	See Section 2 and the tank mix partner label.
Crop Treatment Stage:	This recommendation applies only to minimum or zero till situations before emergence of the crop. Application can be made just prior to or immediately after seeding. Under no circumstances should application be made after crop emergence. Weeds in the seedling stage are most susceptible. This treatment should only be used for minimum or zero-tillage cropping systems in wheat, barley and oats.
Application Method:	Ground application only. DO NOT apply by air. Apply in 100 litres of clean water per hectare at a pressure of 275 kPa. See Section 3.
Application Rate:	1.2 L/ha + 400 g a.i./ha glyphosate*. A non-ionic surfactant is recommended for use with glyphosate. BRUTE should be added to the spray tank first, agitate then add glyphosate, agitate and then add surfactant.

* Equal to 1.1 L/ha of glyphosate 360 g/L,
0.9 L/ha of glyphosate 450 g/L, or,
0.75 L/ha of glyphosate 540 g/L.

SECTION 16:
PRE-SEEDING BURNDOWN
DO NOT apply by air.

BRUTE + Aim EC Herbicide for Burndown Control Of Volunteer Canola (All Types)

Apply BRUTE at 600 mL per hectare in combination with Aim EC Herbicide at 36.5 – 73 mL per hectare. Registered glyphosate products can be added to this tank mix at 450-900 g a.e./ha.

BRUTE + Aim EC Herbicide will control volunteer canola (all types including Liberty Link, Clearfield, and Roundup Ready) from cotyledon stage up to the 4-leaf stage.

Use 100 L/ha water and ensure good coverage for maximum performance.

No adjuvant required when using this tank mix with glyphosate.

SECTION 17:

CANOLA – prior to planting

BRUTE + Roundup WeatherMAX with Transorb 2 Technology Liquid Herbicide	
Weeds Controlled:	Control of volunteer canola (all types) in addition to control of emerged weeds listed on both of these labels when applied as directed. See Section 2, plus weeds indicated on the Roundup WeatherMAX with Transorb 2 Technology Liquid Herbicide label.
Crop Treatment Stage:	Pre-seed /pre-plant
Application Method:	Apply in 100 L of water per hectare. DO NOT apply by air.
Application Rate:	1.5 L/ha of BRUTE + 0.83 -1.27 L/ha (annual weeds) or 1.67-3.33 L/ha (perennial weeds) of Roundup WeatherMAX with Transorb 2 Technology Liquid Herbicide

Note: Add BRUTE to the spray tank first, agitate well, then add Roundup WeatherMAX with Transorb 2 Technology Liquid Herbicide, agitate well. Refer to the Roundup WeatherMAX with Transorb 2 Technology Liquid Herbicide label for instructions, precautions and limitations.

SECTION 18:**SAFETY INFORMATION****PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN.

POTENTIAL SKIN SENSITIZER.

WARNING POISON.

May be fatal if swallowed. Harmful if inhaled. Avoid breathing dusts or sprays. Severely irritating to the eyes and skin. DO NOT get into eyes, on skin or on clothing. Store the container, tightly closed, away from seeds, fertilizer, plants and foodstuffs. Wash concentrate from skin or eyes immediately. DO NOT inhale spray mist. Avoid spray drift onto crops other than those recommended. Avoid contamination of ponds, streams, rivers and other water sources.

DO NOT eat, drink or smoke/vape while using this product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum/tobacco, smoking/vaping, or using the toilet. Aircraft cockpit and vehicle cabs must be decontaminated regularly.

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.

DO NOT use in residential areas. Residential areas are defined as any use site where bystanders or the public, including children, could be exposed during or after application. This includes areas in and around homes, schools, public buildings or any other areas where they could be exposed.

Apply only when the potential for drift beyond the area to be treated is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.

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

PERSONAL PROTECTIVE EQUIPMENT

Follow the personal protective equipment, engineering control and restriction requirements for the appropriate mixer/loader and applicator scenario as described below. These restrictions are required to minimize exposure to the worker.

Application Equipment and Engineering Controls	Personal Protective Equipment	
	Mixer/Loader / Clean-up and Repair	Applicator
Aerial	Coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes, and protective eyewear (goggles or faceshield).	Long-sleeved shirt, long pants, chemical-resistant gloves ¹ , socks and shoes.
Groundboom – Open Cab		Coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.
Groundboom – Closed Cab		Long-sleeved shirt, long pants, socks and shoes.

¹Gloves are not required during application within a closed cockpit.

If the product comes in contact with clothing/PPE, remove all contaminated clothing/PPE, wash with soap and water and dress in clean clothing. Wash the outside of gloves with soap and water before removing. Launder contaminated clothing/PPE regularly and separately from other laundry.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours unless noted below:

CROP	POST-APPLICATION ACTIVITY	REI
Garlic	Irrigation, handset	2 days
	All other activities	24 hours
Sweet Corn	Irrigation, handset	5 days
	Harvest, hand	20 days
	All other activities	24 hours

GRAZING/FEEDING RESTRICTIONS:

DO NOT graze or harvest forage or cut hay of wheat, barley, oats and seedling alfalfa within 30 days after application.

All other crops: **DO NOT** graze, cut or feed treated crops to livestock.

FIRST AID:

In case of Ingestion: 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.

In case of Eye Contact: 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.

In case of Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

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

TOXICOLOGICAL INFORMATION:

This product contains PETROLEUM DISTILLATES. Vomiting may cause aspiration pneumonia. Treat symptomatically.

ENVIRONMENTAL PRECAUTIONS:

This product contains an active ingredient and aromatic petroleum distillates, which are toxic to aquatic organisms. Toxic to non-target terrestrial plants. Observe spray buffer zones specified under DIRECTIONS FOR USE.

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 filter strip between the treated area and the edge of the water body. Additional guidance can be found on the Runoff Mitigation portion of the Canada.ca website.

EMERGENCY TELEPHONE NUMBERS:

For spills or transportation accidents, Chemtrec, 1-800-424-9300.

For health or environmental emergencies, ProPharma Group, 1-877-325-1840. For product and use information, Sharda Cropchem Limited, 1-844-810-5720.

STORAGE:

Store this product away from food or feed. BRUTE will solidify below minus 20°C but will become usable at temperatures above 0°C. Insecticides and fungicides should be segregated 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 rinsing 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 or territorial 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 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.

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