

(Base Label)

Group	4	Herbicide
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**MEDIA F 500 MCPA ESTER
HERBICIDE**

EMULSIFIABLE CONCENTRATE

AGRICULTURAL

READ THE LABEL AND BOOKLET BEFORE USING

ACTIVE INGREDIENT: MCPA, present as 2-ethylhexyl ester: 500 g a.e./L

**REGISTRATION NO: 34299
PEST CONTROL PRODUCTS ACT**

NET CONTENTS 10 litres

CAUTION



POISON

Skin irritant

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

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

24 Hour Emergency Response Number **1-613-996-6666**

PRECAUTIONS:

1. KEEP OUT OF THE REACH OF CHILDREN. Harmful if swallowed. May be harmful if absorbed through skin. 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.
2. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab and/or cockpit.
3. Avoid contact with eyes, skin and clothing. May cause skin irritation.
4. Do not breathe spray mist or vapors.
5. Avoid spray or vapor drifts onto susceptible plants such as grapes, tomatoes, tobacco, sugar beets, sunflowers, beans, turnips, cauliflower, cabbage, alfalfa, clover, peas, potatoes, ornamental trees, shrubs or flowers, fruit trees, lawns, most vegetable crops or other desirable vegetation.
6. Do not spray when there is any danger of wind or on exceptionally hot days over 27°C.
7. Drift from spray may be reduced by using high volume sprays under low pressure, coarse sprays, and drop nozzles where possible.
8. Do not contaminate any body of water. Avoid contamination of foods.
9. DO NOT apply in greenhouses.
10. Keep in original container during storage.
11. Do not store near seeds, feeds, fertilizers or pesticides used on crops sensitive to this product.
12. Keep away from fire or open flame and other sources of heat.
13. Clean spray equipment thoroughly after use and rinse with clean water. Do not use spray equipment to apply other pesticides to crops sensitive to this product. Do not re-use empty containers.
14. DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.
15. Do not permit lactating dairy animals to graze fields within 7 days after application.
16. Do not harvest for forage or cut hay within 7 days after application.
17. Withdraw meat animals from treated fields at least 3 days before slaughter.

ENVIRONMENTAL PRECAUTIONS: Refer to the attached booklet for complete environmental precautions.

FIRST AID:

1. 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.
2. 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.
3. 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.
4. 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 for further treatment advice.
5. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: High concentrations of MCPA may cause severe irritation to the eyes. Symptoms of overexposure to MCPA could include slurred speech, twitching, jerking and spasms, drooling, low blood pressure and unconsciousness. No specific antidote. Treatment of any systemic intoxication should be primarily symptomatic and supportive. Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

STORAGE: Store this product away from food or feed.

DISPOSAL:

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

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements. For 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.

MEDIA F 500 MCPA ESTER

HERBICIDE

EMULSIFIABLE CONCENTRATE

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LABEL INDEX MEDIA F 500 MCPA Ester Herbicide

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Storage and disposal	GO TO SECTION 4	Mixing & Application Instructions	GO TO SECTION 8

SECTION 1

PRECAUTIONS

1. KEEP OUT OF THE REACH OF CHILDREN. Harmful if swallowed. May be harmful if absorbed through skin. 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.
2. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cab and/or cockpit.
3. Avoid contact with eyes, skin and clothing. May cause skin irritation.
4. Do not breathe spray mist or vapors.
5. Avoid spray or vapor drifts onto susceptible plants such as grapes, tomatoes, tobacco, sugar beets, sunflowers, beans, turnips, cauliflower, cabbage, alfalfa, clover, peas, potatoes, ornamental trees, shrubs or flowers, fruit trees, lawns, most vegetable crops or other desirable vegetation.
6. Do not spray when there is any danger of wind or on exceptionally hot days over 27°C.
7. Drift from spray may be reduced by using high volume sprays under low pressure, coarse sprays, and drop nozzles where possible.
8. Do not contaminate any body of water. Avoid contamination of foods.
9. DO NOT apply in greenhouses.
10. Keep in original container during storage.
11. Do not store near seeds, feeds, fertilizers or pesticides used on crops sensitive to this product.
12. Keep away from fire or open flame and other sources of heat.
13. Clean spray equipment thoroughly after use and rinse with clean water. Do not use spray equipment to apply other pesticides to crops sensitive to this product. Do not re-use empty containers.
14. DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.
15. Do not permit lactating dairy animals to graze fields within 7 days after application.
16. Do not harvest for forage or cut hay within 7 days after application.
17. Withdraw meat animals from treated fields at least 3 days before slaughter.

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.

Runoff

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.

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.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, MEDIA F 500 MCPA Ester is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to MEDIA F 500 MCPA Ester and other Group 4 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 MEDIA F 500 MCPA Ester or other Group 4 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 (IPM) 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 chemical control 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 difference group. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between field, 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 1-416-840-5639.

SECTION 2

FIRST AID:

1. 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.
2. 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.
3. 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.
4. 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.
5. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

GO TO SECTION 3

SECTION 3

TOXICOLOGICAL INFORMATION:

High concentrations of MCPA may cause severe irritation to the eyes. Symptoms of overexposure to MCPA could include slurred speech, twitching, jerking and spasms, drooling, low blood pressure and unconsciousness. No specific antidote. Treatment of any systemic intoxication should be primarily symptomatic and supportive. Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

GO TO SECTION 4

SECTION 4

STORAGE: Store this product away from food or feed.

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

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For 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.

GO TO SECTION 5

DIRECTIONS FOR USE:

SECTION 5

Crop: WHEAT, BARLEY, RYE

Treatment Stage: For ground or aerial application. Treat from the 4th leaf to just before the flag leaf (shot blade) stage.
NOTE: Do not treat cereals underseeded to legumes.

Susceptible Weeds: Burdock, Cocklebur, Mustards (except Dog Mustard), Ragweed, Flixweed*, Kochia, Lamb's-quarters, Russian Pigweed, Shepherd's Purse, Stinkweed.
*Flixweed susceptible only at seedling stage. Use rates for harder-to-kill weeds to kill fall germinated flixweed in the spring.

Rates to Use on Susceptible Weeds:

Small seedlings, good growing conditions:	700 mL/ha
Weeds in bud, dry or cool weather or heavy infestation:	1.1 L/ha

NOTE: Rates over 1.1 L/ha may cause crop injury.

Harder-to-Kill Weeds: Annual Sow Thistle, Bluebur, Blue Lettuce*, Canada Thistle*, Peppergrass, Curled Dock, Dog Mustard, Goosefoot, Hempnettle (suppression only), Redroot Pigweed, Russian Thistle*, Perennial Sow Thistle*, Leafy Spurge*.
*Top growth control only.

Rates to Use on Harder-to-Kill Weeds:

Small seedlings growing rapidly, good growing conditions:	1.25 L/ha
Weeds in bud, dry or cool conditions or heavy infestation:	1.75 L/ha

NOTE: Rates over 1.1 L/ha may cause crop injury.

Do not apply more than once per year.

GO TO SECTION 6

SECTION 6

Crop:	OATS AND MIXED GRAIN	
Treatment Stage:	For ground or aerial application. Spray from 1 – 4 leaf stage.	
Susceptible Weeds:	Burdock, Cocklebur, Mustards (except Dog Mustard), Ragweed, Flixweed*, Kochia, Lamb's-quarters, Russian Pigweed, Shepherd's Purse, Stinkweed. *Flixweed susceptible only at seedling stage. Use rates for harder-to-kill weeds to kill fall germinated flixweed in the spring.	
Rates to Use on Susceptible Weeds:	Small seedlings, good growing conditions:	700 mL/ha
	Weeds in bud, dry or cool weather or heavy infestation:	1.1 L/ha
Harder-to-Kill Weeds:	Annual Sow Thistle, Bluebur, Blue Lettuce*, Canada Thistle*, Peppergrass, Curled Dock, Dog Mustard, Goosefoot, Hempnettle (Suppression only), Redroot Pigweed, Russian Thistle*, Perennial Sow Thistle*, Leafy Spurge*. *Top growth control only.	
Rates to Use on Harder-to-Kill Weeds:	Small seedlings, growing rapidly, good growing conditions:	1.25 L/ha
	Weeds in bud, dry or cool weather or heavy infestation:	1.75 L/ha
	NOTE: Rates over 1.1 L/ha may cause crop injury.	
	Do not apply more than once per year.	

GO TO SECTION 7

SECTION 7

Crop:	FLAX (Excluding low-linolenic acid varieties)	
Treatment Stage:	For ground application ONLY. Spray after plant reaches 5 cm in height and before the bud stage.	
Susceptible Weeds:	Burdock, Cocklebur, Mustards (except Dog Mustard), Ragweed, Flixweed*, Kochia, Lamb's-quarters, Russian Pigweed, Shepherd's Purse, Stinkweed. *Flixweed susceptible only at seedling stage. Use rates for harder-to-kill weeds to kill fall germinated flixweed in the spring.	
Rates to Use on Susceptible Weeds:	Small seedlings, good growing conditions:	700 mL/ha
	Weeds in bud, dry or cool weather or heavy infestation:	1.1 L/ha
	NOTE: Rates over 850 mL/ha may cause crop injury.	
	Do not apply more than once per year.	

GO TO SECTION 8

SECTION 8

MIXING AND APPLICATION INSTRUCTIONS:

1. Fill tank 1/2 full with water. Start agitation.
2. Add MEDIA F 500 MCPA Ester Herbicide.
3. Complete filling of tank with water while maintaining continuous agitation.
4. Use 100-240 litres of water per hectare for ground application unless otherwise specified on tank-mix product labels.
5. Do not exceed 275 kPa pressure for ground application.

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.

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) coarse classification. Boom height must be 60 cm or less above the crop or ground.

Aerial Application: DO NOT apply during periods of dead calm. 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 spray droplets smaller than the American Society of Agricultural Engineers (ASAE) 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.

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 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.

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.

Operator Precautions

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.

Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cockpit.

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 Sharda Cropchem Limited at 1-844-810-5720 or 1-416-840-5639 or obtain technical advice from the distributor or your provincial agricultural representative.

Spray Buffer Zones

Spot treatments using hand-held equipment 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 Habitat of Depths:		Terrestrial Habitat
			Less than 1 m	Greater than 1 m	Less than 1 m	Greater than 1 m	
Field Sprayer	Cereals, flax		1	1	1	1	4
Aerial	Cereals	Fixed wing	1	0	1	0	60
		Rotary wing	1	0	1	0	50

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 Pest Management Regulatory Agency web site.

Use Precautions for

Aerial Application (to cereal crops):

1. Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves are not required during application within a closed cockpit.
2. Aircraft must use a closed cab.
3. Mixer/loader and applicator must be different individuals.
4. Use special care in aerial application where damage from drift can be greater.
5. Avoid direct applications to any body of water. Do not contaminate water through spray drift or by cleaning of equipment or disposal of wastes.
6. A minimum volume of 30 L per hectare of spray solution should be used. Use boom pressure of 235 kPa or less. Avoid placing nozzles where spray will enter wing tip vortices.
7. Do not apply this product directly to, or otherwise permit it to come into direct contact with desirable crops or other desirable broadleaf plants or non-target species and do not permit spray mists to drift onto them.
8. Course sprays are less likely to drift. Use only nozzles or nozzle configuration which minimize the production of fine spray drops. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure. When spraying avoid combinations of pressures and nozzle type that will result in fine particles (mist) which are more likely to drift. A spray thickening agent or drift retardant may be used with this product to aid in reducing spray drift.
9. Avoid spray drift: Apply only when there is little or no hazard from spray drift. Small quantities of the spray, which may not be visible, may seriously injure susceptible crops and damage sensitive non-target habitat. A method must be used to detect air movement, lapse conditions, or temperature inversions (stable air) such as the use of balloons or continuous smoke column at or near the spray site or a smoke generator on the spray equipment. If the smoke develops into layers or indicates a potential for hazardous spray drift, do not spray. Do not spray in winds exceeding 8 km per hour.

