

2011-2978
2012-04-26

GROUP

4

HERBICIDE

FLAXMAX® HERBICIDE

FOR SALE FOR USE IN THE PRAIRIE PROVINCES ONLY

SOLUTION

For selective control of various broadleaf weeds in flax (including low linolenic acid varieties.)

AGRICULTURAL

GUARANTEE: Clopyralid 50 g a.e./L
(present as acid)
MCPA 280 g a.e./L
(present as 2-ethylhexyl ester)

REGISTRATION NO. 23993

PEST CONTROL PRODUCTS ACT



CAUTION

POISON

EYE IRRITANT

**IN CASE OF EMERGENCY ENDANGERING LIFE OR PROPERTY
INVOLVING THIS PRODUCT, CALL DAY OR NIGHT, 1-800-454-2673**

**READ THE LABEL AND THIS PAMPHLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

NET CONTENTS: 8 L – 454 L, Bulk

BASF Canada Inc.
100 Milverton Drive
5th Floor
Mississauga, Ontario
L5R 4H1
1-877-371-2273

FLAXMAX® is a registered trademark of BASF.

DIRECTIONS FOR USE

DO NOT APPLY BY AIR.

DO NOT use in greenhouses.

Apply only when the potential for drift to areas of human habitation or areas of 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.

Field sprayer application

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply when 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.

Surface runoff

To reduce runoff from treated areas into aquatic habitats, consider the characteristics and conditions of the site before treatment. Site characteristics and conditions that may lead to runoff include, but are not limited to, heavy rainfall, moderate to steep slope, bare soil, poorly draining soil (e.g. soils that are compacted, fine-textured, or low in organic matter such as clay).

Avoid applying this product when heavy rain is forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative strip (buffer zone) between the treated area and the edge of the water body.

Leaching

The use of this chemical may result in contamination of groundwater particularly in areas where soils are permeable (e.g. sand, loamy sand and sandy loam soils) and/or the depth to the water table is shallow.

Buffer Zones

Use of the following spray methods or equipment DO NOT require a buffer zone: handheld or backpack sprayer and spot treatment.

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, 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	Crop	Buffer Zones (metres) Required for the Protection of:
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Application		Freshwater Habitats 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*	Flax	1	1	1	1	4

* For field sprayer application, buffer zones can be reduced with the use of drift-reducing spray shields. When using a spray boom fitted with a full shield (shroud, curtain) that extends to the crop canopy, the labelled buffer zone can be reduced by 70%. When using a spray boom where individual nozzles are fitted with cone-shaped shields that are no more than 30 cm above the crop canopy, the labelled buffer zone can be reduced by 30%.

Maximum Application Rates and Maximum Number of Applications

Site	Maximum Rate for a Single Application* (g a.e. of MCPA/ha)	Cumulative Maximum Rate per Season (g a.e. of MCPA/ha)	Maximum Number of Applications per Year
Flax	875	875	1

* Do not exceed the application rates listed in the Rate of Application section of this product's label.

WEEDS CONTROLLED

FLAXMAX herbicide should be diluted in water and applied by ground application equipment for the control of many broadleaf weeds including:

Canada thistle*	Russian pigweed
Common groundsel	Redroot pigweed
Dandelion**	Scentless chamomile (2-4 leaf)
Flixweed**	Shepherd's purse**
Kochia (suppression) (2-4 leaf)	Smartweed
Lamb's-quarters	Stinkweed**
Annual sowthistle	Tartary buckwheat
Perennial sowthistle (top growth)	Wild buckwheat
Volunteer sunflower	Wild mustard
Volunteer rapeseed	

* season long control; with some re-growth in the fall

** spring rosettes only

RATE OF APPLICATION

1.5 L/ha

Apply **FLAXMAX** herbicide at 1.5 L/ha for the control of light infestations of Canada thistle*, lamb's-quarters, wild mustard, volunteer sunflower and spring seedlings (2-4 leaf) of flixweed, shepherd's purse and stinkweed.

2.0 L/ha

At 2.0 L/ha, weeds controlled include the above plus medium to heavy infestations of Canada thistle*, common groundsel, dandelion (spring rosette), kochia (suppression) (2-4 leaf), annual sowthistle, perennial sowthistle (top growth), redroot pigweed, Russian pigweed, scentless chamomile (2-4 leaf), smartweed, tartary buckwheat, volunteer rapeseed and wild buckwheat. Best results are obtained when **FLAXMAX** herbicide is applied to actively growing weeds in the 1-4 leaf (seedling) stage and when Canada thistle is between 10 cm and up to but not including the early bud stage. Poor weed control may result under cool or dry conditions.

FLAX

Apply to the flax when the crop is 5-15 cm tall. Early spraying will reduce the risk of crop injury. Apply **FLAXMAX** herbicide in 100-150 L/ha total spray volume by ground equipment at spray pressures of 200-275 kPa. For optimum spray coverage, use flat fan nozzles tilted 45⁰ forward to ensure better coverage.

NOTE: Some delay in maturity and crop injury may result from the use of the high rate but any potential yield reductions will usually be more than offset by increased yields due to better weed control.

SPRAY PREPARATION

Add half the required amount of water to the spray tank, then add with agitation the required amount of **FLAXMAX** herbicide. Add the balance of the water and continue to agitate while spraying.

The use of flood jet or hollow cone nozzles is not recommended, because of uneven and inadequate spray coverage. Ensure thorough and uniform spray coverage over the entire leaf area of the target weeds.

NOT TO BE USED FOR AERIAL APPLICATION.

WARNINGS

SENSITIVE PLANTS: Do not apply **FLAXMAX** herbicide directly to, or otherwise permit it to come into contact with sunflowers, legumes, fruit or vegetable crops, flowers or other desirable broadleaf plants and take precautions to avoid spray mists drifting onto them.

CROP ROTATION: Fields previously treated with **FLAXMAX** herbicide can be seeded to wheat, barley, oats, rye, corn, flax, canola, sugarbeets, mustard or should be summerfallowed. **Do not seed to crops other than those listed above for at least one clear year following treatment.**

GRAZING STATEMENT: Do not graze treated fields of flax within less than 7 days.

STRESS CONDITIONS: When weeds are stressed due to drought, flooding or prolonged hot or cool temperatures (15^oC or less), control can be reduced or delayed since weeds are not actively growing. Weed escapes may occur under prolonged stress conditions or low fertility. **Do not make applications to weeds stressed longer than 20 days due to lack of moisture as unsatisfactory control can result.**

TO REDUCE SPRAY DRIFT

1. Use coarse sprays at low pressures (200-275 kPa).
2. Use 100-200 L/ha of spray solution.
3. Spray when the wind velocity is 16 kmph or less.

EQUIPMENT CLEAN-UP: Equipment used to apply **FLAXMAX** herbicide should not be used to apply other pesticides to sensitive crops without thorough cleaning.

ENVIRONMENTAL HAZARDS

TOXIC to aquatic organisms and non-target terrestrial plants. Observe buffer zones specified under DIRECTIONS FOR USE.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, **FLAXMAX** herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to **FLAXMAX** herbicide 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 **FLAXMAX** herbicide or other Group 4 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.

- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact BASF at 1-877-371-2273.

PRECAUTIONS

HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN EYE IRRITANT

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.

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Do not take internally. Handle with care and mix only in a closed container. Use only in a well-ventilated area.
3. May cause irritation of eyes and skin. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing.
4. Wash thoroughly after handling and before eating, drinking or smoking or going to the washroom. Take a shower immediately after work.
5. Applicators must wear a hat, long-sleeved shirt, long pants, socks, rubber boots and chemical-resistant gloves. During mixing, loading, repair and clean-up, or when handling the concentrate, wear the above-mentioned protective equipment and clothing as well as goggles or face shield and an apron.
6. If clothing becomes contaminated, remove immediately and wash. Store and wash all protective clothing separately from household laundry. Wash in detergent and hot water before reuse. Wear freshly laundered clothes daily.
7. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
8. Do not apply where run-off or erosion is likely to occur.

9. Do not enter or allow workers entry into treated areas for 12 hours following application to all crops.
10. 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.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at www.croplife.ca.

FIRST AID INSTRUCTIONS

If in eyes: Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

If swallowed: Call a poison control centre or doctor immediately for treatment advice. 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.

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

Take container, 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 eyes. Symptoms of overexposure to MCPA could include slurred speech, twitching, jerking and spasms, drooling, low blood pressure and unconsciousness. Treat symptomatically.

The decision of whether to induce vomiting or not should be made by the attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration of petroleum based solvents must be weighed against toxicity when considering emptying stomach. No specific antidote. Supportive care. Treatment is based on judgment of the physician in response to reactions of the patient.

PHYSICAL OR CHEMICAL HAZARDS

COMBUSTIBLE: Do not use or store near heat or open flame. Do not cut container.

STORAGE

1. Store in original, tightly-closed container and do not allow water to be introduced into this container.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool (above 5⁰C), dry, locked, well-ventilated area without floor drain. If product is frozen, bring to room temperature and agitate before use.
4. Herbicides should be shipped or stored separately from other pesticides to avoid cross-contamination.

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 any 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. The user assumes the risk to persons or property that arises from any such use of this product.

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