

2011-2979
2012-06-22

GROUP	4	HERBICIDE
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FLAXMAX® HERBICIDE

A component of FlaxMax® Herbicide Tank Mix

SOLUTION

For selective control of various broadleaf weeds in flax, excluding low linolenic acid varieties (Prairie Provinces only)

AGRICULTURAL

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

REGISTRATION NO. 25819 PEST CONTROL PRODUCTS ACT

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



**CAUTION POISON
SKIN AND EYE IRRITANT**

NET CONTENTS: 8.0 L

**READ THE LABEL AND ENCLOSED BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN**

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

FLAXMAX® is a registered trademark of BASF.

PRECAUTIONS

HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN EYE IRRITANT

1. **KEEP OUT OF REACH OF CHILDREN.**
2. Do not apply by air.
3. Do not take internally. Handle with care and mix only in a closed container. Use only in a well-ventilated area.
4. May cause irritation of eyes and skin. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing.
5. Wash thoroughly after handling and before eating, drinking, smoking or going to the washroom. Take a shower immediately after work.
6. During mixing, loading, application, clean up and repair, wear long-sleeved shirt, long pants, socks, shoes and chemical resistant gloves. Goggles or a face shield are required during mixing and loading.
7. Applicators using a closed cab are not required to wear chemical resistant gloves.
8. 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.
9. Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes.
10. Do not apply where run-off or erosion is likely to occur.
11. DO NOT apply this product in a way that will cause this product to contact workers or other persons, either directly or through drift. Only handlers (mixers, loaders and applicators) wearing personal protective equipment may be in the area being treated during application.
12. DO NOT enter or allow entry into treated areas during the restricted-entry interval (REI) of 12 hours.
13. 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.

ENVIRONMENTAL HAZARDS

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

This product contains a petroleum distillate that is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application.

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.

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 or fine textured such as clay).

Avoid application of this product 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.

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.

FIRST AID INSTRUCTIONS FOR FLAXMAX HERBICIDE

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 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 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.

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

NOTE: Refer to individual product labels for additional first aid instructions.

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. There is no specific antidote. Supportive care should be given. Treatment is based on the 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 containers and do not allow water to be introduced into the containers.
2. Do not ship or store near food, feed, seed and fertilizers.
3. Store in cool (above 5°C), dry, locked, well-ventilated area without floor drain. If products are 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 further use.

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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

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**FLAXMAX®
HERBICIDE TANK MIX**

SOLUTION

Post-emergence herbicide tank mix for control of annual grasses, broadleaf weeds including Canada thistle in flax, excluding low linolenic acid varieties (Prairie Provinces only)

AGRICULTURAL

This herbicide tank mix concept contains:

GUARANTEE:

POAST ULTRA HERBICIDE:	Sethoxydim	450 g/L
REGISTRATION NO. 25820	PEST CONTROL PRODUCTS ACT	

GUARANTEE:

FLAXMAX HERBICIDE:	Clopyralid (present as acid)	50 g a.e./L
	MCPA (present as 2-ethylhexyl ester)	280 g a.e./L
REGISTRATION NO. 25819	PEST CONTROL PRODUCTS ACT	



**CAUTION
SKIN AND EYE IRRITANT**

POISON

NET CONTENTS: 1 x 3.65 L
2 x 8.0 L

**POAST® ULTRA Herbicide
FLAXMAX® Herbicide**

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**FLAXMAX Herbicide Tank Mix will treat
8 ha at the high rate or 11 ha at the low rate**

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AGRICULTURAL

This herbicide tank mix concept contains:

GUARANTEE:

POAST ULTRA HERBICIDE:	Sethoxydim	450 g/L
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DIRECTIONS FOR USE

Introduction

FLAXMAX Herbicide Tank Mix is a combination tank mix of **POAST ULTRA Herbicide** and **FLAXMAX Herbicide** for the control of most broadleaf and grass weeds occurring in flax, excluding low linolenic acid varieties (Prairie Provinces only).

MERGE® Adjuvant must be added to this application of **FLAXMAX Herbicide** Tank Mix.

Apply to flax when the crop is 5 - 15 cm tall. Early spraying will reduce the risk of crop injury. Apply **FLAXMAX Herbicide** tank mix in 100 L/ha total spray volume by ground equipment at spray pressures of 240 - 275 kPa. For optimum spray coverage, use 80° – 110° stainless steel flat fan nozzles tilted 45° forward to ensure better coverage.

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.

For best results, apply to actively growing weeds and when crop is small enough to permit thorough spray coverage.

DO NOT APPLY BY AIR.

Do not apply more than once per season.

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 with spray droplets smaller than the American Society of Agricultural Engineers coarse classification. Boom height must be 60 cm or less above the crop or ground.

Buffer Zones

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats (such as grasslands, forested areas, shelter belts, woodlots, hedgerows, riparian areas and shrublands), sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands) and estuarine/marine habitats.

Method of Application	Crop	Buffer Zones (metres) Required for the Protection of:				
		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

ENVIRONMENTAL HAZARDS

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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.

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 or fine textured such as clay).

Avoid application of this product 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.

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.

APPLICATION RATES OF THE TANK MIX COMPONENTS FOR SPECIFIC WEEDS CONTROLLED (Spray volume 100 L/ha)

GRASS SPECIES	GRASS LEAF STAGE	POAST ULTRA RATE (L/ha)	FLAXMAX RATE (L/ha)	MERGE RATE (L/ha)	Hectares Treated
Annual Grasses: Barnyard grass, crabgrass (large), fall panicum, foxtail (green/yellow; wild millet), persian darnel, proso millet, volunteer corn, witchgrass	1-6	0.32	1.5 0.75		11.0
Wild Oats and Volunteer Cereals: Wild oats, volunteer barley and volunteer wheat	1-4	0.32	1.5 0.75		11.0
Annual Broadleaf Weeds: Flixweed, lamb's-quarters, shepherd's purse, stinkw eed, wild mustard, and volunteer sunflower	2-4*	0.32	1.5 0.75		11.0
Perennial Weeds: Canada thistle** (light infestations)	10 cm to early bud stage	0.32	1.5 0.75		11.0
Annual Grasses: Barnyard grass, crabgrass (large), fall panicum, foxtail (green/yellow; wild millet), persian darnel, proso millet, volunteer corn, witchgrass	1-6	0.47	2.0	1.0	8.0
Wild Oats and Volunteer Cereals: Wild oats, volunteer barley and volunteer wheat	1-6	0.47	2.0	1.0	8.0
Annual Broadleaf Weeds: Flixweed, lamb's-quarters, shepherd's purse, stinkw eed, wild mustard and volunteer sunflower, annual sow -thistle, common groundsel, redroot pigweed, Russian pigw eed, scentless chamomile, smartweed, tartary buckwheat, volunteer canola, and w ild buckwheat	2-4*	0.47	2.0	1.0	8.0
Perennial Weeds: Dandelion	spring rosette stage	0.47	2.0	1.0	8.0
Perennial Weeds: Perennial sow-thistle	top growth	0.47	2.0	1.0	8.0
Perennial Weeds: Canada thistle	medium to heavy	0.47	2.0	1.0	8.0

* Treatments made to broadleaf weeds after the 4 leaf stage may result in less than satisfactory control.

** Season long control with some potential regrowth in the fall.

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.

Do not delay spraying broadleaf weeds if grassy weeds are not in the correct stage for treatment.

SPRAY TANK MIXING SEQUENCE

1. Thoroughly clean the sprayer prior to use. **For appropriate cleaning instructions, refer to the label of the product sprayed previously.**
2. Fill spray tank half full with clean water. Start agitation system.
3. Add the correct amount of **FLAXMAX Herbicide**.
4. Add the correct amount of **POAST ULTRA Herbicide**.
5. Add the correct amount of **MERGE Adjuvant**, along with the remaining amount of water necessary to fill the spray tank.
6. After filling, continue agitation.
7. After any break in the spraying operation, agitate thoroughly before spraying again. Do not allow the mixture to sit over night.
8. Immediately after use, thoroughly clean the sprayer by rinsing it with clean water.

NOTE: NOT TO BE USED FOR AERIAL APPLICATION.

WARNINGS

Sensitive Plants

Do not apply **FLAXMAX Herbicide** Tank Mix directly to, or otherwise permit it to come into contact with grass, cereal, corn, turf, sunflowers, legumes, fruit or vegetable crops, flowers or other desirable broadleaf plants and take precautions to avoid spray mists drifting onto them.

Replanting

Allow a minimum of 14 days between application of **FLAXMAX Herbicide** Tank Mix and replanting of barley, flax, oat or wheat crop. A cultivation to a minimum depth of 10 cm is recommended 7 days prior to seeding. Refer to "Sensitive Plants" and "Crop Rotation" sections for other crop recommendations.

Crop Rotation

Flax fields treated with **FLAXMAX Herbicide** Tank Mix can be seeded to barley, canola, corn, flax, mustard, oats, rye, sugar beets, wheat or should be summerfallowed. **Do not seed to crops other than those listed above for at least one year following treatment.**

Grazing Statement

Do not graze the treated crop or cut for hay; sufficient data are not available to support such use.

Pre-Harvest Interval

Sixty (60) days is required after application, before harvesting the mature crop.

STRESS CONDITIONS

When weeds are stressed due to drought, flooding or prolonged hot or cool temperatures (15°C or less), control can be reduced or delayed since weeds are not actively growing. Weed escapes or re-tillering 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.**

Avoid application under humid and especially hot and humid conditions. Do not apply tank mix during flowering. Caution should be taken to avoid non-uniform applications, e.g. overlapping.

Do not apply if rain is forecast within six hours.

TO REDUCE SPRAY DRIFT

1. Use coarse sprays at low pressures (240 - 275 kPa).
2. Use 100 L/ha of spray solution.
3. Spray when the wind velocity is 16 km/h or less.

EQUIPMENT CLEAN-UP

Equipment used to apply **FLAXMAX Herbicide** Tank Mix should not be used to apply other pesticides to sensitive crops without thorough cleaning. Wash sprayer thoroughly after use to avoid damage to the next crop sprayed, especially if it is a cereal, forage or corn crop.

RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, **FLAXMAX Herbicide** Tank Mix is Group 1 and Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to **FLAXMAX Herbicide** Tank Mix and other Group 1 and 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** Tank Mix or other Group 1 and 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.

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4. May cause irritation of eyes and skin. Avoid inhalation of vapour or spray mist and contact with eyes, skin or clothing.
5. Wash thoroughly after handling and before eating, drinking, smoking or going to the washroom. Take a shower immediately after work.
6. During mixing, loading, application, clean up and repair, wear long-sleeved shirt, long pants, socks, shoes and chemical resistant gloves. Goggles or a face shield are required during mixing and loading.
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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. The user assumes the risk to persons or property that arises from any such use of this product.

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