

05-JUN-2002



GROUP	18	HERBICIDE
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ASULOX F
LIQUID SELECTIVE WEEDKILLER

CONTAINS ASULAM

FOR THE POST-EMERGENCE CONTROL OF
WILD OATS IN FLAX (EXCLUDING LOW LINOLENIC ACID VARIETIES)
AND FOR THE CONTROL OF BRACKEN FERN IN LOWBUSH BLUEBERRIES,
NON CROPLAND AND IN WOODLAND MANAGEMENT SITES

AGRICULTURAL

GUARANTEE: ASULAM 400 g/L

REGISTRATION NO. 11341
PEST CONTROL PRODUCTS ACT

READ THE LABEL BEFORE USING

Aventis CropScience Canada Co.
295 Henderson Drive
Regina, SK S4N 6C2
1-888-AVENTIS (1-888-283-6847)

IN CASE OF SPILLS, POISONING OR FIRE, TELEPHONE EMERGENCY RESPONSE
NUMBER COLLECT 1-800-334-7577 (24 HOURS A DAY).

NET CONTENTS: 20 LITRES

WILD OAT CONTROL IN FLAX (EXCLUDING LOW LINOLENIC ACID VARIETIES)

DIRECTIONS:

SPRAYER:

1. Wash the tank and clean all filters, screens and tips.
2. Select nozzle tips to apply 50 to 100 litres of spray per hectare at a pressure of 275 kPa and a ground speed of 5 to 10 km/h. Use of floodjet-type tips is not recommended.
3. Ensure that the pressure gauge and nozzle tips are in good condition.
4. Adjust boom height to ensure uniform spray coverage of the wild oats.
5. Operate the sprayer in field conditions to determine the amount of water applied per hectare.

RATE:

Use 2.75 L ASULOX F per ha in 50 to 100 L of water (20 L treats 7.25 ha) with ground equipment only. Spray at a pressure of 275 kPa.

MIXING:

ASULOX alone: Half fill the tank with clean water. Add the required amount of ASULOX F and mix thoroughly. Fill the tank and stir again before use.

BUCTRIL M/ASULOX F tank mix: Half fill the tank with clean water. Add the required amount of BUCTRIL M and mix thoroughly. Add the ASULOX F while filling the tank. Stir well before use.

APPLICATION:

WILD OATS: Apply ASULOX F when the wild oats are in the 2 to 4-leaf stages (majority 2 to 3-leaf) and the flax plants are 2.5 to 15 cm high.

WARNING: DO NOT spray unthrifty crops or when flax is under stress due to drought or excess soil moisture. DO NOT spray in hot, humid weather conditions.

ANNUAL WEEDS: ASULOX F suppresses growth of wild mustard, stinkweed, wild buckwheat, smartweeds and lady's-thumb when sprayed in the seedling stage. Volunteer wheat, green foxtail (wild millet) and barnyard grass are suppressed when treated at the 1 to 3 leaf stage. Seed production by these weeds may not be completely prevented.

The addition of BUCTRIL M as tank-mix (at the rate of 0.93 L per ha for BUCTRIL M 450 g/L or 0.75 L per ha for BUCTRIL M 560 g/L) improves the control of these weeds and also controls lamb's-quarter and shepherd's-purse. Mixtures with other chemicals are not recommended.

Refer to the BUCTRIL M label for all precautions, limitations and correct application timing.

NOTES:

- a) Time the application of ASULOX F when the majority of plants are in the 2 to 3 leaf stage. This usually provides optimum results. Do not wait for possible later emergence of other weeds.
- b) Spray when growing conditions are good. Application in cool, dry periods may reduce the effectiveness of the treatment.
- c) ASULOX F checks the growth of wild oats shortly after spraying. The full effect of the treatment may not be seen for 2 to 4 weeks.
- d) Temporary slight yellowing of the flax leaves may be seen a few days after spraying. Crop recovery from wild oat competition may be slow if the weeds have been allowed to smother the flax. Some check to crop height and possible delay in maturity may be noticed.
- e) Application within the recommended range of 50 to 100 litres of water per hectare is important for satisfactory crop tolerance and wild oat control.
- f) Avoid spray drift onto other crops.
- g) Avoid spraying if rain is expected within 8 hours.
- h) Avoid spraying when foliage is wet.

**CONTROL OF BRACKEN FERN IN LOWBUSH BLUEBERRIES,
NON CROPLAND AND IN WOODLAND MANAGEMENT SITES
DIRECTIONS:**

SPRAYER (Crop or *hand):

1. Wash the tank and clean all filters, screens and tips.
2. Select nozzle tips to apply 200 litres of spray per hectare at a pressure of 275 kPa and a ground speed of 5 km.p.h. Use of flood jet-type tips is not recommended. Apply by ground equipment only.
3. Ensure that the pressure gauge and nozzle tips are in good condition.
4. Adjust boom height to ensure uniform spray coverage of the bracken fern.
5. Operate the sprayer in field conditions to determine the amount of water applied per hectare.

* Walking at 1m/sec. is about 3.5 km.p.h.

RATE: 5.5 LITRES ASULOX F PER HECTARE in 200 litres of water. Spray at a pressure of 275 kPa.

MIXING: Half fill the tank with clean water. Add the required amount of ASULOX F and mix thoroughly. Fill the tank and stir again before use.

APPLICATION:

Control of Bracken Fern in Lowbush Blueberries. Apply ASULOX F at, or just before, ‘full frond’ (when most of the fronds or leaves have fully unfurled but before they begin to turn brown). July is the best month for application.

Apply only during the growing season after burning when there is no fruit to be harvested.

Control will also be observed the year following application of ASULOX F. No visible control symptoms will be seen the year of application.

Control of Bracken Fern in Non-Cropland and in Woodland Management Sites.

Apply ASULOX F at, or just before, ‘full frond’ (when most of the fronds or leaves have fully unfurled but before they begin to turn brown). July is the best month for application.

Woodland management sites may be sprayed in the summer before planting is due, and then planted up in accordance with normal practice for the district. No problems will occur with residual herbicide action on following seedlings provided at least six weeks elapses between spraying and seeding.

If livestock are in the field they should be removed during the spray operation. Do not cut or disturb the treated field after treatment.

It is advisable to spray on a warm dry day. Heavy rainfall within a few hours of treatment may lessen the effect of ASULOX F.

Avoid spray drift onto other crops. Avoid spraying when foliage is wet.

HERBICIDE RESISTANCE MANAGEMENT:

For resistance management, Asulox F is a Group 18 herbicide. Any weed population may contain or develop plants naturally resistant to Asulox F and other Group 18 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 Asulox F or other Group 18 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 your local Aventis representative, or call Aventis CropScience Canada Co. toll-free at 1-888-283-6847.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Avoid contact with skin, eyes and clothing. Store the container tightly closed away from seeds, fertilizer, plants and foodstuffs. Wash concentrate from skin or eyes immediately. Avoid breathing spray mist. After use wash hands and other exposed skin. Avoid contamination of ponds, streams, rivers and other water sources.

DO NOT APPLY BY AIR.

If this 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., contact 1-866-375-4648 or www.cropro.org/.

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

FIRST AID:

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention. ASULOX F may be irritating due to its slight alkalinity. Remove any contaminated clothing and wash exposed skin with soap and water. **In case of eye contamination** flush with water. **If ingested** obtain medical attention and take container label with you or contact a poison control centre.

PROTECT FROM FROST:

Do not expose "ASULOX" F to freezing temperatures. Store at temperatures above 0°C.

DISPOSAL:

Recyclable Container 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.

Disposal of Unused, Unwanted Product: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

Disposal of Unused Spray Solution: If any spray solution remains in the tank after spraying is finished, it should be sprayed on the perimeter of the area just sprayed, away from water supplies, ditches, and irrigation canals.

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

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