

26 AUG 1992

Karen S. Shearer
Rhone-Poulenc AG Company
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, NC 27709

Dear Ms. Shearer:

Subject: Revised Labeling - Delete Use on Ditchbanks
Asulox Herbicide
EPA Registration No. 264-447
Your Submission Dated November 1, 1989

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provisions:

- 1) Correct the spelling of the active ingredient to read "methyl sulfanilylcarbamate."
- 2) Add a Net Contents statement to the front panel.
- 3) Due to new EPA policy, part of the Environmental Hazards section has been changed. To comply, change the sentence "Do not apply to water or wetlands (swamps, bogs, marshes and potholes)" to read "Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark."
- 4) Add the following precautions to the end of the directions for use on sugarcane:

"Do not treat sugarcane within 90 days of harvest. Do not graze or feed sugarcane forage and fodder to livestock."

CONFERENCES							
SYMBOL	NH7505C						
SURNAME	D. KENNY						
DATE	8/25/92						

A stamped copy is enclosed for your records. Please submit five (5) final printed copies for the referenced label, incorporating the above changes.

Sincerely yours,

Joanne I. Miller
Product Manager (23)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

CONCURRENCES

SYMBOL	H7505C						
SURNAME	D. KENNY						
DATE	11/8/25/92						

ASULOX[®] Herbicide

Folio Copy

For Postemergent Weed Control in Sugarcane, Turf, Ornamentals, Christmas Tree Plantings and Non-Cropland.

ACTIVE INGREDIENT

Sodium salt of asulam (methyl sulfanilyl carbamate)*36.2%

INERT INGREDIENTS:.....63.8%

*Equivalent to 33.1% asulam or not less than 3.34 lbs. per gallon.

EPA Reg. No. 264-447

EPA Est. No. 572-42-FL-001

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

For **PRODUCT USE** Information Call 1-800-334-9745

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577

PRECAUTIONARY STATEMENTS

CAUTION

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling.

STATEMENT OF PRACTICAL TREATMENT

ON SKIN: Wash with plenty of soap and water. If irritation persists, get medical attention.

IF IN EYES: Flush with water for 15 minutes and get medical attention if irritation persists.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands (swamps, bogs, lagoons, marshes or potholes). Do not clean equipment or dispose of equipment washwater in a manner that will contaminate resources. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

Do not apply ASULOX[®] Herbicide through any type of irrigation systems.

SUGARCANE

ASULOX[®] Herbicide can be applied to either plant cane or cane grown for stubble. Apply ASULOX[®] as a water mix spray for ground applications. Use 15 to 100 gallons of water per acre, depending on local practice. For aerial application, ASULOX[®] Herbicide should be mixed in 3 to 5 gallons of water per acre,

except in Hawaii, where 5 to 10 gallons of water per acre should be used.

Addition of an adjuvant cleared for use on growing crops to the ASULOX[®] Herbicide water mix spray will improve weed control when environmental conditions are not optimal. Use either a non-ionic surfactant containing a minimum of 80% active ingredient at the rate of 1 to 2 quarts per 100 gallons (0.25 to 0.5% V/V) of water mix spray or a crop oil concentrate containing 80 to 85% paraffin based petroleum oil and 15 to 20% non-ionic surfactant at the rate of 4 quarts per 100 gallons (1% V/V) of water mix spray.

The rates of ASULOX[®] Herbicide given below are for broadcast applications. For banded application, reduce the rate proportionally to the width of the band according to the following formula:

$$\frac{\text{Band width(inches)}}{\text{Row width(inches)}} \times \text{Broadcast Rate} = \text{Band Rate/Acre}$$

For spot treatments, use 6 to 12 pints of ASULOX[®] Herbicide in 100 gallons of water and apply in an amount not to exceed 50 gallons of total spray solution per acre. Do not exceed 8 pints per acre per treatment.

ASULOX[®] Herbicide should be used when the weeds are actively growing.

Do not plant crops other than sugarcane in treated area. Cover crops may be planted if plowed under and not grazed.

Do not treat sugarcane within 90 days of harvest.

Do not graze or feed sugarcane fodder and forage to livestock.

Do not rotate with any crop which is not registered for use with ASULOX[®] Herbicide for 1 year following the last application of this chemical.

SUGARCANE

For Single Application Per Growing Season

WEED SPECIES	SPECIAL INSTRUCTIONS	RATE
Richgrass or Raoulgrass (<i>Rottboellia exaltata</i>)	Apply when the grass is 12 inches tall or less (addition of surfactant is necessary).	8 pints/acre
Johnsongrass (<i>Sorghum halepense</i>)	Apply when the grass is between 18 to 24 inches tall. <i>ACCEPTED</i> With COMMENTS in EPA Letter 10/25/81	
Paragrass or Californiagrass (<i>Brachiaria mutica</i> or <i>Panicum purpurascens</i>)	Apply when the grass is 6 to 8 inches tall or less	

SUGARCANE

For Single Application Per Growing Season (Cont'd)

WEED SPECIES	SPECIAL INSTRUCTIONS	RATE
Crabgrass (<i>Digitaria spp.</i>)	If treatment is made before the grass reaches seed head formation then the lower rate should be used. If the grass is in early seed head formation then the higher rate should be used.	6 to 8 pints/acre
Alexandergrass (<i>Bracharia plantaginea</i>) Foxtail (<i>Setaria spp.</i>) Goosegrass (<i>Eleusine indica</i>) Broadleaf Panicum (<i>Panicum adspersum</i>) Barnyardgrass (<i>Echinochloa crusgalli</i>)	If treatment is made when the grass is 6 to 8 inches tall or less, then the lower rate should be used. If the grass is greater than 8 inches tall, then the higher rate should be used.	

SUGARCANE

Two Applications Per Growing Season

This may be required when initial weed infestations are heavy or reinfestation from seed occurs. Two applications may also be used when treating weed species which germinate at different times during one growing season.

WEED SPECIES	SPECIAL INSTRUCTIONS	1st Application	2nd Application
Crabgrass (<i>Digitaria spp.</i>)	At each application the grass should be treated before seed head formation.	6 to 8 pints/acre	6 to 8 pints/acre
Itchgrass or Raoulgrass (<i>Rottboellia exaltata</i>)	At each application the grass should be 12 inches tall or less (Addition of surfactant is necessary).	8 pints/acre	8 pints/acre
Johnsongrass (<i>Sorghum halepense</i>)	At each application the grass should be between 18 and 24 inches tall.	8 pints/acre	4 to 8 pints/acre

NON-CROPLAND

ASULOX® Herbicide may be used as a postemergent treatment to control weeds on non-cropland areas such as:

Boundary fences	Railroad rights-of-way and yards
Fence rows	Storage areas and industrial plant sites
Highway and roadside rights-of-way	Utility rights-of-way and yards
Lumberyards	Warehouse lots
Pipeline rights-of-way	

A surfactant may be added to the spray solution at 0.25% by volume. (Use an approved non-ionic surfactant.)

Apply ASULOX® as a water-mix spray for ground applications using 20 to 100 gallons of solution per acre, depending on local practice, to control the following weed species:

WEED SPECIES	SPECIAL INSTRUCTIONS	RATE
Crabgrass (<i>Digitaria spp.</i>)	Apply before the grass reaches seed head formation.	
Johnsongrass (<i>Sorghum halepense</i>)	Apply when the grass is 18 inches or taller. Use the higher rate in well established heavy infestations. For spot treatment in Hawaii, use the higher rate in 100 gallons of solution and apply an amount not to exceed 50 gallons of total solution per acre	1 to 2 Gals./Acre
Paragrass or Californiagrass (<i>Bracharia mutica = Panicum purpurascens</i>)	Apply before the grass reaches seed head formation. For spot treatment in Hawaii, use the same rate in 100 gallons of solution and apply an amount not to exceed 50 gallons of total solution per acre.	
Western Bracken (<i>Pteridium aquilinum var. pubescens</i>)	Apply when the fern is in full frond.	7 to 8 Pints/Acre

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CHRISTMAS TREE PLANTINGS

ASULOX® Herbicide may be used as a postemergent treatment in Christmas Tree Plantings where Douglas Fir, Grand Fir, Nobel Fir or Scotch Pine are grown. Do not graze or feed foliage from treated areas to livestock.

ASULOX® Herbicide should be applied as a water mix spray. For ground application, use a minimum of 20 gallons of solution per acre; and for aerial application, use a minimum of 10 gallons of solution per acre. Do not use a wetting agent with ASULOX® Herbicide.

WEED SPECIES	SPECIAL INSTRUCTIONS	RATE
Western Bracken (<i>Pteridium t. julinum</i> var. <i>pubescens</i>)	Apply after bud break and hardening or firming of new tree growth. Bracken should be in full frond prior to treatment.	1 Gal./Acre

TURF

ASULOX® Herbicide can be applied on St. Augustinegrass and Tifway 419 Bermudagrass turf. Apply one application per season postemergence to the weeds listed below. Use 20 to 50 gallons of water per acre in the spray solution.

TURF SPECIES	WEED SPECIES	RATE
St. Augustinegrass	Bullgrass (<i>Paspalum supinum</i>), Crabgrass (<i>Digitaria sp.</i>), Goosegrass (<i>Eleusine indica</i>)	5 Pints/Acre
Tifway 419 Bermudagrass	Sandbur (<i>Cenchrus sp.</i>)	

Do not use a surfactant. Do not apply to turf which is under stress or freshly mowed.

ORNAMENTALS

ASULOX® Herbicide can be applied as a single, postemergent, broadcast application on the following ornamentals:

JUNIPERS		YEW
Juniperus andorra	Juniperus horizontalis	Taxus cuspidata
Juniperus chinensis	Juniperus litoralis	Taxus media
Juniperus conferta	Juniperus sabina	Pondocarpus macrophyllus

Treatment should be made with a minimum of 20 gallons of water per acre. Do not use a surfactant.

WEED SPECIES	SPECIAL INSTRUCTIONS	RATE
Barnyardgrass (<i>Echinochloa crus-galli</i>) Crabgrass (<i>Digitaria sp.</i>) Fall Panicum (<i>Panicum dichotomiflorum</i>) Foxtails (<i>Setaria sp.</i>) Goosegrass (<i>Eleusine indica</i>) Horseweed (marestail) (<i>Conyza canadensis</i>)	Apply when the weeds are between the stages of early seedling and early seed head formation.	1 Gal./Acre

Local conditions may affect the use of this chemical. Consult State Agricultural Extension or Experiment Station weed specialists for specific recommendations for local weed problems and for information on possible lower dosages.

STORAGE AND DISPOSAL

STORAGE

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Store at temperatures above 20° F.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Triple rinse or equivalent. Puncture and dispose of in a sanitary landfill or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions, and (c) that the directions warnings and other statements on this label are based upon responsible experts evaluation of reasonable tests of effectiveness of toxicity to laboratory animals and to plants and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES EXPRESS OR IMPLIED AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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NOTICE TO BUYER

Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside of the United States.

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Research Triangle Park, North Carolina 27709

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ASULOX Herbicide (PENDING) submitted 11/1/89.