

US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

64764-3

DATE OF ISSUANCE

MAY 2, 1991

TERM OF ISSUANCE

conditional

NAME OF PESTICIDE PRODUCT

1,1-DICHLOROETHANE

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

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A. I., Inc.
P.O. Box 506
Isle of Palms, SC 29451

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NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 5(c)(7)(A) provided that you:

1. Submit a copy of the final printed labeling for registration/reregistration of this product under FIFRA section 5(d) when the Agency receives all registrants of FIFRA products to which it shall apply and accept acceptable response materials for the registrant of your product under FIFRA sec. 4.
2. Add the phrase "EPA Registration No. 64764-3" to the label before you release the product for shipment.
3. Submit five (5) copies of the final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 5(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

BEST AVAILABLE COPY

APPROVED FOR THE REGISTRANT
BY: _____
DATE: _____

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

MAY 2 1991

DRAFT

ASULAM Liquid Herbicide

For Agricultural and Commercial Use Only. Not For Use by Homeowners.

For Postemergent Weed Control in Sugarcane and St. Augustine Turf.

ACTIVE INGREDIENT: Sodium salt of asulam (methyl sulfanilylcarbamate)*36.2%
INERT INGREDIENTS:63.8%

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

EPA Reg. No. 64764-02

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION

For PRODUCT USE Information Call _____
For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day _____

PRECAUTIONARY STATEMENTS

CAUTION

HAZARD TO HUMANS AND DOMESTIC ANIMALS

Avoid contact with skin, eyes, or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment. If no such instructions for washables, use detergent and hot water. Keep and wash personal protective equipment separately from other laundry.

ENGINEERING CONTROL STATEMENTS

When handlers use closed systems, enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler personal protective equipment requirements may be reduced or modified as specified in the Worker Protection Standard.

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

STATEMENT OF PRACTICAL TREATMENT

IF 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.

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ACCEPTED
with COMMENTS
in EPA Letter Dated

MAY 2 1994
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
64764-3

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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.
Read entire label before using this product.**

Do not apply ASULAM Liquid Herbicide through any type of irrigation systems.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Personal protective equipment required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil or water are coveralls, waterproof gloves and shoes plus socks

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, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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SUGARCANE

ASULAM Liquid Herbicide can be applied to either plant cane or cane grown for stubble. Apply as a water mix spray for ground applications. Use 15 to 100 gallons of water per acre, depending on local practice. For aerial application, ASULAM Liquid 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 ASULAM Liquid 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 ASULAM Liquid 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 ASULAM Liquid 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 of Asulam Liquid Herbicide per acre per treatment.

SUGARCANE

Single Application Per Growing Season

WEED SPECIES	SPECIAL INSTRUCTIONS	RATE
Itchgrass or Raoulgrass (Rottboellia exaltata)	Apply when the grass is 12 inches tall or less (addition of surfactant is necessary).	8 pints/acre
Johnsongrass (Sorghum halepense)	Apply when the grass is between 18 to 24 inches tall.	
Paragrass or Californiagrass (Brachiaria mutica or Panicum purpurascens)	Apply when the grass is 6 to 8 inches tall or less.	
Crabgrass (Digitaria spp.)	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 (Brachiaria plantaginea) Foxtail (Setaria spp.) Goosegrass (Eleusine indica) Broadleaf Panicum (Panicum adspersum) Barnyardgrass (Echinochloa crusgalli)	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.	

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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 (Digitaria spp.)	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 (Rottboellia exaltata)	At each application the grass should be 12 inches tall or less (Addition of surfactant is necessary).	8 pints/acre	8 pints/acre
Johnsongrass (Sorghum halepense)	At each application the grass should be between 18 and 24 inches tall.	8 pints/acre	4 to 8 pints/acre

RESTRICTIONS AND PRECAUTIONS: Sugarcane

- ASULAM Liquid 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 ASULAM Liquid Herbicide or ASULOX® Herbicide for 1 year following the last application of this chemical.

TURF

ASULAM Liquid Herbicide can be applied on St. Augustinegrass 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 (Paspalum supinum), Crabgrass Digitaria sp.), Goosegrass (Eleusine indica)	5 pints/acre

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

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.

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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, NOT DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES EXPRESS OR IMPLIED AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF 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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