

MAY 27 1993

Ms. Glenda Haage
Riverside/Terra Corporation
600 Fourth Street
Sioux City, IA 51101

Dear Ms. Haage:

Subject: Second Over-The-Top Application to Cotton
DSMA Herbicide
EPA Registration No. 9779-128
Your Submission Dated January 26, 1993

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/-reregistration of your product under FIFRA section 3(c)(5) or 4(a) when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- Update the Environmental Hazards Statement to include the following:

For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters.

Refer to PR Notice 93-3.

3. Submit one (1) copy of your 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 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

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A stamped copy of the label is enclosed for your records.

Note that this acceptance of your label does not relieve you of your obligation to comply with the Worker Protection Standard (WPS). If any of your products are covered by the WPS, you are required to submit, and receive the Agency's approval by April 21, 1994, of a revised label reflecting the required label statements of 40 CFR 156, published in the **FEDERAL REGISTER** on August 21, 1992 (57 FR 38102). Further guidance will be issued. According to 40 CFR 156, subpart K, specifically § 156.200(c)(3): "No product to which this subpart applies shall be distributed or sold without amended labeling by any registrant after April 21, 1994."

Sincerely yours,

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Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (H7505C)

PM22 9779-128

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WPS

ACCEPTED
with COMMENTS
In EPA Letter Dated:

625962-LABEL128

MAY 27 1993

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DSMA HERBICIDE

Contains 3.6 pounds of DSMA plus surfactant

Under the Federal Insecticide
Fungicide, and Rodenticide Act
registered, for the pesticide
registered under EPA Reg. No.
9779-128

ACTIVE INGREDIENT

Disodium Methanearsonate, anhydrous*	21.8Z
INERT INGREDIENTS	78.2Z
TOTAL	100.0Z

Total arsenic (as elemental) all in water soluble form 8.9Z
*Product contains 3.6 pounds of DSMA per gallon.

STOP--READ LABEL BEFORE USING.

KEEP OUT OF REACH OF CHILDREN
CAUTION
STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Contact your local poison control center, hospital, or physician. If the patient is unconscious, maintain breathing and heartbeat (cardiopulmonary resuscitation). If the patient is conscious and alert, induce vomiting (syrup of ipecac or stimulate the back of the throat with a finger). Never give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air and apply respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash with soap and water.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation persists.

See additional PRECAUTIONARY STATEMENTS on side panel.

EPA Reg. No. 9779-128

EPA Est. Nos. 9779-AL-1M, 9779-AR-1
(Lot no. indicates establishment.)

Manufactured For
RIVERSIDE/TERRA CORPORATION
Terra Centre, 600 Fourth Street, Sioux City, Iowa 51101
Riverside Serves Agriculture. Agriculture Serves Everyone.

NET CONTENTS:
GALS.

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Avoid contact with skin. Avoid breathing spray mist. Wash hands after using. Keep children and domestic animals off treated areas until this material has been washed into the soil. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation system.

REENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

NOTICE TO CROP OWNERS

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. In case of accidental exposure follow the information given under STATEMENT OF PRACTICAL TREATMENT and have exposed person(s) see a physician. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is a reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: CAUTION. Area treated with DSMA on (date). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, refer to the STATEMENT OF PRACTICAL TREATMENT on the label.

PROTECTIVE CLOTHING REQUIREMENTS

Wear protective clothing when handling or applying this product including long pants, long-sleeve shirt, and impermeable gloves and boots. Mixer-loaders should include an apron and full-face shield when handling or mixing concentrate. Flagmen should be fully protected during spray operations or mechanical flagmen used. Pilots and ground spray rig applicators should wear a mask or respirator approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health.

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STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.
STORAGE

Store in a dry location away from children, animals, foods, feeds, seeds, or other agricultural chemicals. Handle in accordance with information given under PRECAUTIONARY STATEMENTS. In the event of spillage or leakage, soak up material with absorbent clay, sand, sawdust, or other absorbent material. Scrape up and dispose of in accordance with information given under DISPOSAL. Repackage and relabel useable product in a sound container. In case of fire or other emergency, report at once by toll-free telephone to 800-424-9300.

DISPOSAL

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: Plastic Containers--Triple rinse (or equivalent). Then offer for recycling or reconditioning, or 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. Metal Containers--Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

GENERAL INFORMATION

DSMA Herbicide is useful for selective post-emergent weed control, particularly for grassy weeds. It is a combination of herbicide and surfactants. It is unnecessary to add any other surfactant to the spray solution. Best results are obtained on young, actively growing weeds at air temperatures above 70°F.

COTTON: DSMA Herbicide is useful as a spray application to weeds in cotton for post-emergence control of grasses and broadleaved weeds, including barnyard-grass, crabgrass, cocklebur, dallisgrass, foxtail, goosegrass, Johnsongrass, morningglory, nutsedge, pigweed, puncture vine, ragweed, sandbur, and watergrass.

PREPLANT OR POSTPLANT UP TO CRACKING APPLICATION ON COTTON: A single ground or aircraft application of DSMA Herbicide can be made to prepared cotton seedbeds when planting has been delayed and weeds have emerged, or as a post-plant treatment, but no later than initial cracking of soil in field before emergence of cotton. Planting of cotton may immediately follow the preplant application. Mix at a rate of 1 gallon of DSMA Herbicide in 40 gallons of water for broadcast ground application, or in 5 to 10 gallons of water for aircraft application and apply to one acre using a properly calibrated sprayer.

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POSTEMERGENT, OVER-THE-TOP APPLICATION ON COTTON: A single ground or aircraft application may be made as an over-the-top broadcast spray to actively growing cotton as a salvage operation when cotton is 3 to 6 inches high or up to early first square stage, whichever occurs first. Mix DSMA Herbicide at a rate of 3 to 4 pints in 40 gallons of water for ground application, or in 5 to 10 gallon of water for aircraft application and apply to one acre using a properly calibrated sprayer. A second or repeat application, if needed, should be timed about 1 to 3 weeks after the first application. Apply as an over-the-top broadcast spray only when cotton is 3 to 6 inches high or up to early first square stage, whichever occurs first.

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Do not apply as an over-the-top broadcast spray after cotton is more than 6 inches high or after early first square stage.

Slight burning and reddish discoloration of cotton foliage may occasionally be seen following recommended treatment.

DIRECTED APPLICATION: Direct the spray solution to the base of the cotton plant. Nozzles should be placed so as to avoid spraying the cotton foliage, but to give good coverage of the weeds and grasses. Apply the spray solution at a broadcast rate of 40 gallons per acre. For band application apply at a rate of 1 gallon of the spray solution per 1 inch of band width to be treated on cotton grown in 40-inch rows. A second application may be required during humid growing conditions. Time the second application, if necessary, about 1 to 3 weeks after the first application.

Apply only when cotton is 3 inches high to first bloom. Do not apply after first bloom.

Slight burning and a reddish discoloration of the cotton leaves may occasionally occur following the recommended treatment but the cotton plant will develop normally.

PRECAUTION: Do not feed treated foliage to livestock or graze treated fields.

AGRICULTURAL PLANTINGS: DSMA Herbicide is useful as a directed application in non-bearing vineyards and in non-bearing deciduous fruit, nut, and citrus orchards, such as almond, apple, apricot, cherry, grapefruit, lemon, lime, orange, peach, pear, plum, prune and tangerine orchards. It should be applied at the rate of 3 1/2 to 7 quarts per acre.

Mix DSMA Herbicide at the rate of 3 1/2 quarts in 50 gallons of water. Apply as a directed spray in interspaces and around bases of trees or vines. Spray unwanted vegetation to just short of run-off. If regrowth occurs, reapply as required. However, do not exceed 3 applications per year.

Do not allow spray solution to contact leaves, stems, or bark. Use a shield, if necessary, for nursery plantings or young trees. Do not apply around trees or vines from which fruit will be harvested within one year of treatment.

NON-CROP: DSMA Herbicide is useful for controlling crabgrass, cocklebur, dallisgrass, goosegrass, Johnsongrass, morningglory, nutsedge, pigweed, ragweed, watergrass, and similiar weeds on drainage ditchbanks, rights-of-way, storage yards and similiar non-crop areas.

Mix DSMA Herbicide at the rate of 2 to 4 quarts in 50 gallons of water. Spray the unwanted vegetation thoroughly to the point of run-off. Any spray equipment that gives good coverage may be used. If regrowth occurs, retreat as required.

MIXING INSTRUCTIONS: Fill the spray equipment reservoir about half full with water and add the required amount of DSMA Herbicide with agitation. Finish filling the reservoir with water and apply. After use clean equipment thoroughly by flushing with water. Do not store spray solution in tanks for a prolonged period.

Do not contaminate waters used for domestic consumption or by animals, wildlife and aquatic life, or water for irrigation purposes.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to Seller and Buyer assumes the risk of any such use.

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