



PM-22

Reg # 63239-14

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

April 16, 1996

Barbara Brown
Registration Specialist
APC Holdings
P.O. Box 13347
Memphis, TN 38113-0347

Subject: Label Amendment for Ground and Aerial Application on
Cotton
DSMA Slurry
EPA Reg. No. 63239-14
Your Letter Dated February 14, 1996

Dear Ms. Brown:

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), as amended, will be acceptable provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Add the following statement to the front panel of the label if the Precautionary Statement section is not on the front panel:

"See side panel for additional precautionary statements."

3. Add the following Spray Drift Management statements to the Aerial Application section of the label:

"AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator is responsible for spray drift. The applicator is responsible for considering all these factors when making decisions. The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory."

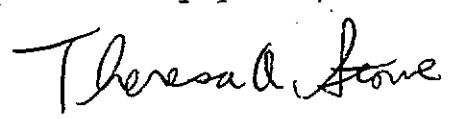
"The following drift management requirements must be followed to avoid off-target movement from aerial applications to agricultural field crops. However, these requirements do not apply to forestry applications, public health uses or to applications using dry formulations."

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees."

"Where States have more stringent regulations, they should be observed."

If these conditions are not complied with after acceptance, the registration will be subject to cancellation in accordance with Section 6(e) of the Act. A stamped copy is enclosed for your records. Submit one (1) copy of your final printed labeling before you release the product for shipment.

Sincerely yours,



Theresa A. Stowe
 Acting Team Leader
 Product Manager (22)
 Fungicide-Herbicide Branch
 Registration Division (7505C)

Enclosure

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ACCEPTED
with COMMENTS
In EPA Letter Dated
APR 16 1996

APC HOLDING

DSMA Slurry
For Selective Post-Emergent Weed Control

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
63239-14

ACTIVE INGREDIENTS:

Disodium Methanearsonate Anhydrous* 36.9%

INERT INGREDIENTS: 63.1%

TOTAL: 100.0%

Total Arsenic (as elemental) all in water soluble form..... 15.1%

*Product contains the equivalent of 7.2 lbs. Disodium Methanearsonate Hexahydrate per gallon.

KEEP OUT OF REACH OF CHILDREN
CAUTION

STATEMENT OF PRACTICAL TREATMENT
IF SWALLOWED: Call a Physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
IF IN EYES: Immediately flush eyes with plenty of water and get medical attention.
IF ON SKIN: Immediately wash skin with plenty of soap and water after removing contaminated clothing and shoes. If irritation develops, seek medical attention.
IF INHALED: Remove victim to fresh air.

Manufactured by:
APC Holdings, Inc.
P. O. Box 13347
Memphis, TN 38113-0347

EPA Reg. No. 63239-14
EPA Est. No. 19713-MS-1

AMENDMENT: Adding Over-The-Top - 02/14/96

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMAN AND DOMESTIC ANIMALS
CAUTION: Harmful if swallowed. May cause irritation of eyes, nose, throat and skin. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Do not contaminate feed and food stuffs.
PERSONAL PROTECTIVE EQUIPMENT
 Applicators and other handlers must wear: Long-sleeved shirt and long pants, Waterproof gloves, Chemical-resistant footwear and socks, Protective eyewear, and Chemical-resistant apron when mixing or loading,
 For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approved prefix TC-21C). For exposures in enclosed areas, a respirator with either an organic-vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).
 Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.
 When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS
 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.
 Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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 apply to banks of ditches used for irrigation. Do not contaminate water used for irrigation or domestic purposes. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from areas treated.

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 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 regulation.

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 (PPE), and restricted-entry interval. 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.

PPE 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 is:

Coveralls, waterproof gloves, and chemical-resistant footwear plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and domestic animals off treated areas until this material has been washed into the soil.

GENERAL INFORMATION

DSMA SLURRY is useful for selective post-emergent weed control, particularly for grassy weeds. It is a combination of herbicide and surfactant. It is not necessary to add additional surfactant to the spray solution. Best results are obtained on young, actively growing weeds at air temperatures above 70°F.

MIXING INSTRUCTIONS: DSMA SLURRY is completely water soluble. Fill the spray equipment tank about half full with water and add the required amount of herbicide with agitation. Finish filling the tank with water and apply. After use, clean equipment thoroughly by flushing with water. Do not store spray solution in tank for a prolonged period. DSMA SLURRY is moderately corrosive. Do not use in galvanized or aluminum equipment.

COTTON: DSMA SLURRY is useful as a directed application in cotton for post-emergent control of weeds and grasses such as johnsongrass, nutsedge, dallisgrass, cocklebur, ragweed, sandbur and puncturevine. Add 0.5 gallons of DSMA SLURRY to 40 gallons of water and mix thoroughly. Do not add any surfactant to the spray solution. Apply spray solution at a rate of 40 gallons per treated acre. Weed control is most effective at temperatures above 70°F. For band application in 40 inch rows, apply 1 gallon of spray solution per inch of band width per acre of cotton. Direct the spray solution to the base of the cotton plant. Nozzles should be placed so as to avoid spraying the cotton foliage. If regrowth occurs, make a second application 1 to 3 weeks after the first. Slight burning and a reddish discoloration of the cotton leaf may occasionally occur following the recommended treatment, but the cotton plant will develop normally. Apply when cotton is 3 inches high to first bloom. Do not apply after first bloom. Do not feed treated foliage to livestock or graze treated areas.

MIXING INSTRUCTIONS (Topical by Ground Equipment): Mix 1-1/4 gallons of DSMA SLURRY in 100 gallons of water. Apply 40 gallons of spray solution per treated acre. For topical band application in 40 inch row cotton, apply one gallon of spray for each inch of band width per acre. Apply only when cotton has 1 to 2 true leaves to first square. Do not feed treated foliage to livestock, or graze treated areas.

AERIAL APPLICATION: Apply at a rate of 0.5 gallon of DSMA SLURRY per acre. Mix 5 gallons of DSMA SLURRY in sufficient water to make 50 gallons of spray solution and apply at a rate of 5 gallons per acre. When humidity is low, mix 5 gallons of DSMA SLURRY in sufficient water to make 100 gallons of spray solution and apply at a rate of 10 gallons per acre.

Do not apply by air on windy days or in a manner that would allow spray drift to come in contact with adjacent crops or non-target areas. Do not make topical applications to cotton when drought conditions or cool temperatures prevail. Apply topical only when cotton has 1 to 2 true leaves to first square formation. Do not make topical applications after the first square formation.

CITRUS-BEARING AND NON-BEARING (Except Florida): DSMA SLURRY is useful as a directed application in citrus orchards, such as orange, grapefruit, tangerine, lemon and lime orchards. It should be applied at the rate of 0.5 to 1.0 gallons per acre.

Mix DSMA SLURRY at the rate of 0.5 gallon in 50 gallons of water. Apply as a directed spray in interspaces and around base of trees. 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 fruit, leaves, stems or bark. Use a shield, if necessary, for nursery plantings or young trees.

NON-CROP: DSMA SLURRY is useful for controlling johnsongrass, nutsedge, and certain other weeds in drainage ditchbanks, rights-of-way, storage yards, and similar non-crop areas.

Mix DSMA SLURRY at a rate of 0.5 to 1.0 gallons in 100 gallons of water. No additional surfactant is necessary. Spray the unwanted vegetation thoroughly to just short of run-off. Any spray equipment that gives good coverage may be used. If regrowth occurs, reapply as required. Do not contaminate waters used for domestic consumption, or by animals, wildlife and aquatic life, or for irrigation purposes.

LAWN AND ORNAMENTAL TURF: DSMA SLURRY is useful for control of dallisgrass, crabgrass, sandbur, bahiagrass, nutsedge, chickweed and woodsorrel with little or no injury to tolerant lawn grasses. On new lawns, do not treat until after three mowings. Tolerant grasses may be temporarily discolored. Zoysia, bluegrasses, and bermuda are quite tolerant. Do not use on St. Augustine or centipede.

Amount of DSMA SLURRY Herbicide to be used:		
2 fluid ounces	5 gallons water	1000 square feet
1.25 cups	25 gallons water	5000 square feet

Mow lawns 1 to 1-1/2 inches high before treatment. Spray thoroughly to wet all undesirable plants. Repeat applications, 10 to 14 days apart, may be needed for good control.

DO NOT apply with hose-end applicators.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

STORAGE INSTRUCTIONS: Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool dry area away from any heat or ignition source. Do not stack over 2 pallets high. Move containers by handles or in cases. Do not move containers from one area to another unless they are securely sealed. Keep containers tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. This material is incompatible with aluminum and zinc. Do not expose this concentrate or the spray solution to aluminum or galvanized metal. Store in original containers only. If the contents are leaking or material is spilled, follow these steps while wearing protective clothing.

1. Contain spill, absorb with material such as sawdust, clay granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with water and soap to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Do not allow run off to enter sewer or contaminate water supplies.
6. Dispose of waste as indicated below.

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). 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.

WARRANTY--CONDITION OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage, and handling of this material not in strict accordance with directions given herewith.

In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.