34704-111



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

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William M. Mahlburg AGENT FOR: PLATTE CHEMICAL COMPANY P.O. Box 667 GREELEY, CO. 80632

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

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Subject: Label Amendment Submission of 11/26/93 in Response to PR Notice 93-7 and Request for Reconsideration of April 18, 1994 EPA Reg. No. 34704-111 Clean Crop MSMA 6.6

Dear Registrant:

This letter replaces the letter sent to you on March 24, 1994. The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments listed on the enclosed sheet. Another copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. J. you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.



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Page 2

296

WHAT YOU NEED TO DO NEXT:

By the rext label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

BEFORE selling or distributing any product bearing the final printed labeling AND

■ WITHIN one year from date of this acceptance.

Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL) Office of Pesticide Programs (7505C) U.S. Environmental Protection Agency 401 M Street, SW Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL) Office of Pesticide Programs Room 266A, Crystal Mall 2 1921 Jefferson Davis Highway Arlington, VA 22202

Sincerely, Jim Tompkins, Deputy Chief

Registration Support Branch Registration Division (7505W)

Attachment

WILLIAM M. MAHLBURG PLATTE CHEMICAL

Comments for: EPA REG. NO. 34704-111 CLEAN CROP MSMA 6.6

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

346

User Safety Recommendations must either be placed in a box or printed on the label in a contrasting color from surrounding text.

Move the statement "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." from its current position in the Agricultural Use Box to the "Directions for Use section before "For any requirements specific to your State or Tribe". The question "Do the use directions of your end-use product permit wide-area treatment through fog, aerial, or other broadcast application in or including residential or public areas" was intended to exclude wide-area treatments for such purposes as mosquito abatement in resorts or residential areas where the Agency felt it would be extremely difficult to make applications without workers or other persons being in the area to which the application of the pesticide is being directed (treated area in the How to Comply Manual). Your letter does not provide any explanation as to why it is not practical to make spray applications of your product to non-agricultural sites such as ornamental turf, golf courses, parks, roadsides, etc. without excluding persons other than protected handlers from the area to which the application of pesticide is being directed.

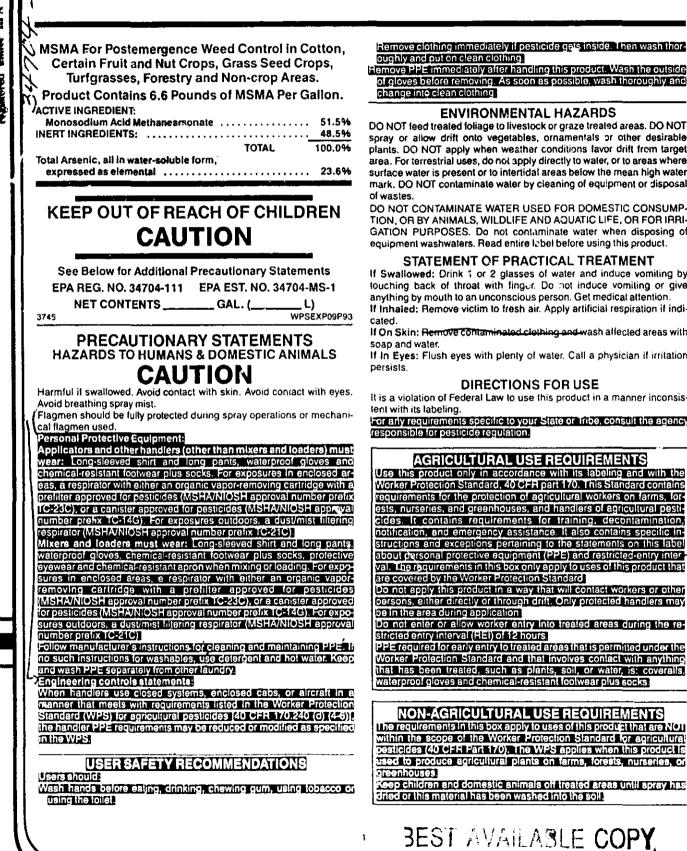
Delete the statement "Remove contaminated clothing and" from the Statement of Practical Treatment. You may leave the statement "Flagmen should be fully protected" in its current position.





MSMA 6.6

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Remove clothing immediately if pesticide gets inside. Then wash thor-

of gloves before removing. As soon as possible, wash thoroughly and

ENVIRONMENTAL HAZARDS

DO NOT feed treated foliage to livestock or graze treated areas. DO NOT spray or allow drift onto vegetables, ornamentals or other desirable plants. DO NOT apply when weather conditions favor drift from target area. For terrestrial uses, 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 contaminate water by cleaning of equipment or disposal

DO NOT CONTAMINATE WATER USED FOR DOMESTIC CONSUMP-TION, OR BY ANIMALS, WILDLIFE AND AQUATIC LIFE, OR FOR IRRI-GATION PURPOSES. Do not contaminate water when disposing of equipment washwaters. Read entire label before using this product.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: 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. Get medical attention. If Inhaled: Remove victim to fresh air. Apply artificial respiration if indi-

If On Skin: Remove contaminated clothing and wash affected areas with

If In Eyes: Flush eyes with plenty of water. Call a physician if irritation

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsis-

For any requirements specific to your State or Tribe, consult the agency

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	AGRICULTURAL USE REQUIREMENTS	
Use ir	his product only in accordance with its labeling and with th	ie
Worke	Protection Standard, 40 CFR part 170. This Standard contain	Б
require	ements for the protection of agricultural workers on farms, fo	K
ests, n	urseries, and greenhouses, and handlers of agricultural pest	ď
cides.	It contains requirements for training, decontamination	a,
notifie	ation, and emergency assistance. It also contains specific in	đ
	ons and exceptions pertaining to the statements on this labe	
	personal protective equipment (PPE) and restricted-entry inte	
val. Lu	e requirements in this box only apply to uses of this product that	1
are cov	vered by the Worker Protection Standard	
Do not	apply this product in a way that will contact workers or othe	Эľ
DBrSOF	is, either directly or through drift. Only protected handlers ma	Ŋ
	te area during application	
Do no	t enter or allow worker entry into treated areas during the re	9
SINCIE	dentry interval (REI) of 12 hours.	
PPE re	quired for early entry to treated areas that is permitted under th	E
Winte	r Protection Standard and that involves contact with anythin	

that has been treated, such as plants, soil, or water, is: coverails, 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

Keep children and domestic animals off treated areas until apray has dried or this material has been washed into the soll.

MSMA 6.6

EPA REG. NO. 34704-111

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Do not store under conditions which might adversely affect the container or its ability to function property.

STORAGE: Store in safe manner. Store in original container only. Keep container tightly closed when not in use. Personnel should use clothing and equipment consistent with good pesticide handling. Reduce stacking height where local conditions can affect package strength. 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: Metal: 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 stale and local authorities. Plastic: 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.

GENERAL INFORMATION

This product is a herbicide for use in cotton, fruit, nuts, goif-courses, lurf, grass seed crops, forestry, and non-crop areas. This product does not contain a surfactant. A suitable non-ionic surfactant, approved for growing crops covered by this label, should be added to the spray tank. Local conditions and recommendations vary; consult local agricultural experiment station or extension service weed specialists for recommendations in your area.

A partial list of weeds	controlled with this product i	ncludes
Bahiagrass	Dallisgrass	Nutsedge
Barnyardgrass	Foxtail	Pigweed
Brachiaria spp.	(Green & Yellow)	Puncturevine
Bulinettle	Goosegrass	Ragweed
Chickweed	Johnsongrass	Sandbur
Cocklebur*	Morningglory	Watergrass
Crabgrass		Wood Sorret

(Smooth & Large)

*Arsenical resistant varieties may not be controlled.

See Golf Course and Turl Uses for weeds controlled at those sites.

MIXING INSTRUCTIONS: This product must be thoroughly dissolved. Fill the spray tank with half the required amount of water and, with pump or agitator operating, add the recommended amount of this product and continue filling the tank with the balance of the water. Add surfactant according to manufacturer's recommended rate and mix thoroughly before using.

DO NOT store spray solution in tank overnight. Clean application equipment thoroughly after use by flushing with water in a safe place.

APPLICATION METHODS: This product should be applied with a lowvolume, low-pressure, properly calibrated sprayer having satisfactory pumping and bypass action. For ground directed spray a, plications adjust nozzles in a manner to allow maximum coverage of weeds (and in a manner to keep spray off Cotton foliage). DO NOT apply with hose-end applicators. Do not apply this product through any type of irrigation system. This product is somewhat corrosive to certain metals therefore use in galvanized steel or aluminum equipment is not recommended.

For aerial application with fixed-wing aircraft or helicopter application, an exactly even swath deposition cannot be achieved, and consequently crop injury or pesticide nonperformance may result wholly or in part. Do not apply by air during periods of thermal inversion.

Apply during warm weather when weeds are in an active stage of growth. Adequate coverage is very important for effective weed control.

DIRECTIONS (continued)

COTTON: This product is useful for the control of weeds listed above and many similar weeds. Application can be made:

 Preplant or postplant up to cracking of soil before cotton emergence using ground or aircraft equipment;

 Postemergent, over the top, when cotton is 3 to 6 inches high or up to early first square stage, whichever occurs first using ground or aircraft equipment.

 Postemergent as a directed spray with ground equipment when cotton is 3 inches high to first bloom.

1) PREPLANT OR POSTPLANT UP TO CRACKING APPLICATION ON COTTON: A single ground or aircraft application of this product can be made to prepared cotton seedbeds when planting has been delayed and weeds have emerged, or as a postplant 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

the rate of 21/2 pints of this product, plus manufacturer's recommended rate of a suitable surfactant, in 40 gallons of water for ground equipment or in 5 to 10 gallons of water for aircraft application, and apply using a properly calibrated sprayer to one acre. See SPECIAL PRECAUTIONS below.

576

2) POSTEMERGENT APPLICATION ON COTTON USING GROUND OR AIRCRAFT EQUIPMENT AS AN OVER-THE-TOP BROADCAST SPRAY when cotton is 3 inches high until early first square stage as a salvage operation. Mix at the rate of 1 to 11/4 pints of this product, plus manufacturer's recommended rate of a suitable surfactant, in 40 gallons of water for ground equipment or in 5 to 10 gallons of water for aircraft application and apply using a properly calibrated sprayer to one acre. A second or repeat application, if needed, should be timed 1 to 3 weeks after the first application. APPLY ONLY AS A SALVAGE OPERATION. APPLY ONLY TO HEALTHY, RAPIDLY GROWING COTTON, 3 INCHES HIGH, BUT NO LATER THAN 6 INCHES HIGH OR EARLY SQUARE, WHICHEVER OCCURS FIRST. PREFERENCE SHOULD BE GIVEN TO DIRECTED SPRAYS. IN ORDER TO MINIMIZE INJURY, THE SECOND APPLICATION SHOULD BE MADE AS A DIRECTED SPRAY WHEN POSSIBLE, DO NOT make more than two (2) applications total of either DSMA or MSMA (or a combination) per season.

3) POSTEMERGENT DIRECTED SPRAY APPLICATION ON COTTON when weeds are small using ground equipment. Mix this product at the rate of 21/2 pint, pius manufacturer's recommended rate of a suitable surfactant, in 40 gallons of water per acre. For band applications, apply 1 gallon in 40 gallons of water per acre. For band applications, apply 1 gallon of above diluted spray per acre for each 1 inch band width to be treated of cotton grown on 40 inch row spacing. A second or repeat application, if needed, should be timed about 1 to 3 weeks after the first application. Keep spray off cotton foliage. APPLY ONLY WHEN COTTON IS 3 INCHES HIGH TO FIRST BLOOM. DO NOT APPLY AFTER FIRST BLOOM.

Slight burning and reddish discoloration of cotton foliage may occasionally be seen following recommended treatment; however, cotton plants will develop normally.

Special Precautions: DO NOT allow spray or spray drift to contact adjacent crops or injury will result. Apply only on still days when weather conditions DO NOT favor drift from areas being treated. Aircraft applications of this product should only be made by applicators experienced in use of herbicides, and application should be made in accordance with State and Federal regulations.

Note: Applications to cotton in Florida should be confined to band treatments.

NON-BEARING FRUIT AND NUTS: This product is effective as directed postemergence spray for control of the above listed weeds in nonbearing almond and walnut orchards and plantings of non-bearing apples, apricols, cherries, peaches, pears, plums and prunes. Mix at a rate of 21/2 pints of this product, plus manufacturer's recommended rate of a suitable surfactant, in 50 to 100 gallons of water, as needed for thorough coverage, and apply to an area of one acre. For spot treatment of weeds, mix 21/2 pints of this product, plus manufacturer's recommended rate of a suitable surfactant, in 50 gallons of water and apply to point of run-off. Application should be made when weeds are small, during warm weather and when conditions are favorable for good weed growth. If regrowth occurs, repeat applications should be made, but not more than three applications per year. DO NOT allow spray solution to contact foliage, stems or bark of trees or vines. DO NOT use around trees or vines from which crops will be harvested within one year. DO NOT GRAZE TREATED AREAS. In Florida, use only as a spot treatment.

CITRUS, BEARING AND NON-BEARING: This herbicide 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 21/2 to 5 pints per acre. Mix at the rate of 21/2 pints, plus manufacturer's recommended rate of a suitable surfactant, 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. In Florida, use only as a spot treatment.

BLUEGRASS, FESCUE, & RYEGRASS GROWN FOR SEED (Pacific Northwest): For control of wild oats and certain other broadleaf and grassy weeds, apply 51/2 to 71/4 pls. of this product, plus manufacturer's recommended rate of a suitable surfactant, per acre in sufficient water for good coverage. Application can be made anytime after weeds emerge and before grass has reached boot stage. Use on grasses grown for seed only. DO NOT USE MORE THAN ONE APPLICATION PER YEAR DO NOT APPLY AFTER BOOT STAGE DO NOT GRAZE TREATED CROP OR ALLOW HAY, SEEDS OR SEED SCREENINGS FROM TFEATED CROP TO BE USED FOR FOOD OR FEED

GOLF COURSE AND ORHAMENTAL TURFGRASS: This product can be used for selective control of Bahigrass, Barnyardgrass, Chickweed, Smooth and Large Crabgrass, Dallisgrass, Nutsedge, Sandbur, and Wood Sorrel with little or no injury to well established, actively growing turfgrasses. Mow turfgrass to a height of 1 to 11/2 inches before treatment On new lawns, do not treat until after three mowings. Mix at a rate

MSMA 6.6 EPA REG. NO. 34704-111

of 21/4 to 21/2 pints, plus manufacturer's recommended rate of a suitable surfactant, in 40 to 100 gallons of water for application to one acre. For small areas, mix 1 fluid ounce (2 tablespoons), plus manufacturer's recommended rate of a suitable surfactant, in 5 gallons of water for application to an area of 1,000 sq. ft. Application should be uniform and thorough to adequately wet all undesirable plants.

Two or more repeat treatments at 14-day intervals may be necessary. Make applications during warm weather when temperature is between 80 and 90°F. DO NOT water turf for at least 24 hours after application. Turfgrasses may be temporarily discolored. Bermudagrass, Bluegrass and Zoysiagrass have shown tolerance to properly applied MSMA. Injury may result if applied to Bentgrasses and Fescues. DO NOT apply to St. Augustinegrass, Carpetgrass, Centlpedegrass, or to Dichondra lawns. DO NOT reseed until 2 weeks after last application.

FORESTRY:

GENERAL INFORMATION ON TREE CONTROL: This product is designed for crown kill of undesirable trees through spaced-cut injection methods. It is useful for the control of the following conifers: Cedar, Douglas fir, Grand fir, Lodgepole pine, Ponderosa pine, Jack pine, Red pine, Silver fir, and Western hemlock. It is also useful for the control of Big leaf maple, but not most hardwoods. It shows negligible translocation through root grafts and has no residual phytotoxic action in the soil. Forked trees require individual treatment.

CARE OF EQUIPMENT: This product is entirely soluble in water. Rinse all injection equipment thoroughly after use.

USE INSTRUCTIONS:

1. SPACED-CUT INJECTION WITH ANSUL "HYPO-HATCHET" IN-JECTOR: The Ansul HYPO-HATCHET Injector cuts and injects in one operation. When a tree is struck with the injector, a pre-set amount of this product is injected automatically into the sapstream of the tree immediately after impact. The injector works by inertia and is designed to inject at least 1 milliliter of chemical per stroke. The cuts should be evenly spaced around the trunk to give proper distribution into the sapwood. For detailed instructions on how to use the Ansul HYPO-HATCHET Injector, refer to the Operation Manual.

CONIFERS (See General Information on Tree Control) AND BIG LEAF MAPLE (Growing Seasce): For trees less than 8 inches diameter at breast height (DBH), make one cut per 2 inches of DBH (41/2" spacing between cut edges) at waist height or below. For trees 8 inches DBH and larger, make one cut per 1 inch DBH (11/2" SPACING BETWEEN CUT EDGES).

CONIFERS (Dormant Season): Make one cut per 1 inch of DBH (11/2" spacing between cut edges) at waist height or below.

BIG LEAF MAPLE (Dormant Season)—Make a complete frill at waist height or below (cuts need not be overlapping).

2. SPACED-CUT APPLICATION: Although spaced-cut application is facilitated by use of the Ansul HYPO-HATCHET Injector, a hatchet or similar cutting tool can be used to make horizontal frills. The number of cuts per tree depends upon the size of the cuts and the volume to be injected, but in any case, should be sufficient to hold the herbicide without running down the trunk. Make certain that each cut penetrates into the sapwood. Large trees with full crowns require almost overlapping frills to effect control. Apply this product with a pump-type oil can, plastic squeeze bottle, or other suitable dispenser.

CONIFERS (See General Information on Tree Control) AND BIG LEAF MAPLE (Growing Season): For trees less than 8 inches diameter breast height (DBH), apply 1 to 2 milliliters of this product per cut per 2 inches of DBH (6" spacing between cut centerlines) at waist height or below. For trees 8 inches DBH and larger, use 1 to 2 milliliters per cut per 1 inch DBH (3" spacing between centerlines).

CONIFERS (Dormant Season): Apply 1 to 2 milliliters of this product per cut per 1 inch of DBH (3" spacing between cut centerlines).

BIG LEAF MAPLE (Dormant Season): Apply 1 to 2 milliliters of this product per cut in a complete frill at waist height or below. (Cuts need not be overlapping.)

1 fluid ounce = 29.57 millititers 1 gallon = 3785 millititers

NON-CROP: This product is effective in control of the above listed weeds and many similar weeds on drainage ditch banks, rights-of-way (including highway, railroad, pipeline and utility), fence rows, goff course sand traps. storage yards and many similar non-crop areas. Application should be made when weeds are small and conditions are favorable for good weed growth. Mix at a rate of 21/2 to 6 pints of this product, plus manufacturer's recommended rate of a suitable surfactant, in 40 to 50 gations of water for application to one acre. Use higher rates and spray volume for dense weed growth. For small areas, use 1 to 2 fluid ounces in 5 gallons water per 1,000 sq. ft. Spray undesirable vegetation thoroughly to point of runoff. Adequate coverage and complete wetting of foliage is important for effective control. Repeat applications may be necessary if regrowth cucurs. Use only as spot treatment in Florida. 646

NOTICE

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REA-SONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PROD-UCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BE-LIABLE FOR CONSEQUENTIAL, SPECIAL OF INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER. EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES GUARANTEES OR BEPRESENTATIONS OF ANY

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FORMULATED FOR PLATTE CHEMICAL CO. 150 SO. MAIN STREET FREMONT, NEBRASKA 68025-5697