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

APR 23 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

H. R. McLane
AMVAC CHEMICAL CORP.
4100 EAST WASHINGTON BLVD
LOS ANGELES, CA 90023

Subject: Label Amendment Submission of 01/11/94 in Response to PR Notice 93-7
EPA Reg. No. 5481-121
CHLORPYRIFOS GRANULES 1

Dear Registrant:

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. If 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.

WHAT YOU NEED TO DO NEXT:

By the next 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.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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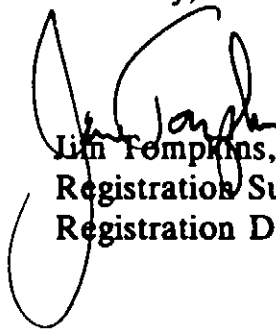
Submit the final printed labeling via the U.S. Postal Service to:

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

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

H.R. McLane
AMVAC CHEMICAL CORP
4100 EAST WASHINGTON BLVD
LOS ANGELES CA 90023

Comment for: EPA Reg Nr.5481-121
CHLORPYRIFOS GRANULES 1

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

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

You have incorrect wording in the second-to-last sentence in the first paragraph in the Agricultural Use Requirements box on your proposed label. The sentence must be as follows: "It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers and restricted-entry interval."

You must retain from your original label any statements about entry restrictions that apply to the non-agricultural uses on your product. Create a Non-Agricultural Use Requirements box in the Directions For Use section of your labeling and add the statements: "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." Then add to the box the statements that are in brackets [] on your original label. Please refer to the instructions for creating a Non-Agricultural Use Requirements box starting on page 45 of Supplement Three to PR Notice 93-7 (Main Labeling Guidance).

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

Correct the typographical errors circled on your proposed label.

CHLORPYRIFOS GRANULES

ORGANOPHOSPHATE INSECTICIDE

STATEMENT OF PRACTICAL TREATMENT
IF SWALLOWED Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. **IF ON SKIN** Remove contaminated clothing and wash affected area with soap and warm water. **IF IN EYES** Flush eyes with plenty of water. Get medical attention if irritation persists.
NOTE TO PHYSICIAN Active ingredient is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: Harmful if swallowed. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Do not contaminate food or feedstuffs.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Follow manufacturers' instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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. 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.
 (continued on center panel)

ACTIVE INGREDIENT:
 Chlorpyrifos [O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate] 1.0%

INERT INGREDIENTS 99.0%

Total 100.0%

KEEP OUT OF REACH OF CHILDREN
CAUTION

ENVIRONMENTAL HAZARDS
 This product is toxic to shrimp, crab, fish, birds, and other wildlife. Do not apply to water containing valuable crustaceans and fish. Birds feeding on treated areas may be killed. Do not contaminate water by cleaning of equipment or disposal of wastes. Consult your State Fish and Game Department before using this product. Use this product only as specified on this label.

DIRECTIONS FOR USE
 It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. (Cont. on Right Panel)

AGRICULTURAL USE REQUIREMENTS
 Use this product only in accordance with its labeling. This Standard is for the protection of agricultural workers on farms, greenhouses, and handlers of agricultural pesticides. It contains specific instructions and exceptions pertaining to this label about personal protective equipment (PPE) that only apply to uses of this product that are covered by this Standard. Do not apply this product in a way that will expose persons, either directly or through drift, to any protected area during application. Do not enter or allow workers to enter during the restricted-entry interval (REI) of 12 hours. Entry to treated areas that is permitted under the Worker Protection Standard that involves contact with anything that has been treated with soil or water, is coveralls, waterproof gloves, and shoes.

STORAGE AND DISPOSAL
 Do not contaminate water, food or feed by storage or disposal. Store product in original container in a cool, dry, locked container. **PESTICIDE DISPOSAL:** Wastes resulting from use may be disposed of on site or at an approved waste treatment facility. **CONTAINER DISPOSAL:** Do not reuse empty container. Put in trash.

HOME LAWNS AND OTHER ORNAMENTAL TURF AREAS

For control of Chinch Bugs and Sod Webworms infesting home lawns and other ornamental turf areas. Apply Chlorpyrifos Granules 1 uniformly to home lawns and other ornamental and recreational turf grass areas using any hand or power operated gravity or rotary spreader designed for application of granular materials. Treat when insects first appear at the rate of 100 pounds per acre. To help obtain uniform distribution, apply one half the required amount of product in one direction, then apply the balance at a right angle. Immediately after application sprinkle the turf with 1300 gallons of water per acre so as to wash the granules into the zone of insect infestation. Consult the following table to determine amounts of Chlorpyrifos Granules 1 and water needed for smaller sized areas. Retreat as necessary.

Area to be Treated	Pounds of Chlorpyrifos Granules 1	Gallons of water to sprinkle on turf after treatment
1,000 Sq Ft	2 1/2 lbs	30 Gallons
5,000 Sq Ft	12 1/2 lbs	150 Gallons
10,000 Sq Ft	25 lbs	325 Gallons

FOR CONTROL OF MOSQUITO LARVAE

To be applied only by trained personnel of Public Health Organizations, Mosquito Abatement Districts, Public Mosquito Control Programs and Professional Pest Control Operators.

USE DIRECTIONS

Use Chlorpyrifos Granules 1 to control mosquito larvae in noncrop areas that serve as breeding sites for these pests. Apply using any hand operated or ground vehicular mounted gravity or rotary type spreader or seedler or with aerial application equipment that will provide uniform distribution of the granules.

FLOODED AREA TREATMENT

Apply uniformly over flooded water impoundments when ever mosquito larvae are present. Use Chlorpyrifos Granules 1 at the rate of 2.5 to 5 pounds per acre. This rate is equivalent to 0.025 to 0.05 lb. of active ingredient/acre.

PRE-HATCH TREATMENT

Many mosquito breeding areas are not covered by water during certain months of the year, yet these areas contain mosquito eggs from which larvae will hatch and grow to maturity when flooding occurs. To control these larvae uniformly apply Chlorpyrifos Granules 1 at the rate of 10 pounds per acre over the known breeding sites prior to the time flooding is expected. This rate is equivalent to 0.1 pound of active ingredient per acre.

FOR CONTROL OF MOSQUITO LARVAE (continued) CALIFORNIA ONLY

To be used by Mosquito Control Agencies as provided under the contractual agreement with the Department of Public Health relating to Pesticide usage.

IMPORTANT PLEASE READ BEFORE USE

By using this product, the user accepts the following **LIMITED WARRANTY**. AMVAC warrants that (a) this product conforms to the chemical description on its label; (b) this product is effective for the purposes stated on its label, subject to the inherent risks referred to herein, when used in accordance with the directions, warnings, cautions, and other statements on this label; and (c) that the directions, warnings, cautions, and other statements on this label are based on experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, and upon reports of field experience. Testing has not been performed on all varieties of crops, and upon reports of field experience, weather and crop conditions. There are no express warranties herein. AMVAC neither makes nor intends, nor does it authorize any agent or representative to make any express or implied warranty, nor does it authorize any agent or representative to make any express or implied warranty, nor does it authorize any agent or representative to make any express or implied warranty, nor does it authorize any agent or representative to make any express or implied warranty. AMVAC expressly excludes and disclaims all implied warranties of merchantability, fitness for a particular purpose, or any other warranty of quality or performance. This warranty does not extend to, and AMVAC is not responsible for, any loss or damage which results from the use of this product in any manner not in accordance with this label's directions, warnings or cautions. User's exclusive remedy and AMVAC's liability is limited to the quantity of product with respect to which damages are claimed. In no event shall AMVAC be liable for indirect, or consequential damages resulting from the use or handling of this product.

FOR THE FOLLOWING EMERGENCIES PHONE 24 HOURS A DAY
 TRANSPORTATION CHEMTRAC 1-800-424-9300
 MEDICAL HAZARD INFORMATION SERVICES (H.I.S.) 1-800-228-5635 Ext. 21

EPA REG. NO. 5481-121 EPA EST. NO. 5481-121
 NET WEIGHT 50 POUNDS

AMVAC CHEMICAL CORPORATION
 4100 E Washington Blvd. - Los Angeles, CA 90023 U.S.A.

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