



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

JAN 23 2001

Kim Davis, CC, APC
Consultant/Agent
RegWest Company for Marman USA, Inc.
30856 Rocky Road
Greeley, CO 80631-9375

Subject: Chlorpyrifos 24.8% EUP
Pestban 2E
EPA Reg. No. 48273-13
Submission date: 11/16/00

Dear Ms. Davis:

The label referred to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable, provided you incorporate the Agency's conditions as enumerated in this letter below and submit one copy of your final printed label prior to releasing the product for shipment.

1) Directly beneath the "Active Ingredients" statement, the following phrase must be added:

"Contains Petroleum Distillates."

2) The following "First Aid" statements must be revised on the label to reflect verbatim the language appearing in PR Notice 2000-3:

If Swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Do not induce vomiting unless told to do so by a poison control center or doctor.

If on Skin or Clothing:

- Rinse skin immediately with plenty of water for 15-20 minutes.

Inhaled:

- If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.

The remaining First Aid statements are acceptable as written on the label.

The registrant must include the 1-800-number that will be used on the next label submission.

3) In the "Environmental Hazards" section, the second sentence must be revised to read as follows:

"Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark." (word added indicated via bolding)

4) The "Metal Container Disposal" statement and the "Plastic Container Disposal" statement must be revised to read as follows:

"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 state 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."

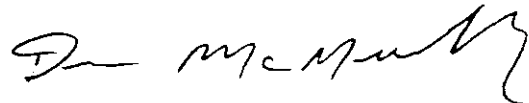
5) The last sentence on the bottom of page 2 of the label must be revised to read as follows:

"Not for use on plants grown for sale or other commercial use, or for commercial seed production, or research purposes."

Submit one copy of the revised final printed label before releasing the product for shipment. If the conditions enumerated above are not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e).

If you have questions, please contact Marianne Lewis at (703) 308-8043 or electronically at Lewis.Marianne@EPA.gov.

Sincerely,



Dennis McNeilly, Chemist
Insecticide-Rodenticide Branch
Registration Division (7505C)

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RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

PESTBAN 2E

ACCEPTED
with COMMENTS
In EPA Letter Dated:
JAN 23 2001

ACTIVE INGREDIENT:
chlorpyrifos (CAS No. 2921-88-2)
OTHER INGREDIENTS
Total
Contains 2 pounds of chlorpyrifos per gallon.

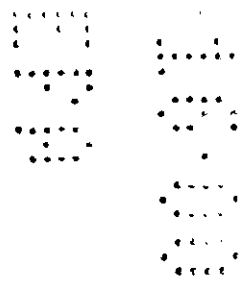
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
48273-13
100.0%

Keep Out of Reach of Children
WARNING AVISO
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).
See back panel for additional precautionary statements.

Net Contents: _____ gal.

EPA Reg. No. 48273-13 EPA Est. 464-MI-1

MARMAN USA, INC.
P.O. Box 22829
Tampa, FL 33622-2829



{Back Panel}

PRECAUTIONARY STATEMENTS
Hazards to Humans & Domestic Animals

WARNING: May be fatal if swallowed. Excessive absorption through skin may be fatal. Causes substantial but temporary eye injury. Causes skin irritation. Do not get in eyes, on skin or clothing. Wear eye protection (goggles, face shield or safety glasses with front, brow and temple protection). Handle concentrate in a ventilated area. Wear protective clothing and chemically resistant gloves when handling. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs and water supplies.

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First Aid

Swallowed	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on Skin or Clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Immediately rinse skin with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in Eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If Inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information.</p>	
<p>Note to Physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.</p>	

Environmental Hazards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Physical or Chemical Hazards

Combustible. Do not use or store near heat or open flame. Do not cut or weld container.

[Refer to label booklet for additional precautionary information and Directions for Use, including Storage and Disposal.]

Notice: Read the entire label before using. Use only according to label directions. **Before buying or using this product, read the *Warranty Disclaimer* and *Limitation of Remedies* elsewhere on this label [inside label booklet].**

DIRECTIONS FOR USE

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

Storage and Disposal

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

Storage: Store in original container in secured dry storage area. Prevent cross-contamination with fertilizers and other pesticides. Do not store above 100°F for extended periods of time. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below. **Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance. **Container Disposal:** **Metal:** Triple rinse (or equivalent) and offer for recycling or reconditioning or dispose of in a sanitary landfill or by other approved state and local procedures. **Plastic:** Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Carefully read all *Directions for Use* before applying.

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

Do not formulate this product into other end-use products.

Not for use on plants grown for sale or other commercial use, for commercial seed production or research purposes.

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Pests Outdoors (Non-Residential)

General Information

Use this product for control of certain pests on outside surfaces of buildings of industrial plant sites and on golf course turfgrass and for area control of ticks and chiggers. Consult the following directions for dosage and application details to control the listed pests.

Pests on Outside Surfaces of Buildings (Only Industrial Plant Sites): Use this product at the rate of 2.6 fluid ounces per one gallon of water (0.5% chlorpyrifos emulsion) to control **ants, clover mites, cockroaches, crickets, earwigs, fleas, flies, millipedes, mosquitoes, sowbugs, spiders and ticks** by application as a residual spray or with a paint brush to outside surfaces of buildings including porches, screens, window frames, eaves, patios, garages, refuse dumps and other areas where these pests congregate or have been seen. Repeat treatment as needed to maintain effectiveness.

Note: To help prevent reinfestation of buildings by ants, crickets, earwigs, millipedes and sowbugs (pillbugs), treat a band of soil 6 to 10 feet wide around and adjacent to buildings, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 1 pint of this product per 100 gallons of water and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1,000 square feet to thoroughly and uniformly wet the band area.

Pests of Turfgrass Areas (Only Golf Courses, Road Medians and Industrial Plant Sites): Use this product to control pests listed in the following table. Apply at the recommended dosages and in accordance with the directions given below. Dilute this product in enough water to obtain complete and uniform coverage of pest infested areas and apply as a coarse, low-pressure spray using suitable application equipment. Thoroughly water immediately after treatment to wash the insecticide into the turf, except as noted. For best results, the turfgrass should be moist at time of treatment. **Restriction:** The maximum application rate is 2 qt. (1 lb. a.i.)/acre.

Dosage and Directions for Use on Turf

Pest	Dosage This Product per 1,000 Sq. Ft.	Remarks
Ants, Armyworms, Chiggers, Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Fleas, Grasshoppers, Sod webworms, Ticks	1.5 fl. oz. ¹	Spray when pests first appear, retreat when needed. For sod webworms delay watering or mowing the treated areas from 12 to 24 hours after treatment.

¹1.5 fl. oz. per 1,000 sq. ft. = 7.5 fl. oz. per 5,000 sq. ft. = 1 pint per 10,700 sq. ft. = 2 quarts per acre.

Area Control of Ticks and Chiggers: Use this product to control ticks and chiggers infesting golf course turfgrass, road medians and industrial plant sites where these pests are present and create a nuisance or possible public health problem. Apply this product in water at the rate of 1 pint per acre (equivalent to 1 fl. oz. per 2,700 sq. ft.) using a hydraulic sprayer, mist applicator, knapsack sprayer or other suitable hand- or power-spray equipment. Treat low underbrush, grassy areas, weeds and ground surface and debris using enough spray volume to obtain thorough coverage, usually 40 to 100 gallons per acre. **Use Precautions:** Do not allow public use of treated areas during application or until spray has dried.

Treatment of Fire Ant Mounds (Includes Residential and Non-Residential Areas): Apply this product as a drench diluted at the rate of 1 fl. oz. (30 cc) per 2 gallons of water. Gently sprinkle a total of 1 gallon of the diluted solution over the surface of each mound using a sprinkler can. Thoroughly wet mound and surrounding area to a 4 foot diameter (12 square feet). For best results apply in cool weather, 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

Warranty Disclaimer

Marman USA, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. **Marman USA, Inc. makes no other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty.**

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or

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other factors, all of which are beyond the control of Marman USA, Inc. or the seller. All such risks shall be assumed by the buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability or other legal theories) shall be limited to, at Marman USA, Inc.'s election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

Marman USA, Inc. shall not be liable for losses or damages resulting from handling or use of this product unless Marman USA, Inc. is promptly notified of such loss or damage in writing. In no case shall Marman USA, Inc. be liable for consequential or incidental damages or losses.

The terms of the *Warranty Disclaimer* and this *Limitation of Remedies* cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Marman USA, Inc. or the seller is authorized to vary or exceed the terms of the *Warranty Disclaimer* or this *Limitation of Remedies* in any manner.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

{Note: The First Aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.}