

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



OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

October 26, 2000

Mr. Patrick McGourty
Platte Chemical Co.
419 18th Street (80631-5852)
P.O. Box 667
Greeley, CO 80632-0667

Subject: Chlorpyrifos 2E Insecticide (22.4% EUP)
EPA File No. 34704-65
Resubmission dated 8/3/00

Dear Mr. McGourty:

The revised product labeling referred to above, submitted in connection with the Chlorpyrifos Memorandum of Agreement (MOA) as amended, is acceptable, with the following comments:

- The phrase, "for area control of ticks and chiggers" appearing under General Information in the "Pest Out-of-Doors" section must specify use only on golf course turf, road medians, and industrial plant sites.
- Under Mosquito Control, the statement, "For adulticide use only." must be added to the label.

The conditions of paragraph 5 of the June 2000 Memorandum of Agreement apply to this label amendment, specifically this amended label is effective December 1, 2000. Failure to comply with any of the conditions of registration set forth in Paragraph 10 of the MOA shall be grounds for cancellation of the affected registration(s) under FIFRA section 6(e). 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).

A stamped copy of the label is enclosed for your records. If you have questions, please contact Ann Hanger at (703) 308-8036 or electronically at Hanger.Ann@EPA.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Dennis McNeilly".

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

ACCEPTED RESTRICTED USE PESTICIDE
For sale only 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.

In EPA Letter Dated:
OCT 26 2000

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

34704-65

CHLORPYRIFOS 2E INSECTICIDE

ACTIVE INGREDIENTS

| | |
|---|--------|
| Chlorpyrifos (O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate) | 22.4% |
| INERT INGREDIENTS* | 77.6% |
| TOTAL | 100.0% |

Contains 2 pounds of chlorpyrifos per gallon.
*This product contains xylene range aromatics.

Controls Numerous Pests on Golf Course Turf,
Road Medians and Industrial Plant Sites.
Also Recommended for Mosquito Control.

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este pro-
ducto hasta que la etiqueta le haya sido explicada ampliamente.

TRANSLATION: (TO THE USER: If you cannot read English, do not
use this product until the label has been fully explained to you.)

KEEP OUT OF REACH OF CHILDREN WARNING

See Below for Additional Precautionary Statements.

EPA REG. NO. 34704-65

EPA EST. NO. _____

NET CONTENTS _____ GALS. (_____ L)

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS WARNING

**MAY BE FATAL IF SWALLOWED
MAY BE ABSORBED THROUGH SKIN
MAY BE INJURIOUS TO EYES AND SKIN**

Do Not Take Internally • Do Not Get in Eyes or on Skin • Wash
Thoroughly After Handling • Wash Contaminated Clothing Before
Reuse • Flush Contaminated Eyes with Plenty of Water and Get
Prompt Medical Attention • Avoid Breathing Vapors and Spray Mist •
Avoid Spraying Food Crops • Keep Away from Food, Feedstuffs, and
Domestic Water Supplies • Handle Concentrate in a Ventilated Area

Note To Physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symp-
tomatically. Atropine is an antidote. FOR A MEDICAL EMERGENCY
INVOLVING THIS PRODUCT CALL: 1-800-228-5635, EXT. 136, OR
CALL COLLECT, 612-851-8180, EXT. 136.

ENVIRONMENTAL HAZARDS

This product is highly toxic to bees exposed to direct treatment or residues
on plants. Protective information may be obtained from your Cooperative
Agricultural Extension Service.

CHLORPYRIFOS 2E is toxic to fish, birds, and other wildlife. For terres-
trial 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. Shrimp and
crabs may be killed at application rates recommended on this label. Do not
apply where these are important resources. Do not apply where runoff is
likely to occur. Do not apply when weather conditions favor drift from areas
treated. Do not apply to areas where the pesticide may be carried by runoff
to water.

Apply this product only as specified on this label.

PHYSICAL & CHEMICAL HAZARDS

COMBUSTIBLE. Do Not Use, Pour, Spill, or Store Near Heat or Open
Flame. Do not cut or weld container.

DIRECTIONS FOR USE

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

Do not apply this product through any type of irrigation system.
Not for use on plants being grown for sale or other commercial use, or for
commercial seed production, or for research purposes.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or
disposal. Do not store under conditions which might adversely affect
the container or its ability to function properly.

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

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). 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 recondi-
tioning, 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.

PESTS OUT-OF-DOORS

General Information: Use CHLORPYRIFOS 2E for control of certain
pests on industrial plant sites, for area control of ticks and chiggers and for
mosquito control. Consult the following directions for dosage and applica-
tion details to control the pests listed.

Pests on Industrial Plant Sites: Use CHLORPYRIFOS 2E at the rate of
2 2/3 fluid ounces per one gallon of water (0.5% chlorpyrifos emulsion) to
control ants, clover mites, cockroaches, crickets, earwigs, fleas, millipedes,
mosquitoes, sowbugs, spiders and ticks by application as a residual spray
to industrial plant sites where these pests congregate or have been seen.
Do not treat or allow the spray to contact plants (flowering plants, shrubs,
trees, evergreens, etc.) because of possible injury. Repeat treatment as
needed to maintain effectiveness. Maximum application rate is 1 lb. a.i.
per acre.

Note: To help prevent infestation of industrial plant sites by ants, crickets,
earwigs, millipedes, and sowbugs (pillbugs), treat a band of soil 6 to 10 feet
wide where pests are active. Use 14 ounces of CHLORPYRIFOS 2E per
100 gallons of water and apply as a coarse spray at the rate of about 10
gallons spray mixture per 1000 sq. ft. to thoroughly and uniformly wet the
band area.

Pests of Golf Course Turf and Industrial Plant Sites: Use CHLOR-
PYRIFOS 2E to control the pests listed in the following table by applica-
tion at the recommended dosages and in accordance with the directions given
below. Dilute CHLORPYRIFOS 2E in enough water to obtain complete and
uniform coverage of pest infested areas and apply as a coarse, low pres-
sure spray using suitable application equipment. Thoroughly water imme-
diately after treatment to wash the insecticide into the turf except as noted.
For more details, see turf and lawn care literature.

CHLORPYRIFOS 2E INSECTICIDE
EPA REG. NO. 34704-65

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NOTICE

IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. 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 BEYOND THE CONTROL OF PLATTE, THE MANUFACTURER OR SELLER. IN NO CASE SHALL PLATTE, THE MANUFACTURER OR SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR 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, THE MANUFACTURER OR SELLER MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND PLATTE'S, THE MANUFACTURER'S OR SELLER'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

**DOSAGES AND DIRECTIONS FOR USE ON
 GOLF COURSE TURF AND INDUSTRIAL PLANT SITES**

| Pest | Dosage Chlorpyrifos 2E per 1000 sq. ft. | Remarks |
|-----------------|---|---|
| Ants | ½ fl. oz. | Spray when pests first appear; retreat when needed. For sod webworms delay watering or mowing the treated area for 12 to 24 hours after treatment |
| Armyworms | | |
| Brown dog ticks | | |
| Chiggers | | |
| Chinch bugs | | |
| Clover mite | | |
| Crickets | | |
| Cutworms | | |
| Earwigs, Fleas | | |
| Grasshoppers | | |
| Sod webworms | | |

† ½ fl. oz. per 1000 sq. ft. = 2 ½ fl. oz. per 5000 sq. ft. = ½ pint per 10,700 sq. ft. = 1 ½ pints per acre.

Note: Maximum application rate is 1 lb. a.i. per acre. Mosquitoes coming to rest on areas treated for control of golf course turf pests will be killed for varying periods of time after treatment depending on exposure of treated areas to weathering conditions.

Area Control of Ticks and Chiggers: Use CHLORPYRIFOS 2E to control ticks and chiggers infesting golf course turf, road medians, and industrial plant sites only, where these pests are present and create a nuisance or possible public health problem. Apply CHLORPYRIFOS 2E 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.

ATTENTION (Area Control of Ticks and Chiggers): Do not allow public use of treated areas during application or until spray has dried.

MOSQUITO CONTROL

Mosquitoes: Apply CHLORPYRIFOS 2E to mosquito infested, non-crop areas according to the conditions and rates shown in the following table. Mix CHLORPYRIFOS 2E with either water or oil, such as kerosene or No. 2 fuel oil, using sufficient spray volume to give uniform coverage of area treated. Apply the spray using suitable application equipment such as hand and power ground sprayers, mist applicators, and aerial spray equipment.

To Be Applied Only By or Under the Supervision of Pest Operators, Public Health Organizations, Mosquito Abatement Districts, and Other Trained Personnel Responsible for Public Health Mosquito Control Programs.

WARNING (Mosquito Control): Read complete Environmental and Use Precautions and consult your State Fish and Game Department before using this product for mosquito control.

Do not apply to water for irrigational and domestic purposes.
 Do not apply where fish and other aquatic life are important resources.

**CONDITIONS AND RATES
 TO USE FOR MOSQUITO CONTROL**

| Condition of Area to be Treated | Amount to Use per Acre | | Number Acres 1 Gallon of Chlorpyrifos 2E Will Treat |
|--|---------------------------------|--------------------------|--|
| | Chlorpyrifos 2E (fluid ozs.) | Chlorpyrifos (pounds) | |
| Adult Control Light to medium vegetative cover | 1.6 | 0.025 | 80 |
| Medium to heavy vegetative cover | 3.2† | 0.05† | 40 |

† The higher dosage will also give faster knockdown and longer residual control where there is little or no vegetative cover.

FORMULATED FOR
PLATTE CHEMICAL CO.
 419 18TH STREET, GREELEY, COLORADO 80631-5852