

51036-264

12/18/2000

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



OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

DEC 18 2000

Mr. Matthew Talley  
Micro Flo Company  
P.O. Box 772099  
Memphis, TN 38117-2099

Subject: Chlorpyrifos 2.32% Granule  
EPA Reg. No. 51036-264  
Resubmission dated 10/31/00

Dear Mr. Talley:

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:

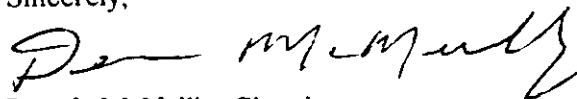
1. On page 2, the "Environmental Hazards" statement currently on the label must be replaced with the following chlorpyrifos specific non-aquatic use site environmental hazards statement:  
  
"This pesticide is toxic to birds, fish, and aquatic invertebrates. Birds feeding in treated areas may be killed. Clean up spilled product to reduce exposure to wildlife. 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 when cleaning equipment or disposing of equipment washwaters."
2. On page 3, the phrase "non-crop land areas such as road medians" must be replaced with "golf course turf, road medians, and exterior areas of industrial plant sites."
3. The statement, "Maximum application rate is 1 lb a.i. per acre." applies to all uses on the label and should appear under the Directions for Use.
4. On page 4, add the statement "For Professional Use Only" to the directions for imported fire ant control.
5. On page 5, the last sentence of the first paragraph contains a typo and should read as "...off treated areas..."

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 about this label review, please contact Ann Hanger at (703) 308-8036 or electronically at [Hanger.Ann@EPA.gov](mailto:Hanger.Ann@EPA.gov).

Sincerely,

A handwritten signature in dark ink, appearing to read "Dennis McNeilly", written in a cursive style.

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

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
DEC 18 2000  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.

CHLORPYRIFOS 2.32% GRANULE ~~57036-264~~

For effective long lasting control of Chinch Bugs, Asian Roaches, Fire  
Ants, Fleas, Ticks, Foraging Ants, Mole Crickets and other outdoor  
insects.

ACTIVE INGREDIENT:

Chlorpyrifos (O,O,-diethyl-O-[3,5,6-trichloro-2-pyridyl] phosphorothioate].....	2.32%
INERT INGREDIENTS.....	97.68%
TOTAL.....	100.00%

For mound treatment control of imported fire ants.

Controls Ants (including Carpenter, Argentine & Foraging), Army-worms  
(Beet, Fall, Yellow-striped), Centipedes, Chinch Bugs (2), Clover Mites,  
Cutworms, Crickets, Earwigs, Fiery Skipper, Fleas, Grasshoppers,  
Greenbugs, Leafhoppers, Millipedes, Mole Crickets (4), Roaches (Asian),  
Sod Webworms (Lawn Moth) (3), Sow Bugs, Springtails, Ticks (Brown Dog  
Tick) (1), Turfgrass Weevil (Hyperodes), White Grubs, European Crane  
Fly, Southern Chafer, Japanese Beetle, and June Beetle (Larvae), (5),  
Bluegrass Billbugs (6) Imported Fire Ants (7). (See numbered paragraphs  
for insect control). 1 lb. treats up to 1,000 sq. ft.

USE FOR CRAWLING INSECT CONTROL OUTSIDE OF BUILDINGS AT INDUSTRIAL PLANT  
SITES (SUCH AS AROUND WAREHOUSES, FOOD PROCESSING AND FOOD MANUFACTURING  
SITES).

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

Organophosphate

IF SWALLOWED: Call a poison control center or doctor immediately for  
treatment advice. Have person sip a glass of water if able to swallow.  
Do not induce vomiting unless told to do so by a poison control center  
or doctor. Do not give anything by mouth to an unconscious person.  
IF IN EYES: 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 ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin  
immediately with plenty of water for 15-20 minutes. Call a poison  
control center or doctor for treatment advice.  
IF INHALED: 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.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote. This product is an organophosphorus ester that inhibits cholinesterase.

EPA Reg. No. 51036-264

EPA EST NO. 51036-GA-1

MANUFACTURED BY:  
MICRO FLO COMPANY  
P.O. BOX 772099  
MEMPHIS, TN 38117

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

May be harmful if swallowed. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling and before eating or smoking. Wash contaminated clothing before reuse. Keep away from food, feed-stuffs, and water supplies. Keep the public (especially children and pets) off treated areas until the granules are sprinkled in and the area is dry.

EMERGENCY TELEPHONE NUMBERS: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact:

- (800) 424-9300 CHEMTREC (transportation and spills)
- (800) 900-4044 Poison Control Center (human health)
- (800) 345-4735 ASPCA (animal health)

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. 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 where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters. Use only as directed.

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 product in its original labeled container in a cool, dry,,  
locked place out of reach of children. ,,,,,, ,,,,,,  
PESTICIDE DISPOSAL: Wastes resulting from the use of this product maybe,, ,  
disposed of on site or at an approved waste disposal facility.,,,,, ,,,,,,  
CONTAINER DISPOSAL: Completely empty bag into application equipment. ,  
Then dispose of empty bag in a sanitary landfill or by incineration or,,',',',  
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,',',',  
,',',',

if allowed by State and local authorities, by burning. If burned, stay out of smoke.

#### SPECIFIC DIRECTIONS

The following numbered paragraphs correspond to numbers in parenthesis (x) on the front panel following the insect names. Insects not numbered may be controlled by following the GENERAL DIRECTIONS. Repeat treatments as needed for control.

##### (1) BROWN DOG TICKS, & FLEAS

Use 0.5 lb./500 sq.ft. (1.0 lb./1,000 sq.ft.) for area control of these insects, infesting non-crop land areas such as road medians. DO NOT allow public use of treated area during applications.

##### (2) CHINCH BUGS

Apply  $\frac{1}{2}$  lb. 750 to 1,000 sq.ft. (40 to 43 lbs./Acre) when insects appear and/or their damage is imminent. To prevent damage apply as soon as daily temperatures reach 80°F and repeat every 2 months. Use lower rate as preventive treatment or for light infestations; the higher rate when insects are present in large numbers and turf is being damaged.

##### (3) SOD WEBWORMS

For Sod Webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment. Treat in the spring or when insects first appear troublesome. Additional treatments at 30 day intervals may be needed for new infestations. Apply at rate of 40 lbs. per acre.

##### (4) MOLE CRICKETS

Use 40 lbs. per acre. Treat suspected problem areas when insects become a problem or as recommended by your local Ag. Extension Service Specialist.

#### The Best Time to Control Adult Mole Crickets

	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
1.												
2.												

1. Indicates egg laying time.      2. Best time to control Crickets

##### (5) WHITE GRUBS; CRANE FLY LARVAE

To control White Grubs, Black Turfgrass Ataenius, European Crane Fly, Southern Masked Chafer, Japanese Beetle and June Beetle Larvae. Use 40 lbs. Per acre. Do not exceed 1.0 lb of a.i. per acre. To improve efficacy apply enough water to thoroughly wash the insecticide into the turf. For best results remove thatch first and treat when grubs are young and actively feeding near the soil surface, usually during late July & August. Consult your local Agricultural Extension Service Specialist for best time to treat. European Crane Fly Larvae will be controlled using 1.0 lb. per 1,000 sq. ft. or will be controlled simultaneously with the same application being

6 3 7

applied for control of White Grubs. Consult your Agricultural agent for proper time to apply. For best results, first remove thatch. Water the granules into the soil.

(6) BLUEGRASS BILLBUGS

Use 35 lbs. per acre for Bluegrass Billbugs. To improve control apply enough water to wash granules into soil where insects are feeding.

(7) IMPORTED FIRE ANT CONTROL

MOUND TREATMENT - For treatment of fire ant mounds. Treat individual ant mounds measuring from 3 to 12 inches in diameter by applying 1/2 tablespoon of granules evenly in a circle around the outer edges (1 to 2 feet from the center) of the mound. Finish the treatment by applying 1 tablespoon sprinkled evenly over the center of the mound. After application of the granules, gently sprinkle the treated area with a minimum of 1 quart of water per 6 inches of mound diameter. Apply in cool weather 65 to 80 degrees F) or in early morning or late evening. Best results will be obtained if mound is not disturbed after treatment thus allowing ants to come and go and to be exposed to the insecticide. Repeat treatments as needed for additional control but not more than once every 7 days.

GENERAL DIRECTIONS FOR USE ON GOLF COURSES TURF ONLY.

Apply Chlorpyrifos 2.32% Granule uniformly to golf courses turf using any hand or power operated type spreader designed for application of granules. Treat when insects first appear at the rate of 1.0 lbs./1,000 sq. ft. (43 lbs./Acre) for Surface insects. Increase this rate as indicated for control of certain Soil insects under SPECIFIC DIRECTIONS. For best efficacy sprinkle the turf with water to move the granules into the zone of insect infestation. Repeat treatment as necessary. Observe Watering limitation in paragraph for No. (3) Sod Webworms

RATE TO USE FOR SURFACE INSECTS

For control of Ants (as listed on front panel), Armyworms (Beet, Fall, Yellowstriped), Centipedes, Chinch Bugs, Clover Mites, Cutworms, Crickets Earwigs, Fiery Skipper, Fleas, Grasshoppers, Greenbugs, Leafhoppers, Millipedes, Sod Webworms (Lawn Moth), Sowbugs, Springtails, and Ticks (Brown Dog Tick) use 1.0 lbs./1,000 sq. ft.

FOR SOIL FEEDING INSECTS

Refer to SPECIFIC DIRECTIONS paragraphs; (3), (4), and (5) in for rates to control the listed turf insects which feed below the soil surface. When using a spreader, calibrate with each application by accurately weighing a few pounds into the spreader and apply to a measured area. Adjust spreader setting in order to assure the correct rate of application. NOTE: The age, condition of spreader and operator speed can cause a wide variation of rates.

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A collection of 15 small, stylized line drawings of various insects, including beetles, flies, and bees, arranged in a grid-like fashion.