

PM 19 51036-263

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:

51036-  
263

Date of Issuance:

JUN 10 1996

## NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration

(under FIFRA, as amended)

Term of Issuance: Until  
Reregistration

Name of Pesticide Product:

Chlorpyrifos  
1/2% Granule

Name and Address of Registrant (include ZIP Code):

Micro Flo Company  
P.O. Box 5948  
Lakeland, Florida 33807-5948

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Change the label by revising the EPA Registration Number to read, "EPA Reg. No. 263."

3. Submit two copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

DHE

Dennis H. Edwards, Jr.  
Product Manager (19)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Date:

JUN 10 1996

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## CHLORPYRIFOS 1/2% GRANULE

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]	0.50%
INERT INGREDIENTS	99.50%
TOTAL	100.00%

For mound treatment control of imported fire ants in lawns and recreational areas.

Controls Ants (including Carpenter, Argentine & Foraging), Armyworms (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). 2 lbs. treats up to 400 sq. ft.

USE FOR CRAWLING INSECT CONTROL OUTSIDE OF HOMES, APARTMENTS, CONDOMINIUMS, WAREHOUSES, HOSPITALS, SCHOOLS, FOOD HANDLING ESTABLISHMENTS AND COMMERCIAL BUILDINGS

KEEP OUT OF REACH OF CHILDREN

CAUTION

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 or convulsing person. Get medical attention.

If in eyes: Flush eyes with plenty of water.

If on skin: In case of contact, remove contaminated clothing and wash affected area with soap and water.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote only by injection.

EPA Reg. No. 51036-~~appl~~ *EAG*

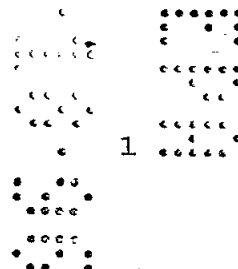
EPA Est. No. 51036-GA-1

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

**JUN 10 1996**

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

Manufactured By:  
MICRO FLO CO.  
P.O. Box 5948  
Lakeland, FL 33807



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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 children and pets off treated areas until this material is washed into the soil and the grass is dry.

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

HOUSEHOLD: Do not re-use empty container. Wrap container and put in trash.

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 2 lb./400 sq.ft. (5.0 lb./1,000 sq.ft.) for area control of these insects, infesting non-crop land areas such as roadsides, footpaths, and trails, picnic and camping sites, parks, and other recreational areas where these pests are present and create a nuisance or a possible public health problem. DO NOT allow public use of treated area during applications. For Fleas (out-of-doors; only) treat sleeping quarters and other areas frequented by pets such as beneath porches and along fencing.

(2) CHINCH BUGS

Apply 2 lb./300 to 400 sq.ft. (5.0 to 7.0 lbs./1,000 sq.ft. or 220 to 300 lb./A) 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 5.0 lbs. per 1,000 sq. ft.

(4) MOLE CRICKETS

Use 9.2 lbs. per 1,000 sq. ft. 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.												

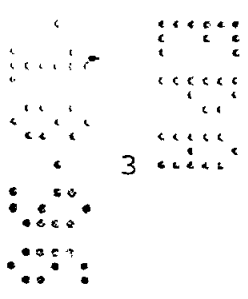
1. Indicates egg laying time.      2. Best time to control Crickets

(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 9.2 lbs. to treat 1,000 sq.ft. 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 7.0 lbs. per 1,000 sq. ft. or will be controlled simultaneously with the same application being applied for control of "White Grubs", i.e., (9.2 lbs./1,000 sq.ft.) 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 9.2 lbs./1,000 sq. ft. 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 occurring in lawns, turf and premise areas, treat individual ant mounds measuring from 3 to 12 inches in diameter by applying two tablespoons (3.2 oz.) 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 4 tablespoons (0.8 oz) 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 LAWNS, GOLF COURSES AND ALL OTHER ORNAMENTAL AND RECREATIONAL TURF.

Apply 1/2% Chlorpyrifos Granule uniformly to home lawns, golf courses, and other ornamental and recreational turf and non-cropland areas of using any hand or power operated type spreader designed for application of granules. Treat when insects first appear at the rate of 5.0 lbs./1,000 sq. ft. (220 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 5.0 lbs./1,000 sq. ft.

## FOR SOIL FEEDING INSECTS

Refer to SPECIFIC DIRECTIONS paragraphs; (4), (5), and (6) 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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## PERIMETER TREATMENT AROUND DWELLINGS

USE FOR CRAWLING INSECT CONTROL OUTSIDE OF HOMES, APARTMENTS, CONDOMINIUMS, WAREHOUSES, HOSPITALS, SCHOOLS, FOOD HANDLING ESTABLISHMENTS AND COMMERCIAL BUILDINGS.

To protect against insects entering the indoors, a band of granules may be placed around the outside of buildings to kill Ants (as listed on front panel), Ticks (Brown Dog Tick), Crickets, Earwigs, Fleas, Millipedes, Roaches (Asian), Sowbugs, Springtails before they attempt to enter. Use 2 pounds to treat 400 sq. ft. (as a band 5 ft. x 80 ft. long) around the structure. Apply when insects have become troublesome or before they cause problems in the spring or early fall. Repeat one month later and then as needed for control but not more than once every 7 days. Keep children and pets off treated area until granules are sprinkled in and the area is dry.

MICRO FLO WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSE STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS FOR USE. 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 MICRO FLO. IN NO CASE SHALL MICRO FLO BE LIABLE FOR THE CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

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