

11678-58

10/24/2003

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



OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

OCT 24 2003

Mr. Robert Everich  
MANA, Inc.  
551 Fifth Avenue, Suite 1100  
New York, NY 10176

Dear Mr. Everich:

Subject: Labeling Submitted in Response to the Chlorpyrifos IRED  
Pyrinex  
EPA Reg. No. 11678-58  
Your Submission Dated May 30, 2003

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided you make the following change before you release the product for shipment bearing the amended labeling:

- Under Agricultural Uses, part A(ii)(a) delete "tree nuts." The REI for nut trees is 24 hours.

Approval of this labeling amendment does not constitute approval of your application for reregistration of this product. Product reregistration is currently pending and future labeling amendments and/or additional data may be required.

Submit two copies of your final printed labeling before you release the product for shipment. A stamped copy is enclosed for your records. If you have any questions, please contact me at (703) 308-6249 or [hebert.john@epa.gov](mailto:hebert.john@epa.gov).

Sincerely yours,

A handwritten signature in black ink that reads "John Hebert".

John Hebert  
Insecticide/Rodenticide Branch  
Registration Division (7505C)

c: Jane Mitchell, SRRD  
Tom Myers, SRRD

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

275

OCT 24 2003

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.  
11678-58

# PYRINEX

## CHLORPYRIFOS INSECTICIDE

An Insecticide for Formulating Use Only

ACTIVE INGREDIENT:	% BY WT.
Chlorpyrifos: (0,0-diethyl 0-(3,5,6-trichloro-2-pyridinyl phosphorothioate).....	97.0%
INERT INGREDIENTS: .....	3.0%
	<b>TOTAL 100.0%</b>

### KEEP OUT OF REACH OF CHILDREN

## WARNING

#### FIRST AID

- 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 treatment advice.
- IF ON SKIN:**
  - 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 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 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN:** Pyrinex (chlorpyrifos) is a cholinesterase inhibitor. Initial measures include removal of secretions, maintenance of a patient airway, and if necessary, artificial respiration. When cyanosis is relieved, atropine may be administered in large therapeutic doses, repeated as necessary to the point of tolerance. If symptoms warrant further treatment, protopam chloride (pralidoxime chloride, 2-PAM chloride) has shown utility as adjunctive therapy. Never use morphine. Continued absorption of the poison may occur resulting in a fatal relapse after initial improvement. Very close supervision of the patient is indicated for at least 48 to 72 hours.

#### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS & DOMESTIC ANIMALS

#### WARNING

May be fatal if swallowed. Do not take internally. Harmful if absorbed through skin. Avoid breathing vapors or spray mist. Handle concentrate in a ventilated area. Causes eye irritation. Do not get into eyes. Avoid contact with skin. Wash thoroughly after handling. Do not wear contaminated clothing. Keep away from food, feedstuffs, and water supplies.

#### GENERAL PRECAUTIONS

Read all directions before using. Keep away from food, feedstuffs, and domestic water supplies. Keep container closed.

**NET CONTENTS: \_\_\_ POUNDS**

EPA Reg. No. 11678-58  
EPA Est. No. 11678-IS-01



Makhteshim Chemical Works, Ltd.  
c/o Makhteshim-Agan of North America, Inc.  
551 Fifth Avenue, Suite 1100  
New York, NY 10176

**ENVIRONMENTAL HAZARDS**

This pesticide is extremely toxic to birds, and wildlife, and extremely toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. After October 1, 2000, any manufacturing-use product formulated from this product must bear EPA-approved labeling that is consistent with the terms of the June 7, 2000, memorandum of agreement between EPA and registrants of pesticide products containing chlorpyrifos.

Only for formulation into an *insecticide* for the following uses: text in [square brackets] after each site category heading refers to the general use group as referenced in 40 CFR 158.

This product may be used to formulate products for any additional use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such use(s).

**A) AGRICULTURAL USES**

- i) Use of this product for formulation into any end-use product bearing instructions for use on apple trees is prohibited unless the end-use product bears EPA-approved labeling prohibiting post-bloom application to apple trees.
- ii) (a) This product may only be formulated for the agricultural uses listed below if the EPA-approved labeling of the formulated product bears revised worker reentry intervals (REIs) of a duration no less than the following:
  - ❖ For all crops: 24 hours, unless specifically noted as otherwise below:
  - ❖ Tree nuts and sweet potatoes: 2 days
  - ❖ Fruit trees: 4 days
  - ❖ Citrus trees: 5 days
- (b) The end-use product labeling may include the following statement: 'Certified crop advisors or persons entering under their direct supervision under certain circumstances may be exempt from the early reentry requirement pursuant to 40 CFR Part 170.'
- iii) Any emulsifiable concentrate (EC) end-use product formulated from the product must be labeled as a restricted use product. All other end-use products formulated from the product must either be labeled as restricted use or packaged in containers no smaller than 15 gallons of a liquid formulation, 50 pounds of a granular formulation, or 25 pounds of any other dry formulation.

**Agricultural Crops [Terrestrial Food Crop, Greenhouse Food Crop]:** Alfalfa; apple (post-bloom application prohibited); asparagus; banana; beet (sugar, garden/table, including crops grown for seed); blueberry; **Brassica (cole) leafy vegetables** (bok choy, broccoli, broccoli raab, Brussels sprouts, cabbage, cauliflower, Chinese cabbage, collards, kale, kohlrabi); caneberries; cherimoya; cherries (sour, sweet); **citrus fruits** (including but not limited to grapefruit, lemon, orange, citrus orchard floors); corn (field corn, sweet corn (including corn grown for seeds)); cotton; cranberry; cucumber; date; feijoa; fig; grape; kiwifruit; leek; **legume vegetables (succulent or dried)** (including but not limited to snap beans, lima beans, peas, soybeans); mint; nectarine; onion (dry bulb); peach; peanut; pear; pepper; plum; prune; pumpkin; radish (including crops grown for seed); rutabaga; sapote; seed and pod vegetables; sorghum (milo); strawberry; sugarcane; sunflower; sweet potato; tobacco; **tree nuts** (including but not limited to almonds, filberts, pecans, walnuts, almond orchard floors); turnip; wheat; seed treatment.

**Ornamentals - commercial production only [Commercial Terrestrial Non-Food, Commercial Greenhouse Non-Food]:**

- Soil treatment of potted, containerized, or balled and burlapped nursery stock plants in nurseries and greenhouses only.
- Flowers, shrubs, evergreens, vines, shade, and flowering trees in nurseries or greenhouses only.
- Christmas trees.
- Forest tree nurseries.
- Non-bearing fruit, nut, and citrus trees.
- Commercial sod farms.

**Forest trees [Forestry]:** Plantations, forests, seed orchards, felled trees, cut stumps.

**Livestock [Indoor food]:** Cattle ear tags, animal housing including but not limited to poultry houses and other livestock housing (feedlots, corrals, stockyards, holding pens, and other outdoor livestock holding areas).

**B) NON-AGRICULTURAL, NON-TERMITE CONTROL USES:**

After December 1, 2000, this product may only be used to formulate an end-use pesticide product labeled for non-agricultural, non-termite control uses in accordance with the following conditions:

- i) Any emulsifiable concentrate (EC) end-use product formulated from this product must be labeled as a restricted use product. All other end-use products formulated from the product (other than containerized baits in child-resistant packaging) must either be labeled as restricted use or packaged in containers no smaller than 15 gallons of a liquid formulation or 25 pounds of a dry formulation.
- ii) The end-use product may not bear use directions for any indoor residential use (as that term is defined in 40 CFR 152.3) other than containerized baits in child-resistant packaging.
- iii) Any emulsifiable concentrate (EC) end-use product formulated from this product may not bear use directions for any indoor non-residential use. All other end-use products may not bear use directions for any indoor non-residential use other than one or more of the following uses: warehouses, ship holds, railroad boxcars, industrial plants, manufacturing plants, food processing plants, or containerized baits in child-resistant packaging.
- iv) The product may not bear use directions for any residential outdoor use other than one or more of the following public health uses: individual fire ant mound treatment or mosquito control.
- v) The product may not bear use instructions for any non-residential outdoor use other than one or more of the following uses:
  - (a) golf courses, road medians, and industrial plant sites, provided that the maximum label application rate is no greater than 1 lb./ai per acre;
  - (b) mosquito control for public health purposes;
  - (c) individual fire ant mound treatment for public health purposes; and
  - (d) fence posts, utility poles, railroad ties, landscape timbers, logs, pallets, wooden containers, poles, posts and processed wood products.

**Pest Control Indoors [Indoor Residential]:** Containerized baits in child resistant packaging for indoor residential uses.

**Pest Control Indoors [Indoor Non-Residential]:** Food and non-food areas of warehouses, ship holds, railroad boxcars, industrial plants, manufacturing plants, food processing plants only.

**Pest Control Outdoors [Terrestrial Non-Food]**

- Localized exterior surface treatment of warehouses, railroad boxcars, industrial plants, manufacturing plants, food processing plants only.
- Soil applied perimeter treatment of warehouses, industrial plants, manufacturing plants, food processing plants only.

**Pest Control Outdoors [Terrestrial Non-Food, Domestic Outdoor]:**

- Public health uses to control fire ant mounds and for mosquito control. Mosquito control may only be applied by trained personnel of public health organizations, mosquito abatement districts, public mosquito control programs, and professional pest control operators.
- Underground utility cables and conduits.
- Turf and ornamentals in road medians; turf and ornamentals in industrial plant sites (provided the use rate is no greater than 1 lb. ai/acre).

**Turf [Terrestrial Non-Food]:** Golf course turf, turf in road medians, and turf in industrial plant sites (provided the use rate is no greater than 1 lb. ai/acre).

**C) TERMITE CONTROL USES**

After December 1, 2000, this product may only be used to formulate an end-use pesticide product labeled for termite control in accordance with the following conditions:

- i) This product may not be used after December 31, 2004, to formulate any product labeled for termite control, unless prior to that date, EPA has made a written determination that pre-construction termite control use may continue.
- ii) Any end-use product formulated from this product must bear EPA-approved labeling that (a) does not include use instructions for any post-construction applications other than spot and local treatment; and (b) states this product may only be used for spot and local treatment until December 31, 2002.
- iii) Any end-use product formulated from this product must bear EPA-approved labeling with a maximum chlorpyrifos end-use dilution of 0.5% active ingredient.

iv) Any emulsifiable concentrate (EC) end-use product formulated from this product (other than containerized baits in child-resistant packaging) must be labeled as a restricted use product. All other end-use products formulated from the product must either be labeled as restricted use or packaged in containers no smaller than 15 gallons of a liquid formulation or 25 pounds of a dry formulation.

**Wood or Wood Structure Protection Treatments [Terrestrial Non-Food]:** Spot and localized treatments.

- D) **OTHER USES:** This product may be formulated into insecticide products for other uses for which the US EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration excluding any use strictly prohibited by this label.
- E) **EXPERIMENTAL USES:** This product may be formulated into insecticide products for uses for experimental purposes that are in compliance with US EPA requirements.
- F) **OTHER PROHIBITED USES:** All manufacturing-use and end-use products produced from this product must bear the following statement: "This product may NOT be used for formulation into manufacturing-use or end-use products for the following uses: **Aquatic Uses (Aquatic Food Crop, Aquatic Non-Food):** Any aquatic use, including mosquito larvicide."

**STORAGE AND DISPOSAL**

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**STORAGE:** Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. 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:** Wastes resulting from the use of this product may be disposed of on site if approved waste handling facilities are available or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent), perforate rinsed containers, and offer for disposal in a landfill approved for pesticide containers. Do not reuse containers. Do not cut or weld container.

**IN CASE OF A SPILL:** Isolate the spill. Hold this package, other cargo, and vehicles involved. Immediately TELEPHONE (24 hour service) for emergency assistance, 1-800-553-5053.

**GENERAL:** Consult Federal, state, or local disposal authorities for approved alternative procedures.

**WARRANTY STATEMENT**

MAKHTESHIM-AGAN OF NORTH AMERICA warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with 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 MAKHTESHIM-AGAN OF NORTH AMERICA. In no case shall MAKHTESHIM-AGAN OF NORTH AMERICA 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. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except as expressly provided herein, MAKHTESHIM-AGAN OF NORTH AMERICA makes no warranties, guarantees, or representations of any kind, either expressed 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. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall be damages not exceeding the purchase price paid for this product or, at MAKHTESHIM-AGAN OF NORTH AMERICA's election, the replacement of this product.