



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

January 19, 2024

Jacob S. Moore
U.S. Registration Leader
ADAMA Makhteshim Ltd.
c/o Makhteshim Agan of North America, Inc. (d/b/a ADAMA)
8601 Six Forks Road, Suite 300
Raleigh, NC 27615

Subject: Label Amendment – Implementing Chlorpyrifos Biological Opinion (BiOp)
Mitigation and General Updates
Product Name: Pynex Chlorpyrifos Insecticide
EPA Registration Number: 11678-58
Application Date: April 29, 2022 and August 19, 2022
Decision Number: 584105 and 591654

Dear Jacob Moore:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Chlorpyrifos 2022 Biological Opinion and has concluded that your submission is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of

statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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

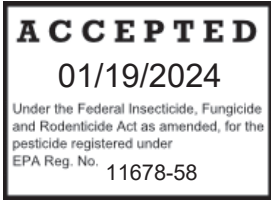
If you have any questions, please contact Briana Hanlon at (202) 566-2716 or at hanlon.briana@epa.gov.

Sincerely,



Michael Walsh
Product Manager 11
Invertebrate & Vertebrate Branch 2
Registration Division
Office of Pesticide Programs

Attachment



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).....	97.9%
OTHER INGREDIENTS:	2.1%
TOTAL	100%

KEEP OUT OF REACH OF CHILDREN WARNING

Manufactured for:
Makhteshim Agan of North America, Inc. (d/b/a ADAMA)
3120 Highwoods Blvd., Suite 100
Raleigh, NC 27604

EPA Reg. No.11678-58

EPA Est. No. [REDACTED]

NET CONTENTS: ___ LBS

FIRST AID Organophosphate	
IF SWALLOWED:	<ul style="list-style-type: none"> • 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 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 treatment advice.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • 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:	<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.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-250-9291 for emergency medical treatment information.	
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, 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.	

In case of spills, fire, leaks or accidents call 1-800-535-5053.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS WARNING

May be fatal if swallowed. May be fatal if inhaled. Harmful if absorbed through skin. Do not breathe dust. Avoid contact with skin, eyes, or clothing. Remove and wash contaminated clothing before reuse. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Handle chemical in a ventilated area.

PRECAUTIONS

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds and wildlife, and extremely toxic to fish, aquatic invertebrates, and bees. 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 uses listed below. 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.

ENDANGERED SPECIES PROTECTION REQUIREMENTS: It is a Federal offense to use any pesticide in a manner that results in an unauthorized "take" (e.g., kill or otherwise harm) of an endangered species, and certain threatened species, under the Endangered Species Act section 9. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the area in which you are applying the product. You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins, consult <http://www.epa.gov/espp/>, call 1-844-447-3813, or email ESPP@epa.gov. You must use the Bulletin valid for the month in which you will apply the product.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call **1-866-406-6262**.

A. AGRICULTURAL USES

- 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."
- 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.

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

- 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.
- Grass grown for seed.

End-use products containing directions for use in nursery operations must be restricted to wholesale nursery operations only. Wholesale nursery operations are commercial agricultural operations which do not sell or distribute directly to consumers or the general public through retail sales. The end-use products must also contain a prohibition against selling or distributed treated plants directly to consumers or the general public through retail sales.

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

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:

- 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, 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) fence posts, utility poles, railroad ties, landscape timbers, logs, pallets, poles, posts

Pest Control Indoors [Indoor Residential]: Containerized ant and roach baits in child resistant packaging for indoor residential uses only.

Commercial Pest Control Indoors [Indoor Non-Residential]: Ship holds, railroad boxcars, industrial plants, manufacturing plants only.

Commercial Pest Control Outdoors [Terrestrial Non-Food, Non-Residential Commercial]:

- 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).
- Interior treatment of warehouses, railroad boxcars, industrial plants, manufacturing plants only.

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).

Public Health Uses Only:

- USDA Quarantine Use: soil treatment of potted, containerized, or balled and burlapped nursery stock plants in nurseries and greenhouses only.
- Public health uses to control individual 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.

C. 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.

D. EXPERIMENTAL USES: This product may be formulated into insecticide products for uses for experimental purposes that are in compliance with US EPA requirements.

E. 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, termiticide uses."

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: STORE IN A DRY PLACE.

PESTICIDE DISPOSAL: Improper disposal of unused pesticide or rinse water is a violation of Federal law. If these wastes cannot be disposed of 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 in proper disposal methods.

CONTAINER HANDLING: NONREFILLABLE CONTAINER. DO NOT REUSE OR REFILL THIS CONTAINER.

Completely empty container into equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. For minor spills, follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions of warranties and limitations of liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following **CONDITIONS, DISCLAIMER OF WARRANTIES and LIMITATIONS OF LIABILITY.**

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks 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 ADAMA. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, ADAMA makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of ADAMA is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, ADAMA disclaims any liability whatsoever for special, incidental, or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at ADAMA's election, the replacement of product.

Pyrinex is a registered trademark of an ADAMA Group Company.

Pyrinex Chlorpyrifos Insecticide -11678-58-BiOp – 12Sep23