

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON D C 20460



OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

July 23 2012

Ms Brooke Hedrick
Makhteshim Agan of North America Inc
3120 Highwoods Blvd Suite 100
Raleigh NC 27604

Dear Ms Hedrick

Subject Amended label to revise the directions for use in nurseries
Product Name Pynex® Chlorpyrifos Insecticide
EPA Registration No 11678 58
EPA Decision No 465839
Your submission dated 6/1/2012

The labeling referred to above submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act is acceptable A stamped copy of the label is enclosed for your records Please submit one copy of your final printed labeling before you release the product for shipment 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(e) If you have any questions please contact Julie Chao by phone at (703) 308 8735 or by email at chao.julie@epa.gov

Regards

A handwritten signature in black ink that reads "Venus Eagle".

Venus Eagle Product Manger (01)
Insecticide Rodenticide Branch
Registration Division (7505P)

Enclosure

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%
INERT INGREDIENTS		2.1%
TOTAL		100%

**KEEP OUT OF REACH OF CHILDREN
WARNING**

ACCEPTED
JUL 23 2012

Under the Federal Insecticide Fungicide,
and Rodenticide Act as amended for the
pesticide registered under

Manufactured for
Makhteshim Chemical Works Ltd
c/o Makhteshim Agan of North America Inc
3120 Highwoods Blvd Suite 100
Raleigh NC 27604

EPA Reg No 11678-58

EPA Reg No 11678 58

EPA Est No XXXXXXXXXX

NET CONTENTS ___ LBS

FIRST AID	
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 PROSAR at 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 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 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 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
 - Cauliflower 3 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 only one application of any chlorpyrifos containing product can be made per year to the lower 4 feet of the trunk) 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) caneberrries cherimoya cherries (sour sweet) **citrus fruits** corn (field corn sweet corn (including corn grown for seed)(maximum of 3 lb ai/acre/season) cotton cranberry cucumber date feijoa fig grape kiwifruit leek **legume vegetables (succulent or dried)** 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** turnip wheat seed treatment

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 seed orchards felled trees cut stumps

Commercial Livestock Housing Cattle ear tags poultry houses turkey barns swine barns and dairy barns only

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) 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 food processing 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 food processing 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 Open dumping is prohibited

PESTICIDE 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 HANDLING Nonrefillable container Do not reuse or refill this container Offer for recycling if available Clean container promptly after emptying Triple rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container 1/4 full with water Replace and tighten closures Tip container on its side and roll it back and forth ensuring at least one complete revolution for 30 seconds Stand the container on its end and tip it back and forth several times Turn the container over onto its other end and tip it back and forth several times Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal Repeat this procedure two more times If recycling is not available puncture or dispose of in a sanitary landfill or incineration or if allowed by state and local authorities by burning If burned stay out of smoke 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 FIRE OR OTHER EMERGENCY Isolate the spill Hold this package other cargo and vehicles involved

GENERAL Consult Federal state or local disposal authorities for approved alternative procedures

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 Makhteshim Chemical Works Ltd All such risks shall be assumed by the user or buyer

DISCLAIMER OF WARRANTIES To the extent consistent with applicable law Makhteshim Chemical Works Ltd 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 Makhteshim Chemical Works Ltd is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein To the extent consistent with applicable law Makhteshim Chemical Works Ltd 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 Makhteshim Chemical Works Ltd s election the replacement of product

Pyrex is a registered trademark of Makhteshim Chemical Works Ltd

Pyrex Chlorpyrifos Insecticide (11678 58)(EPA app 8 11 08)(notif to EPA 11 13 09)
(fast track amend to EPA 33 01 12)