



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 17, 2014

Carrie M. Tackema
Regulatory Manager
Nufarm Americas, Inc.
4020 Aerial Center Parkway, Suite 101
Morrisville, NC 27560

Subject: Label Amendment – Agency Initiated to Clarify Turf Use
Product Name: Nufarm Chlorpyrifos SPC 2.32% G Insecticide
EPA Registration Number: 228-620
Application Date: 12/01/14
Decision Number: 490032

Dear Carrie Tackema

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, 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. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 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.

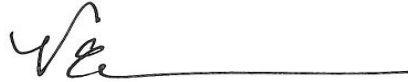
Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded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

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with FIFRA section 6. If you have any questions, please contact Jessica Rogala by phone at 703-347-0263, or via email at rogala.jessica@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'VE', followed by a horizontal line extending to the right.

Venus Eagle, Product Manager 01
Invertebrate & Vertebrate Branch 3
Registration Division (7505P)
Office of Pesticide Programs

Nufarm Chlorpyrifos SPC 2.32% G Insecticide

For Use Only on Golf Course Turf, Road Medians and Exterior Areas of Industrial Plant Sites to Control Chinch Bugs, Asian Roaches, Fire Ants, Fleas, Ticks, Foraging Ants, Mole Crickets and other listed outdoor insects.

ACTIVE INGREDIENT:

Chlorpyrifos (O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate)2.32%

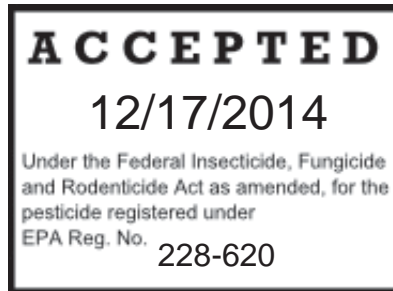
OTHER INGREDIENTS: 97.68%

TOTAL: 100.00%

.023% Chlorpyrifos contained in 1 lb.

KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

See inside label booklet for DIRECTIONS FOR USE , Additional FIRST AID and PRECAUTIONARY STATEMENTS



EPA Reg. No. 228-620

EPA Est. No.

Manufactured for:
Nufarm Americas Inc.
11901 S. Austin Ave.
Alsip, IL 60803

Nufarm Chlorpyrifos SPC 2.32% G
Insecticide contains chlorpyrifos, the
active ingredient used in Dursban®.

Net Weight: _____ (Lbs)

[Nufarm Grow a better tomorrow]

[Grow a better tomorrow]

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION/PRECAUCION**

Causes moderate eye irritation. Avoid contact with eyes and clothing. Harmful if swallowed.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Loaders, applicators and all other handlers must wear:

- long-sleeved shirt and long pants;
- socks and shoes.

In addition to the above, loaders must wear:

- chemical-resistant gloves such as natural rubber \geq 14 mils;
- chemical-resistant apron;
- a NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any N, R, P, or HE filter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after using this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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.
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 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 by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

NOTE TO PHYSICIAN

Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate degree of exposure (baseline data are useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine. In case of severe acute poisoning, use antidotes immediately after establishing an open airway and respiration.

ENVIRONMENTAL HAZARDS

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.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

RESTRICTIONS

- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
- The maximum application rate of this product for all applications on this label is 1 lb. a.i. per acre per year. There is .023 lbs a.i. in 1 lb. of product.
- The maximum application of this product is 43 lbs. of product per acre per year.
- Do not enter or allow others to enter until dusts have settled.
- Do not use on residential turf or in residential areas.

USE DIRECTIONS

This product may be used for mound treatment control of imported fire ants⁽⁷⁾. It also controls: Ants (including Carpenter, Argentine and Foraging), Armyworms (Beet, Fall, Yellowstriped), 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⁾. (Refer to the numbered paragraphs in the USE DIRECTIONS section of this label for specific insect control application information).

The following numbered paragraphs correspond to numbers in parenthesis () from the list of insects in the DIRECTIONS FOR USE section above. Insects not numbered may be controlled by following the APPLICATION DIRECTIONS FOR USE ON GOLF COURSE TURF ONLY section of this label. Repeat treatments as needed for control not to exceed the maximum amount per year.

(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 golf course turf, road medians, and exterior areas of industrial plant sites. DO NOT allow public use of treated area during applications.

(2) Chinch Bugs

Apply $\frac{3}{4}$ lb. of this product per 750 to 1,000 sq. ft. (40 to 43 lbs. per 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 the lower rate as a preventative treatment or for light infestation. Use the higher rate when insects are present in large numbers and turf is being damaged.

(3) Sod Webworms

For sod webworms, apply this product at the rate of 40 lbs. per acre. 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.

(4) Mole Crickets

Use 40 lbs. of this product per acre. Treat suspected problem areas when insects become a problem or as specified by your local Agricultural Extension Service Specialist.

The best time to control Adult Mole Crickets:

March to August – egg-laying time

February to September – 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. of this product per acre. Apply enough water to thoroughly wash the insecticide into the turf to improve efficacy. For best results, remove thatch first and treat when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service Specialist for best time to treat.

European Crane Fly larvae will be controlled using 1.0 lb of this product per 1,000 sq. ft. or will be controlled simultaneously with the same application being applied for control of White Grubs. Consult your local Agricultural Extension Service Specialist for best time to apply. For best results, first remove thatch. Water the granules into the soil.

(6) Bluegrass Billbugs

Use 35 lbs. of this product per acre. To improve control, apply enough water to wash granules into the soil where insects are feeding.

(7) Imported Fire Ant Control

Mound Treatment – For treatment of Fire Ant mounds. For Professional Use Only. Treat individual ant mounds measuring from 3 to 12 inches in diameter by applying ½ 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 of granules sprinkled evenly over the center of the mound. After granule application, 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°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.

APPLICATION DIRECTIONS FOR USE ON GOLF COURSE TURF ONLY

Apply this product uniformly to golf course turf using any hand or power operated type spreader designed for application of granules. Treat at the rate of 1.0 lb/1,000 sq. ft. (43 lbs. of this product per acre) when surface insects first appear. Increase this rate as indicated for control of certain soil insects under the USE DIRECTIONS section of this label. For best efficacy, sprinkle the turf with water to move the granules into the zone of insect infestation. Repeat treatment as necessary. Observe the watering limitation described in (3) Sod Webworms in the SPECIFIC DIRECTIONS section of this label.

RATE TO USE FOR SURFACE INSECTS ON GOLF COURSES

For control of Ants (including Carpenter, Argentine and Foraging), 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 lb./1,000 sq. ft.

FOR SOIL FEEDING INSECTS ON GOLF COURSES

Refer to the SPECIFIC DIRECTIONS section of this label (paragraphs (3), (4), and (5)) for rates to control the listed turf insects that 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 ensure the correct rate of application.

NOTE: The age, condition of spreader and operator speed can cause a wide variation of rates.

PERIMETER TREATMENT AROUND BUILDINGS AT INDUSTRIAL PLANT SITES (WAREHOUSES, FOOD PROCESSING AND FOOD MANUFACTURING SITES) – USE FOR CRAWLING INSECT CONTROL

Use this product to protect against insects entering indoors. Place a band of granules around the outside of the building to kill Ants (including Carpenter, Argentine and Foraging), Ticks (Brown Dog Tick), Crickets, Earwigs, Fleas, Millipedes, Roaches (Asian), Sowbugs, and Springtails before they attempt to enter. Use 0.5 lb. of this product to treat 500 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 the public (especially children and pets) off treated areas until the granules are sprinkled in and the area is dry.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in a cool, dry locked place out of the reach of children.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use 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.

CONTAINER DISPOSAL: Nonrefillable container. **DO NOT** reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available, or place empty container in trash.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS 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.** UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

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