

42519-19

06-01-2004

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

JUN 1 2004

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Mr. Michael Kellogg
Agent for
Luxemburg-Palmol, Inc.
11324 17th Ave. Ct. NW
Gig Harbor, WA 98332

Subject: Registration of DORSAN 4E-45 (Chlorpyrifos)
EPA Reg. No. 42519-19
Resubmission dated October 02, 2003 in response to Agency's letter of
September 8, 2003.

Dear Mr. Kellogg:

The labeling referred to above submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable.

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

Please submit three (3) copies of the final printed before shipment. If you have any questions please call me at (703) 308-8328.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Akiva Abramovitch".

Akiva Abramovitch, Ph.D.

Chemist

Insecticide-Rodenticide Branch
Registration Division (7505C)

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(Base label):

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

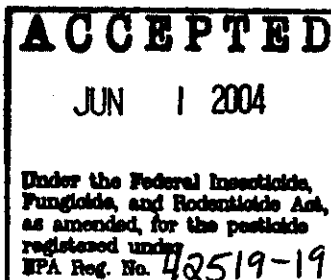
(logo) Luxembourg-Pamol, Inc.

Dorsan 4E-45

Active Ingredient:

chlorpyrifos: O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate

44.9%
Inert Ingredients* 55.1%
Total 100.0%



Contains 4 pounds of chlorpyrifos per gallon.

*Contains xylene range aromatic solvents.

Keep Out of Reach of Children

WARNING AVISO

Precaucion al usuario: Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

Precautionary Statements

Hazards to Humans and Domestic Animals

May Be Fatal If Swallowed • Absorption Through Skin May Be Fatal • Causes Substantial But Temporary Eye Injury • Causes Skin Irritation • This Product May Cause Skin Sensitization Reactions In Certain Individuals

Do not get in eyes, on skin, or on clothing. Avoid breathing vapors and spray mist. Handle concentrate in a ventilated area. When handling concentrate wear eye protection and protective clothing such as long-sleeved shirt, long-legged pants, rubber gloves and footwear, i.e. neoprene or nitrile butadiene rubber, resistant to aromatic solvents. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs, and water supplies.

FIRST AID	
If swallowed:	<ul style="list-style-type: none"> • <u>Immediately call a poison control center or doctor. Call a poison control center or doctor immediately for treatment advice.</u> • <u>Have person sip a glass of water if able to swallow.</u> • Do not induce vomiting unless told to do so by a poison control center or doctor. • <u>Do not give any liquid to the person.</u> • Do not give anything by mouth to an unconscious person.
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.

	<ul style="list-style-type: none"> eye. 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 1-800-424-9300 for emergency medical information.	
NOTE TO PHYSICIAN	
Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance 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 antidote immediately after establishing an open airway and respiration. Contains petroleum distillate. Do not induce vomiting – vomiting may cause aspiration pneumonia.	

Environmental Hazards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Physical or Chemical Hazards

Do not use or store near heat or open flame. Do not cut or weld container.

Refer to label booklet for additional precautionary information and Directions for Use.

Notice: Read the entire label. Use only according to label directions. **Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.**

In case of emergency endangering health or the environment involving this product, call 1-800-424-9300. Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 42519-19

EPA Est. xxxxx-xx-x

Luxembourg-Pamol, Inc. • Memphis, TN 38137 USA

Specialty Insecticide

Net Contents XXX

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(Datapack cover):

RESTRICTED USE PESTICIDE
For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

(logo) Luxembourg-Pamol, Inc.

Dorsan 4E-45

Active Ingredient:

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(3,5,6-trichloro-2-pyridinyl)	
phosphorothioate	44.9%
Inert Ingredients*	55.1%
Total	100.0%

Contains 4 pounds of chlorpyrifos per gallon.

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Precautionary Statements

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washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

Physical or Chemical Hazards

Do not use or store near heat or open flame. Do not cut or weld container.

Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Chemigation: Do not apply this product through any type of irrigation system.

Do not formulate this product into other end-use products.

Not for use on plants grown for sale or other commercial use, or for commercial seed production, or for research purposes.

Storage and Disposal

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

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. Storage below 20°F may result in formation of crystals. If product crystallizes, store at 50 to 70°F and agitate to redissolve crystals. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

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.

Metal Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by state or local authorities.

Plastic Container Disposal: Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Reusable Portable Container Disposal: Do not rinse or put any other material into container. When returning reusable portable container, seal all openings and return to Luxembourg-Pamol, Inc.

General Information

Dorsan 4E-45 insecticide is an emulsifiable concentrate for use as a spray to control various insect pests. The pests controlled are listed in the accompanying tables. Dorsan 4E-45 is compatible with insecticides, miticides, and fungicides commonly recommended except for alkaline materials such as Bordeaux mixture and lime. A small amount of spray mixture should be prepared to check for compatibility before a large volume of spray is mixed.

Attention: Do not allow public access to treated areas until spray has dried. Keep out of fishpools and other bodies of water. Do not treat vegetable gardens. Do not allow livestock to graze in treated areas. Do not feed treated grass cuttings (hay) or seed screenings to livestock nor use hay for livestock bedding. Do not use in poultry houses.

**Turf in Golf Courses, Road Medians and Industrial Plant Sites
(Maximum Use Rate of 1 qt (1 lb a.i.)/Acre)**

Within the specified use sites, use Dorsan 4E-45 to control the pests listed in the following table by applying at the recommended dosages and in accordance with the directions given below. Dilute Dorsan 4E-45 in water and apply as a coarse, low-pressure spray using suitable application equipment. Thoroughly water immediately after treatment to wash the insecticide into the turf, except as noted. For best results, the turf should be moist at time of treatment. Spray when pests first appear; re-treat when needed.

Pest†	Amount of Dorsan 4E-45 per		Specific Directions
	1000 sq ft	Acre	
	3/4 fl oz	1 qt	
Ants (including foraging fire ants) Armyworms (Beet) (Fall) (Yellowstriped) Centipedes Chiggers ¹ Chinch bugs Clover mites Cutworms Crickets Earwigs Fiery skipper Fire ants (mounds) ² Fleas Gnats Grasshoppers Greenbugs June beetles Leafhoppers Lucerne moths Millipedes Mites (Clover) (Formula grass) (Winter grain) Mosquitoes ³ Sod webworms ⁴ (lawn moths) Sowbugs Springtails Ticks ¹			1. Use Dorsan 4E-45 for area control of ticks and chiggers infesting golf courses, road medians, and industrial plant sites where these pests are present and create a nuisance or a possible public health problem. Do not allow public use of treated areas during application or until spray has dried. Apply Dorsan 4E-45 in water at the rate of 1/2 pint/acre (equivalent to 1/2 fl oz/2,700 sq ft) using a hydraulic sprayer, mist applicator, knapsack sprayer, or other suitable hand- or power-operated spray equipment. Treat low underbrush, grassy areas, weeds, and ground surface and debris using enough spray volume to obtain thorough coverage, usually 40 - 100 gal/acre. 2. For individual fire ant mounds , apply Dorsan 4E-45 as a drench, diluted at the rate of 1 fl oz (30 ml) per 4 gal of water. Gently sprinkle a total of 1 gal of the diluted emulsion over the surface of each mound using a gentle spray (such as a sprinkler can). Thoroughly wet mound and surrounding areas to a 4 ft diameter (12 sq ft). For best results, apply in cool weather, 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness. 3. <u>For use only as adulticide in mosquito control programs associated with public health:</u> Mosquitoes coming to rest on areas treated for control of turf pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions. 4. For sod webworms , delay watering and mowing the treated area for 12 - 24 hours after treatment.
	3/4 fl oz	1 qt	
Bluegrass billbugs ¹			1. For bluegrass billbugs , spray early in the season when adults first appear. Re-treat

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	as needed.
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†Superscripts refer to Specific Directions.

Pest Control on Outside Surfaces and Around Buildings (Industrial Plant Sites Only)

Apply Dorsan 4E-45 as a residual spray to outside surfaces of buildings including window frames, eaves, patios, garages, refuse dumps, and other areas where pests congregate or have been seen. Repeat treatment as needed to maintain effectiveness.

Pest †	Amount of Dorsan 4E-45 in Water to Make			Specific Directions
	1 gallon	10 gallons	50 gallons	
Ants	For Band Treatment¹			1. To help prevent infestation of buildings, treat a band of soil 6 - 10 ft wide around and adjacent buildings, also the building foundation to a height of 2 - 3 ft, where pests are active and may find entrance. Use 4 fl oz of Dorsan 4E-45 per 50 gal of water and apply as a coarse spray at the rate of about 10 gal spray mixture per 1,000 sq ft to thoroughly and uniformly wet the band area. 2. <u>For use only as adulticide in mosquito control programs associated with public health.</u> 23. For scorpions , treat or remove accumulations of lumber, firewood, and other materials which serve as insect harborage sites.
Bees	1/12 fl oz	3/4 fl oz	4 fl oz	
Carpenter ants				
Clover mites				
Cockroaches ††				
Crickets	For Outside Surfaces			
Earwigs				
Fleas	1 1/3 fl oz	13 1/3 fl oz	2 qt	
Flies				
Hornets				
Millipedes				
Mosquitoes ²				
Scorpions ² Scorpions ³				
Silverfish				
Sowbugs				
Spiders				
Ticks				
Wasps				
Yellowjackets				

† Superscripts refer to Specific Directions.

†† Controls American and smokey brown cockroaches.

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Warranty Disclaimer

Luxembourg-Pamol, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. Luxembourg-Pamol, Inc. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Luxembourg-Pamol, Inc. or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Luxembourg-Pamol, Inc.'s election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used

Luxembourg-Pamol, Inc. shall not be liable for losses or damages resulting from handling or use of this product unless Luxembourg-Pamol, Inc. is promptly notified of such loss or damage in writing. In no case shall Luxembourg-Pamol, Inc. be liable for consequential or incidental damages or losses.

The terms of the "Warranty Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Luxembourg-Pamol, Inc. or the seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

