

42519-20

9-11-2003

1/10



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

SEP 11 2003

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

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

Subject: Label Amendment: 2001-1 First Aid.  
DORSAN 2E (Chlorpyrifos)  
EPA Reg. No. 42519-20  
Submission dated June 10, 2003.

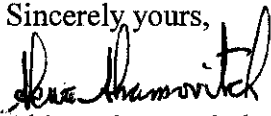
Dear Mr. Kellogg:

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

- 1) Add under the Total for the ingredients the statement "Contains petroleum distillates" with an \* and add an \* to inert ingredients.

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

Please submit two (2) copies of the final printed before shipment. If you have any questions please call me at (703) 308-8328.

Sincerely yours,  
  
Akiva Abramovitch, Ph.D.  
Chemist  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

2/10

(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 2E**

Active Ingredient:

- chlorpyrifos: O,O-diethyl-O-(3,5,6-trichloro-2-pyridinyl)phosphorothioate..... 24.8%
- Inert Ingredients..... 75.2%
- Total ..... 100.0%

Contains 2 pounds of chlorpyrifos per gallon.

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
SEP 11 2003**

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

~~42519~~ 20  
42519

**Keep Out of Reach of Children**

**WARNING AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

**May Be Fatal If Swallowed • Excessive Absorption Through Skin May Be Fatal • Causes Substantial But Temporary Eye Injury • Causes Skin Irritation**

**Do not get in eyes, on skin or clothing. Wear eye protection: (goggles, face shield, or safety glasses with front, brow, and temple protection). Handle concentrate in a ventilated area. Wear protective clothing and chemically resistant gloves when handling. 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:** Call a physician or Poison Control Center immediately. Do not induce vomiting. Contains an aromatic petroleum solvent. Do not give anything by mouth to an unconscious person.
- If on skin:** Immediately wash with plenty of soap and water. Get medical attention.
- If in eyes:** Flush with plenty of water for 15 minutes. Get medical attention.
- If inhaled:** Remove to fresh air if symptoms of cholinesterase inhibition appear and get medical attention immediately.

**FIRST AID**

|                                |  |
|--------------------------------|--|
| <b>If swallowed:</b>           | <ul style="list-style-type: none"> <li>Immediately call a poison control center or doctor.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give any liquid to the person.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul> |
| <b>If on skin or clothing:</b> | <ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>  |
| <b>If in eyes:</b>             | <ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> </ul>  |

3/10

|   |   |
|---|---|
|   | <ul style="list-style-type: none"> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>  |
| <b>If inhaled:</b>  | <ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul> |
| <b>HOT LINE NUMBER</b>  |   |
| 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.   |   |
| <b>NOTE TO PHYSICIAN</b>  |   |
| 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 – 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, or 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**

**Combustible - 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 including Storage and Disposal.**

**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. 42519-20

EPA Est. xxxxx-xx-xx

Luxembourg-Pamol, Inc. • Memphis, TN 38137 U.S.A.

**Specialty Insecticide**

**Net Contents XXX**

(Datapack cover):

4/110

**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 2E**

Active Ingredient:

|  |        |
|--|--------|
| chlorpyrifos: O,O-diethyl-O-(3,5,6-trichloro-2-pyridinyl)phosphorothioate..... | 24.8%  |
| Inert Ingredients.....   | 75.2%  |
| Total .....  | 100.0% |

Contains 2 pounds of chlorpyrifos per gallon.

**Keep Out of Reach of Children**

**WARNING AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**Refer to label booklet for additional precautionary information and Directions for Use including Storage and Disposal.**

**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. 42519-20

EPA Est. xxxxx-xx-xx

Luxembourg-Pamol, Inc. • Memphis, TN 38137 U.S.A.

**Specialty Insecticide**

**Net Contents XXX**

(Page 1 through end):

| <b>Table of Contents</b>  | <b>Page</b> |
|---|-------------|
| Precautionary Statements  |             |
| Hazards to Humans and Domestic Animals  | -           |
| First Aid   | -           |
| Environmental Hazards   | -           |
| Physical or Chemical Hazards  | -           |
| Directions for Use  |             |
| Storage and Disposal  | -           |
| Pests Outdoors (Non-residential)  | -           |
| General Information   | -           |
| Pests on Outside Surfaces of Buildings (Industrial Plant Sites Only)          | -           |
| Pests of Turfgrass Areas  |             |
| (Golf Courses, Road Medians, and Industrial Plant Sites <u>Only</u> )         | -           |
| Dosage and Directions for Use on <u>Turfgrass</u>                             | -           |
| Area Control of Ticks and Chiggers  | -           |
| Treatment of Fire Ant Mounds (Includes Residential and Non-residential Areas) | -           |
| Warranty Disclaimer   | -           |
| Inherent Risks of Use   | -           |
| Limitation of Remedies  | -           |

6/10

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

**WARNING**

**May Be Fatal If Swallowed • Excessive Absorption Through Skin May Be Fatal • Causes Substantial But Temporary Eye Injury • Causes Skin Irritation**

**Do not get in eyes, on skin or clothing. Wear eye protection: (goggles, face shield, or safety glasses with front, brow, and temple protection). Handle concentrate in a ventilated area. Wear protective clothing and chemically resistant gloves when handling. 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:** Call a physician or Poison Control Center immediately. Do not induce vomiting. Contains an aromatic petroleum solvent. Do not give anything by mouth to an unconscious person.

**If on skin:** Immediately wash with plenty of soap and water. Get medical attention.

**If in eyes:** Flush with plenty of water for 15 minutes. Get medical attention.

**If inhaled:** Remove to fresh air if symptoms of cholinesterase inhibition appear and get medical attention immediately.

**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.

**FIRST AID**

|                                |  |
|--------------------------------|--|
| <b>If swallowed:</b>           | <ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| <b>If on skin or clothing:</b> | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| <b>If in eyes:</b>             | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>                  |
| <b>If inhaled:</b>             | <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>              |

**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 – vomiting may cause aspiration pneumonia.

7/10

### **Environmental Hazards**

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water, or 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**

**Combustible - 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.

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

8/10

**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. 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.

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

---

**Pests Outdoors (Non-residential)**

---

**General Information**

Use Dorsan 2E for control of certain pests on outside surfaces of buildings of industrial plant sites and on golf course turfgrass and for area control of ticks and chiggers. Consult the following directions for dosage and application details to control the listed pests.

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

**Pests on Outside Surfaces of Buildings (Industrial Plant Sites Only)**

Use Dorsan 2E at the rate of 2.6 fluid ounces per one gallon of water (0.5% chlorpyrifos emulsion) to control **ants, clover mites, cockroaches, crickets, earwigs, fleas, flies, millipedes, mosquitoes, sowbugs, spiders and ticks** by application as a residual spray or with a paint brush to outside surfaces of buildings including porches, screens, window frames, eaves, patios, garages, refuse dumps and other areas where these pests congregate or have been seen. Repeat treatment as needed to maintain effectiveness.

**Note:** To help prevent infestation of buildings by ants, crickets, earwigs, millipedes and sowbugs (pillbugs), treat a band of soil 6 to 10 feet wide around and adjacent to buildings, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 1 pint of Dorsan 2E per 100 gallons of water and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1000 square feet to thoroughly and uniformly wet the band area.

**Pests of Turfgrass Areas  
(Golf Courses, Road Medians and Industrial Plant Sites Only)**

Use Dorsan 2E to control pests listed in the following table. Apply at the recommended dosages and in accordance with the directions given below. Dilute Dorsan 2E in enough water to obtain complete and uniform coverage of pest infested areas 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 turfgrass should be moist at time of treatment.

**Restriction:** The maximum application rate is 2 qt (1 lb a.i.)/acre.



9/10

## Dosage and Directions for Use on Turfgrass

| Pest  | Dosage Dorsan 2E per 1000 sq ft | Remarks   |
|---|---------------------------------|---|
| ants<br>armyworms<br>chiggers<br>chinch bugs<br>clover mites<br>crickets<br>cutworms<br>earwigs<br>fleas<br>grasshoppers<br>sod webworms<br>ticks | 1.5† fl oz                      | Spray when pests first appear, re-treat when needed. For sod webworms delay watering or mowing the treated areas from 12 to 24 hours after treatment. |

† 1.5 fl oz per 1000 sq ft = 7.5 fl oz per 5000 sq ft = 1 pint per 10,700 sq ft = 2 quarts per acre.

### Area Control of Ticks and Chiggers

Use Dorsan 2E to control ticks and chiggers infesting golf course turfgrass, road medians, and industrial plant sites where these pests are present and create a nuisance or possible public health problem. Apply Dorsan 2E in water at the rate of 1 pint per acre (equivalent to 1 fl oz per 2,700 sq ft) using a hydraulic sprayer, mist applicator, knapsack sprayer, or other suitable hand or power spray equipment. Treat low underbrush, grassy areas, weeds, and ground surface and debris using enough spray volume to obtain thorough coverage, usually 40 to 100 gallons per acre.

### Use Precautions

Do not allow public use of treated areas during application or until spray has dried.

### Treatment of fire ant mounds (Includes Residential and Non-residential Areas)

Apply Dorsan 2E as a drench diluted at the rate of 1 fluid ounce (30 cc) per 2 gallons of water. Gently sprinkle a total of 1 gallon of the diluted solution over the surface of each mound using a sprinkler can. Thoroughly wet mound and surrounding area to a 4-foot diameter (12 square feet). 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.

---

### 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.

10/10

---

### **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.