

# Specimen 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.



# Dursban<sup>®</sup> Pro

## Specialty Insecticide

\*Trademark of Dow AgroSciences LLC

### Active Ingredient:

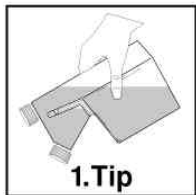
chlorpyrifos: 0,0-diethyl 0-(3,5,6-trichloro-2-pyridinyl) phosphorothioate ..... 23.5%

Inert Ingredients ..... 76.5%

Total ..... 100.0%

Contains 2.0 pounds of chlorpyrifos per gallon.

### Container Use Directions



1. Tip



2. Level



3. Dispense

1. Remove the measuring chamber cap and induction seal. Replace cap and securely tighten. Tip container until liquid fills measuring chamber.
2. Return container to level position. No adjustment is needed.
3. Remove measuring chamber cap and dispense into proper application equipment.

**For multiple dose measuring:** remove fill chamber cap and dispense according to markings on side of bottle.

EPA Reg. No. 62719-166

## Keep Out of Reach of Children

## CAUTION

## PRECAUCION

**Precaucion al usuario:** 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

Harmful If Swallowed, Inhaled, Or Absorbed Through Skin

Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wear eye protection (goggles, face shield, or safety glasses with front, brow, and temple protection), and chemically resistant gloves when handling concentrate to reduce exposure to the eyes and skin. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse.

**Note:** See specific use directions for personal protective equipment (PPE) required for application of this product.

#### First Aid

**If swallowed:** Call a physician or Poison Control Center immediately. Do not induce vomiting. Do not put anything into the mouth of an unconscious person.

**If on skin:** Wash exposed area with plenty of soap and water. Get medical attention.

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

**If inhaled:** Remove person to fresh air and if not breathing give artificial respiration, preferably by mouth to mouth. Get medical attention.

**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.

#### 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. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Cover or contain spills outdoors and dispose of in a manner consistent with local, state, and federal regulations.

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

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at [www.dowagro.com](http://www.dowagro.com).

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

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## Directions for Use

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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.

**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 or fertilizers. Do not store above 122°F for extended periods of time. Preferred storage is above 32°F. Storage below 32°F may result in solidification. If warmed to above 32°F, product will return to original form. Freezing does not adversely affect this product. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

**Storage for Dilutions:** Dilutions of Dursban Pro are sensitive to crystal formations when exposed to freezing, or near freezing temperatures, e.g., temperatures below 35°F, for extended periods of time. Therefore, dilutions allowed to stand overnight should be stored at temperatures above 40°F.

**Pesticide Disposal:** Excess pesticide resulting from the use of this product may be disposed of on site according to label directions or at an approved waste disposal facility.

**Container Disposal:** Do not reuse empty container. Triple rinse, wrap container and put in trash.

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## General Pest Control – Perimeter Treatments (Industrial Plant Sites Only)

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### Directions for Perimeter Treatments

Dursban Pro is intended to be mixed with water and applied as an outdoor perimeter treatment in industrial plant sites with pressurized sprayers as a general surface spray.

### PPE for Perimeter Treatments

- Wear eye protection (goggles, face shield, or safety glasses with front, brow, and temple protection) when making overhead applications

### Precautions for Perimeter Treatments

- Do not allow public access to treated areas until spray has dried.
- Keep out of fish pools 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, or use treated hay for livestock bedding.

### Treatment Sites

Permitted areas of use on industrial plant sites include but are not limited to:

decks	patios
driveways	refuse dumps
eaves	walkways
fences	walls
foundations	window and door frames
garages	

### Dosage Rates

Applications of 0.03% to 0.5% Dursban Pro can be made depending on pest species and method of application. See "Application Methods" for additional information.

### Mixing Directions

To make a 0.03% water based spray, add 1 2/3 fl oz Dursban Pro per 10 gallons of spray. To make a 0.5% water based spray add 2 2/3 fl oz Dursban Pro per each gallon of spray.

A stable emulsion of Dursban Pro can be formed by first adding approximately one-half the water to the spray tank followed by adding the proper amount of Dursban Pro. Close the tank and agitate for 5 to 10 seconds. Add remaining water slowly to avoid excess foam.

### Tank Mixing

Unless prohibited by a product's label, users, at their own discretion, can tank mix pesticides currently labeled for similar use patterns. It is always recommended that a small jar compatibility test using proper proportions of chemicals and water be run to check for physical compatibility prior to tank mixing. **Do not** tank mix this product with products containing dichlorvos (DDVP).

### Application Methods

This product may be applied outdoors as a general surface spray. Treat where pests are found or normally occur.

### Low Volume Directed Sprays

Application of low volume, high concentration (about 0.5%) sprays can quickly reduce localized heavy pest infestations on outside surfaces. Use a low pressure system with a pinpoint or variable pattern nozzle, such as a 1 gallon hand pump sprayer, and apply the spray mixture to specific areas such as cracks and crevices along walkways, patios, windows and door frames or other areas where insects may congregate or can gain entrance to the structure.

### High Volume Broadcast Sprays

Application of high volume, low concentration (0.03% - 0.12%) sprays, such as with power spraying equipment, can help prevent infestation of buildings by reducing pests in outdoor areas. Longer residual is achieved at the higher rates (about 0.12%). To make a 0.03% water based spray, mix 8 fl oz of Dursban Pro per 50 gallons. To make a 0.12% dilution, mix 32 fl oz of Dursban Pro per 50 gallons of water. This type of treatment provides more thorough coverage over large areas than low volume directed sprays. Treat by applying spray mixture directly to areas such as junctions of soil and structural walls, along base of fences, and under eaves. To help prevent infestation of buildings, 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. Apply as a coarse spray at the rate of about 10 gallons spray mixture per 1000 square feet. Thoroughly and uniformly wet the treated area.

## Pests Controlled by Perimeter Treatments of Dursban Pro

Ants	Elm leaf beetles (adults)
Bees	Fire ants (1)
Beetles	Fleas
Boxelder bugs (or other true bugs)	Flies
Carpenter ants	Hornets
Centipedes	Millipedes
Clover mites	Mosquitoes
Cockroaches	Pillbugs
(American)	Scorpions (2)
(Asian)	Sowbugs
(Brownbanded)	Spiders
(German)	Springtails
(Oriental)	Ticks
(Smokybrown)	Wasps
Crickets	Yellowjackets and other outdoor insects
Earwigs	

Numbers refer to "Specific Outdoor Use Directions".

### Specific Use Directions for Perimeter Treatments

1. **Fire ant mounds** may be controlled by applying Dursban Pro as a drench. Dilute 2 fl oz per 4 gallons of water. Gently sprinkle 1 to 2 gallons of the diluted insecticide over the surface of each mound and surrounding areas to a 2 foot diameter. For best results, apply in cool weather, 65 to 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.
2. **Scorpions** may be controlled by removing accumulations of lumber, and other materials serving as harborage sites. Before stacking lumber or other materials, apply Dursban Pro as a localized spray to surfaces immediately below such materials.

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## General Control of Wood-Infesting Insects (Non-residential Outdoor Only)

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Use of this product is limited to non-residential treatment of fence posts, utility poles, railroad ties, landscape timbers, logs, pallets, wooden containers, poles, posts, and processed wood products.

### Directions for General Use to Control Wood-Infesting Insects

Dursban Pro is intended to be mixed with water and applied as a general surface or localized injection treatment with pressurized sprayers or other equipment suitable for applying insecticides to localized areas.

#### PPE for Control of Wood-Infesting Insects

- Wear eye protection (goggles, face shield, or safety glasses with front, brow, and temple protection) when making overhead applications
- To avoid breathing spray mist during application in confined areas, wear a mask or respirator of a type recommended by NIOSH for filtering spray mists

### Precautions for Control of Wood-Infesting Insects

Contact with treated surfaces must be avoided until spray has dried. Do not apply where electrical short circuits could occur.

### Dosage Rates

Applications of 0.5% to 1.0% Dursban Pro can be made depending on pest species and method of application. Expect increased residual control at higher rates. See "Specific Use Directions For Control of Wood-Infesting Insects" for additional information.

### Mixing Directions

To make a 0.5% water based spray mix 2 2/3 fl oz of Dursban Pro per each gallon of spray mixture. To make a 1.0% water based spray mix 5 1/3 fl oz of Dursban Pro per each gallon of spray mixture.

A stable emulsion of Dursban Pro can be formed by first adding approximately one-half the water to a spray tank followed by adding the proper amount of Dursban Pro. Close the tank and shake vigorously for 5 to 10 seconds. To avoid excess foam, slowly add the remaining water.

### Tank Mixing

Unless prohibited by a product's label, users, at their own discretion, can tank mix pesticides currently labeled for similar use patterns. It is always recommended that a small jar compatibility test using proper proportions of chemicals and water be run to check for physical compatibility prior to tank mixing. **Do not** tank mix this product with products containing dichlorvos (DDVP).

### Application Methods

This product may be applied either as a coarse spray or by brushing onto targeted surfaces. Equipment capable of delivering a coarse, low pressure (about 20 psi) spray is recommended for treatment of large or overhead areas. Use sufficient amount of spray dilution to cover the area to the point of wetness but avoid applying to the point of runoff.

### Wood-Infesting Insects Controlled by Dursban Pro

Beetles (1)  
(Anobiidae)  
(Bostrichidae)  
(Cerambycidae)  
(Lyctidae)  
Carpenter ants and other wood-infesting ants (2)  
Carpenter bees  
Termites (3)

Numbers refer to "Specific Use Directions for Control of Wood-Infesting Insects".

### Specific Use Directions for Control of Wood-Infesting Insects

1. **Beetles** may be controlled by applying spray mixture to infested areas, or areas where infestations are likely to occur. Use the following guidelines to determine appropriate rates of application:
  - New Wood, (typically less than 10 years of age) apply at about 1 gallon of dilution per 150 square feet.
  - Old Wood, (typically greater than 10 years of age) apply at about 1 gallon of dilution per 100 square feet.
2. **Wood-Infesting ants** may be controlled by applying spray mixture where ants may crawl or hide.
3. **Termites** can be treated by applying spray mixture to infested areas, or areas where infestations are likely to occur. This treatment is intended to kill localized infestations of workers and winged reproductive forms of termites and to prevent infestation for a temporary period. This application is not intended as a substitute for soil treatments.

**General Pest Control - Turfgrasses  
(Golf Courses, Road Medians, And  
Industrial Plant Sites Only)  
(Maximum Use Rate – 2 qt/acre)**

**Precautions for Turf Use:**

Do not allow entry to treated area until the spray has dried.  
Keep out of fish pools 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 or use hay for livestock bedding.  
Chemigation: do not apply this product through any type of irrigation system.  
It is always recommended that a small jar compatibility test using proper proportions of chemicals and water be run to check for physical compatibility prior to tank mixing.

**General Information**

Dursban Pro is an emulsifiable concentrate for use to control pests injurious to turfgrasses on golf courses, road medians, and industrial plant sites only. The pests controlled are listed in the accompanying tables. Dursban Pro 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.

**PPE for Application to Turf**

- Long-sleeved shirt and long pants
- Chemically-resistant gloves and footwear

**Pests of Turfgrass Areas**

Use Dursban Pro to control the pests listed in the following table by application at the recommended dosages. Dilute Dursban Pro in water and apply using suitable application equipment. For best results, turf should be moist at time of treatment.

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

Pest	Amount of Dursban Pro per	
	1000 sq. ft.	Acre
Ants Armyworms (Such as: Beet, Fall, Yellowstriped) Centipedes Chiggers (1) Chinch bugs Crickets Cutworms Deer ticks (2) Earwigs European crane fly larvae Fiery skipper Fire ants (foraging workers) Fire ants (mounds) (3) Fleas Billbug adults (Such as: Bluegrass, Denver, Hunting) (6)	Gnats Grasshoppers Greenbug aphids Green June beetle grubs Leafhoppers Lucerne moth Millipedes Mites (Such as: Clover, Bermudagrass stunt, Winter grain) Mosquitoes (4) Pillbugs Sod webworms (lawn moths) (5) Sowbugs Ticks (1)	1 1/2 fl oz 2 qt 1 1/2 fl oz 2 qt

**Specific Directions:**

1. Use Dursban Pro 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 Dursban Pro insecticide in water at the rate of 1 pint per acre (1/3 fl oz per 1000 sq. ft.) using a hydraulic sprayer, mist applicator, backpack sprayer, or other suitable hand or power operated spray equipment.
2. For control of **deer ticks** apply Dursban Pro in water at the rate of 2 quarts per acre or 1 1/2 fl oz per 1000 square feet. Treat low underbrush, turf, grassy areas, weeds, and ground surface and debris, using enough spray volume to obtain thorough coverage.
3. For individual **fire ant mounds** apply Dursban Pro as a drench. Dilute 2 fl oz per 4 gallons of water. Gently sprinkle 1 to 2 gallons of the diluted insecticide over the surface of each mound and surrounding areas to a 2 foot diameter. 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.
4. **Mosquitoes** coming to rest on areas treated for control of turf pests will be controlled for varying periods of time after treatment depending on exposure of treated areas to weathering conditions.
5. For **sod webworms**, watering or mowing of the treated area should be delayed for 12 to 24 hours after treatment.
6. For **billbugs**, spray early in the season, just prior to or coinciding with first appearance of adults, as recommended by your local Agricultural Extension Service Specialist.

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### **Warranty Disclaimer**

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Dow AgroSciences 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. Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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### **Inherent Risks of Use**

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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 Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

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### **Limitation of Remedies**

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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 Dow AgroSciences' 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

Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences 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 Dow AgroSciences or the seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

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**Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.**

Label Code: D02-092-014

Replaces Label: D02-092-013

EPA-Accepted 10/26/00

#### **Revisions:**

1. Added "Restricted Use Pesticide" designation.
2. Added language to restrict use areas to non-residential uses.
3. Limited turf application to golf courses, road medians, and industrial plant sites to no greater than 1 lb a.i./acre.
4. Specified Personal Protective Equipment for eye protection as goggles, face shield, or safety glasses with front, brow, and temple protection.