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4-421

09/30/99

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Front Label

For SIG

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TRUSTED SINCE 1926 **BONIDE** ACCEPTED

Dursban® SEP 30 1999

Insect Control Concentrate

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 4-421

- Covers up to 4,000 Sq. Ft. for 8 OZ. (8,000 sq. ft. for Pt., 16,000 for Qt. Sizes)
- Controls Ants, Ticks, Grubs, Fleas and Other Listed Insects.
- Use on Lawns, Ornamentals, Trees, Shrubs and Evergreens.

ACTIVE INGREDIENTS:

Chlorpyrifos CAS No. 2921-88-2	5.40%
OTHER INGREDIENTS:	94.60%
TOTAL	100.00%

Contains Petroleum Distillate

Contains 0.45 lb. chlorpyrifos per gallon.

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

(See back/side panel(s) for additional Precautionary Statements.)

Net Contents: \_\_\_\_\_ oz.

Dursban is a registered trademark of Dow AgroSciences LLC.

Front Panel (booklet)

# DURSBAN® Insect Control Concentrate

**CONTROLS:** Ants, Aphids, Borers, Chiggers, Chinchbugs, Cutworms, Fleas, Fire ants, Grubs, Mites, Mealybugs, Ticks and many other listed insects.

**FOR USE OUTDOORS ON** Lawns, Shrubs, Vines, Ornamentals, Flowering Trees and Evergreens.

**MIX** with water at a dilution rate as low as 2 oz. in 1 or 2 gallons of water.

**APPLY** using a hose end, tank, backpack or handheld pressure sprayer.

Buyers guarantee limited to label claims and refund of purchase price.

EPA Est. No. 4-NY-1

EPA Reg. No. 4-

**Store and transport in an upright position.**

Buyer's Guarantee limited to label claims

Manufactured by  
**BONIDE PRODUCTS, INC**  
Yorkville, NY 13495

**DIRECTIONS FOR USE [VERSION A]**

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

**USER SAFETY RECOMMENDATIONS**

When mixing and applying product, wear long-sleeved shirt, long-legged pants, shoes plus socks, and waterproof gloves. Users should wash outside of gloves prior to removal. Remove contaminated clothing after use. Wash clothing separate from household laundry.

**HOW TO APPLY: SHAKE WELL BEFORE USING.** Mix the concentrate with water and apply in a suitable compressed air sprayer at the recommended rates, or apply using a hose-end sprayer where indicated. For larger spray amounts, multiply the number of fluid ounces in 1 gallon by the number of gallons required to cover the area to be treated. Do not apply this product through any type of irrigation system.

**OUTDOOR PEST CONTROL  
FOR LAWNS & ORNAMENTALS**

For the following lawn or ornamental pests, place the required amount of Dursban® Insect Control Concentrate in a commercially available lawn sprayer or hose-end sprayer. Add water to the concentrate in lawn sprayer jar at the rates specified; or follow directions supplied with hose-end sprayer. Apply by starting at the farthest point and spraying down wind at a steady pace, walking slowly backwards away from the area just treated. Thoroughly water immediately after treatment to wash the insecticide into the turf, except as noted. For best results, the lawn should be moist at the time of treatment. Spray when pests first appear; repeat as needed.

**SURFACE INSECTS:** *Lawn Sprayer* - Mix 2½ fl. oz. in 1 gal. of water to cover 333 sq. ft. *Hose-end Sprayer* (qt. size) - Apply the contents of this container to cover approximately 4,000 sq. ft. (2,000 sq. ft. for pint; 1,000 sq. ft. for 8 oz.). To control Ants, Armyworms, Brown Dog Ticks, Centipedes, Chiggers, Chinch bugs, Clover Mites, Crickets, Cutworms, Earwigs, Fleas, Gnats, Grasshoppers, Greenbugs, June Beetles, Leafhoppers, Lucerne Moths, Millipedes, Mites (clover, formula, winter grain), Sod Webworms, Sowbugs, Springtails and Ticks. Spray when pests first appear, retreat as needed. For Sod Webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment.

**SOIL INSECTS:** Immediately after spraying, irrigate the treated area with ½ to 1 inch of water to wash the insecticide into the underlying soil where insects feed.

**White Grubs** (Black turfgrass aeteniuss, European chafer, Southern masked chafer & Japanese beetle larvae): *Lawn Sprayer* - Mix 5 to 9¾ fl. oz. in 1 gal. of water to cover 333 sq. ft. *Hose-end Sprayer* (qt. size) - Apply the contents of this container to cover 1,000 to 2,000 sq. ft. (500 to 1,000 sq. ft. for pint; 250 to 500 sq. ft. for 8 oz.). Spray when grubs are young and actively feeding near the soil surface, usually during late July and August or as recommended by your local Agricultural Extension Service.

**Bluegrass Billbugs:** *Lawn Sprayer* - Mix 2½ to 9¾ fl. oz. in 1 gal. of water to cover 333 sq. ft. *Hose-end Sprayer* (qt. size) - Apply the contents of this container to cover 2,000 to 4,000 sq. ft. (1,000 to 2,000 sq. ft. for pint; 500 to 1,000 sq. ft. for 8 oz.). Spray early in season when adults first appear. Repeat as needed.

**Hyperodes Weevils:** *Lawn Sprayer* - Mix 4¾ fl. oz. in 1 gal. of water to cover 333 sq. ft. *Hose-end Sprayer* (qt. size) - Apply the contents of this container to cover approximately 2,200 sq. ft. (1,100 sq. ft. for pint; 550 sq. ft. for 8 oz.). Spray suspected problem areas in mid April and again in mid May, or as recommended by your local Agricultural Extension Service.

**European Crane Fly Larvae:** *Lawn Sprayer* - Mix 3¼ fl. oz. in 1 gal. of water to cover 333 sq. ft. *Hose-end Sprayer* (qt. size) - Apply the contents of this container to cover approximately 3,250 sq. ft. (1,600 sq. ft. for pint; 800 sq. ft. for 8 oz.).

**PREMISE TREATMENT FOR CRAWLING INSECTS:** To help prevent infestation of buildings by Ants, Crickets, Earwigs, Millipedes and Sowbugs (Pillbugs), mix ½ fl. oz. in 1 gal. of water and apply using a pressure sprayer as a coarse spray to thoroughly wet a band of soil 6 to 10 ft. wide around and adjacent to the building; also spray the building foundation to a height of 2 to 3 ft.

**AREA CONTROL OF TICKS AND CHIGGERS:** *Pressure Sprayer* - Mix 2 fl. oz. in 1 to 2 gal. of water to cover 1,000 sq. ft. *Hose-end Sprayer* (qt. size) - Apply the contents of this container to cover approximately 16,000 sq. ft. (8,000 sq. ft. for pint; 4,000 sq. ft. for 8 oz.). To control ticks and chiggers infesting non-crop land areas such as roadsides, footpaths and trails, picnic and camping sites, parks, recreational areas and around dwellings and patios where these pests are present and are creating a nuisance. Treat low underbrush, grassy areas, weeds and ground surfaces and debris, using enough spray volume to obtain thorough coverage. **Notice:** Do not allow use of treated areas during application or until spray has dried. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff into lakes, streams, ponds or other bodies of water is likely to occur. Fish and crustaceans may be killed if their waters are contaminated with this product.

**PESTS OF ORNAMENTAL PLANTS:** Use Dursban® Insect Control Concentrate to treat flowers, shrubs, vines, shade and flowering trees, and evergreens infested with the pests listed. Spray to provide complete and uniform coverage. To obtain thorough coverage, a suitable approved spreader sticker may be added to the spray. For best results, apply to both upper and lower leaf surfaces, to twigs, limbs and trunk areas. Attempt to penetrate dense foliage; but avoid over spraying to the point of excessive runoff. Treat when pests appear and repeat at 7 to 10 day intervals, as needed. **Notice:** Keep children and pets off treated areas until spray has dried. Keep out of fishpools and other bodies of water. Do not use on azaleas, camellias, poinsettias, roses or variegated ivy since plant injury is possible.

**Aphids, Bagworms, Eastern Tent Caterpillars, Fall Webworms, Grasshoppers, Mites, Orange-striped Oakworms, Spittlebugs, Whiteflies, Yellownecked Caterpillars:** *Pressure Sprayer* - Mix ¾ fl. oz. in 1 gal. of water. *Hose-end Sprayer* (qt. size) - Apply the contents of this container to cover up to 16,000 sq. ft. (8,000 sq. ft. for pint; 4,000 sq. ft. for 8 oz.), depending on size of plants being treated.

**Cutworms, Leafhoppers, Mealybugs, Thrips (exposed), Mimosa Webworms, Redhumped Caterpillars:** *Pressure Sprayer* - Mix ½ fl. oz. in 1 gal. of water. *Hose-end Sprayer* (qt. size) - Apply the contents of this container to cover up to 16,000 sq. ft. (8,000 sq. ft. for pint; 4,000 sq. ft. for 8 oz.), depending on size of plants being treated.

**Ash Borer, Lilac Borers, Scale Crawlers (Oak Lecanium, Pine Needle, Tea and White Peach):** *Pressure Sprayer* - Mix 3 fl. oz. in 1 gal. of water. *Hose-end Sprayer* (qt. size) - Apply the contents of this container to cover up to 10,000 sq. ft. (5,000 sq. ft. for pint; 2,500 sq. ft. for 8 oz.), depending on size of plants being treated.

Mosquitoes coming to rest on areas treated for control of turf and ornamental plant pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

5/9

**FIRE ANT CONTROL**  
**INDIVIDUAL MOUND & PLANT CONTAINER TREATMENT**

Mix 2½ fl. oz. per 1 gal. of water and apply as a drench using a sprinkler can. Gently apply 1 gal. of the mixture over the surface of each mound. Thoroughly wet mound and surrounding area of 3 x 4 ft. (12 sq. ft.). For best results, apply in cool weather 65°-80° F, early or late in the day. Treat new mounds as they appear. Pressurized sprays may disturb ants and cause migration, which will reduce product effectiveness. Use this same method for control of fire ants that may nest in permanently placed containerized ornamental plants.

**Storage:** Store product in its original container in a cool, dry, locked place out of reach of children.  
**Disposal:** Do not reuse empty container. Wrap in several layers of newspaper and discard in trash.

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**WARNING**

May be fatal if swallowed. May be absorbed through the skin. May be injurious to eyes and skin. Do not get in eyes, on skin or clothing. Avoid breathing of vapors and spray mist. Wash thoroughly after handling. If clothing becomes contaminated with spray, remove and wash before reuse. Keep away from food, feedstuffs and water supplies.

**FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or when going for treatment.

**If Swallowed:** 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 by a poison control center or doctor.

**If In Eyes:** 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. Call a poison control center or doctor for treatment advice.

**If On Skin:** 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:** 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 further treatment advice.

**Note to Physician:** Petroleum distillate may pose an aspiration pneumonia hazard. Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine, only by injection, is the preferable antidote.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water. 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 or allow to drift to blooming crops or weeds if bees are visiting the treatment area.

**PHYSICAL & CHEMICAL HAZARDS**

Do not use, pour, spill or store near heat or open flame.

For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Telecommunications Network at 1-800-858-7378.

**KEEP OUT OF REACH OF CHILDREN**

Dispose of properly  
Buyer's Guarantee limited to label claims

Questions, Concerns or Comments?

Write to  
BONIDE PRODUCTS, INC.  
2 Wurz Ave.  
Yorkville, NY 13495

**DIRECTIONS FOR USE [VERSION B hose-end sprayer packaging]**

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

**USER SAFETY RECOMMENDATIONS**

When applying this product, wear long-sleeved shirt, long-legged pants, shoes plus socks, and waterproof gloves. Users should wash outside of gloves prior to removal. Remove contaminated clothing after use. Wash clothing separate from household laundry.

**HOW TO APPLY: SHAKE WELL BEFORE USING.** This product is ready-to-spray, using the Bonide Dial-A-Spray hose-end sprayer provided. Do not apply this product through any type of irrigation system.

**OUTDOOR PEST CONTROL  
FOR LAWNS & ORNAMENTALS**

Hose-end Sprayer: 1) Make sure knob control lever is in the OFF position. Shake well and attach to hose. 2) Turn water on at faucet, aim nozzle toward area to be treated and turn knob control lever to ON to begin spraying. 3) When finished, turn control lever to OFF position. Turn water off at faucet. Discharge residual water pressure by turning hose-end control lever ON and OFF again. Store out of reach of children.

Apply by starting at the farthest point and spraying down wind at a steady pace, walking slowly backwards away from the area just treated. Thoroughly water immediately after treatment to wash the insecticide into the turf, except as noted. For best results, the lawn should be moist at the time of treatment. Spray when pests first appear; repeat as needed.

**SURFACE INSECTS:** Apply the contents of this container (qt.) to cover approximately 4,000 sq. ft. (2,000 sq. ft. for pint; 1,000 sq. ft. for 8 oz.). To control Ants, Armyworms, Brown Dog Ticks, Centipedes, Chiggers, Chinch bugs, Clover Mites, Crickets, Cutworms, Earwigs, Fleas, Gnats, Grasshoppers, Greenbugs, June Beetles, Leafhoppers, Lucerne Moths, Millipedes, Mites (clover, formula, winter grain), Sod Webworms, Sowbugs, Springtails and Ticks. Spray when pests first appear, retreat as needed. For Sod Webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment.

**SOIL INSECTS:** Immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil where insects feed.

**White Grubs** (Black turfgrass aeteniuss, European chafer, Southern masked chafer & Japanese beetle larvae): Apply the contents of this container (qt.) to cover 1,000 to 2,000 sq. ft. (500 to 1,000 sq. ft. for pint; 250 to 500 sq. ft. for 8 oz.). Spray when grubs are young and actively feeding near the soil surface, usually during late July and August or as recommended by your local Agricultural Extension Service.

**Bluegrass Billbugs:** Apply the contents of this container (qt.) to cover 2,000 to 4,000 sq. ft. (1,000 to 2,000 sq. ft. for pint; 500 to 1,000 sq. ft. for 8 oz.). Spray early in season when adults first appear. Repeat as needed.

**Hyperodes Weevils:** Apply the contents of this container (qt.) to cover approximately 2,200 sq. ft. (1,100 sq. ft. for pint; 550 sq. ft. for 8 oz.). Spray suspected problem areas in mid April and again in mid May, or as recommended by your local Agricultural Extension Service.

**European Crane Fly Larvae:** Apply the contents of this container (qt.) to cover approximately 3,250 sq. ft. (1,600 sq. ft. for pint; 800 sq. ft. for 8 oz.).

**AREA CONTROL OF TICKS AND CHIGGERS:** Apply the contents of this container (qt.) to cover approximately 16,000 sq. ft. (8,000 sq. ft. for pint; 4,000 sq. ft. for 8 oz.). To control ticks and chiggers infesting non-crop land areas such as roadsides, footpaths and trails, picnic and camping sites, parks, recreational areas and around dwellings and patios where these pests are present and are creating a nuisance. Treat low underbrush, grassy areas, weeds and ground surfaces and debris, using enough spray volume to obtain thorough coverage. **Notice:** Do not allow use of treated areas during application or until spray has dried. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff into lakes, streams, ponds or other bodies of water is likely to occur. Fish and crustaceans may be killed if their waters are contaminated with this product.

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**Mosquitoes** coming to rest on areas treated for control of turf and ornamental plant pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

**Storage:** Store product in its original container in a cool, dry, locked place out of reach of children.  
**Disposal:** Do not reuse empty container. Wrap in several layers of newspaper and discard in trash.

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BONIDE PRODUCTS, INC.

2 Wurz Ave.

Yorkville, NY 13495