



# DURSBAN® 2.32G Insecticide

## Turf Insect Control SURFACE INSECT CONTROL

For control of Ants, Armyworms, Bluegrass Billbugs, Centipedes, Chinch Bugs, Clover Mites, Crickets, Earwigs, Fleas, Grasshoppers, Millipedes, Sod Webworms (lawn moth), Sowbugs, Springtails, Ticks and Turfgrass Weevil

## SOIL FEEDING INSECTS

For the control of White Grub larvae of Black Turfgrass Atanidius, European Chater, Japanese Beetle, Southern Masked Chater and Hyperodes Weevil  
EUROPEAN CRANE FLY LARVAE For control of European Crane Fly larvae (Leatherjackets) in turf

## CONTAINERIZED AND/OR POTTED PLANT INSECT CONTROL

For treatment of containerized and/or potted plants for control of Imported Fire Ants, Ants, Armyworms, Beetles, Boxelder Bugs, Cutworms, Sowbugs, Springtails, and similar insect pests

## FIRE ANT CONTROL

For the treatment of Imported Fire Ant at their mounds.

## BUILDING PERIMETER INSECT CONTROL

For control of Ants, Centipedes, Cockroaches, Crickets, Earwigs, Fleas, Scorpions, Silverfish, Sowbugs, Spiders, Springtails, Ticks and other similar insects around building perimeters to prevent their entry into the premises.

## DEER TICK CONTROL

For the control of Deer Ticks, Rocky Mountain Wood Ticks (Bear Ticks), Black Legged Tick (hodesae spp) and Lone Star Tick (Amblyomma spp) which can transmit Lyme Disease

## ACTIVE INGREDIENT:

CHLORPYRIFOS (O,O-diethyl O(3,5,6 trichloro-2-pyridyl) phosphorothioate) 2.32%

## INERT INGREDIENTS:

97.68%

Total 100.00%

DURSBAN® is a Reg. Trademark of The DowElenco  
EPA REG. NO. 32802-22 EPA EST. NO. 32802-WI-1 MO-1

The first letter of code indicates location of manufacturing plant.

NET WEIGHT 60 POUNDS

## KEEP OUT OF REACH OF CHILDREN CAUTION

### STATEMENT OF PRACTICAL TREATMENT

**IF SWALLOWED** Call a physician or Poison Control Center immediately. Induce vomiting by giving victim 1 or 2 glasses of water and touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or comatose person. **IF IN EYES** Flush eyes with plenty of water. Get medical attention. **IF ON SKIN** Remove contaminated clothing and wash affected area with soap and water. Wash clothing before reuse. **IF INHALED** Remove victim to fresh air. Apply artificial respiration if indicated. Get medical attention immediately. **NOTE TO PHYSICIAN:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** May be harmful if swallowed. Do not take internally. Do not breathe dust. Avoid contact with eyes, skin or clothing. Wash contaminated clothing before reuse. Wash thoroughly after handling and before eating or smoking. When watering-in, directed keep children and pets off treated areas until grass is dry. Do not contaminate feed or foodstuffs.

#### ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of equipment washwaters. This product is toxic to fish, birds, and mammals. Do not apply directly to water. Do not apply where runoff is likely to occur. Use only as directed.

### DIRECTIONS FOR USE

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

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **STORAGE:** Store product in its original container in a cool, dry, locked place out of reach of children. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

## TURF INSECT CONTROL SURFACE FEEDING INSECTS

For control of Ants, Armyworms, Bluegrass Billbugs, Centipedes, Chinch Bugs, Clover Mites, Crickets, Earwigs, Fleas, Grasshoppers, Millipedes, Sod Webworms (lawn moth), Sowbugs, Springtails, and Ticks apply at the rate of 1 lb per 1,000 sq ft of turf. Refer to Spreader Settings Chart for suggested spreader settings. Make sure your spreader is calibrated for this product before application.

Treat in the spring (mid-May to June) or when your local conditions indicate a surface insect infestation. Repeat as the program indicates or as needed for control. Sod Webworms may have 3 to 4 generations of larvae per year, requiring additional treatments at 30 to 40 day intervals. It is not necessary to water in the insecticide for control of surface insects.

## ROOT FEEDING INSECTS

For the control of White Grub larvae of Black Turfgrass Atanidius, European Chater, Japanese Beetle, Southern Masked Chater and Hyperodes Weevil apply at the rate of 2 lbs per 1,000 sq ft of turf. Refer to Spreader Settings Chart for suggested spreader settings. Make sure your spreader is calibrated for this product before application.

Apply when insects are young and actively feeding near the soil surface in mid-July and early August or when local conditions indicate a soil feeding insect problem. Consult your local Extension Service for when to treat in your area.

For Soil Insects Irrigate the turf (by lawn care applicator or customer) with 1/4 to 1/2 inch of moisture after treatment to place the insecticide into the root zone where the insects are feeding. For best control, irrigate the area to be treated both before and after application of this product. Do not allow children or pets on treated area until insecticide has been watered into the soil and the grass is dry.

## EUROPEAN CRANE FLY LARVAE (LEATHERJACKETS)

For specific control of European Crane Fly larvae apply 1.5 lbs. of this product to 1,000 sq ft of turf. Refer to Spreader Settings Chart for suggested spreader settings. Make sure your spreader is calibrated for this product before application. The larvae will also be controlled simultaneously with an application for surface or root feeding insects. Consult your local Extension Service for when to treat in your area.

Irrigate the turf (by lawn care applicator or customer) with 1/4 to 1/2 inch of moisture after treatment to place the insecticide into the root zone where the insects are feeding.

Do not allow children or pets on treated area until insecticide has been watered into the soil and the grass is dry.

## IMPORTED FIRE ANT CONTROL

For the control of Imported Fire Ants by individual ant mound treatment apply 4 level tablespoonfuls (2/3 ounce) of granules evenly in a circle around the outer edges (1 to 2 feet from center) of mounds measuring from 3 to 12 inches in diameter. Finish the treatment then by applying 2 level tablespoonfuls (1/3 ounce) sprinkled over the center of the mound. 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 treated area. Apply the granules when Imported Fire Ants have become a nuisance and repeat as needed but not more than once every 7 days.

## BUILDING PERIMETER INSECT CONTROL

For control of Ants, Centipedes, Cockroaches, Crickets, Earwigs, Fleas, Scorpions, Silverfish, Sowbugs, Spiders, Springtails, Ticks and other similar insect pests apply at the rate of 1 pound per 1,000 sq ft of building perimeter (5 to 10 feet from foundation). Apply when insect have become troublesome or before they cause problems in the spring or early fall. Repeat as needed for control. Do not allow children or pets on treated area.

## DEER TICK CONTROL

For control of Deer Ticks, Rocky Mountain Wood Ticks (Bear Tick), Black Legged Tick (hodesae spp) and Lone Star Tick (Amblyomma spp) which can transmit LYME Disease apply 1 lb. per 1,000 sq ft of turf. The species of ticks responsible for transmitting Lyme Disease in the Northern Deer Tick (hodesae dammini) in the eastern United States and to a lesser extent, the Black Legged Tick (hodesae pacificus) in the western United States. The Northern Deer Tick is the species most commonly associated with transmitting Lyme Disease. It is a very small multiple host species with a two year life cycle. Eggs are deposited in the spring by over-wintered adults. The larval ticks hatch and feed underneath leaf litter until a small host, such as a bird or mouse, is available. Having obtained a blood meal from the host, the larvae over-winter and develop into nymphs the following spring. Nymphs, which are controlled with a May/June application, feed in leaf litter or vegetation and attach to any host - such as a dog, deer, mouse, or human. After a blood meal, nymphs leave the host and molt into adults. Adults then mate and deposit eggs in the leaf litter. Adult ticks prefer to stay on small vegetation matter, better, enabling them to attach to a host.

Both nymphs and adults can transmit the disease pathogen for Lyme Disease (spirochete bacterium) if the disease was obtained from the host during the first blood meal as a larvae. Symptoms of the disease do not appear in carrier hosts such as mice, deer or other wildlife animals. Research shows that from 25 to 50 percent of a deer tick population may carry the pathogen.

(Deer Tick Control...Continued)

For control of Deer Ticks, Rocky Mountain Wood Ticks (Bear Tick), Black Legged Tick (hodesae spp) and Lone Star Tick (Amblyomma spp) which transmit LYME Disease apply to lawns, recreational turf areas, golf courses, sports fields, parks, cemeteries, wooded areas, campsites, shrub and ornamental beds and other similar areas at the rate of 4 lbs per 1,000 sq ft. Begin application in the later spring or early summer (May or June). Continue at 3 to 4 week intervals during the tick season, as ticks may be reintroduced from surrounding areas by domestic animals and wildlife. Treat entire turf area, shrub beds, ornamental plantings, wooded areas and around outside perimeters of homes/buildings where exposure to ticks may occur.

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## CONTAINERIZED AND/OR POTTED PLANT INSECT CONTROL

For control of Imported Fire Ants, Ants, Armyworms, Beetles, Boxelder Bugs, Cutworms, Sowbugs, Springtails and other similar insect pests in containers and pots apply to the soil surface of outdoor potted plants. For best insect control lightly water into the soil.

POT SIZE	AMOUNT TO APPLY
4 inch	1/4 oz. = 1 lb/500
6 inch	1/3 oz. = 1 1/2 lb/500
8 inch	1/2 oz. = 2 1/4 lb/500
10 inch	3/4 oz. = 3 3/4 lb/500
12 inch	1 1/4 oz. = 5 lb/500

### SPREADER INSTRUCTIONS

The following spreader settings are for use with new equipment. Always calibrate your spreader before applying product. Actual application rates will depend on the spreader's condition with regard to age and use, your walking speed and the evenness of the terrain. Your spreading equipment will require adjustments. To calibrate, test apply by placing the amount for 500 sq ft. into your spreader and apply to a pre-measured 500 sq ft area then adjust according to your spreader manual.

### SPREADER SETTINGS/1,000 SQ. FT.

SPREADER	1 Or 1,000	1 1/2 Or 1,000	2 Or 1,000
SPYKER PRO	3 1/2 to 3 6	3 4	4 0 to 4 2
SCOTT'S R7X	F to G	G to H	H to I
LESCO B-CAST	F to G	G to H	H to I
PRIDE CB-85	4 0 to 4 2	4 3 to 4 4	4 5 to 4 7
CBT-85	4 0 to 4 2	4 2 to 4 4	4 5 to 4 7
CYCLONE PRO	3 0 to 3 5	4 0 to 4 2	4 4 to 4 6

**NOTICE:** Buyer and user assumes all risk and liability of use, storage and/or handling of this product not in accordance with the terms of the label.  
(22-WTR P45 accept 01-27-94 103 20 94)

ACCEPTED  
APR - 4 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act, we certify that for the pesticide mentioned under 25 U.S.C. Sec. 136a

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