

32802-39 PM-4 10-6-98 142

DURSBAN .5 GRANULES INSECTICIDE

LAWN & TURF INSECT CONTROL
 FOR LAWNS & ORNAMENTAL TURF AREAS, FLOWER BEDS AND UNDER SHRUBBERY
 AND FOR HOME VEGETABLE GARDENS
 KILLS INSECTS WHICH DAMAGE LAWNS AND GARDENS
 CONTROLS SURFACE FEEDING INSECTS AND ROOT FEEDING INSECTS
 FOR PERIMETER TREATMENT AROUND BUILDINGS AND HOMES
 CREATES A BARRIER AGAINST INVADING INSECTS
 STOPS BUGS BEFORE THEY COME INSIDE
 FOR CONTROL OF IMPORTED FIRE ANTS
 READY-TO-USE GRANULES EASY TO USE GRANULES
 CONTAINS DURSBAN INSECTICIDE
 FOR LONG LASTING INSECT CONTROL
 USE THROUGHOUT THE SEASON

ACTIVE INGREDIENT:
 Chlorpyrifos: [O,O-Diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate] 0.5%
INERT INGREDIENTS: 99.5%
TOTAL: 100.0%

EPA Reg. No. 32802-39
 EPA Est. No. 32802-WI-1 (A), 32802-MO-1 (B)
 First letter of bag code shows establishment where manufactured.
 Manufactured by:
HOWARD JOHNSON'S ENTERPRISES, INC.
 700 W. Virginia Street, Milwaukee, WI 53204-1548

KEEP OUT OF REACH OF CHILDREN
CAUTION: See (back or side) panel for additional precautionary statements and first aid information

NET WEIGHT: 5 lb (or 10, 15, 18, 20, 25, 36, 40 or 50 lb)

PRECAUTIONARY STATEMENTS
 HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION: May be harmful if swallowed. Avoid breathing dust. Avoid contact with eyes and skin. Wash thoroughly after handling. Wash contaminated clothing before reuse. Keep away from food, feedstuffs and domestic water supplies.

FIRST AID
IF SWALLOWED: Call a physician or poison control center. Induce vomiting by giving person 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 convulsing person.
IF INHALED: Remove person to fresh air. Apply artificial respiration if indicated. Get medical attention immediately.
IF ON SKIN: Remove contaminated clothing and wash thoroughly with soap and water.
IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists. Note to Physician: This insecticide is a cholinesterase inhibitor. Treat symptomatically. Atropine, by injection only, is an antidote.

ENVIRONMENTAL HAZARDS: This product is toxic to fish, birds and other wildlife. Do not apply when weather conditions favor drift from treated area. Do not feed treated grass clippings to livestock. Do not contaminate water when disposing of equipment washwaters. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

*(Alternate statement for household use packages:
 Do not apply directly to water.)*

DIRECTIONS FOR USE: It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. Do not use this product indoors.

FOR LAWNS AND ORNAMENTAL TURF: Apply insecticide granules uniformly over the lawn, using any spreader designed for application of granular materials. Contact your Agricultural Extension Service for the best time to treat for specific insect pests in your area.

For control of surface feeding insects:
 Controls ants, armyworms, beetles, billbugs, boxelder bugs, brown dog ticks, chiggers, chinch bugs, clover mites, crickets, cutworms, deer ticks, earwigs, fleas, grasshoppers, millipedes, sowbugs (pillbugs), sod webworms (lawn moth), spiders. Apply 5 pounds per 1000 square feet (218 pounds per acre). Treat in spring or as soon as insects become a problem, and repeat as needed for control. For complete control of fleas and ticks, pets should be treated with an EPA-approved product labeled for direct use on pets.

For control of root feeding insects:
 To control white grubs (larvae of Japanese beetle, black turfgrass ataenius, European chafer, southern masked chafer): Apply 10 pounds per 1000 square feet (436 pounds per acre). For best results, water treated area thoroughly (1/2 to 1 inch of water) to move insecticide into the soil. For heavy grub infestations, a repeat treatment of 10 pounds per 1000 square feet (436 pounds per acre) may be made 7 to 14 days after initial treatment. Treat when grubs are young and actively feeding near soil surface in mid-July and early August.

To control turfgrass weevil (larvae of Hyperodes weevil): Apply 10 pounds per 1000 square feet (436 pounds per acre) in mid-April and again in mid-May at the same rate as above.

To control european crane fly (leather jacket): Apply 7 pounds per 1000 square feet (305 pounds per acre). For best results, water treated area thoroughly (1/2 to 1 inch of water) to move insecticide into the soil.

To control fire ants (by individual mound treatment): Apply 4 ounces (8 tablespoons) per active mound. Apply granules evenly over the mound and out approximately 2 feet surrounding the mound. Apply in cool weather (65-80°F), or in early morning or late evening. Avoid disturbing the mound. Treat new mounds as they appear.

To control ticks and deer ticks around buildings and yards: Apply 5 pounds per 1000 square feet (218 pounds per acre). Treat perimeter of buildings and yard by applying under and around shrubs, ground cover and patios. Treat perimeter of yard where grass and other ground cover grows, and other areas that may harbor ticks. Before and after treatment, weeds and grass should be trimmed to reduce harborage sites. Rodents can serve as hosts for ticks, so remove rock piles, wood piles and other rodent habitats. Key times for deer tick control are April through November in most parts of the country. Contact your Agricultural Extension Service for the best time to treat in your area.

PERIMETER TREATMENT AROUND BUILDINGS: To prevent infestation of buildings by ants, boxelder bugs, clover mites, crickets, earwigs, fleas, sowbugs, spiders, ticks: Treat a band of soil 6 to 10 feet wide around the building where insect pests are active and may find entrance. 1 pound treats a band 10 feet wide 20 feet long (200 square feet) (Apply at the rate of 5 pounds per 1000 square feet; Apply at the rate of 218 pounds per acre). This will act as a barrier against insects invading the home. Apply the protective band when insects have become troublesome or before they cause problems in the spring or early fall. Do not water in after application. Repeat as needed for control.

TO CONTROL INSECTS IN FLOWER GARDENS, UNDER AND AROUND SHRUBS: To control ants, armyworms, cutworms, crickets, deer ticks, earwigs, fire ants, fleas, grasshoppers, mosquitos, ticks: Apply 5 pounds per 1000 square feet (218 pounds per acre) evenly over soil in flower beds and under shrubbery. Treat individual fire ant mounds as instructed on this label.

SPREADER SETTINGS to apply at the listed pounds per 1000 square feet	5 lbs			7 lbs			10 lbs		
	1	2	3	1	2	3	1	2	3
Spreader A	1	2	3	1	2	3	1	2	3
Spreader B	1	2	3	1	2	3	1	2	3
Spreader C	1	2	3	1	2	3	1	2	3
Spreader D	1	2	3	1	2	3	1	2	3

(This chart may contain additional spreader brands/models, spreader settings, and instructions for spreader use and calibration, as appropriate for the product)

TO CONTROL INSECTS IN HOME VEGETABLE GARDENS

Food utensils (spoons or measuring cups) must not be used for food purposes after use in measuring insecticide.

Vegetables: To control root maggots and other pests
broccoli At-plant application: Use 15 ounces to 27.5 ounces of insecticide
brussels sprouts (XX cups/tablespoons, as determined by product density)
cabbage per 100 feet of row, placing granules in a 4 inch wide band over
cauliflower the row, after seed is placed in planting furrow and covered.
Chinese cabbage Lightly incorporate granules into the top 1/4 to 1/2 of soil.
collards Restrictions: Make only one application per year at planting time.
kale, kohlrabi, Do not use rutabaga tops for food or feed purposes.
rutabagas
turnips

Onions Pests controlled include onion maggot
At-plant application: Use 11-1/4 ounces of insecticide
(XX cups/tablespoons, as determined by product density)
per 100 feet of row, placing granules in furrow at planting time.
Cover the granules and onion sets with suitable soil.
Restrictions: Make only one application per year at planting time.

Radishes Pests controlled include root maggot
At-plant application: Use 10 ounces of insecticide
(XX cups/tablespoons, as determined by product density)
per 100 feet of row, placing granules in furrow at planting time.
Cover the granules and seeds with suitable soil.
Restrictions: Make only one application per year at planting time.

Sweet corn Pests controlled include root maggot, cutworms, wireworms,
seed corn maggot, seed corn beetle, symphytians, northern
and western corn rootworm larvae, lesser cornstalk borer,
southern corn rootworm larvae, flea beetle larvae, grubs,
chinch bugs, fire ants, billbugs
At-plant application: Use 25 ounces to 37-3/4 ounces of insecticide
(XX cups/tablespoons, as determined by product density)
per 100 feet of row. With seed still uncovered in furrow
apply granules over seed and along side furrow to make a
10 inch wide band of insecticide granules. Cover seed
with treated soil. After seed is covered, remaining granules
should be lightly incorporated into the top 1/2 to 1 inch soil.
In soils over 10% organic matter, use the higher rate
(37-3/4 ounces per 100 feet of row).
Restrictions: Make only one application per year at planting time.

Sweet potatoes Pests controlled include wireworms, flea beetle, sweet
potato beetle
At-plant broadcast application: Evenly broadcast 8-3/4 pounds
of insecticide per 1000 square feet of planting area over soil
surface, then incorporate granules to a depth of 4 to 6 inches.
Plant sweet potatoes in the usual manner no later than 14
days after treatment (any delay in planting will reduce the
length of time the insecticide will protect against feeding
damage by the listed pests). This product will not control
false wireworm or whitefringed beetle and certain other
grubs that attack sweet potatoes.
Restrictions: Make only one application per year prior to planting.
Do not harvest within 125 days of treatment.

Sunflowers Pests controlled include cutworms
At-plant application: Use 25 ounces of insecticide
(XX cups/tablespoons, as determined by product density)
per 100 feet of row, placing granules in a 7 inch wide band
over the row after seed is placed in furrow and covered.
Lightly incorporate granules into the top 1 inch of soil.
Restrictions: Make only one application per year at planting time.

Peanuts Pests controlled include cutworms, wireworms, lesser
cornstalk borer, southern corn rootworm larvae
At-plant application: Use 22.5 ounces to 45 ounces of insecticide
(XX cups/tablespoons, as determined by product density)
per 100 feet of row, placing granules in a 6 to 12 inch wide
band over the row after seed is placed in furrow and
covered. Lightly incorporate granules into the soil surface.
Post-plant application: Use 22.5 ounces to 45 ounces of
insecticide at early flowering stage in a 6 to 12 inch band over
the row; or during early pegging in a 10 to 18 inch band over the
fruiting zone. Use the 22.5 ounce rate only if the 22.5 ounce
rate was applied at planting. Irrigation or rain following
application will enhance activity.
Restrictions: Do not apply more than a total of 45 ounces
of this product per 100 feet of row per season. Do not
harvest within 21 days of last treatment. Do not feed above
ground portions of peanut plants to meat or dairy animals.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Store in original container in a locked storage area out
of reach of children and domestic animals.

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.

(Alternate wording for household use packages:)

PESTICIDE DISPOSAL: Securely wrap original container in several
layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse container (bag, jar, can).
Discard in trash.

GUARANTEE: This product is unconditionally guaranteed.

(Alternate wording for warranty statement:)

GREEN GUARANTEED: Your satisfaction is guaranteed when this
product is used in accordance with instructions. Of product
performance is less than satisfactory, seller will refund the full purchase
price with evidence of purchase.

(Alternate wording for warranty statement:)

NOTICE: Buyer and user assumes all risks and liability of use, storage
and/or handling of this product not in accordance with the terms of this label.

(Alternate wording for warranty statement:)

WARRANTY AND DISCLAIMER: Manufacturer/seller warrants that this
product conforms to the ingredient statement on the label, and that the
product is reasonably suited for the labeled use when applied according
to directions. Buyer and user assumes all risks and liability of use,
storage and/or handling of this product not in accordance with the terms
of this label. Manufacturer/seller makes no other warranty, expressed
or implied, and shall not be liable for indirect or consequential damages.

(Alternate wording for warranty statement:)

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to directions. Buyer and user assumes all risks and liability of use,
storage and/or handling of this product not in accordance with the terms
of this label. No other warranty, expressed or implied, is made
concerning the merchantability or fitness for a particular purpose.
Manufacturer/seller's liability shall be limited to the purchase price of
the product. In no case shall manufacturer/seller be liable for
consequential or incidental damages or loss.

(Alternate wording for warranty statement:)

NOTICE: Manufacturer/seller warrants that this product conforms to
the chemical description on the label and is reasonably fit for the
purposes stated on such label only when used in accordance with
directions under normal use conditions. It is impossible to eliminate all
risks inherently associated with the use of this product. Plant injury,
ineffectiveness, or other unintended consequences may result because
of such factors as weather conditions, presence of other materials, or
the manner of use or application, all of which are beyond the control of
manufacturer/seller. In no case shall manufacturer/seller be liable for
consequential, special or indirect damages resulting from the use or
handling of this product. All such risks shall be assumed by the buyer.
Except as expressly provided, manufacturer/seller makes no other
warranties or representations, expressed or implied, or by usage of
trade, statutory or otherwise, including, but not limited to,
merchantability, fitness for a particular purpose, use or eligibility of the
product for any particular trade usage. Buyer's or user's exclusive
remedy for loss of or damage resulting from this product shall be limited
to the cost of the product.

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 32802-39