

JUL 22 1998

Stacy Schmidt
SureCo, Inc.
7501 Harps Mill Rd.
Raleigh, NC 27615-5422

Subject: Black Leaf Dursban, EPA Reg. # 5887-144
label amendment submitted 6/15/98, revised 7/15/98
accepted with comments

Dear Ms. Schmidt:

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

- 1) In the directions for use on lawns for ants et. al. under "Remarks" (p. 2 and p. 4) replace the sentence "Retreat when needed" with "Treat when pests appear and repeat at 7 to 10 day intervals, if needed" (i.e. use the repeat application directions given for ornamentals).
- 2) Delete the word "continued" at the end of the title for the table "Dosages and Dilutions for Use on Ornamental Plants" (p. 2).

Please submit three (3) copies of your final printed labeling incorporating the above changes prior to releasing your product for shipment. If the above provisions are not complied with the registration will be subject to cancellation in accordance with FIFRA Section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. A copy of your label stamped "accepted with comments" is enclosed for your records.

Sincerely yours,



Thomas C. Harris
Insecticide / Rodenticide Branch
Registration Division (7505C)
Office of Pesticide Programs

enclosure

BLACK LEAF

DURSBAN*

For Use On Lawns, Ornamental Plants and Control of Imported Fire Ants

ACTIVE INGREDIENTS:

Chlorpyrifos (0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate) 6.6%
OTHER: 93.4%
TOTAL: 100.0%
Contains .5 pounds of chlorpyrifos per gallon.
Contains xylene range aromatic solvents

EPA Reg. No. 5887-144 EPA Est. No. 769-GA-1

**KEEP OUT OF REACH OF CHILDREN
WARNING**

See back panel for statement of Practical Treatment and other precautionary statements

- Controls imported fire ants and soil insects.
- Also controls ants, grubs, armyworms, sod webworms, crickets and other listed pests of turf and ornamental plants.
- Recommended for area control of grasshoppers, ticks and chiggers

**PRECAUTIONARY STATEMENTS
Hazards To Humans and Domestic Animals
WARNING**

Harmful if swallowed or absorbed through the skin. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Wear safety glasses. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Keep children and pets off treated areas until spray has dried. Do not treat pets with this product. Do not use on

vegetable or food crops. Do not use on azaleas, camellias, poinsettias, rose bushes or variegated ivy because of possible injury to these plants.

FIRST AID

If in Eyes: Hold eyelids open and flush with steady, gentle stream of water for 15 minutes. Get medical attention immediately. **If Swallowed:** Call a physician or Poison Control Center immediately. Drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Contains aromatic solvent. Do not induce vomiting. 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 Inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

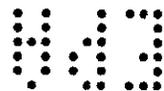
Note To Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Xylene range aromatic solvent present may pose an aspiration pneumonia hazard. Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine, only by injection is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, fish and aquatic invertebrates. Birds feeding in treated areas may be killed. Clean up spilled product to reduce exposure to wildlife. Do not apply directly to water. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.



DIRECTIONS FOR USE

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

BEFORE USING THIS PRODUCT, READ CAREFULLY THE COMPLETE PRECAUTIONS AND DIRECTIONS FOR USE ON THE ATTACHED BOOKLET.

Imported Fire Ant: Treatment of fire ant mounds. Apply DURSBAN as a drench diluted at the rate of 4 fl. oz. 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 ft. diameter (12 sq. ft.) For best results apply in cool weather, 65-80° F, sprays may disturb the ants and cause migration, reducing product effectiveness.

STORAGE AND DISPOSAL

Storage: To be stored in the original container and placed in areas inaccessible to children. **Pesticide Disposal:** Product remaining in original container should be disposed of by securely wrapping original container in several layers of newspaper and discarding in trash. **Container Disposal:** Do not reuse empty container, discard in empty container in trash.

DURSBAN* is a trademark of Dow AgroSciences LLC

NET CONTENTS: 32 FL. OZ. (1 QT.)
874 ml

Distributed By:
Black Leaf Products
A Div. of SureCo, Inc.
Louisville, KY 40222

**ACCEPTED
with COMMENTS
In EPA Letter Dated:
JUL 22 1998**

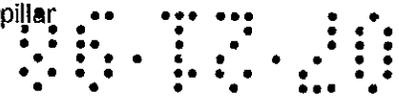
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
5887-144

2036
1

**BLACK LEAF DURSBAN APPLICATION RATE CHART
DOSAGES AND DILUTIONS FOR USE ON LAWNS**

PESTS CONTROLLED	REMARKS
Ants, Armyworms, Chiggers, Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Fleas, Grasshoppers, Sod webworms, Ticks	Use 3 fl. oz. of Black Leaf Dursban in 15 gallons of water to treat 500 sq. ft. (6 fl. oz. in 30 gallons covers 1,000 sq. ft.) Spray when pests first appear. Treat entire lawn. Do not attempt to control lawn pests by spot spraying. Sprays are most effective if applied during 2-hour period prior to darkness when lawn insects become active. Retreat when needed. Mow lawn and water well 1-2 days before treatment. For Sod webworms delay watering or mowing the treated area for 12 to 24 hours after treatment. To help prevent infestation of buildings, treat a band of soil 6 to 10 feet wide around and adjacent to the building, also the building foundation to a height of 2 to 3 feet when pests are active.
White grubs (European chafer and Japanese beetle larvae only)	Use 6 to 12 fl. oz. in 15 gallons of water to treat 500 sq. ft. (12 to 24 fl. oz. in 30 gallons covers 1,000 sq. ft.) Treat entire lawn. For grubs 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 specialist, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil.

DOSAGES AND DILUTIONS FOR USE ON ORNAMENTAL PLANTS *continued*:

PESTS CONTROLLED	Amount of Black Leaf Dursban per gallon of water
Aphids Bagworms Western tent caterpillar Fall webworms Grasshoppers Mites Orangestriped oakworm Spittlebugs Whiteflies Yellownecked caterpillar	1 fl. oz.
Cutworms Leafhoppers Mimosa webworm Redhumped caterpillar Thrips (exposed)	1.33 fl. oz. 

443

Ash borer
Dogwood borer
Lilac borer
Rhododendron borer

Scale crawlers:
Oak lecanium
Pine needle
Tea
White peach

2.66 fl. oz.

Peach tree borer

8.07 fl. oz.

NOTE: 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.

LAWN PESTS: To control listed pests on lawn and recreational turf grass areas, the lawn should be moist at time of treatment. Apply as a coarse, low pressure spray. Thoroughly water immediately after treatment (except noted) to wash the insecticide into the turf.

ORNAMENTAL PESTS: To control listed pests of flowers, shrubs, vines, shade and flowering trees and evergreens found to be infested: dilute Black Leaf Dursban with water according to directions given in the hang tag and apply using hose end sprayer or power spray equipment in a manner to provide complete and uniform coverage. For best results apply a wetting spray to both upper and lower leaf surfaces and infested limb 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, if needed. For Peach tree borer apply to flowering trees and shrubs of the Genus Prunus in water as a trunk spray before newly hatched larvae enter the trees. Apply as a coarse, low pressure spray. Thoroughly wet all bark areas from ground level to scaffold limbs. Consult your State Agricultural Experiment Station or Extension Service Specialist for proper time to treat in your area.

05.12.20

043

3
05/0

ATTACHED SPRAYER UNIT DIRECTIONS FOR USE

HOW TO APPLY WITH THIS "SPRAY UNIT"

Apply this product with the attached sprayer. It will deliver the correct dilution rate for your insect control when applied according to directions. Make applications when insect first appear. Repeat treatment as directed. Refer to the instructions below to activate the sprayer.

For lawns and landscapes measure the square foot area to be sprayed since the sprayer rate is based for sq. ft. coverage; (either 1,333 or 2,666 sq. ft.). Start spraying at the furthest point and apply by spraying in front you and walking backwards. Do not walk through the sprayed area. For ornamental plants activate the sprayer and apply as a thorough cover spray hitting as many insects as possible. Stop treatment when spray runoff observed.

PRECAUTIONS IN USING

Wear a long-sleeved shirt, long-legged pants, shoes and socks when spraying. Spray with the wind behind you, but do not spray in heavy wind. If clothing becomes wet from the spray during use, remove clothing after spraying and wash affected body areas with soap and water. Launder clothing before reuse. Wear household latex gloves when spraying.

FOR LAWN PESTS

For control of listed pests on lawn and recreational turf activate the attached sprayer and thoroughly apply. Watering-in of the spray is not required for control of surface insects. For soil insect control irrigate with ½ to 1 inch of water after treatment. Start spraying at the furthest point and apply, walking backwards. Do not walk through the sprayed area. For control of soil insects use 1 pint to treat 1,333 sq. ft. For control of surface insects use 1 pint to treat 2,666 sq. ft.

FOR ORNAMENTAL PESTS

To control listed pests of flowers, shrubs, vines, shade and flowering trees and evergreens found to be infested; apply using this attached "Hose-end Sprayer" in a manner to provide complete and uniform coverage. For best results apply a wetting spray to upper and lower leaf surfaces and infested limb and trunk areas. Force spray to penetrate dense foliage. Stop spraying when runoff is observed. Treat when pests first appear and repeat at 7 to 10 day intervals, if needed.

IMPORTED FIRE ANTS

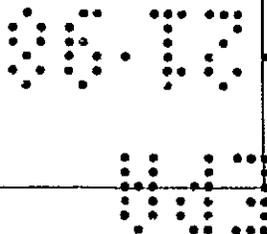
Treatment of fire ant mounds. Activate the sprayer and spray mixture into a 1 gallon sprinkler can. Turn off sprayer. Take the sprayed mixture and gently sprinkle it over the surface of each fire ant mound to a 4 ft. diameter (12 sq. ft.). For best results apply in cool weather, 65-80°F. Direct spraying will disturb the ants and cause migration, reducing effectiveness.

PESTS CONTROLLED

Ants, Armyworms, Chiggers, Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Fleas, Grasshoppers, Sod webworms, Ticks

REMARKS

Spray when pests first appear, activate this sprayer and apply 1 pint to treat 2,666 sq. ft.. Treat entire lawn. Do not attempt to control lawn pests by spot spraying. Sprays are most effective if applied during 2-hour period prior to darkness when lawn insects become active. Retreat when needed. Mow lawn and water well 1-2 days before treatment. For Sod webworms delay watering or mowing the treated area for 12 to 24 hours after treatment. To help prevent infestation of buildings, treat a band of soil 6 to 10 feet wide around and adjacent to the building, also the building foundation to a height of 2 to 3 feet when pests are active. Repeat as needed.



White grubs (European chafer and Japanese beetle larvae only)

Activate sprayer and use 1 pint to treat the pre-measured area of 1,333 sq. ft. of lawn. Treat entire lawn. For grubs 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 specialist. Immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the soil.

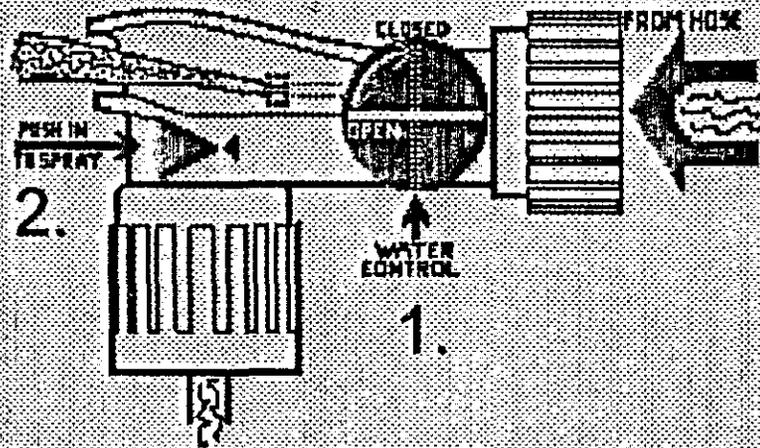
The insects listed below are all controlled by the Dursban spray mixture which is generated by this spray unit. Simply activate the sprayer as instructed and spray the lawn or ornamental plants for control of the specific listed insects.

Aphids, Ash borer, Bagworms, Cutworms, Dogwood borer, Eastern tent caterpillar, Fall webworms, Grasshoppers, Leafhoppers, Lilac borer, Mites, Mimosa webworm, Orangestriped oakworm, Redhumped caterpillar, Rhododendron borer, Spittlebugs, Thrips (exposed), Yellownecked caterpillar, Scale crawlers (Oak lecanium, Pine needle, Tea, White peach), and Whiteflies

Peach tree borer - For Peach tree borer apply to flowering trees and shrubs of the Genus Prunus as a trunk spray before newly hatched larvae enter the trees in June. Remove any loose bark at the base of the trunk. Activate the attached sprayer and thoroughly wet all bark areas from ground level to scaffold limbs. Make three applications; June 1st, July 1st, and August 1st.

HOW TO ACTIVATE SPRAYER

1. Make sure knob #1 is twisted fully clockwise to OFF position. Shake well before attaching to hose.
2. Turn Button #2 clockwise until its point aligns with triangle, then push button all the way in. Avoid squeezing bottle.
3. Turn water on at faucet, aim nozzle toward lawn or plants and turn knob #1 counterclockwise to begin spraying.
4. When finished, push Button #2 to OFF position from opposite side. Return knob #1 and faucet to OFF position. Discharge water pressure by turning knob #1 ON and OFF again. Turn Button #2 counterclockwise away from triangle to prevent accidental discharge. Store out of reach of children.



WARRANTY AND LIMITATIONS OF DAMAGES: Seller warrants that this material conforms to its chemical description and is reasonable fit for the purpose stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions.

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