

829-279

1/08/2001

Insect copy

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

JAN - 8 2001

Cynthia Huffman
Southern Agricultural Insecticides, Inc.
P. O. Box 218
Palmetto, Florida 34220

Subject: Chlorpyrifos MOU dated June 7, 2000
SA- 50 Dursban 2E Insecticide
EPA Reg No.: 829-279
Submission Dated: 12/12/00

Dear Ms. Huffman:

The revised labeling referenced to above, submitted in connection with the registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended, is acceptable, provided you incorporate the Agency's conditions as enumerated in this letter below and submit one copy of your final printed label prior to releasing the product for shipment.

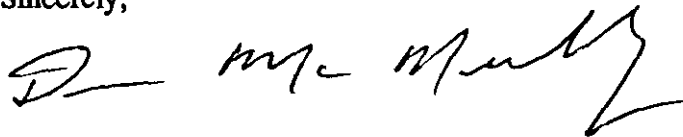
Your directions to "use 2 Qt. per acre" for the all sites listed on your label must be revised to clearly state "use no more than 2 quarts of product per acre" or "use no more than 1 pounds of active ingredient per acre," depending on the whether your product is intended to be used in the concentrated or diluted form. This clarification is especially needed for the rates listed under ornamental plants on the bottom of page 5, where various dilutions are listed and no area treated is provided.

Submit one copy of the revised final printed label before releasing the product for shipment. If the conditions enumerated above are not complied with, the registration will be subject to cancellation in accordance with FIFRA Section 6(e).

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A stamped copy of the label is enclosed for your records. If you have questions about this label review, please contact me at (703) 308-6742 or electronically at McNeilly.Dennis@EPA.gov. You may also contact Judy Loranger at (703)-308-8056 if you have specific questions regarding this letter.

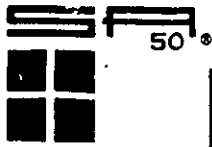
Sincerely,



Dennis McNeilly, Chemist
Insecticide-Rodenticide Branch
Registration Division (7505C)

Enclosure: stamped label

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DURSBAN* 2-E INSECTICIDE

ACCEPTED
with COMMENTS
EPA Letter Dated:

JAN - 8 2001

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

~~829-279~~

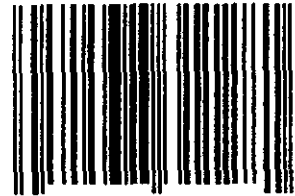
RESTRICTED USE PESTICIDE

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 APPLICATORS CERTIFICATION.

Active Ingredients:

Chlorpyrifos: [O,O-diethyl O-(3,5,6-trichloro- 2-pyridyl) phosphorothioate]	24.70%
Inert Ingredients**	75.30%
Contains 2 pounds of chlorpyrifos per gallon Total	100.00%

** Contains Xylene-range Aromatic Solvent
* Dursban is a registered Trademark of Dow AgroSciences



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**Keep Out Of Reach Of Children
WARNING - AVISO**

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle.
(If you do not understand this label, find someone to explain it to you in detail.)
SEE INSIDE OF LABEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

Southern Agricultural Insecticides, Inc.

Palmetto, FL 34220 Hendersonville, NC 28793 Boone, NC 28607
E.P.A. Reg. No. 829-279 J2 E.P.A. Est. No. 829-FL-1

Net Contents Liquid: 2.5 Gallon (9.46 liters)

Container sizes: 1 Gallon, 2.5 Gallons, 30 Gallons, 55 Gallons



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 take internally. Do not get in eyes or on skin. Do not smoke while using. Flush contaminated eyes with plenty of water and get medical attention. Avoid breathing spray mist or vapors. Do not spray vegetable gardens or other plants used for food purposes.

FIRST AID

Organophosphate

IF SWALLOWED: Do not induce vomiting. Call a physician immediately. **IF ON SKIN:** In case of contact, remove contaminated clothing and immediately wash skin with soap and water. **IF IN EYES:** Flush eyes with plenty of water. Call a physician. **IF INHALED:** Remove victim to fresh air. Apply respiration if indicated.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options follow the instructions for category G on an EPA chemical resistance category selection chart.

WPS USES: Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) - in general, only agricultural-plant uses are covered - must wear:

1. Coveralls over short-sleeved shirt and short pants
2. Chemical-resistant gloves, such as barrier laminate or viton
3. Chemical-resistant footwear plus socks
4. Protective eyewear: goggles, face shield, or safety glasses with front, brow, and temple protections.

NON-WPS USES: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) - in general, only agricultural-plant uses are covered - must wear:

1. Long-sleeved shirt and long pants
2. Chemical-resistant gloves, such as barrier laminate or viton.
3. Shoes plus socks
4. Protective eyewear: goggles, face shield, or safety glasses with front, brow, and temple protections.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

User should:

1. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and wildlife. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

Physical or Chemical Hazards

Keep container closed. KEEP AWAY FROM OPEN FLAME. Handle concentrate in a ventilated area.

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DURSBAN* 2-E INSECTICIDE

To be applied only by or under the supervision of Pest Control Operators, Public Health Organizations, and Other Trained Personnel Responsible for Insect Control Programs.

Active Ingredients:

Chlorpyrifos: [O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate]	24.70%
Inert Ingredients**	75.30%
Contains 2 pounds of chlorpyrifos per gallon Total	100.00

*Dursban is a registered Trademark of DowElanco

**Contains Xylene-range Aromatic Solvent

**Keep Out Of Reach Of Children
WARNING - AVISO**

**STATEMENT OF PRACTICAL TREATMENT
Organophosphate**

IF SWALLOWED: Do not induce vomiting. Call a physician immediately. **IF ON SKIN:** In case of contact, remove contaminated clothing and immediately wash skin with soap and water. **IF IN EYES:** Flush eyes with plenty of water. Call a physician. **IF INHALED:** Remove victim to fresh air. Apply respiration if indicated.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

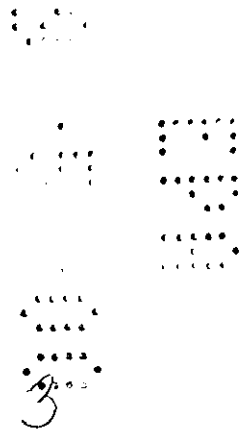
Storage: Store in original container in secured dry storage area. Prevent cross contamination with other pesticides and fertilizers. Do not store above 100° F for extended periods of time. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: PLASTIC Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Southern Agricultural Insecticides, Inc.

Palmetto, FL 34220 Hendersonville, NC 28793 Boone, NC 28607
E.P.A. Reg. No. 829-279 J2 E.P.A. Est. No. 829-FL-1



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. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil, or water, is:

1. Coveralls over short-sleeved shirt and short pants
2. Chemical-resistant gloves, such as barrier laminate or viton
3. Chemical-resistant footwear plus socks
4. Protective eyewear: goggles, face shield, or safety glasses with front, brow, and temple protections.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children, pets and other unprotected persons out of the treated area until sprays have dried.

OUTDOOR PESTS

PESTS OF TURF (including sod farms, golf courses, ~~and~~ road medians, around industrial plant sites and in nurseries for commercial production only.) Use Dursban 2-E to control the pests listed in the following paragraph by application at the recommended dosages and in accordance with the directions given below. Dilute Dursban 2-E in enough water to obtain complete and uniform coverage of pest infested areas and apply as a coarse, low pressure spray using suitable application equipment. Thoroughly water immediately after treatment to wash the insecticide into the turf, except as noted. For best results, the turf should be moist at time of treatment.

INSECTS CONTROLLED - Ants, Armyworms, Brown Dog Tick, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Earwigs, Fleas, grasshoppers, Sod Webworms; use 2 Qt. per acre (1 1/2 fl. ounce per 1,000 sq. ft.) Spray when pests appear; retreat when needed. For sod Webworms, delay watering mowing the treated area for 12 to 24 hours after treatment. Use 3 to 6 gals. water per 1,000 sq. ft.

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Area Control of Ticks and Chiggers - Use Dursban 2-E to control ticks and chiggers infesting sod farms, golf courses (**turf only**), road medians, around industrial plant sites and in nurseries for **commercial production** only.) where these pests are present and create a nuisance or possible public health problem. Apply this product in water at the rate of 1 pint per acre (equivalent to 1 ounce per 2,700 sq. ft.) using a hydraulic sprayer, mist applicator, knapsack sprayer or other suitable hand or power spray equipment. Treat low underbrush, grassy areas, weeds, and ground surface and debris using enough spray volume to obtain thorough coverage, usually 10 to 100 gallons per acre. **Attention (Area Control of Ticks and Chiggers):** Do not allow public use of treated areas during application or until spray has dried.

TO HELP PREVENT INFESTATIONS OF BUILDINGS (Industrial plant sites only)

To help prevent control Ants, Crickets, Earwigs, and Sowbugs (Pillbugs), 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, where pests are active and may find entrance. **Use 2 Qt. per acre** (1 1/2 fl. ounce per 1,000 sq. ft.) Apply as a coarse spray to thoroughly and uniformly wet the band area.

ORNAMENTAL PLANTS in Commercial Nurseries and around Industrial Plant Sites:

Use Dursban 2-E insecticide to control Aphids, Bagworms, Cutworms, Grasshoppers, Leafhoppers, Mealybugs, Spider Mites, Spittlebugs, Thrips (exposed), and White Flies on flowers, shrubs, vines, shade and flowering trees and evergreens found to be infested with these pests. Dilute with water according to the following directions and apply using suitable hand or power spray equipment in manner to provide complete and uniform coverage of infested plants. Avoid overspraying to the point of excessive runoff. Treat when pests appear and repeat at 7 to 10 day intervals, if needed.

NOTE: Do not use on Azaleas, Camellias, Poinsettias, Rose bushes or Variegated Ivy because of possible injury to these plants.

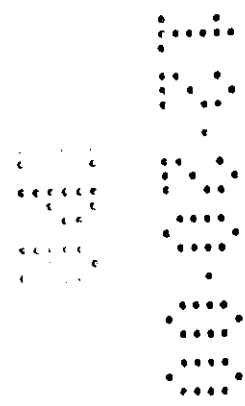
NOTE: For ornamentals around Industrial Plant Sites do not exceed a total application of 2 Qt. Per Acre.

INSECTS, CONTROLLED - Aphids, Bagworms, Eastern Tent Caterpillar, Fall Webworm, Grasshoppers, Spider Mites, Orangestriped Oakworm, Spittlebug, White Flies, Yellownecked Caterpillar. Per 3 gallons water, use 0.5 fl. oz. - Per 10 gallons water, use 1.6 fl. oz. - Per 100 gallons water, use 1 pint. -Cutworms, Leafhoppers, Mealybugs, Mimosa Webworm, Redhumped Caterpillar, Thrips (Exposed stages). Per 3 gallons water, use 1 fl. oz. - Per 10 gallons water, use 3.2 fl. oz. - Per 100 gallons water, use 1 quart.

- Ash Borer, Lilac Borer, Scale Crawlers (Oak Lecanium, Pine Needle, Tea, White Peach). Per 3 gallons water, use 2.0 fl. oz. - Per 10 gallons water, use 6.4 fl. oz. - Per 100 gallons water, use 2 quarts.

DILUTION - 1 OUNCE = 2 TABLESPOONFULS = 6 TEASPOONFULS.

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.



OR EXPRESSED AS A CHART BELOW

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PESTS CONTROLLED	RATE PER		
	3 GALLONS	10 GALLONS	100 GALLONS
Cutworms, Leafhoppers, Mealybugs, Mimosa Webworm, Redhumped Caterpillar, Thrips (exposed stages)	0.5 fl. oz.	1.6 fl. oz.	1 pint
Ash Borer, Lilac Borer, Scale Crawlers (Oak Lecanium, Pine Needle Tea, White Peach	2.0 fl. oz.	6.4 fl. oz.	2 quarts

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

