



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Registration Division (H7505C)  
 401 "M" St., S.W.  
 Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

769-973

OCT 28 1996

Term of Issuance:

Conditional

NOTICE OF PESTICIDE:

- Registration
- Reregistration

(under FIFRA, as amended)

Name of Pesticide Product:

Lindane 2E

Name and Address of Registrant (include ZIP Code):

SureCo., Inc.  
 10012 N. Dale Mabry, Suite 221  
 Tampa, FL 33618

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the labeling changes listed below before you release the product for shipment:
  - a. Add the phrase "EPA Reg. No. 769-973".
  - b. In the If Swallowed advice, the sentence "Do not induce vomiting, contains petroleum distillates." should appear as "CONTAINS PETROLEUM DISTILLATES, DO NOT INDUCE VOMITING."
  - c. Since this product is not a cholinesterase inhibitor, in the Note To Physician delete "If symptoms of cholinesterase inhibition are present atropine sulfate is antidotal. 2-PAM is also antidotal and may be use in conjunction with atropine."

Signature of Approving Official:

Date:

OCT 28 1996

- d. In the Hazards to Humans and Domestic Animals text, revise "... on household pets and humans" to "... on household pets or humans". Also delete "workers or" before "other persons" and replace the last sentence, "The area being treated must be vacated by unprotected persons." with "Do not allow children or pets in treated areas until surfaces have dried."
- e. In the Environmental Hazards, replace "For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark." with just "Do not apply directly to water." Also, replace the last sentence, "Do not contaminate water when disposing of equipment washwaters." with "Do not contaminate water by cleaning of equipment or by disposal of equipment wash waters."
- f. In the Storage directions, delete "Use caution when storing pesticides in stacks."
- g. Replace the proposed heading Pesticide Disposal and all of its associated text with the following:  
  

**Disposal:** Do not reuse empty container. Make sure cap is tightly closed, wrap container in several layers of newspaper, and discard in trash.
- h. Under the heading Directions For Use, delete "Do not apply this product through any type of irrigation system."
- i. Under the heading Directions For Use, add "Avoid exposure to children." before "Do not allow children to handle or apply this product."
- j. In the directions for use on Apples and Cherries, revise "Apply 1 Tbsp. to 1 gallon of water." to "Mix 1 Tbsp. in 1 gallon of water."
- k. Revise the directions for use on Plums to control Aphids, Leafrollers and Thrips to read as follows: "Mix 1 tsp. in 1 gallon of water (1 gallon of spray will cover 100 sq. ft. of home orchard). Apply as a thorough foliar spray. Do not apply within 60 days of harvest."
- l. Revise the directions for use on Peaches to control Aphids, Leafrollers and Thrips to read as follows: "Mix 1 tsp. in 1 gallon of water (1 gallon of spray will cover 100 sq. ft. of

home orchard). Apply as a thorough foliar spray. Do not apply within 60 days of harvest."

- m. In the directions for use on Peaches to control Fruit Tree Bark Beetles, Flat-headed Borers, and Round-headed Borers, revise the first sentence to read "Mix 1 Tbsp. in 1 gallon of water."
- n. In the directions for use on Peaches to control Peachtree Borer, revise the first sentence to read "Mix 1 Tbsp. in 1 gallon of water."
- o. In the directions for use on Tomatoes to control Aphid, revise the first sentence to read "Mix 1 tsp. in 1 gallon of water (1 gallon will cover 150 sq. ft. of home garden)". Retain the second sentence as is.
- p. In the preplant soil application directions for cabbage, celery, collards, cucumbers, lettuce, okra, peppers, squash, melons, and tomatoes is there a reason the crop listing is not alphabetical? Also, revise the first sentence to read "Mix 1 tsp. in 1 gallon of water (1 gallon will cover 125 sq. ft. of home garden)". Retain the next two sentences in this section as is. In the first sentence in the section following the heading "Soil Application", add a comma between "crops" and "which".
- q. Revise the vague heading "VEGETATION" to read "LAWNS". Also, delete "Vegetation" appearing before "Lawns" in the next line. Revise the first two sentences of this section to read "Mix 1 Tbsp. in 1 gallon of water. Apply at a rate of 3 gallons of spray per 1,000 sq. ft. of lawn with a sprayer adjusted to deliver a coarse spray."
- r. In the listing of flowers, add a closing parenthesis mark after "Zinnias". Revise the directions for use on Flowers to read "Mix 1 tsp. in 1 gallon of water. Spray plants when insects first appear. Repeat as necessary."
- s. Revise the directions for use on Bulbs to read "Mix 1 tsp. in 1 gallon of water. Spray plants when insects first appear. Repeat as necessary."
- t. Revise the directions for use on Azaleas, etc. to read "Mix 1 tsp. in 1 gallon of water. Spray foliage when insects first appear. Repeat as necessary."

- u. Revise the directions for use on Dogwoods, etc. to read "Mix 1 Tbsp. in 1 gallon of water. Make 2 to 3 applications 7 to 10 days apart in May and early June. Apply to trunk and lower limbs, particularly to injured areas and old borer wounds."
  - v. Revise the directions for use on Elm, etc. to control leafminers to read "Mix 1 tsp. in 1 gallon of water. Spray foliage when small miners appear in early and mid-May. If necessary, apply again when the second generation of miners appear in late June or early July."
  - w. Revise the directions for Maple, etc, to read "Mix 2 Tbsp. in 1 gallon of water. Spray foliage and bark in Spring when buds begin to break. Repeat in 10-14 days.". Retain the special subset of directions for aphids on Elms as is except for capitalizing the "S" of "Summer" and the "F" of "Fall".
  - x. Revise the directions for use on Pines to control Pine Bark Beetles to read "Mix 6 1/2 Tbsp. in 1 gallon of water. Spray trunks thoroughly to point of runoff."
  - y. Revise the directions for use on Pines and Spruce to control White Pine Weevil to read "Mix 1 Tbsp. in 1 gallon of water. Spray entire tree including upper parts of tree thoroughly in late April when buds begin to swell.
  - z. Revise the first sentence of the directions for use on Taxus and Hemlock to read "Mix 1 Tbsp. in 1 gallon of water." Retain the second sentence as is.
  - aa. Revise the Note at the end of the label to read "This product is not for use on forest trees, Christmas tree plantations, forest nurseries, spraying of felled tree logs, or for commercial application to ornamentals.
  - bb. Be sure to meet type size requirements for elements of the label with minimum type size requirements.
3. Submit three (3) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

5/10

page 5 of 5  
EPA Reg. No. 769-973

If these conditions 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 constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Enclosures

6/10

LINDANE 2E

For Homeowner Use Outdoors on Lawns, Ornamentals,  
and Fruit Trees Only

Active Ingredient:

Lindane (Gamma Isomer of Benzene Hexachloride) .....	20.0%
Inert Ingredients:* .....	80.0%
TOTAL: .....	100.0%

\*Contains Xylene Range Aromatic Solvent

EPA Reg. No. 769-\_\_\_\_\_

EPA Est. No. 769-GA-1

KEEP OUT OF REACH OF CHILDREN  
CAUTION

Si usted no entienda la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center immediately. Do not induce vomiting, contains petroleum distillates. Get medical attention immediately.

If Inhaled: Remove victim to fresh air.

If On Skin: Remove contaminated clothing and wash affected area with soap and water.

If In Eyes: Flush eyes with plenty of water and get prompt medical attention.

Note To Physician: Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally. If symptoms of cholinesterase inhibition are present atropine by injection is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine.

Manufactured By:  
SureCo, Inc.  
Fort Valley, GA 31030

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

OCT 28 1996

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

769-973

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

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling and before eating, drinking, or smoking. Avoid contamination of feed and foodstuffs. Do not use on household pets and humans. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

Applicators must wear the following protective clothing during the application of this product: Long-sleeved shirt, long pants, waterproof gloves, full foot covering and head covering.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish, birds, and other wildlife. Birds and other wildlife feeding in treated areas may be killed. 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 when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters.

This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to coincide with periods of minimum bee activity usually between late evening and early morning.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not use or store near heat or open flame.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Storage:** Store pesticide in original container and place in a locked storage area. Opened pesticide containers should be securely resealed prior to storage. Protect from penetration of moisture, excessive heat or cold. Avoid cross-contamination with other pesticides or fertilizers. Use caution when storing pesticides in stacks.

**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

8/10

representative at the nearest EPA Regional Office for guidance.  
Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

### DIRECTIONS FOR USE

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

Do not apply this product through any type of irrigation system.

Do not allow children to handle or apply this product. Children and pets should not be allowed in treated areas until sprays have dried.

Apples, Cherries: Fruit Tree Bark Beetles, Flat-Headed Borers, Round-Headed Borers -- Apply 1 Tbsp. to 1 gallon of water. Apply to bark of tree trunk and large limbs in spring. Apply to trunk, crotch to ground. Soak bark to runoff and around base of tree. Do not apply to fruit or foliage. Do not apply within 60 days of harvest.

Plums: Aphids, Leafrollers, Thrips -- Apply 1 Tbsp. to 2 1/2 gallons of water. 1 gallon with cover 100 sq. ft. Do not apply to fruit or foliage. Do not apply within 60 days of harvest.

Peaches: Aphids, Thrips, Leafrollers -- 1 Tbsp. in 2 1/2 gallons of water (1 gallon will cover 100 sq. ft.). Do not apply to fruit or foliage. Do not apply within 60 days of harvest. Fruit Tree Bark Beetles, Flat-headed Borers, Round-Headed Borers -- 1 Tbsp. in 1 gallon of water. Apply to bark of tree trunk and large limbs in spring. Apply to trunk, crotch to ground. Soak bark to runoff. Do not apply to fruit or foliage. Do not apply within 60 days of harvest.

Peachtree Borer -- 1 Tbsp. to 1 gallon of water. Spray lower trunk and around base of tree, soaking bark and wetting trunk from crotch to ground. Do not apply to fruit or foliage. Do not apply within 60 days of harvest.

### VEGETABLES (foliar applications)

Tomatoes: Aphids -- 1 Tbsp. to 2 1/2 gallons of water (1 gallon will cover 150 sq. ft.). Do not apply after fruit start to form.

### VEGETABLES (pre-plant soil application)

Cabbage, Celery, Collards, Cucumbers, Lettuce, Okra, Peppers, Squash, Melons, Tomatoes: White Grubs, Cutworms, Wireworms -- 1 Tbsp. in 2 1/2 gallons of water (2 gallons will cover 250 sq. ft.). Work into soil thoroughly before or during planting. Do not treat land to be planted in root crops.

Soil Application: Do not make soil application to root crops which might absorb musty flavor. Do not apply in soil which will be planted to root crops (except potatoes) within 1 year. Do not use in soil which will be planted to potatoes within 2 years.



9/10

**VEGETATION**

Vegetation, Lawns: Ticks, Chiggers, Fleas, Leafhoppers -- 3 Tbsp. in 3 gallons of water or 1 pint in 30 gallons of water. Apply at a rate of three gallons per 1,000 sq. ft. (30 gallons per 10,000 sq. ft.) with a sprayer adjusted to deliver a coarse spray. Do not allow children or pets to go treated areas until spray has dried.

**ORNAMENTALS**

Flowers, (Carnations, Chrysanthemum, Coleus, Daisies, Gardenias, Geraniums, Hibiscus, Nasturbums, Pansies, Petunias, Sweet Peas, Zinnias: Aphids, Blister Beetles, Thrips, Leafhoppers -- 1 Tbsp. in 2 1/2 gallons of water. When insects appear. Repeat as necessary.

Bulbs, (Daffodil, Gladiolus, Hyacinth, Iris, Lilies, Narcissus, Tulips): Aphids, Bulb fly, European Corn Borer, Iris Borer, Thrips -- 1 Tbsp. in 2 1/2 gallons of water. When insects appear. Repeat as necessary.

Azaleas, Camellias, Heather, Lilac, Rhododendron, Roses: Aphids, Blackvine Weevil, Cucumber Beetles, Thrips, Whitefly -- 1 Tbsp. in 2 1/2 gallons of water. When insects appear. Repeat as necessary.

Dogwood, Rhododendron, Lilac: Dogwood Borer, Rhododendron Borer, Lilac Borer -- 1 Tbsp. in 1 gallon of water. Make 2 to 3 applications 7 to 10 days apart in May and early June.

Elm (English and Scotch), Birch, Locust: Leafminers -- 1 tsp. per 1 gallon of water. Apply when small miners appear in early and mid-May. Apply when small miners appear in early July.

Maple, Aspen, Poplar, Ash, Willows, Elm, Locust: Aphids, Bark Beetles, Wood Boring Beetles -- 3 tbsp. in 1 gallon of water. Apply in spring when buds begin to break. Repeat in 10-14 days. Elms - Apply to foliage when aphids are present during summer, repeat in fall. Soak trunks in run-off.

Pines: Pine Bark Beetles -- 1/2 pint to 2 1/2 gallons of water. Spray trunks thoroughly. Wet trunks to run-off.

Pine, Spruce: White Pine Weevil -- 3 Tbsp. to 1 gallon of water. Apply late April when buds begin to swell. Spray upper parts of trees thoroughly.

Taxus, Hemlock: Strawberry Root Weevil, Taxus Weevil -- 1 Tbsp. per 1 gallon of water. Apply in May or early June to the trunks and around the base of trees, soaking the bark and wetting the soil surface.

Note: Product is not for use on forest trees, Christmas tree plantations, forest nurseries or spraying of felled tree logs and commercial ornamentals.

**IMPORTANT:** Read these entire Directions and Conditions of Sale before using this product. **DISCLAIMER:** SureCo warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in the Directions For Use, subject to the inherent risks referred to

