

9167-294

-2-

4. Add "aerial application of lindane is prohibited" to the beginning of the directions for use, over the ornamentals use chart.
5. Add "Do not use in the home" to the end of the livestock pens and buildings premise spray directions after the dilution rates "(13 ounces per 4 gallons water)."

Submit five (5) copies of your revised final printed labeling before you release the product for shipment with the amended labeling.

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

If you hold a Federal registration, a supplemental registration, or a Special Local Needs registration, you may continue to produce new stocks of such products, using current labeling, until ~~April~~ 30, 1984. After that date, all remaining inventories of affected products will fall under the Existing Stocks provisions stated in our letter of October 28, 1983.

The additional brand name listed below, submitted in connection with the above referenced product registration, is acceptable and our records have been adjusted to reflect this additional name. This acceptance is given with the understanding that the label for the additional brand name will be like the registered label in every particular except for product name, associated artwork, and you may delete, but not add, sites and pests.

ADDITIONAL BRAND NAME

Lindane Borer Spray

Sincerely yours,

George T. LaRocca  
Product Manager (15)  
Insecticide-Rodenticide Branch  
Registration Division (TS-767)

Enclosure

DCR-28613:RD-4:LaRocca:GG:Raven557-2226:4/10/84:Del.4/21/84



**RESTRICTED USE PESTICIDE**

For Application Only By Or Under The Supervision Of A Certified Applicator

# LINDANE 12.5% CONCENTRATE

**INSECT CONTROL  
FOR  
ORNAMENTALS — FRUIT TREES  
FLOWERS — BULBS — VEGETABLES  
LIVESTOCK & RESIDUAL SPRAY**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
**APR 27 1984**  
Under the Federal Insecticide,  
Fungicide, and Plant Growth Reg-  
ulators Act, as amended, for the pesticide  
registered under EPA Reg. No.  
**2169-296**

<b>ACTIVE INGREDIENTS:</b>	
Lindane (Gamma Isomer of Benzene Hexachloride) .....	12.5%
Xylene .....	77.5%
<b>INERT INGREDIENTS:</b>	
Total .....	100.0%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**STATEMENT OF PRACTICAL TREATMENTS**

- If Swallowed** — Call a physician or Poison Control Center immediately. Do not induce vomiting. Vomiting may cause aspiration pneumonia.
- If On Skin** — Wash area immediately with plenty of soap and water.
- If In Eyes** — Flush with plenty of water and get prompt medical attention.
- If Inhaled** — Remove victim to fresh air. Apply respiration if indicated.

EPA Reg No. 2169-296    EPA Est. No. 2169-KS-1

**NET CONTENTS: 1 GALLON**

**Patterson GREEN-UP Company  
Div. Curry-Cartwright, Inc.  
1331 Union Avenue  
Kansas City, Missouri 64101**

## DIRECTIONS FOR USE

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

### INSECT CONTROL FOR ORNAMENTALS, FRUIT TREES, FLOWERS, BULBS & VEGETABLES

PLANTS	INSECTS	DOSAGE	COMMENTS
Elm, Birch (Larval)	Leaf Miners	2 tsp gal water	Apply when small miners appear in early & mid May. Treat when small miners appear in July.
Pines	Pine Bark Beetles	26 oz 5 gal water	Spray trunks thoroughly to point of Run Off.
Pine Spruce	White Pine Weevil	5 tsp gal water	Thoroughly spray entire tree in late April when buds swell.
Taxus nemorensis	Taxus Weevil	5 tsp gal water	Apply in May or early June to the trunks & around tree base. Soak the bark and soil surface.
Dogwood, Lilac, Rhododendron	Dogwood Borer, Lilac Borer, Rhodo Borer	5 tsp gal water	Make 3 applications. May 1st, June 1st, July 1st. Treat limbs, twigs and base of trunk.
Apple, Peach	Bark Beetles - Flat & Round - head Borees (Bark & Trunk treatment Only)	5 tsp gal water 5 pts 100 gal water	Do not apply to fruit or foliage. Apply in spring to trunk and limbs before fruit is formed. Bark & Trunk Treatment Only. Do not apply within 60 days of harvest of fruit.
Peaches	Peach Tree Borer (Trunkbase & Soil Treatment Only)	5 tsp gal water 5 pts 100 gal water	Do not apply to fruit or foliage. Make 2 treatments July 1st Aug 1st. Soak the Bark. Do not apply within 60 days of harvest.
Maple, Aspen, Poplar, Ash, Willow, Elm (Larval)	Aphids, Bark Beetles, Borers	3 tbsp gal water 5 pts 100 gal water	Apply in spring when buds begin to break. Repeat in 10-14 days. For Aphids, apply when present in summer & fall.
Birch	Bronze Birch Borer	5 tsp gal water	Make 3 treatments. May 1st, June 1st, July 1st. Soak Bark.
Bulbs (Tulip, Iris, Gladiolus, Lilacs)	Aphids, Soil Fly, Inj Borer, Thrips	5 tsp gal water	Treat when insects appear. For Inj Borer, soak soil around tuberos roots May & June.
Vegetable Sets (Cabbage, Melon, Peppers, Onions, Tomatoes)	White Grubs, Curculionids, Wireworms (Soil Treatment Only)	5 tsp 2 1/2 gal (2 gal 250 sq feet of soil area)	Do not treat plant foliage. Do not use in soil to be used for root crops. Apply in spring after plants are set.
Flowers, Roses, Petunias, Carnations, etc.	Aphids, Thrips, White Flies, Leafhoppers	5 tsp 2 1/2 gal 13 oz 40 gal water	Apply as insect appear. Repeat sprays as needed for control. Thoroughly spray.

### INSECT CONTROL FOR LIVESTOCK

**PRECAUTIONS** — Do not use on dairy animals or poultry. Do not use on emaciated, overheated or sick animals. Do not spray animals within 30 days of slaughter. Do not treat animals under 3 months of age. For animals 3 to 6 months of age use a 0.03% solution by mixing 13 ounces in 40 gallons of water. Do not treat sows within 2 weeks of farrowing nor for at least 3 weeks thereafter. Avoid treating animals in cold stormy weather.

**HORNFLIES on Beef Cattle** — Mix 5 tsp. per 2 1/2 gallon water (13 ounces per 40 gallons water). Use a power sprayer to thoroughly treat animals. Treat when flies appear and repeat as needed for control.

**LICE & TICKS on Beef Cattle, Horses, Sheep & Goats:** Mix 5 tsp. per 2 1/2 gallon water (13 ounces per 40 gallons water). Use a power sprayer to thoroughly wet animals hide. Repeat as needed for control.

**SARCOPTIC MANGE MITE, LICE, TICKS on Hogs** — Mix 3 tbsp. per 2 1/2 gallon water (13 ounces in 20 gallons water). Use a power sprayer to thoroughly wet hide of animals. Do not apply to young animals. Repeat as needed.

**SARCOPTIC MANGE on Beef Cattle and PSOROPTIC MANGE (SHEEP SCABIES) on Sheep and Goats** — Mix 5 tsp. per 2 1/2 gallon water (13 ounces in 40 gallon water). Use a power sprayer to thoroughly wet animals. Use 2 or more treatments at 7 to 10 day intervals as needed for control. Observe good sanitation practices and spray pens and shelters to prevent reinfestation. Treat infested animals before adding to herd.

### - Protective Clothing Required -

Applicators must wear the following protective clothing during the application process; a light-weight protective suit or coveralls; water-resistant hat; unlined, waterproof gloves; and unlined, lightweight boots. Mixers & loaders must also wear goggles or a face shield, waterproof gloves and a waterproof apron.

### - For Structural Treatment -

Applicators working in enclosed areas such as crawl spaces, must wear a respirator designed for protection against Lindane and approved by OSHA (29 CFR 1910.134).

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### PREMISE SPRAY AND TREATMENTS

**PRECAUTIONS** — Do not apply in poultry houses, dairy barns, or milkrooms.

For **FLIES, ROACHES, SPIDERS, ANTS, AND MOSQUITOES** in Livestock Pens & buildings spray with a .3% spray solution by mixing 3 1/4 ounce per 1 gallon of water (13 ounces per 4 gallons water).

Apply 1 gallon of spray mixture to cover 500 sq. ft. of surface. Spray to point of run-off. For crawling insects treat thoroughly cracks, crevices, baseboards and other hiding places. Remove animals before spraying. Do not contaminate milk or milking equipment, feed or drinking water. Repeat as needed for control. To make a "PAINT" mix 13 oz. per 1 gallon of water. Apply with a brush as a spot treatment to cracks and crevices and other hiding places. Do not use on painted surfaces since it will blister the paint. Do not use in the home. Remove or do not treat or contaminate milk, milking equipment, feed or drinking water.

For **TICKS & CHIGGERS** on Lawns, Recreation areas, Camp Grounds, Golf Courses and Play Grounds mix 4 pints in 50 gallons water and apply at the rate of 50 gallon of the mixture per acre (equals 1/2 lb. actual Lindane per acre). For small areas apply 1 gallon of the spray mixture per 1,000 sq. ft. A small pressure sprayer or power sprayer should be used to insure thorough vegetation coverage.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

May be absorbed through the skin. Harmful if swallowed. Avoid inhalation of spray mist. Avoid skin contact. Wash immediately with soap and water after handling and before eating or smoking. Avoid contamination of feed and foodstuffs. Do not use on household pets or humans.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Birds and other wildlife feeding in treated areas may be killed. Do not apply directly to water.

Do not apply when weather conditions favor drift from areas treated.

Do not contaminate water by cleaning of equipment or disposal of wastes.

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 treated area. Applications should be timed to allow maximum possible interval between treatment and the next period of bee activity.

### PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

### STORAGE & DISPOSAL

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

**STORAGE** — Do not allow to freeze.

**PESTICIDE DISPOSAL** — Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, state or local procedures.

**CONTAINER DISPOSAL** — Do not reuse this container. Wrap container and put in trash collection.

Note: Buyer assumes all risks of use, storage and handling of this product not in strict accordance with directions given herewith.

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11/14/83  
 11/8/83  
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Mr. H. R. McLane  
 Patterson Green-Up Company  
 Div. Curry-Cartwright, Inc.  
 1331 Union Avenue  
 Kansas City, MO 64101

Dear Mr. McLane:

Subject: Amendment - Update per Lindane PD-4  
 Additional Brand Name  
 Lindane 12.5% Concentrate  
 EPA Registration No. 2169-296  
 Your Application dated November 23, 1983

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. Revise the RESTRICTED USE PESTICIDE block text to read as follows:

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 Applicator's certification.

2. Revise the last sentence of the For Structural Treatment section to read:

...for protection against lindane and jointly approved by MSHA (Mine Safety and Health Administration) and NIOSH (National Institute for Occupational Safety and Health) under the provisions of 30 CFR Part 11.

3. Revise the Pesticide Disposal section to read:

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.

SYMBOL ▶							
SURNAME ▶							
DATE ▶							