

AUG 14 1991

~~655/5330/142~~
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C.D. Gunderson
 USS Agri-Chemicals
 Division of Untied States Steel
 1100 Johnson Ferry Rd., NE
 Atlanta, GA 30342

Dear Mr. Gunderson:

Subject: Reregistration of Products Containing Lindane
Vertagreen Lindane 12.5% Concentrate
EPA Registration No. 3442-829
Your Application Dated January 10, 1986

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable provided that you make the labeling changes indicated below prior to release for shipment of product bearing the amended labeling.

1. Delete "xylene" from the ingredients statement, since it is not active in this formulation, and add its percentage to that of the inerts. Then add a footnote to the "Inert Ingredients" indicating "contains xylene".
2. Revise the Environmental Hazards statement as follows:

 This pesticide is toxic to fish, birds, and other wildlife. Do not apply directly to water, to areas where surface water is present or to intertidal waters below the mean high water mark. Drifts and runoff from treated areas may be hazardous to fish in neighboring areas. Do not contaminate when disposing of equipment washwaters.
3. Add the qualifier "Livestock Building and Barns" to the Premise Spray directions i.e.:
 "Premise Spray and Treatments (Livestock building and barns)"
4. Add the following precaution under Direction for Use:

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

		CONCURRENCES				
SYMBOL	5.	Add the	"Lindane	must not	be applied to	currently
SURNAME		occupied	areas	(i.e., living or working areas)		
DATE	ISA					

6. Revise the Container Disposal statement as follows:

Triple rinse (or equivalent). Then dispose of in a sanitary landfill or by other approved State and local procedures.

7. The restricted use heading and paragraph must be on the top center of the front panel and preferably blocked.
8. The livestock precautions under "Insect Control for Livestock" for both products Vertagreen Lindane 20 and 12.5% should be consistent. We suggest you review the use limitation in the Lindane Reregistration Guidance Document for livestock use and revise your labels accordingly.

In reference to the product chemistry, on the data matrix please provide the pH at a specific water dilution.

Submit five copies of your final printed labeling before you release the product for shipment. A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager 13
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

PM 13 3442-829

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CONTAINER PRINT SPECIFICATIONS

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Copy for Front Panel

RESTRICTED USE PESTICIDE

The use of this product may be hazardous to your health. This product contains lindane, which has been determined to cause tumors in laboratory animals. Risks can be reduced by closely following the use directions and precautions, and by wearing the protective clothing specified elsewhere on this label.

For retail sale too and use only by Certified Applicators or persons under their direct uses covered by the Certified Applicator's certification.

VERTAGREEN LINDANE 12.5% CONCENTRATE

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

ACTIVE INGREDIENTS:	BY WEIGHT
Lindane (Gamma Isomer of Benzene Hexachloride).....	12.50%
Xylene.....	77.50%
INERT INGREDIENTS:.....	10.00%
TOTAL:.....	100.00%

EPA Reg. No. 3142-829

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

Note: Regarding above copy, minimum type size is:
18 Pt. for WARNING/AVISO
12 Pt. for KEEP OUT OF REACH OF CHILDREN

See Side Panel for Additional Precautionary Statements in EPA Letter Dated:

NET CONTENTS: 1 Gal.

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STATEMENT OF PRACTICAL TREATMENT

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.

ACCEPTED
with COMMENTS
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the registration under EPA Reg. No. 3142-829



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

If Inhaled-Remove victim to fresh air. Apply artificial respiration if indicated.

Copy for Side Panel

EPA Reg. No. 3442-829

EPA Est. No. 3442-FL-2

DIRECTIONS FOR USE

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

Protective Clothing Required

Applicators must wear water resistant hat, lightweight protective suit or coveralls, unlined waterproof gloves (natural rubber neoprene, or polyethylene), and unlined lightweight boots. MSHA/OSHA approved respirators are required for applications in enclosed areas such as crawl spaces. Mixer/loaders must wear goggles or a face shield, waterproof apron, and unlined waterproof gloves.

Aerial application of lindane is prohibited.

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

PLANTS	INSECTS	DOSAGE	COMMENTS
Elm, Birch, Locust	Leaf Miners	2 tsp./gal. water	Apply when small miners appear in early and 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.

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Taxus, Hemlock 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 Borers (Bark & Trunk treatment Only) 5 tsp./gal. water 5 pts./100 gal. water Do not apply to fruit or foilage. 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 foilage. Make 2 treatments July 1st. Aug. 1st. Soak the Bark. Do not apply within 60 days of harvest.

Maple, Aspen, Poplar, Ash, Willow, Elm, Locust Aphids, Bark Beetles, Borers 3 tbsp./gal. water 5 pts./50 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, Glads, Lillies) Aphids, Bulb Fly, Iris Borer, Thrips 5 tsp./gal. water Treat when insects appear. For Iris borer soak soil around tuberous roots May & June.

Vegetable Sets (Cabbage, Melon, Peppers, Okra, Tomatoes) White Grubs, Cutworms, Wireworms (Soil Treatment Only) 5 tsp./2½ gal. (2 gal./250 sq. feet) of soil area. Do not treat plant foilage. 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./2½ gal. 13 oz./40 gal. water Apply as insects appear. Repeat sprays as needed for control. Thoroughly spray.

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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 13 weeks thereafter. Avoid treating animals in cold stormy weather.

HORNFLIES on Beef Cattle-Mix 5 tsp. per 2½ gallons 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 2½ gallons 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 2½ 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 2½ gallons water (13 ounces in 40 gallons 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".

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 3¼ ounce per 1 gallon of water (13 ounces per 4 gallons water.) Do not use in the home.

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 p in 50 gallons water and apply at the rate of 50 gallon of the mixture per (equals ¼ lb. actual Lindane per acre). For small areas apply 1 gallon of spray mixture per 1,000 sq. ft. A small pressure sprayer or power sprayer should be used to insure thorough vegetation coverage.