

Reg # 8660 - 52 PM-13

File
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

APR 20 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Sandford R. Simon
ANDERSON, (THE), LAWN FERTILIZER DIV.
AGENT FOR: ANDERSONS, THE
MAUMEE, OH 43537

Subject: Label Amendment Submission of 01/20/94 in Response to PR Notice 93-7
EPA Reg. No. 8660-52
VERTAGREEN LINDANE 20% CONCENTRATE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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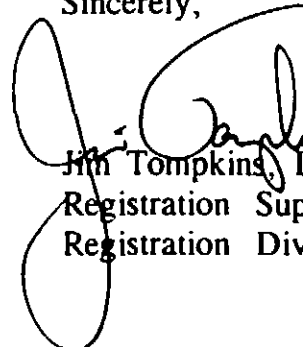
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

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VERTAGREEN LINDANE 20% CONCENTRATE

INSECT CONTROL FOR: ORNAMENTALS, FRUIT TREES, FLOWERS, BULBS, VEGETABLES, LIVESTOCK AND RESIDUAL SPRAY

ACTIVE INGREDIENT:

Lindane (Gamma Isomer of Benzene Hexachloride)	20.0%
INERT INGREDIENTS*	80.0%
TOTAL	100.0%

(*Contains xylene range solvents)

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.)

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. **DO NOT INDUCE VOMITING;** vomiting may cause aspiration pneumonia.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Wash affected areas with soap and water.

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

See Side Panels for Additional Precautionary Statements

EPA Reg. No. 8660-52

EPA Est. No. 51036-GA-1

**Manufactured By:
PURSELL INDUSTRIES, INC.
201 W 4th Street
Sylacauga, AL 35150**

ACCEPTED
with COMMENTS
In EPA Letter Dated
APR 20 1994

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

8660-52

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PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

WARNING

Causes eye damage and skin irritation. Do not get in eyes, on skin, or on clothing. May be fatal if swallowed or absorbed through the skin. Do not breathe vapor or spray mist. Do not use on humans or household pets. Food utensils such as teaspoons or measuring cup should not be used for food purposes after use with pesticides.

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 F on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

1. Coveralls over short-sleeved shirt and short pants
2. Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant headgear for overhead exposure
6. A respirator with either an organic vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)

Mixers and loaders must wear:

1. Coveralls over short-sleeved shirt and short pants
2. Chemical-resistant gloves, such barrier laminate, butyl rubber, nitrile rubber or viton
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant headgear
6. Chemical resistant apron when mixing or loading
7. A respirator with either an organic vapor removing cartridge

with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)

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.

Engineering Control:

When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users 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
 3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing
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ENVIRONMENTAL HAZARDS

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.

PHYSICAL OR CHEMICAL HAZARDS

Do not store near heat or open flame.

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 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 12 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, butyl rubber, nitrile rubber or viton
3. Chemical-resistant footwear plus socks
4. Protective eyewear
5. Chemical-resistant headgear for overhead exposure

NON-AGRICULTURAL USE REQUIREMENT

The requirement 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 treated areas until sprays have dried.

CHEMIGATION PROHIBITION

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

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place.

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or 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.

PECAN INSECT CONTROL

Aerial application of Lindane is prohibited.

PECANS:

For control of Phylloxera (Galls) and the Hickory Shoot Curculio - mix 1 quart of this product in 100 gallons of water (2 teaspoonfuls per gallon of water). Apply with a power sprayer in the spring as a "Bud Break" spray (early to mid April when bud break is no more than 2 inches long) making only one application by thoroughly wetting all portions of the tree and new bud growth. Plan on using approximately 10 to 15 gallons of diluted spray per bearing tree when planted on 60 foot centers (approx. 24 trees per acre). Do not exceed 450 gallons of dilute spray per acre. Do not graze treated areas.

NOTE: This control is not effective when typical gall symptoms appear.

INSECT CONTROL FOR LIVESTOCK

PRECAUTIONS: Do not apply to dairy cattle or dairy goats. Do not apply spray to beef cattle, hogs, sheep and goats within 30 days of slaughter.

Do not apply to these animals within 30 days of giving birth to young nor for at least 3 weeks thereafter. Do not treat nursing animals. Do not apply to pigs, sheep and goats less than 3 months old. Do not apply to calves less than 5 months old. Do not treat animals in cold, stormy weather. Do not treat overheated or sick animals.

Do not apply to feed or forage to be fed to or grazed by livestock or poultry. Do not contaminate feed or food crops. Do not use on poultry or in poultry houses.

HORNFLIES on Beef Cattle - mix 1 tbsp. per 2 1/2 gallons water (8 ounces per 40 gallons water). Use a power spray to thoroughly treat animals. Treat when flies appear and repeat as needed for control.

LICE AND TICKS on beef cattle, horses, sheep and goats, mix 1 tbsp. per 2 1/2 gallons of water (8 ounces per 40 gallons water). Use a power sprayer to thoroughly wet animals hide. Repeat as needed for

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control.

SARCOPTIC MANGE MITE, LICE TICKS on Hogs - mix 2 tbsp. per 2 1/2 gallons water (8 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 1 tbsp. per 2 1/2 gallons water (8 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
(Livestock Buildings and Barns)

Applicators working in enclosed areas such as crawl spaces must wear a pesticide respirator 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.

DO NOT APPLY IN DAIRY BARNs, POULTRY HOUSES OR MILK ROOMS.

FOR FLIES, ROACHES, SPIDERS, ANTS AND MOSQUITOES in livestock pens and building, spray with a .3% solution by mixing 4 tbsp. per 1 gallon of water (8 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 8 ounces 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 home. Remove or do not treat or contaminate milk, milking equipment, feed or drinking water.

For TICK AND CHIGGERS on Lawns, Recreation area, Camp Grounds, Golf Courses, and Playgrounds, mix 40 ounces in 50 gallons of water and apply at the rate of 50 gallons 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.

INSECT CONTROL FOR ORNAMENTALS, FRUIT TREES,
FLOWERS, BULBS, AND VEGETABLES

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(Do not use on root crops or in soil in which root crops are to be planted.)

The following insect Control Chart gives the plants that may be attacked by the listed insects with a dilution rate and comments for proper application.

PLANTS	INSECTS	DOSAGE RATE IN FLUID MEASURE
Elm, Birch, Locust, Holly	Leaf Miners	1 tsp./gal. water OR 1 pint/100 gals. Apply when adult miners appear in April and mid-May. Treat when smaller miners appear in July.
Pines	Pine Bark Beetle	3 fl. oz./gal. water OR 1 gal./40 gal. Apply to trunks up as high as sprayer will reach. Spray to point of run-off in April or May.
Pine, Spruce	White Pine Weevil	1 tbsp./gal. water OR 3 pints/100 gals. Thoroughly spray entire tree in late April when buds swell.
Taxus, Hemlock	Taxus Weevil	1 tbsp./gal water OR 3 pints/100 gal. Apply in May or early June to the trunks and around tree base. Soak the bark and soil surface.
Dogwood, Lilac, Rhododendron	Dogwood Borer, Lilac Borer, Rhodo Borer	1 tbsp./gal. water OR 3 pints/100 gals. Make 3 applications - May 1st, June 1st, July 1st. Treat limbs, twigs and base of trunk.

Apple, Peach, Cherry	Bark Beetles, Flat-Headed & Round Headed Borer	1 tbsp./gal. water OR 3 pints/100 gals./ Apply to bark of tree and large limbs in spring. Apply to trunk, crotch to ground. Soak to runoff. Do not apply to fruit or foliage. Do not apply within 60 days of harvest.
Peaches	Peach Tree Borer	1 tbsp./gal. water or 3 pts./100 gals. Apply to bark of tree and large limbs in spring. Apply to trunk, crotch to ground. Soak bark to runoff. Do not apply within 60 days of harvest.
Maple, Aspen, Poplar, Ash Willow, Elm, Locust	Aphids, Bark Beetles, Borers	2 tbsp./gal. water OR 3 qts./100 gals. Apply in spring when buds begin to break. Repeat in 10 to 14 days. For Aphids, apply when present in summer and fall.
Birch	Bronze Birch Borer	2 tbsp./gal. water Make 3 treatments; May 1st, June 1st, July 1st; soak bark.
Bulbs (Tulip, Iris, Glads, Lilies)	Aphids, Bulb Fly, Iris Borer, Thrips	1 tbsp./gal. water Treat when insects appear. For Iris borer soak soil around tuberous roots in May and June.
Vegetable Sets Cabbage	White Grubs, Cutworms, Wireworms, Soil Treatment	1 tbsp./2 gal. water Use 2 gals. of mixture to treat 250 sq. ft. of soil area Do not apply after thinning. Do not treat plant foliage. Do not use in soil to be used for root crops. Apply around base of plant within 24 hours after sets are placed in soil. Repeat in 14 days.

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Melons, Peppers, Okra, Tomatoes	Same Insects as for Cabbage	Same rates as for Cabbage Do not apply after edible parts start to form.
Flowers, Roses, Petunias, Carnations, Etc.	Aphids, Thrips, White Flies,, Leafhoppers	1 tbsp./2 1/2 gal. OR 1 1/4 pt./100 gal.

BEST AVAILABLE COPY