

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

655/16 4524

FEB 5 1990

Mr. J. Allen Dunlap III
 Platte Chemical Company
 P.O. Box 667
 Greeley, CO 80632

Dear Mr. Dunlap:

Subject: Amendment - Update labeling in Accordance with Lindane Registration Standard
 25% Lindane Wettable Powder
 EPA Registration No. 34704-297
 Your Applications Dated November 27, 1985 and April 2, 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. Under the Re-Entry Statement change "sprays have dried" to "24 hours after spraying."
2. Update the Environmental Hazards by changing "cleaning of equipment or disposal of wastes" to "disposing of equipment washwaters."
3. No specific dip directions appear on the label, but a 60-day preslaughter interval for dipped animals and dip disposal directions are present. If dip use is intended then some appropriate directions should appear. If not, then the 660-day interval and dip disposal directions should be deleted.
4. Add the Chemigation Prohibition to the label.

The following deals with chemistry for the product:

1. On the Confidential Statement of Formula (CSF) of the basic formula provide the certified limits for ~~FRANCIS~~ rather than the technical. Also, you have indicated the same number for the lower and upper limits of a few of the components in the formulation. We question whether the weighing process in formulation can be that precise. Please clarify/revise the limits.

SYMBOL
 SURNAME
 DATE

Richards

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2. Please provide the chemical identity of the Attaclay X-250 and the Maracell XE. The suppliers may contact us for the information directly, referencing your EPA Registration No. in the response.

3. On the CSF provide the bulk density and the pH at a specified water dilution.

4. The EPA Registration No.'s for the source material of the active ingredient are incorrect and need to be updated. Also, the percent purity of the technical material is 99.5%. Please submit an updated CSF showing the currently registered sources of active ingredient.

Submit five (5) 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,

George T. LaRocca
Product Manager 15
Insecticide-Rodenticide Branch
Registration Division (E7405C)

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 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.

**HOPKINS
25% LINDANE
WETTABLE POWDER**

For Use on Fruit and Vegetables
For Use on Livestock

ACTIVE INGREDIENT: LINDANE

(Gamma Isomer of Benzene Hexachloride)..... 25%

INERT INGREDIENTS:..... 75%

TOTAL:..... 100%

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.

EPA Reg. No. 2393-305

EPA Est. No. 2393-IL-3[®]
2393-WI-1[®], 2393-WI-2[®]
Superscript refers to
first letter of lot
number.

See Side Panels For Additional Warning Information And
Statement of Practical Treatment

Manufactured By:
HOPKINS AGRICULTURAL CHEMICAL CO.
P.O. Box 7532
Madison, WI 53707 U.S.A.

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NET WEIGHT

*Appropriate type size will be used as determined by size of 3470A-5.
center panel of label.

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STATEMENT OF PRACTICAL TREATMENT

If swallowed: Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove victim to fresh air. Apply artificial respiration if indicated.

If on skin: Remove contaminated clothing and wash affected areas with soap and water.

If in eyes: Flush eyes with plenty of water. Call a physician immediately.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed.

May be absorbed through skin.

Do not breathe dust, vapor or spray mist. Do not get on skin or in eyes. Do not contaminate feed and foodstuffs and water supplies.

Wash thoroughly after handling and before eating or smoking.

Applicators must wear water resistant hat, lightweight protective suit or coveralls, unlined waterproof gloves (natural rubber, neoprene, or polyethylene), and unlined lightweight boots. Mixer/loaders must wear goggles or a face shield, waterproof apron, and unlined waterproof gloves.

Do not allow children to handle or apply this product. Children and pets should not be allowed in treated areas until sprayed surfaces are dry.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, birds, and other wildlife. Do not apply directly to water or wetlands. Drift and runoff from treated areas may be hazardous to fish in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

This pesticide is highly toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

Do not apply when weather conditions favor drift from the treated area.

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DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. 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. Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Written or oral warnings must include the following information:

WARNING

(Insert area or field description) treated with Lindane on (insert date of application.) Do not enter treated areas without protective clothing until sprays have dried. In case of accidental exposure: Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Lindane and describe his condition. For further information see the "STATEMENT OF PRACTICAL TREATMENT" portion of this label.

STORAGE AND DISPOSAL*

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Keep container tightly closed. Store in original container. Protect from direct contact with water or excessive moisture. Once opened, do not store bag for prolonged period.
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: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

*Appropriate type size will be used as determined by size of center panel of label.

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All dosages shown below are based upon the amount of 25% Lindane Wettable Powder required per 100 gallons of water.

Soil Application: Do not make soil application to root crops, which might absorb a musty flavor (including potatoes).

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.

Do not plant any food or feed crop in rotation after a field treatment with lindane unless it is a registered use for lindane.

Do not use more than the following amounts of this material per acre per application to foliage; on strawberries $3/5$ pound, on celery and onion $1\ 3/5$ pounds, on peppers $2\ 2/5$ pounds, and on all other vegetable crops listed 3 pounds. Do not use more than 4 pounds for soil treatment for cabbage and onion maggots.

AERIAL APPLICATION OF LINDANE IS PROHIBITED

VEGETABLES AND FRUITS

APPLES: For Aphids, Lygus Bugs and Grasshoppers use 1 pound when insects are present. Do not apply on Apples within 60 days of harvest. Do not apply after first cover as off-flavor may result. Do not use more than 14 pounds per acre. Do not graze livestock on cover crops beneath treated trees.

CELERY: For Aphids, Thrips, Tarnished Plant Bugs, Climbing Cutworms and certain other caterpillars use 1 pound when insects are present. Do not use after Celery is half grown or after Celery starts to bunch. Use 100 to 150 gallons per acre.

COLE CROPS (Cabbage and Broccoli): For Aphids, Flea Beetle, Caterpillars and Thrips use 1 pound on foliage when insects are present. Use 100 to 150 gallons per acre. For Cabbage Maggot use 4 pounds per acre in enough water to give good coverage. Apply to soil around base of plants. Use only before edible parts start to form.

CUCURBITS (Cucumber and Squash): For Cucumber Beetles and Thrips use $3/4$ pound. For Squash Bugs, Leaf Miners, Grasshoppers, Lygus Bugs, and Aphids, use 1 pound. Use only before blossoms form and when insects are present. Use 110 to 150 gallons per acre.

ONIONS: For Thrips use 1 pound when Thrips average 5 to 6 per plant. Repeat in 5 to 6 days. A third application may be needed. Use 100 to 150 gallons per acre. For Onion Maggot use 4 pounds per acre in enough water to give good coverage. Apply as a preplanting or planting time treatment. Do not apply to green or spring onions.

PEPPERS: For Aphids, Leaf Miners and Army Worms use 1 pound. Do not apply after edible parts start to form. Use 100 to 150 gallons per acre.

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SPINACH: For Aphids and Leaf Miners use 1 pound. Use only in seedling stage. Use 100 to 150 gallons per acre.

STRAWBERRIES: For Weevil and Spittlebug use 1/2 pound in Spring when insects appear. Do not apply after fruit starts to form. Use 100 to 120 gallons per acre.

TOMATOES (for fresh fruit market only): For Aphids and Thrips use 3/4 pound when insects are present. For Leaf Miners use 1 pound when evidence of Miners first appears. Do not apply after edible parts start to form. Use 110 to 150 gallons per acre.

COMPATIBILITY: Do not use with glyoxalidines, Bordeaux mixture or any alkaline material.

LIVESTOCK

Do not use on animals younger than 3 months or on dairy animals or poultry.

Do not spray animals within 30 days of slaughter or dip within 60 days of slaughter.

Avoid contamination of feed, forage, drinking troughs and feed troughs. If drinking or feed troughs are contaminated, flush out IMMEDIATELY with plenty of water before spray dries. Avoid spraying in cold weather when there is danger of animals contracting respiratory diseases, such as colds or pneumonia.

ON BEEF CATTLE, SHEEP, AND HOGS FOR MANGE MITE (SARCOPTES): Use 1 pound per 100 gallons of water. For horses and cattle, use 2 gallons of spray mixture per adult animal, proportionately smaller amounts should be used for sheep and hogs. For most effective control, apply two sprays one week apart using sufficient pressure to part the animal's hair and wet its skin. Do not treat hogs within 2 weeks of farrowing nor for at least 2 weeks thereafter.

Used dip solutions must be disposed of in accordance with the Resource Conservation and Recovery Act (RCRA). If the applicator generates more than 1000 kg (2200 lbs.) of used dip solution per month or more than 1000 kg (2200 lbs.) used dip solution in combination with other hazardous waste, the material must be treated as a hazardous waste subject to subpart C of RCRA. Any user who wishes to treat, store or dispose of hazardous waste must obtain a permit to serve as a hazardous waste facility pursuant to RCRA.

TICKS AND CHIGGERS ON WASTE AREA VEGETATION: Use 2 pounds per 100 gallons when Ticks or Chiggers are present. Amount to be used depends on size of vegetation. Do not permit livestock to graze on treated areas.

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NOTICE OF WARRANTY

Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.