

5 1990

655/1004
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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; Forestry Data Call-In
Clean Crop Lindane 25 W
EPA Registration No. 24764-174
Your Applications Dated February 11, April 29, and July 23, 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. The Restricted Use Block was on your April 29 submission but was missing or obscured from the July 23 submission. This statement is required for the product, therefore include the following on the top of the center panel of the label:

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.

SYMBOL							
SURNAME							
DATE							

2. The ingredients statement for all end use products must declare the active ingredients as:

Lindane (gamma isomer of benzene hexachloride)

3. Update the Environmental Hazards Statement by changing "cleaning of equipment or disposal of wastes" to "disposing of equipment washwaters."

4. To the directions for Farm Animals add: "(Sarcoptic Mange Mites, Lice, Ticks) Do not treat animals in cold, stormy weather. Do not treat overheated or sick animals. Make sure animals are well watered prior to being dipped to prevent them from drinking the treated dip."

5. Identify the method of application for the crops listed under flowers and vegetables (i.e. Is this a soil application? Foliar? Is it mixed with water prior to application? How is it mixed? etc.)

6. Add the Application Prohibition to the product label.

In regard to chemistry, our calculations indicate that if the subject product were formulated in accordance with the submitted Confidential Statement of Formula (CSF) the product would contain 25.1% active ingredient; therefore either the lower limit must be adjusted accordingly, or the amount of lindane technical must be increased in order to justify the lower limit given.

The Lindane Technicals you indicate are no longer registered. Contact Rhone Poulenc for a current registration number. Then submit a revised CSF.

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 yours,

George T. LaRocca
Product Manager 15
Insecticide-Rodenticide Branch
Registration Division (H7505C)

**PRECAUTIONARY
STATEMENTS
HAZARDS TO HUMANS
AND DOMESTIC ANIMALS
WARNING**

MAY BE FATAL IF SWALLOWED.

May be absorbed through skin. Do not breathe spray mist. Avoid contact with skin or eyes. In case of contact, wash immediately with soap and water; for eyes, flush with water and get medical attention. Wash hands thoroughly after using and before eating or smoking. Avoid contamination of feed and foodstuffs. Do not use on cats or other household pets nor on poultry or humans.

This product should not be applied under conditions which might result in a toxic residue, or residual odor or taste remaining on foodstuffs or edible portions of treated crops or forage at harvest time. Do not use on forage crops to be fed to dairy animals or animals being finished for slaughter. Do not use in poultry houses or dairy barns. Do not treat forage which is to be sold commercially or shipped inter-state. Do not use at higher concentrations than recommended on this label.

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. Mixers/loaders must wear goggles or a face shield, waterproof apron, and unlined waterproof gloves.

Avoid exposure to children. Do not allow children to handle or apply this product.

Do not allow children or pets in treated areas until surfaces are dry.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, birds, and other wildlife. Do not apply directly to water or wet lands. 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.

**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 area with soap and water.

If in eyes—Flush eyes with plenty of water. Call a physician if irritation persists.

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 for 24 hours unless appropriate protective clothing is worn. 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 without appropriate protective clothing for 24 hours.

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 the pesticide label.

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container. Do not store under conditions which might adversely affect the container or its ability to function properly. Such conditions include, but are not limited to, positioning of the container in storage, storage temperature, potential for crushing or damage due to stacking, and penetration of moisture.

STORAGE: Store in safe manner. Store in original container only. Store in cool, dry place. Keep container tightly closed when not in use. Reduce stacking height where local conditions,



LINDANE

**FOR INSECT CONTROL
VEGETABLES, TREES, SHRUBS
ALSO FOR USE IN CERTAIN
CONTROL LISTED AREAS**

**ACTIVE INGREDIENT:
(Gamma isomer of benzene hexachlorocyclohexane)
INERT INGREDIENTS:**

**KEEP OUT OF REACH OF CHILDREN
WARNING**

PRECAUCION AL USUARIO: Si usted no ha leído la etiqueta le haya sido explicado

SEE SIDE PANEL FOR ADDITIONAL INFORMATION

EPA REG. NO.

EPA EST. NO.

NET WEIGHT

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Storage and Disposal cont'd.

such as humidity or pallet overhang, can affect package strength. Personnel should use clothing and equipment listed under "PRECAUTIONARY STATEMENT" when handling open containers.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or residue 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.

APPLICATIONS

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

Soil Application: Do not make soil application to root crops, which might absorb a 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.

Aerial application of Lindane is prohibited.

FARM BUILDINGS

Except poultry houses, dairy barns, milk rooms. **FLIES, MOSQUITOES, ROACHES, ANTS, BEDBUGS, TICKS:** For residual control in farm buildings, use 1 lb. per 10 gal. water. Before applying spray, remove livestock and cover feed, utensils, and feed and water troughs. Do not contaminate milk rooms, milking equipment, feed or drinking water. Do not use in poultry houses or dairy barns.

FOR FLIES and MOSQUITOES: Apply as a coarse spray at rate of 1 gal. per 500 sq. ft. or wet all surfaces to point of run-off. Also spray manure piles and other breeding places. Repeat as necessary.

FOR ROACH, ANT, BEDBUG and TICK CONTROL: Make thorough application to corners, stalls, sleeping quarters of animals, and runs frequented by pests. Repeat as necessary.

FARM ANIMALS

Except Dairy Animals

Do not use on lactating dairy animals. Note: Spray pressure should be delivered at 200 psi in order to penetrate the animals' hair to the skin.

SARCOPTIC MANGE MITES, LICE, TICKS: Do not spray on animals within 30 days of slaughter. Do not dip animals within 60 days of slaughter. Do not use sprays containing more than 0.06%. Do not use on young animals including calves under 3 months of age. Other immature animals may be injured by treatment. Spray or dip application to young animals (over 3 months of age) should be limited to 0.03% concentration of Lindane.

SARCOPTIC MANGE MITES ON BEEF CATTLE: 1 to 1½ lbs. per 100 gals. water (0.03% to 0.045%) and repeat at 7-10 day intervals as needed. Use lower dosage on animals under 6 months. Make thorough application.

LICE and TICKS ON BEEF CATTLE, SHEEP, HORSES and GOATS 1 lb. per 100 gals. water (0.03%). Use as spray or dip, thoroughly wetting animals. Repeat treatments at 7 to 10-day intervals may be necessary to prevent reinfestation.

SARCOPTIC MANGE MITES and LICE ON HOGS 2 lbs. per 100 gals. water (0.06%). Complete coverage including inside of ears is necessary. Apply two sprays one week apart.

Do not treat sows within two weeks of farrowing nor at least three weeks thereafter. Avoid treating animals in cold, stormy weather. Avoid treating overheated or sick animals.

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 of used dip solution per month or more than 1000 kg 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.

FLOWERS AND VEGETABLES

CUCUMBERS, CANTALOUPEs, SQUASH and PUMPKINS For control of cucumber beetles, thrips—use 1.2 to 2 lbs. per acre. Aphids, melonworms, leaf miner—use 1.6 to 2 lbs. per acre. Do not use more than 2 lbs. per acre. Remove excess residues from cucumbers and squash. Do not use more than 2 lbs. of this product per acre. Do not apply to cucumbers and squash within one day of harvest.

SPINACH Aphids, leafminers—use 1.6 to 3.0 lbs. per acre. Apply only in seedling stage.

CELERY Aphids, thrips, tarnished plant bugs—use 1.2 to 1.6 lbs. per acre. Do not apply after the celery is half grown or after it begins to bunch.

CABBAGE and BROCCOLI: Aphids, thrips—use 0.8 to 1.2 lbs. per acre. Do not apply after the edible parts start to form. Do not use more than 3 lbs. **CLEAN CROP LINDANE 25W** per acre.

GLADIOLUS: Thrips—1 lb. per 100 gals. of water.

ORNAMENTAL

TREES AND SHRUBS

FLOWERING FRUITS, ELM, BEECH, MAPLE, SYCAMORE, BIRCH: Aphids—1 lb. per 100 gals. water. Apply when new growth is about 2 inches long. For application to ornamental trees only.

AZALEA, RHODENDRON, OAK AND SYCAMORE: Lace bugs—1 lb. per 100 gals. water. Apply just after hatching when small nymphs can be seen. Second spray 10 days later. For application to ornamentals only.

PINES (ornamentals only): Pin bark beetle—1 lb. per 100 gal. water. Apply when immature aphids are present.

NOTICE

DISCLAIMER—It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Platte Chemical Company. Platte Chemical Company warrants only that the material contained herein conforms to the chemical description on the label and is reasonably fit for the use therein described when used in accordance with the directions for use, subject to the risks referred to above. Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential damages.

Lindane Mixture
RQ NA2761

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FEB 1990

FORMULATED FOR
PLATTE CHEMICAL COMPANY, INC.
150 SO. MAIN STREET
FREMONT, NEBRASKA 68025