

7. Revise the first sentence of the "ENVIRONMENTAL HAZARDS" section to read as follows: "This product is toxic to fish, birds and other wildlife." (The words "birds" and "other" added.)

8. Revise the third sentence in this section to read as follows:

"Birds and other wildlife feeding in treated areas may be killed."  
("and other wildlife" added; "on" changed to "in")

9. Add the following bee precaution to the "ENVIRONMENTAL HAZARDS" section:

"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 vegetation blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity."

10. A STATEMENT OF PRACTICAL TREATMENT must be added to the labeling. We suggest the following statement, however, if your toxicological data suggests otherwise, please submit a draft STATEMENT OF PRACTICAL TREATMENT for prior approval:

"STATEMENT OF PRACTICAL TREATMENT

If swallowed-Call a physician or Poison Control Center immediately.

If possible vomiting should be induced under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. 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.

Note to Physician-Solvent presents aspiration hazard. Gastric lavage is indicated if material was taken internally."

11. Change the heading "DIRECTIONS" to "DIRECTIONS FOR USE".
12. Immediately following the heading "DIRECTIONS FOR USE" insert the following:

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

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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 ~~May 1~~ 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.

Sincerely yours,

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

Enclosure

*Q.S. Add'l 5 copies of amended label printed  
10/1/83  
Add'l 5 copies of amended label printed  
10/1/83*

BEST COPY AVAILABLE



1 of 5

**CROWN**

ACCEPTED  
BY THE  
BUREAU OF  
PLANT  
INDUSTRIES  
7273-27

# LINDANE

## EMULSIFIABLE CONCENTRATE

*As A Livestock Dip*  
For the control of Sarcoptic and Psoroptic  
Mange Mites, Ticks, Hornflies and Lice on  
Animals except Dairy Animals

Chiggers and Ticks on Lambs. To  
be diluted with water.

### ACTIVE INGREDIENTS:

Lindane (Gamma isomer of  
benzene hexachloride) ..... 11.14%

Xylene-range aromatic solvent . 84.39%

INERT INGREDIENTS: ..... 4.47%

TOTAL ..... 100.00%

KEEP OUT OF REACH OF CHILDREN

### CAUTION

See Side Panels for  
Additional Precautions

MANUFACTURED FOR



(800) 325-3316 or  
(314) 533-0999

NET CONTENTS 1 GALLON

BEST DOCUMENT AVAILABLE

Crown Lindane E.C.  
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## CAUTION

HARMFUL IF SWALLOWED May be absorbed through the skin. Avoid breathing spray mist and skin contact. In case of contact, wash immediately with soap and water.

In case of contact with eyes, flush with water and get medical attention.

Avoid contamination of feed or foodstuffs.

Applicators must wear the following protective clothing during the application process: long-sleeved shirt, long pants, waterproof gloves, full foot covering, and a head covering.

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.

This product is toxic to fish and wildlife. Keep out of any body of water. Birds feeding on treated areas may be killed. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

Do not treat sows within 2 weeks of farrowing nor for at least 3 weeks thereafter.

Do not use on dairy cattle or dairy goats.

Do not use on poultry.

Do not use a solution stronger than 1 pint mixed in 50 gallons of water on calves and other young livestock.

Do not use on household pets or humans.

Do not dip livestock within 60 days of slaughter. Do not treat any animal under 3 months of age.

**DO NOT USE, POUR, STORE OR SPILL  
NEAR HEAT OR OPEN FLAME.**

#### DIRECTIONS

FOLLOW DIRECTIONS CLOSELY, MEASURE ACCURATELY, AND STIR EMULSION THOROUGHLY JUST BEFORE USING.

DO NOT TREAT ANIMALS IN COLD, STORMY WEATHER. DO NOT TREAT OVERHEATED OR SICK ANIMALS. DO NOT TREAT ANIMALS YOUNGER THAN 3 MONTHS OF AGE. DO NOT USE ON DAIRY CATTLE. DO NOT DIP LIVESTOCK WITHIN 60 DAYS OF SLAUGHTER.

#### LIVESTOCK DIP ONLY:

HORNFLIES ON BEEF CATTLE, HORSES, AND HOGS: Treat animals thoroughly with Lindane Solution prepared as follows: 1 pint to 45 gallons water. Repeat every 3 to 4 days or as often as necessary.

LICE AND TICKS ON BEEF CATTLE, SHEEP AND GOATS: Treat animals with 0.03% Lindane prepared as follows: 1 pint to 45 gallons water. Skin and hair of sheep and goats must be thoroughly wet. Repeat as necessary.

LICE ON HOGS: Treat hogs with a solution not to exceed 0.06% Lindane prepared as follows: 1 quart to 45 gallons water. Repeat as necessary.

SARCOPTIC AND PSOROPTIC MANGE ON BEEF CATTLE AND HOGS: Use 0.06% Lindane prepared as follows: 1 quart to 45 gallons water. Wet animals thoroughly including inside of ears. Pens and shelters should be sprayed to prevent re-infection. Do not use on Dairy Cattle.

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.

FLIES ON MANURE PILES, REFUSE HEAPS: Spray with 0.125% Lindane prepared as follows: Mix 1 pint Crown Lindane E.C. to 10 gallons water. Wet thoroughly every 3 to 4 weeks or as manure is added. Do not apply treated manure to land to be planted to food crops.

CHICKENS, DUCKS ON LAWNS: Spray thoroughly 0.06% Lindane prepared as follows: Mix 1 pint Crown Lindane E.C. to 20 gallons water. One-half (1/2) pint Crown Lindane will be sufficient to cover approximately one acre (1/2 lb. Lindane per acre).

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Lindane Emulsifiable Concentrate  
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• • STORAGE & DISPOSAL

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

STORAGE: Do not use or store near heat or open flame. Do not store below 32° F. Keep product in original container, tightly closed.

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 by other procedures approved by state and local authorities.

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**NOTICE OF WARRANTY**

Manufacturer and Seller make no warranty of merchantability, fitness for any purpose, or otherwise, express or implied, concerning this product or its use, which extend beyond the statements on this label.

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EPA Est. No. 2393-IL-3<sup>3</sup>, 2393-WI-1<sup>3</sup>,  
523-IL-1<sup>3</sup>, 2393-WI-2<sup>3</sup>, 33509-MO-1<sup>3</sup>  
Superscript refers to first letter of lot number

CODE 5 7 79 1 2 3 4 5 6 7 8 9 (2/81)



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

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

435/112073  
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JCC/11874C-  
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Ms. Judith A. Thompson  
Hopkins Agricultural Chemical Co.  
P.O. Box 7532  
Madison, WI 53707

Dear Ms. Thompson:

Subject: Lindane RPAR  
Crown Lindane Emulsifiable Concentrate  
EPA Reg. No.: (7273-27)  
Appl. Date: November 22, 1983

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 listed below before you release the product for shipment bearing the amended labeling:

1. Immediately preceding "CAUTION HARMFUL IF SWALLOWED...", insert the following headings:

"PRECAUTIONARY STATEMENTS

"HAZARDS TO HUMANS AND DOMESTIC ANIMALS"

2. Immediately preceding "This product is toxic to fish and wildlife...", insert the following heading:

"ENVIRONMENTAL HAZARDS"

3. Move the following block of text to appear in the "HAZARDS TO HUMANS..." section: "Do not treat sows....any animal under 3 months of age."

4. Immediately preceding "DO NOT USE, POUR...OR OPEN FLAME" insert the following heading:

"PHYSICAL OR CHEMICAL HAZARDS"

5. Add the following to the "HAZARDS TO HUMANS..." section:

"Wash thoroughly after handling and before eating or smoking."

6. Add the following to immediately follow the Applicators' protective clothing section:

"Mixer/loaders must wear goggles or face shield, waterproof apron, and waterproof gloves."