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**RESTRICTED USE PESTICIDE**

For 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

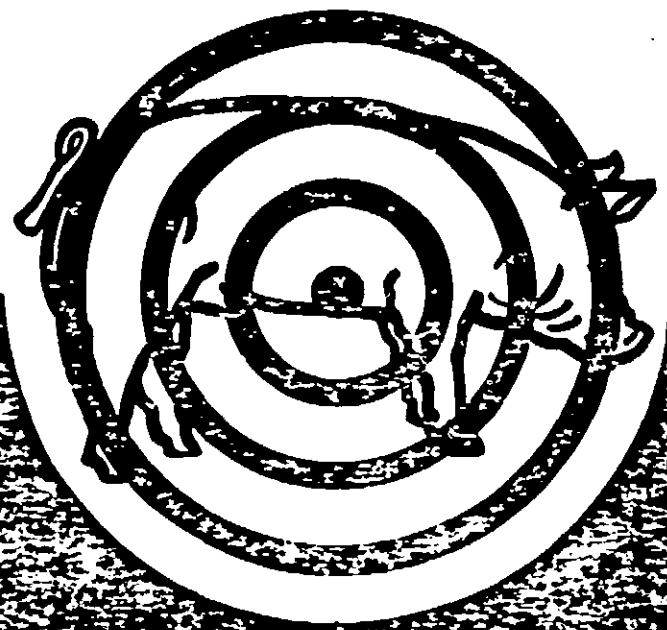


**B-20 LINDANE**

**EMULSIFIABLE**

**SPRAY CONCENTRATE**

7273-89



**CONTAINS 1.6 POUNDS LINDANE PER GALLON**

Insecticide Concentrate containing 20% by weight of LINDANE to be diluted with water or deodorized Kerosene for use. Properly mixed and applied will control FLIES, MOSQUITOES, TICKS, LICE, CHIGGERS and certain other insects as listed.

ACTIVE INGREDIENTS:	
Lindane (Gamma isomer of benzene hexachloride)	20%
Xylene	60%
INERT INGREDIENTS:	
	20%
TOTAL	
	100%

**FLAMMABLE** — Do Not use, pour or store near heat or open flame

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See Side Panel for Additional Precautions

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CAUTION

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DO NOT apply Lindane where it will contaminate fruit or vegetables or where any livestock will graze.

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

Do not treat animals under 3 months of age.

Do not use on dogs, cats, other household pets or humans, or on poultry.

Do not use on dairy cattle.

Do not use in poultry houses, dairy barns or milk rooms.

HARMFUL IF SWALLOWED. HARMFUL VAPOR AND MIST MAY BE ABSORBED THROUGH SKIN. MAY PRODUCE IRRITATION OF SKIN AND EYES.

Avoid breathing of vapor or spray mist. Avoid contact with eyes or skin. In case of skin contact, wash thoroughly with soap and water. For eyes, flush with plenty of water.

Keep children and pets out of treated area until Sprayed surfaces are dry.

Applicators must wear the following protective clothing during the application process: a light-weight protective suit or coveralls; water-resistant hat; unlined, waterproof gloves; and unlined, lightweight boots. Mixers and loaders must also wear goggles or a face shield, waterproof gloves and a waterproof apron.

Applicators working in enclosed areas, such as crawl spaces, must wear a respirator approved by OSHA (29 CFR 1910.134).

Thoroughly air rooms after treatment before allowing persons or pets to enter.

Do not use in edible products areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

Avoid contamination of feed and foodstuffs.

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CAUTION

This product is toxic to fish, birds and other wildlife. Keep out of lakes, streams and ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

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DIRECTIONS FOR USE

CONSULT STATE AGRICULTURAL EXPERIMENTATION FOR RECOMMENDATIONS FOR USE UNDER LOCAL CONDITIONS.

FOR CONTROL OF TICKS AND LICE ON BEEF CATTLE, HOGS AND HORSES. Use at the rate of 1 pint in 50 gallons of water. Do not dip within 60 days and do not spray within 30 days of slaughter. Do not use on dairy animals. Do not use on animals under 3 months old. Use half rate, 1/2 pint to 50 gallons of water on young animals but over three months old.

FOR CONTROLS OF TICKS, LICE AND MANGE (SARCOPTIC AND PSOROPTIC) ON BEEF CATTLE, SHEEP AND GOATS: Use 7/8 pint of this product per 50 gallons of water as a dip or spray treatment. Use at same rate for sheep after clipping. Repeat treatments at 14 day intervals as needed. Do not spray within 30 days of slaughter or dip within 60 days of slaughter. DO NOT USE ON DAIRY ANIMALS. Do not use on animals under 3 months old.

CAUTION: Spray and dips for young animals, but over 3 months old should be prepared at the rate of 1/2 pint to 50 gallons of water.

Do not use on animals under 3 months old.

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

PRECAUTIONS: Before spraying with Lindane, remove or cover all feed and cover food and water troughs or flush them out thoroughly with water from a pressure hose immediately after spraying and before spray deposit has dried. Do not use in dairy barns or milk rooms or in any way that may result in contamination of feed or feedstuffs.

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.

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For residual control of flies and mosquitoes in barns and in industrial plants. Do not use in poultry houses, dairy barns or milk rooms. Never use residual spray dilutions on animals.

**FLIES AND MOSQUITOES:** Mix 4 tablespoons in 1 gallon of water or 1 quart in 15 gallons of water. Apply as a coarse wet spray to walls, ceilings, beams, screens, window frames, posts, partitions and similar places where flies gather, also manure sheds, loafing sheds and hog houses. Repeat treatments every 30 days or as control diminishes.

Thoroughly air buildings after treatment before allowing persons or animals to enter.

Where the use of water is not desirable, dilute 1 quart of B-20 Lindane Concentrate in 15 gallons of deodorized kerosene and apply the diluted solution in the manner and at the rates given above.

**TICKS AND CHIGGERS ON VEGETATION:** Lawns, recreation areas, camp grounds, golf courses. Mix 1 quart thoroughly in 25 gallons of water and apply at the rate of about 1 gallon to 1000 square feet. Cylindrical or knapsack type hand sprayers may be used over small areas, but power equipment will be most satisfactory for large acreages. Treat ground litter, soil and the lower parts of plants with this spray.

#### STORAGE & DISPOSAL

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

**Storage:** Do not use or store near heat or open flame. Keep product in original container, tightly closed. This product does not freeze or crystallize at storage temperatures of 0°F. or higher. It should be allowed to warm to at least 40°F., and then be agitated before use, if lindane crystals have precipitated out of solution at temperatures below 0°F.

**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.

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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 extends beyond the statements on this label.

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

MANUFACTURED FOR  
***crown industries***  
DIV. OF HOPKINS AGRICULTURAL CHEMICAL CO.  
P.O. BOX 7532 MADISON, WI 53707 U.S.A.



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

435/112073  
37/1

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

Ms. Judith A. Thompson  
Hopkins Agricultural Chemical Co.  
P.O. Box 7532  
Madison, WI 53707

300/118746  
17/2

Dear Ms. Thompson:

Subject: Lindane RPAR  
Crown Check Pest B-20 Lindane Emulsifiable Spray Concentrate  
EPA Reg. No.: 7273-96  
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 DO NOT Lindane where it will contaminate..." insert the following headings:

"PRECAUTIONARY STATEMENTS

"HAZARDS TO HUMANS AND DOMESTIC ANIMALS"

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

"ENVIRONMENTAL HAZARDS"

3. Immediately preceding "FLAMMABLE--Do Not use, pour...or open flame" insert the following heading:

"PHYSICAL OR CHEMICAL HAZARDS"

4. Move the "PHYSICAL OR CHEMICAL HAZARDS" section to follow the "ENVIRONMENTAL HAZARDS" section.

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

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

6. Revise your respirator statement to read as follows:

"Wear a pesticide respirator jointly approved by MSHA (Mine Safety and Health Administration) and by NIOSH (National Institute for Occupational Safety and Health) under the provisions of 30 CFR Part 11 for Lindane protection."

7. Add a second sentence in this section to read as follows:

"Birds and other wildlife feeding in treated areas may be killed."

8. 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."

9. 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."

10. 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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The above comments concern the Restricted Use product; the general use product will be assigned a new EPA Registrations Number and these comments will be dealt with under a separate cover letter.

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~~<sup>June 1</sup>, 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

*2. The above comments must be added to the label.*