

124

**RESTRICTED USE PESTICIDE**

For application only by or under the direct supervision of a certified applicator.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

APR 23 1984

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

1386-45

LINDANE  
EMULSIFIABLE CONCENTRATE

KEEP OUT OF REACH OF CHILDREN (12 point type size)  
WARNING (18 point type size)  
See Side Panel For Additional Precautionary Statements

**ACTIVE INGREDIENTS:**

Lindane (Gamma isomer of benzene hexachloride) .....	12.85%
Xylene .....	83.65%
INERT INGREDIENTS .....	3.50%
Total .....	100.0%

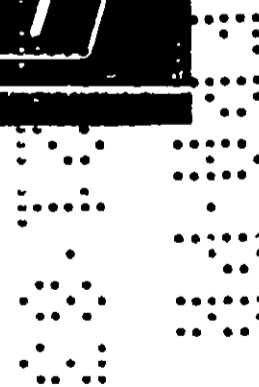
CONTAINS 1 POUND LINDANE PER GALLON.

Net Volume: 1 Gallon  
Product 209

EPA Reg. No. 1386-45  
EPA Est. No. 1386-OH-1



UNIVERSAL COOPERATIVES, INC., MINNEAPOLIS, MN 55440



1386-45 (2)

# LINDANE EMULSIFIABLE CONCENTRATE

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Do not use on household pets or humans. Applicators must wear the following protective clothing during the application process: a light-weight protective suit or coveralls; water-resistant hat; unlined water proof gloves; and unlined lightweight boots. Mixers and loaders must also wear goggles or a face shield, waterproof gloves and a waterproof apron.

### 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 on skin, remove contaminated clothing and wash before reuse. Wash skin with soap and water. If in eyes, flush with water and get medical attention. If inhaled, remove victim to fresh air and apply respiration if indicated.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift of spray from area treated. 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 the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

### PHYSICAL OR CHEMICAL HAZARDS

**FLAMMABLE.** Do not use or store near heat or open flame.

### DIRECTIONS FOR USE

BEST DOCUMENT AVAILABLE

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

**BEEF CATTLE, HOGS, SHEEP AND GOATS** - To control psoroptic and chorioptic mange mites (scabies) on beef cattle, sarcoptic mange mites on hogs, and psoroptic mites (common scabies) and chorioptic mites (foot scabies) on sheep, use 4 pints in 100 gallons of water (0.06 percent of lindane) to spray each mature animal thoroughly. For animals over 3 months (calves 5 months) of age to 1 year old, use 2 pints in 100 gallons of water (0.03 percent of lindane). Complete coverage (including inside of ears) either by spraying or dipping, is essential. Treatment should be repeated in 7 to 10 days if necessary.

To control lice and ticks on beef cattle, sheep and goats and lice on hogs (mature animals), use 2-1/3 to 3-1/8 pints in 100 gallons of water (0.037 to 0.05 percent of lindane) to spray each mature animal thoroughly. For animals over 3 months (calves 5 months) of age to 1 year old, use 2 pints in 100 gallons of water (0.03 percent of lindane). Repeat treatment if necessary in about 10 days.

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If used as a spray, apply the sprays to the kinds of animals listed with a sprayer which develops adequate pressure. Generally, large beef cattle require about 4 gallons of spray per head and smaller animals, hogs, sheep and goats, require proportionately less.

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 DIP THESE ANIMALS WITHIN 60 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 USE ON POULTRY OR IN POULTRY HOUSES. DO NOT APPLY IN DAIRY BARN'S OR MILK ROOMS. DO NOT CONTAMINATE WATER, FEED, MILK OR MILKING EQUIPMENT.

SMALL QUANTITIES - Use following equivalent to mix and apply small quantities:

Amount Per 100 Gallons of Water	Amount to Use in 1 Gallon of Water	Lincane Concentration
2 pints	2 teaspoonsful	.032%
2-1/3 pints	2-1/4 teaspoonsful	.037%
3-1/8 pints	3 teaspoonsful	.050%
4 pints	4 teaspoonsful	.064%

#### DISPOSAL OF SPENT DIPS

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.

PINE TREES - To control Black Turpentine Beetle which attacks the lower part of the trunk, use 9.6 fluid ounces in 1 gallon of water. Remove loose bark and trash exposing base of trunk. Apply as coarse wetting spray to the point of run-off. Spray from soil line to 2 feet above ground. Repeat after 30 days. To control Ips Beetle and Southern Pine Beetle use 1.6 pints in 11 gallons of water and spray entire length of trunk and limbs at first indication of attack. Repeat every 30 days as needed. Use preventive sprays during outbreak periods.....

Do not apply to soil where edible root crops will be planted. ....

PECAN TREES - To control Pecan Phylloxera and Shoot Curculio, use 1-2/3 quarts in 100 gallons of water, thoroughly wetting the foliage at approximately 30 gallons of spray per tree. Do not apply more than 450 gallons per acre. Apply by air blast sprayer when the pecan buds are beginning to burst. This is early to mid-April. Make only one application. Do not graze treated areas. ....

BEST DOCUMENT AVAILABLE

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**STORAGE AND DISPOSAL (12 point type size)**

**STORAGE:** Store in original container only. Do not use or store in or around the home. Do not store near heat or open flame.

**PESTICIDE DISPOSAL:** Do not contaminate water, food, or feed by storage or 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.

**NOTICE**

Use only for the purposes and in compliance with the limitations, cautions, or warnings stated on this label.

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Universal Cooperatives, Inc.  
7801 Metro Parkway  
P.O. Box 460  
Minneapolis, MN 55440

Attention: Diana G. Williams

Gentlemen:

Subject: Amendment - Comply with Lindane Intent to Cancel  
Unico Lindane Emulsifiable Concentrate  
EPA Registration No. 1386-45  
Application dated November 15, 1983

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. Revise the text of the restricted use statement to read as follows (the PD 4 document was incorrect in regard to this item):  
"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."
2. Add the following to the hazards to humans section: "Wash thoroughly after handling and before eating or smoking."
3. Add the following so it appears in a prominent location: "Do not apply by aircraft."

Submit five (5) copies of you 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.

CONCURRENCES

SYMBOL								
SURNAME	<i>Rowley</i>							
DATE	<i>4/10/84</i>							

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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 ~~April 6~~ April 6, 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-767)

Enclosure

RD-Dis:DCR-28649:G.LaRocca:GG:Raven557-2226:RD-23:4/4/84/Del 4/14/84

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