

JAN 8 1991

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Ms. Nik Ramswick  
Universal Cooperatives  
7801 Metro Parkway  
P.O. Box 460  
Minneapolis, MN 55440

Dear Ms. Ramswick:

Subject: Reregistration of Products Containing Lindane  
Lindane Wettable Powder  
EPA Registration No. 1386-54  
Your Letter Dated November 2, 1990

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 Directions for Use add "Thoroughly water animals prior to dipping to keep animals from drinking treated dip."
2. Update the Environmental Hazards Statement by changing "by cleaning of equipment and disposal of wastes" to "when disposing of equipment washwaters."
3. Under the Hazards to Humans and Domestic Animals, the second to last sentence should read "Wash thoroughly after handling and before eating or smoking."
4. The two sources reported on the Confidential Statement of Formula for the Lindane technical have been cancelled. Contact Rhone-Poulenc for a current registration number.

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 (H7505C)

*Richards*

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.

Lindane  
Wettable Powder

KEEP OUT OF REACH OF CHILDREN

WARNING

See Remainder Of WARNING Statement On Side Panel

ACTIVE INGREDIENT:

Lindane (Gamma isomer of benzene hexachloride) .....	25%
INERT INGREDIENTS .....	75%
Total .....	100%

Net Weight: 1 Pound  
Product 1009

EPA Reg. No. 1386-54  
EPA Est. No. 1386-OH-1



ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

UNIVERSAL COOPERATIVES, INC., MINNEAPOLIS, MN 55440 JAN 8 1991

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 1386-54

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING

MAY BE FATAL IF SWALLOWED! MAY BE ABSORBED THROUGH SKIN! Do not breathe dust or spray mist. Avoid contact with skin and eyes. Applicators must wear the following protective clothing during the application process: a lightweight 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. In case of contact, wash immediately with soap and water; for eyes, flush with water and get medical attention. Wash thoroughly after handling. Do not contaminate feed and foodstuffs. *and before eating and smoking*

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.

DIRECTIONS FOR USE

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

BEEF CATTLE, HOGS, SHEEP, AND GOATS

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.

To control lice and ticks, use 1 pound in 100 gallons of water (0.03 percent of Lindane) to spray each animal thoroughly. Repeat treatment if necessary in about 10 days.

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 1 1/2 pounds in 100 gallons of water (0.047 percent of Lindane) to spray each animal thoroughly. Complete coverage is essential.

Treatment should be repeated in 7 to 10 days. For animals more than 3 months (calves 5 months), but less than 1 year old, the spray must be limited to 0.03% Lindane (1 pound in 100 gallons of water).

Apply the sprays to the kinds of animals listed with a sprayer which develops adequate pressure, preferably 200 to 300 p.s.i. Generally, large beef cattle require about 4 gallons of spray per head, and hogs, sheep, and goats require proportionally less spray.

For sheep and goats, a dip made by using 3/4 pound in 10 gallons of water, into which each animal is completely submerged, may be preferable to spraying. Sheep should be treated in the fall usually, although treatment in the spring after shearing may be advisable.

*After application, animals should be kept in the treated dip.*

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 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.

SMALL QUANTITIES: Use the following equivalents for mixing and applying small quantities.

<u>Amount in 100 Gallons of Water</u>	<u>Amount to Use in 1 Gallon of Water</u>
1 Pound	2 Teaspoons
1½ Pounds	3 Teaspoons
2 Pounds	4 Teaspoons

Used dip solutions must be disposed of in accordance with the Resource Conservation and Recovery Act (RCRA). If the applicator generates more than 1,000 kg used dip solution per month or more than 1,000 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.

#### STORAGE AND DISPOSAL

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

STORAGE: Store in original container in a cool, dry place which is inaccessible to children or pets.

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 container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. Seller makes no other express or implied warranty, including any other express or implied warranty of fitness or of Merchantability, and no agent of Seller is authorized to go so except in writing with a specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.