



**FALLS CHEMICALS INC.**  
**RESTRICTED USE**  
**PESTICIDE**

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

ACCEPTED  
 with COMMENTS  
 in EPA Letter Dated:

APR 24 1984

Under the FIFRA Act, this pesticide is registered under EPA Reg. No. 40831-81

*Revise*



**25% LINDANE**

**WETTABLE POWDER**

FOR CERTAIN GARDEN INSECTS  
 AND CONTROL OF FLIES, LICE, TICKS AND MANGE ON BEEF CATTLE

<b>ACTIVE INGREDIENT:</b>		
Gamma Isomer of Benzene Hexachloride from Lindane .....	25%	
<b>INERT INGREDIENTS:</b> .....	75%	
	<b>TOTAL</b>	<b>100%</b>

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

See Side Panel For Additional Precautionary Statements

EPA REG. NO. 40831-81

EPA Est. No. 40831-MT-01

NET CONTENTS 

FALLS CHEMICALS INC., GREAT FALLS, MONTANA 59403

*SPT*

40231-81

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

harmful if swallowed. Avoid inhaling this spray. Avoid contact with eyes, skin and clothing. In case of contact, wash with plenty of water, and for eyes get medical attention. Remove and wash contaminated clothing before re-use.

*Do not apply by aircraft*

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

**CAUTION:** Lindane should not be used in soils where root crops are to be grown. Do not use on household pets or humans.

This product is toxic to fish and wildlife. Keep out of any body of water. Treated seeds exposed on soil surface may be hazardous to birds and other wildlife. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

**DIRECTIONS FOR USE**

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

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.

**STORAGE AND DISPOSAL**

**STORAGE:** Do not store near fertilizers, seeds, insecticides, fungicides and feed or foodstuffs.

**PESTICIDE DISPOSAL:** Pesticide, spray mixture, or rinse water that cannot be used according to label instructions must be disposed of according to Federal or approved state procedures under Subtitle C of the Resource Conservation and Recovery Act.

Burn bags when empty; never re-use. Keep out of smoke.

Bury any spillage or spray waste in non-crop areas away from water supplies.

*Revised*

BEST DOCUMENT AVAILABLE

40831-81

**RESIDUAL SPRAYS**—To control flies, mosquitoes, fleas, roaches and ants in farm buildings, use 1 pound per 10 gallons of water. Apply as a coarse wet spray at the rate of 1 gallon diluted spray to 500 square feet or until surface is thoroughly wet. For flies and mosquitoes, spray ceilings, walls, posts, window and door frames where flies prefer to rest. Treat adjacent buildings to reduce the number of flies entering the barn. For fleas, make applications to walls, baseboards, floors and to bedding in animal sleeping quarters. For roaches and ants, treat floors, baseboards, cracks, and crevices and other hiding places. Direct spray on to as many insects as possible at time of application. Repeat as needed. Do not use inside homes, poultry houses, dairy barns or milk rooms. Do not contaminate milk, milking equipment, feed or drinking water.

**VEGETABLES:** For Aphids or Plant Lice mix 3 lbs. 25% Lindane Wettable Powder in sufficient water to cover one acre and spray both top and under sides of all leaves on the following: CABBAGE, CAULIFLOWER, BRUSSELS SPROUTS, BROCCOLI—Do not apply after heads or edible parts begin to form; CUCUMBERS—Do not apply after blossoming begins; SPINACH—Do not apply after seedling stage; TOMATOES—Do not apply after blossoms fall. For CELERY, spray seedling stage only using 1½ lbs. 25% Lindane per acre. For PEPPERS, do not spray after blossoms fall, using 1½ lbs. 25% Lindane per acre.

**HOME GARDENS:** For Aphids or Plant Lice on Cabbage, Cauliflower, Brussels Sprouts, Broccoli, Cucumbers, Tomatoes, Celery and Peppers, mix 1 teaspoon 25% Lindane with one gallon of water and spray as above, observing all cautions given.

**SQUASH BUGS:** Mix 2 lbs. 25% Lindane Wettable Powder and 4 lbs. 50% Methoxychlor Wettable Powder in sufficient water to cover one acre (1 teaspoon 25% Lindane & 2 teaspoons 50% Methoxychlor with one gallon of water for Home Gardens) and apply so as to cover affected pumpkin and squash plants thoroughly. Repeat every two weeks. Do not apply within 7 days of harvest. Application in late season may cause some reduction in quality of squash.

**LIVESTOCK PESTS**—For Lice on Beef Cattle, Horses and Hogs, use 1 pound per 100 gallons of water (2 level teaspoons per gallon). Treat entire animal or infested areas. May be necessary to repeat treatment within 15 to 20 days. For Sarcoptic Mange on Beef Cattle, Horses, Hogs and Sheep, use 1½ pounds per 100 gallons of water (3 level teaspoons per gallon). Use about 2 gallons of spray per animal for cattle and horses and proportionately less for smaller livestock. Use a power sprayer capable of developing sufficient pressure to part the hair and wet the skin. Apply two sprays one week apart. For ticks on beef cattle and horses, use 1 pound per 100 gallons of water. Thoroughly treat all areas, wetting the skin. Make two applications about 20 days apart or as needed for continued control. For lice and ticks on Sheep, use 1 pound per 100 gallons of water. Apply in the fall. It may be necessary to repeat treatment after shearing. Spray against grain of wool along back and around ears. The spray machine should develop enough pressure to penetrate the wool and wet the skin. Do not dip animals. Do not spray animals within 30 days of slaughter. Do not use on Dairy Animals.

200851

**CAUTION:** Do not treat animals under 3 months of age. Sprays for young animals (over 3 months of age) should not exceed a concentration of 0.03% lindane (1 pound of this product in 100 gallons of water). Do not treat sows within 2 weeks of farrowing nor for at least 3 weeks thereafter. Avoid treating animals in cold stormy weather. Avoid treating overheated or sick animals.

NOTICE: This product shall conform with quantities and formulas indicated hereon, within accepted tolerances as permitted by appropriate governmental authorities, and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use. No warranty extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable by Falls Chemicals Inc. In no case shall Falls Chemicals Inc. be liable for consequential, special or indirect damages resulting from use or handling of this product. All such risks shall be assumed by buyer. FALLS CHEMICALS INC. MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESSED OR IMPLIED WARRANTIES EXCEPT AS STATED ABOVE

**BEST DOCUMENT AVAILABLE**



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

435/112/82  
37/1

300/118865  
17/2

24 APR 1983

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

Mr. Louie Maillet  
Falls Chemicals Inc.  
P.O. Box 2345  
Great Falls, MT 59403

Dear Mr. Maillet:

Subject: Lindane RPAR  
Falls 25% Lindane Wettable Powder  
EPA Reg. No.: 40831-81  
Appl. Date: November 17, 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. The RPAR Notice incorrectly indicated the language to be used for the RESTRICTED USE PESTICIDE statement. Delete "For application only by or under the direct supervision of a certified applicator" and insert the following at the top of the front panel above the product name. (Note: the type size requirements for the heading "RESTRICTED USE PESTICIDE" are the same as required for the front panel signal word.)

"RESTRICTED USE PESTICIDE

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. 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.  
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 areas with soap and water.  
If in eyes- Flush eyes with plenty of water. Call a physician immediately.
3. Revise your "STORAGE AND DISPOSAL" section in accordance with PR Notices 83-3 and 84-1. (Delete your present statement.)
  4. Add the following to the "HAZARDS TO HUMANS..." section:  
"Wash hands thoroughly after using and before eating or smoking."
  5. Add the following to the DIRECTIONS FOR USE or to the HAZARDS TO HUMANS...:  
"Do not apply by aircraft."
  6. Merge the third paragraph following the heading "ENVIRONMENTAL HAZARDS" with the first paragraph following "ENVIRONMENTAL HAZARDS".
  7. Revise the beneficial insect caution and move it to appear under the heading "ENVIRONMENTAL HAZARDS" as follows:  
"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."
  8. On the last 2 pages of the draft labeling change the "CAUTION" to "WARNING"; the signal word must be consistent throughout the labeling.
  9. Under the "BEEF CATTLE, HORSES.....GOATS" heading insert directions indicating that the nozzle pressure of the sprayer should be calibrated to 200 psi. This pressure is necessary to penetrate the animals' coat to the skin.
  10. We note the site "HOME GARDENS" on the label. We think this unusual for a Restricted Use Pesticide. You may wish to delete it or "split" your label into a Professional and Homeowner label. If you wish to split the product you must apply for a new registration and have a new EPA Reg. No. assigned. Indicate on your application that this is a split label so that you do not have to comply with the data requirements of PR Notice 83-4.

46831-81

3

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 31, 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

P.S. Delete "Treated seeds exposed....,wildlife."; this statement is only applicable to seed treatment products and there are no such directions on this label.

P.S. To the Farm Buildings section add the following respirator statement:

"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."