



**WHITE GRUBS, CUTWORMS, AND WHEWORMS IN CABBAGE, CELERY, COLLARDS, CUCUMBERS, LETTUCE, OKRA, PEPPERS, SQUASH, MELONS, TOMATOES:** For preplant soil application, only mix 1 lb. Martin's 6% Lindane Wettable Powder with 12 gallons of water and spray on soil at rate of 1 gallon per 125 sq. ft. of soil surface. Work into soil thoroughly during or before planting. Do not treat land to be planted in root crops.

**FLOWERS AND ORNAMENTALS:**  
**ON BULBS** (Daffodil, Gladiolus, Hyacinth, Iris, Lilies, Narcissus, Tulips) for controlling Aphids, Bulb Fly, European Corn Borer, Iris Borer, Thrips. Mix 1 lb. of Martin's 6% Lindane Wettable Powder with 24 gallons of water. Apply as spray when insects appear.  
**ON FLOWERS** (Carnations, Chrysanthemums, Coleus, Daisies, Gardenias, Geraniums, Hibiscus, Nasturtium, Pansies, Pentanias, Sweet peas, Zinnias) for controlling Aphids, Blister Beetles, Leafhoppers, Thrips. Mix 1 lb. of Martin's 6% Lindane Wettable Powder with 24 gallons of water. Apply as spray when insects appear.  
**ON ORNAMENTAL FLOWERS** (Azaleas, Camellias, Heather, Lilacs, Rhododendrons, Roses) for controlling Aphids, Blackvine Weevil, Cucumber Beetles, Thrips, White Fly. Mix 1 lb. of Martin's 6% Lindane Wettable Powder with 24 gallons water. Apply as spray when insects appear.

**RESTRICTED USE PESTICIDE**  
**FOR APPLICATION ONLY BY OR UNDER THE DIRECT SUPERVISION OF A CERTIFIED APPLICATOR.**

# 6% LINDANE WETTABLE POWDER

**FOR USE ON HORSES, BEEF CATTLE, SHEEP, GOATS, SWINE AND DOGS. ALSO ON LAWNS, CERTAIN FRUIT TREES, AND VEGETABLES.**

**NET WEIGHT: 1 POUND**

**CAUTION: Keep Out of Reach of Children**  
**SEE BACK PANEL FOR OTHER CAUTIONS**

**APR 16 1984**

**ACTIVE INGREDIENT:** Under the Federal Insecticide, Fungicide, and Rodenticide Act, 6% Lindane (Gamma Isomer of Benzenehexachloride) 6%  
**INERT INGREDIENTS:** as amended, for the pesticide 94%  
 registered under EPA Reg. No. 249-149

**DIRECTIONS**  
 For all uses indicated below 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 water-proof apron.

Aerial application of Lindane is prohibited.

**HORNFLIES ON BEEF CATTLE:** Spray animals thoroughly with 0.03% Lindane prepared by mixing 1 lb. Martin's 6% Lindane Wettable Powder with 24 gallons of water.

**LICE AND TICKS ON HORSES, BEEF CATTLE, SHEEP, GOATS:** Adult animals - spray thoroughly with 0.06% Lindane prepared by mixing 1 lb. of Martin's 6% Lindane Wettable Powder with 12 gallons of water. Young animals - use 0.03% Lindane prepared by mixing 1/2 lb. with 12 gallons of water.

**LICE ON HOGS:** Adult animals - spray with 0.06% Lindane prepared by mixing 1 lb. Martin's 6% Lindane Wettable Powder with 12 gallons of water. Young animals - use 0.03% Lindane prepared by mixing 1/2 lb. with 12 gallons of water.

**SARCOPTIC MANGE ON BEEF CATTLE AND HOGS AND PSOROPTIC MANGE (SHEEP SCABIES) ON SHEEP AND GOATS:** Adult animals - use 0.06% Lindane as spray prepared by mixing 1 lb. Martin's 6% Lindane Wettable Powder with 12 gallons of water. Young animals - use 0.03% Lindane prepared by mixing 1/2 lb. with 12 gallons of water. Wet animals thoroughly. Repeat treatment at 7 to 10 day intervals for 2 or more treatments as needed. Pens and shelters should also be sprayed to prevent reinfestation.

**SARCOPTIC MANGE MITES ON DOGS:** Use 3 ounces in 100 gallons of water.

**WARNING:** Do not treat animals under 3 months old. Do not use within 30 days of slaughter. Do not use on dairy animals. Do not treat sows within 2 weeks of farrowing or for at least 3 weeks after farrowing. Use as a spray, not a dust. Do not use on cats.

**FLIES, ROACHES, SPIDERS, ANTS, MOSQUITOES IN LIVESTOCK BUILDING AND PENS:** For residual control mix 1 lb. of Martin's 6% Lindane Wettable Powder with 2 1/2 gallons of water. Apply as a coarse wetting spray at rate of 1 gallon per 100 square feet of surface. Do not contaminate feed or drinking water. Do not use in poultry houses. Do not use on animals at this time. Do not use in dairy barns or milking rooms.

**CHIGGERS AND TICKS ON LAWNS:** Mix 1 lb. Martin's 6% Lindane Wettable Powder with 12 gallons of water. Spray lawn at rate of 1 gallon per 125 sq. ft. of area.

**PLUM CURCULIO IN PEACH TREES:** Mix 1 lb. per 25 gallons of water. Apply at rate of 1 gallon per 100 sq. ft. Do not use within 60 days of harvest.

**APHIDS ON TOMATOES:** Mix 1 lb. Martin's 6% Lindane Wettable Powder with 24 gallons water. Spray plants at rate of 1 gallon spray per 125 sq. ft. area. Do not apply after fruit starts to form. Do not apply to land to be planted in root crops.

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
 Harmful if swallowed. May be absorbed through skin. Avoid breathing spray mist. Avoid contact with skin. Keep away from food, feedstuffs and domestic animal supplies. Wash thoroughly after handling.

**STATEMENT OF PRACTICAL TREATMENT**  
 If swallowed - Call a physician or poison control center immediately. Do not induce vomiting because of aspiration hazard.  
 If inhaled - Remove victim to fresh air. Apply artificial respiration if indicated.  
 If on skin - Remove contaminated clothing and wash affected area with soap and water.  
 If in eyes - Flush with plenty of water. Call a physician if irritation persists.

**NOTE TO PHYSICIAN:** Lindane is a central nervous system stimulant for which no specific antidote is available. A short acting barbiturate should be used for alleviation of symptoms. Diazepam is the treatment of choice for convulsions.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprojected persons.

**ENVIRONMENTAL HAZARDS**  
**CAUTION:** This product is toxic to fish, birds and other wildlife. Do not apply directly to lakes, streams or 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.

**PHYSICAL AND CHEMICAL HAZARDS**  
 Do not use or store near heat or open flame. Avoid strong oxidants, and powdered metals.

**DIRECTIONS FOR USE**  
 It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.  
 EPA Reg No 299-149  
 EPA Est 299 TX 1



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

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OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

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Mr. Darrell J. Wilhoit  
C.J. Martin Co.  
606 West MKain St.  
Nacogdoches, TX 75961

Dear Mr. Wilhoit:

Subject: Lindane RPAR  
Martin's 6% Lindane Wettable Powder  
EPA Reg. No.: 299-149  
Appl. Date: November 16, 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. Revise the following under the "HAZARDS TO HUMANS..." section:

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

(Underscore added to indicate additional text; do not reproduce on the labeling.)

2. Revise the "If swallowed" STATEMENT OF PRACTICAL TREATMENT to read as follows (Note: aspiration hazard is usually only associated with Emulsifiable Concentrates, also Poison Control Center is a proper name and should be capitalized):

"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."

3. Insert the following as the second sentence of the "ENVIRONMENTAL HAZARDS" section:

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

4. You may delete "Do not apply where runoff is likely to occur." since this statement is no longer required.

5. Add a beneficial insect caution 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."

6. Move the "KEEP OUT OF REACH OF CHILDREN" to a position appearing above the front panel signal word "CAUTION". (As it reads now it implies that the only caution is to keep the product out of the reach of children.) It is also preferred that the child hazard warning appear in all capital letters for maximum prominence.
7. 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."

8. On the right panel add "(Continued)" to "DIRECTIONS".
9. Under the livestock uses it is suggested to add directions for a 200 psi nozzle pressure. This nozzle pressure is necessary to penetrate the animals' hair to the skin.
10. Under the directions for dogs, change the signal word "WARNING" to "CAUTION"; the signal word must be consistent throughout the label.
11. Must this precautionary section to the livestock section where it is more appropriate.
12. In the Dog section add the precautions: "Do not use on puppies under three months of age. Do not use on nursing bitches."

13. Your precautions under Livestock Buildings and Pens should include:

"Do not use in poultry houses, dairy barns or milk rooms. Do not contaminate milk, milking equipment, feed or drinking water."

14. Under Dogs add the following precautions:

"Improper dilution of this pesticide product could cause serious injury to your pet."

15. Sarcoptic mange in dogs requires a 7 day retreatment; add the appropriate directions to this section.

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