



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

Barbara Brown
DREXEL CHEMICAL CO.
P. O. Box 9306
Memphis, TN 38109

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

**Subject: Label Amendment Submission of 11/08/93 in Response to PR Notice 93-7
EPA Reg. No. 19713-358
BEST 4 SERVIS BRAND LINDANE 20%**

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

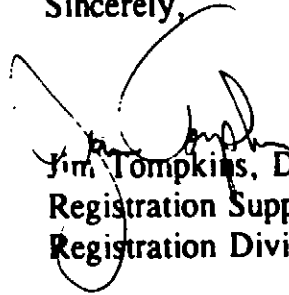
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Attachment

3/9

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Barbara Brown
DREXEL CHEMICAL CO
BOX 9306
MEMPHIS TN 38109

Comment for: EPA Reg Nr.19713-358
FALLS LINDANE 20% EMUL CONC.

The following specific comments pertain to your WPS labeling submission concerning the product cited above:

The correct restricted entry interval (REI) for this product is 12 hours. Your REI statement must read: "Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours." The exact location is shown in Section F on Part 2 of the Product Worksheet in Supplement Three-A to PR Notice 93-7.

Delete the crossed-out statements on your proposed label. They are redundant statements or phrases.

419

**BEST 4 SERVIS BRAND
LINDANE 20%
EMULSIFIABLE CONCENTRATE**

Designed for dilution with water to form an emulsion suitable for spraying Grain Mills, Grain Bins, Beef Cattle, Horses, Hogs and Sheep.

ACTIVE INGREDIENT:

| | |
|---|--------|
| Gamma Isomer of Benzene Hexachloride from Lindane..... | 20.0% |
| INERT INGREDIENTS*..... | 80.0% |
| TOTAL:..... | 100.0% |

*Contains Aromatic Petroleum Hydrocarbons

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

ACCEPTED
with COMMENTS
in EPA Letter Dated

MAR 17 1994

Manufactured By:
Drexel Chemical Company
P.O. Box 9306
Memphis, TN 38190-0306

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
19713-358

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. DO NOT INDUCE VOMITING. Vomiting may cause aspiration pneumonia.

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.

NOTE TO PHYSICIAN: This product contains a light hydrocarbon solvent and an aspiration hazard may exist. Gastric lavage may be indicated if material was taken internally.

EPA REG. NO: 19713-358
EPA EST. NO: 19713-GA-1

BEST AVAILABLE COPY

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. May be absorbed through skin. Do not breathe fumes of spray mist. Avoid contact with skin and eyes. ~~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 use on humans or household pets. Avoid contamination of feed and foodstuffs. Do not use, or store near heat or open flame.

Do not apply directly to feed, foodstuffs or absorptive material. 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.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

WPS USES: Applicators and other handlers who handle this pesticide for any uses covered by the Worker Protection Standard (40 CFR Part 170) -- in general, agricultural plant uses are covered -- must wear:

- Coveralls over short sleeved shirt and short pants
- Chemical-resistant gloves, such as Barrier Laminate or Viton
- Chemical-resistant footwear and socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading

NON-WPS USES: Applicators and other handlers who handle this pesticide for any uses NOT covered by the Worker Protection Standard (40 CFR Part 170) -- in general, only agricultural plant uses are covered by the WPS -- must wear:

- Elbow length waterproof gloves
- Waterproof apron
- Unlined waterproof boots
- For enclosed areas such as crawl spaces, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticide (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

BEST AVAILABLE COPY

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. For terrestrial uses, do not apply directly to water or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label. 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.

PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

Coveralls

Chemical-resistant gloves, such as Barrier Laminate or Viton

Chemical-resistant footwear plus socks

Protective eyewear

Chemical-resistant headgear for overhead exposure

BEST AVAILABLE COPY

NOTE: Aerial application of Lindane is prohibited.

GRAIN MILL AND GRAIN BIN APPLICATION: Lindane 20% Emulsifiable Concentrate may be used for residual protection which usually lasts at least three weeks against insects found in Grain Mills and Grain Bins. It should be used in conjunction with but not as a substitute for an established fumigation program. To control the exposed stages only of Confused Flour Beetle, Saw-Toothed Grain Beetle, Rice Weevil, Black Carpet Beetle, Flies, Roaches and Silver Fish, use one pint of Lindane 20% diluted in 4 1/2 gallons of water. Apply one gallon of coarse spray to every 1000 sq. ft. of surface. Carefully clean bins before spraying. Apply spray to places where insects concentrate, hide and breed, paying particular attention to cracks and crevices in walls, windows, doors, floors, and empty bins.

NURSERY AND ORNAMENTAL PLANTS: To control Whitefly on Camelia, Azaleas and Rhododendron and Aphids and Thrips on these and many other flowering plants, use 1 pint in 100 gallons of water. Apply when infestation first appears and repeat as necessary. For Fuller rose weevil, saturate the soil around the base of the plant.

LIVESTOCK PRECAUTIONS: Be sure spray is thoroughly mixed at time of application. Do not apply dosages higher than recommended on this label. Do not treat animals under 3 months of age. Spray or dip application to young animals (over 3 months of age) should be limited to dilutions of 0.03% concentration of Lindane (19 oz. of Lindane 20% Concentrate to 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. Do not spray cattle, sheep, goats and hogs within 30 days of slaughter nor dip within 60 days of slaughter. Do not use on dairy animals.

BEEF CATTLE, HORSES, HOGS, SHEEP AND GOATS: To control Lice and Ticks apply thoroughly a spray containing 2/3 quart in 100 gallons of water. Use 2 to 4 quarts per animal for large animals and 1 to 2 quarts per animal for hogs, sheep and goats. One treatment, if properly applied, will give satisfactory control of lice on these animals and also control of ticks (keds) on sheep and goats. For ticks on beef cattle and horses, a second treatment may be necessary. Do not apply to dairy cattle or milk goats.

See Livestock precautions above.

For Psoroptic Mange (Scab Mite) on Beef Cattle and Sheep and Sarcoptic Mange (Mange Mite) on Beef Cattle, Hogs, Horses, and Sheep, apply a spray containing 1 quart in 100 gallons of water. Use 2 to 4 quarts per animal for cattle and horses and 1 to 2 quarts per animal for hogs and sheep. Apply the spray thoroughly to get under the scabs. Make only one application at this concentration.

See Livestock precautions above.

FLY CONTROL IN FARM BUILDINGS: Use 1 quart in 10 gallons of water and apply to walls and ceilings with a hand sprayer at the rate of 1 gallon per 1000 square feet of surface. Apply when flies first appear and repeat at 3 to 6 week intervals as required. Before spraying, remove animals and cover or remove feed. Cover food and water troughs before spraying or wash thoroughly with pressure hose before deposit dries. Do not use in homes, poultry houses, milk rooms, or dairy barns.

STORAGE AND DISPOSAL

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

STORAGE INSTRUCTIONS

Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Do not stack over 2 pallets high. Do not move containers from one area to another unless they are securely sealed. Keep containers tightly sealed when not in use. Keep away from any puncture source. Be careful not to break glass containers. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled, follow these steps while wearing protective clothing:

1. Contain spill, absorb with material such as sawdust, clay granules or dirt.
2. Collect and place in suitable containers for disposal.
3. Wash area with water and soap to remove remaining pesticide.
4. Follow washing with clean water rinse.
5. Do not allow runoff to enter sewer or contaminate water supplies.
6. Keep persons and animals away from spill until it has been decontaminated.
7. Leaking containers should be placed in a plastic tub and the contents transferred as soon as possible to an empty original container.
8. Dispose of waste as indicated below:

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 dispose of in a sanitary landfill or by other approved state and local procedures.

DISPOSAL OF DIPS

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. of 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.

WARRANTY--CONDITION OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended, and other influencing factors in the use of this product are beyond the control of the Seller. Buyer assumes all risks of use, storage, and handling of this material not in strict accordance with directions given herewith.

In no case shall Drexel or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by Drexel Chemical Company and is accepted as such by the Buyer.