



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

7401-321
RM15

301/143210
17/3

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

Matthew D. Vickers
Voluntary Purchasing Groups, Inc.
Bonham, TX 75418

JAN 18 1985

Dear Mr. Vickers:

Subject: Lindane RPAR
Hi-Yield Lindane Spray
EPA Reg. No. 7401-321
Amendment Dated August 30, 1984

The amendment referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable, provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:
 - a. Either delete the entire section under "Residual Sprays" or delete the words "stable flies and mosquitoes" throughout the labeling. The directions (rate of application) to be consistent with the container size (i.e. 1 1/2 to 2 pints (1 quart) to 10 gallons of water). We are not aware that spot application is an acceptable control treatment for flies and mosquitoes in and around barns.
3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

(Front Panel)

Hi-Yield(R)

ACCEPTED
with COMMENTS
EPA Letter Dated:

JAN 1 1985

Lindane

Under the
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register

7401-321

Spray

- *Kills Ticks, Chiggers, Fleas, Leafhoppers, Hoppers, Bark Beetles, Leaf Miners, Aphids,rips, Cucumber Beetles, Lacebugs, Turpentine Beetles, Roaches, Ants, Sarcoptic Mange, Scab Mites, Lice, Stable Flies, Mosquitoes, & Keds.
- *Kills Insects on Lawns, Shrubs, Flowers, Livestock & In Livestock Quarters.
- *Kills Borers on Fruit & Shade Trees.

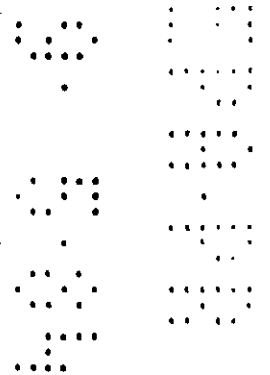
Active Ingredients:

Gama Isomer of Benzene	
Hexachloride from Lindane.....	10.0%
Xylene Range Aromatic Solvent.....	85.0%
Inert Ingredients:.....	5.0%
	<hr/>
	100.0%

Keep out of reach of children

CAUTION

See back panel for additional precautionary statements



DIRECTIONS FOR USE

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

This product is formulated to effectively kill destructive and disease spreading insects in lawns, and on shrubs, trees, flowers and livestock. Kills, Ticks, Chiggers, Fleas, Leafhoppers, Borers, Bark Beetles, Leaf Miners, Aphids, Thrips, Cucumber Beetles, Lacebugs, Turpentine Beetles, Roaches, Ants, Sarcoptic Mange, Scab Mites, Lice, Flies, Mosquitoes, and Keds.

LAWNS

TICKS, CHIGGERS, FLEAS, LEAFHOPPERS: Use 2 pints on 10,000 sq.ft. or 6 table-
spoons on 1,000 sq.ft. in sufficient water for good coverage. Repeat appli-
cation if necessary.

SHADE TREES, ORNAMENTAL SHRUBS & FLOWERS

APHIDS, THRIPS, LEAFMINERS, CUCUMBER BEETLES: On Boxwood, Azaleas, Roses, Chrysanthemum, Larkspur, and other flowers, shrubs and shade trees, use 2 table-
spoonsful to 1 gallon of water.

LACEBUGS: On Azalea, Pyracantha and Rhododendron, use 3 teaspoons to 1 gallon of water. Apply in spring when immature insects first appear and retreat as necessary.

PINE BARK BEETLES, TURPENTINE BEETLES: Use 1 pint in 2½ gallons of water and apply to trunk of pines to a height of 6 feet at the rate of 1 gallon per 50 sq.ft. of bark surface. Apply at first sign of attack and repeat in 3 to 6 months if necessary.

DOGWOOD BORER: Use 2 tablespoons in 1 gallon of water and apply to trunk and lower limbs in May and June before borers enter the trunk. Apply thoroughly, particularly to injured areas and old borer wounds. Repeat applications 2 to 3 times at 10 day intervals.

FRUIT TREES

ROUNDHEADED BORER & FLATHEADED BARK BEETLES: On Apple, Peach and Cherry, use 2 tablespoons in 1 gallon of water. Apply to trunk, crotch to ground. Soak bark to runoff. Apply to bark of trees and large limbs in spring. Do not apply to fruit or foliage. Do not apply within 60 days of harvest.

LIVESTOCK

CAUTION: Do not use on dairy animals. Do not use on emaciated, sick, overheated or lactating animals. Do not use on poultry. Do not treat animals in cold stormy weather. Do not dip animals within 60 days of slaughter. Thoroughly stir dipping
lots before using. If any separation of emulsion occurs, do not use dip.

CATTLE: LICE & TICKS: Use 2½ pints per 100 gallons of water. Thoroughly dip entire animal. SARCOPTIC MANGE AND SCAB MITES - Dip, using 4 pints per 100 gallons of water. Make only 2 applications, 7 days apart. Do not apply to calves under 6 months of age at this dose.

SWINE: LICE & SARCOPTIC MANGE MITES - Use 4 pints per 100 gallons of water and apply as a dip. For mange mites, repeat treatment in 2 weeks if necessary. Do not treat sows within two weeks of farrowing nor at least three weeks thereafter. Do not apply to swine under three months of age.

SHEEP & GOATS: TICKS, KEDS, LICE - Use 2 pints per 100 gallons of water and apply as a dip. Repeat treatment in 2 to 3 weeks if necessary.

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 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.

RESIDUAL SPRAYS

STABLE FLY, MOSQUITOES, ROACHES, ANTS: Inside and outside barns, hogs pens, stables and other buildings, use 3 to 4 pints to 10 gallons of water. Apply to cracks, crevices, and other hiding places. Repeat applications as necessary. Do not apply in milkrooms or poultry houses. Do not contaminate animal feed or water.

STORAGE: Do not store near food or feedstuffs. Do not store near fertilizer, seed, insecticide or fungicide. Store in original container and place in a locked storage area.

PRODUCT DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

CONTAINER DISPOSAL: Do not reuse container. Rinse thoroughly before discarding in trash.

Do not apply by aircraft.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: May be harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling and before eating or smoking. Avoid contamination of feed and food-stuffs. Keep children and pets off treated areas until spray has dried. Applicators must wear the following protective clothing during the application process: long-sleeved shirt, long pants, waterproof gloves, full foot covering, and a head covering. Food utensils such as teaspoons or measuring cups, should not be used for food purposes after use with pesticides.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

STATEMENT OF PRACTICAL TREATMENTS

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 back of throat with finger. 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 - Wash eyes with plenty of water. Call a physician immediately.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Birds and other wildlife feeding on treated areas may be killed. Keep out of lakes, streams and ponds. Do not apply when weather conditions favor drift from treated areas. 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 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.

*Buyer assumes all risks of use, storage or handling of this material not in strict accordance with directions given herewith.

Voluntary Purchasing Groups, Inc., Bonham, Texas 75418

EPA EST. NO. 7401-TX-1

EPA REG. NO. 7461-321

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