

MAR - 2 1989

Mr. Ed Weddle
Tobacco States Chemical Co., Inc.
P.O. Box 12530
Lexington, KY 40583-2530

Dear Mr. Weddle:

Subject: Revised label per Lindane Registration Standard
Tobacco States Brand 20% Lindane Transplanter Solution
EPA Reg. No. 226-68
Your submission dated January 9, 1986

The labeling referred to above, submitted in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act is acceptable provided the following revisions are made prior to release for shipment:

- 1) The Agency does not consider solvents which are present in emulsifiable concentrates, and are diluted before use, to be active ingredients. The percentage of the solvent should be summed into the declared Inert Ingredients. Under the ingredients statement add "Contains xylene."
- 2) In the "hazards to Humans and Domestic Animals" section, add "Harmful if swallowed." as the first sentence [Do not print the quotation marks on your label]. In the last sentence of that same section, the respirator statement should indicate use of an MSIA/NIOSH approved respirator.
- 3) In the "Environmental Hazards", revise "cleaning of equipment or disposal of wastes" to "Disposing of equipment washwaters."
- 4) Relocate "Aerial application of lindane is prohibited." to the beginning of the "Direction For Use", directly after "It is a violation of Federal law ...". Also, add the chemigation prohibition (if appropriate) after the aerial application prohibition.

PM15

226-68

285

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- 5) The full re-entry text, including instructions for oral and written warnings and appropriate first aid, must appear pursuant to PR Notices 83-2 and 84-1. Note that the correct re-entry interval for lindane is 24 hours, not "until sprays have dried".

A stamped copy of the label is enclosed for your records. Please submit five copies of the revised amended label prior to release for shipment under the amended label.

Sincerely yours,

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

Tobacco States
BRAND

NET CONTENTS ONE QUART (.95L)

Panel

14 pt.
type size

RESTRICTED USE PESTICIDE

For retail sale to and use by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

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.

20% LINDANE*

TRANSPLANTER SOLUTION

For Control Of
HORN FLIES, MOSQUITOES, TICKS AND LICE ON ANIMALS, FLIES ON AGRICULTURAL PREMISES
Also For Use In
Transplanting Water for Protection Against Wireworms Attacking
TOBACCO PLANTS

ACTIVE INGREDIENTS:	% BY WT.
Lindane (gamma isomer of benzene hexachloride),	20.00%
Xylene	55.00%
INERT INGREDIENTS	25.00%
TOTAL	100.00%

10 pt.
type size

14 pt.
type size

ACCEPTED
WITH COMMENTS
MAR - 2 1989
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 226-68

KEEP OUT OF REACH OF CHILDREN

CAUTION

Statement of Practical Treatment

IF SWALLOWED: Call a physician or Poison Control Center immediately. Do not induce vomiting unless directed to do so by a physician. Induce vomiting only if instructed to do so by a physician. Do not give anything by mouth to an unconscious or convulsing person. If possible, empty stomach into a container for identification and supervision.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if needed.

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 if irritation persists.

(See Under Back Panel for Additional Precautionary Statements)

EPA REG. NO. 226-68 EPA Est. No. 226-A1-1

- * Front panel will be white with blue lettering, and blue trim.
- * The remaining text will be at least 6 point. (Except product name, and headings will be larger point sizes).

Back Panel

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

CAUTION

Wash thoroughly after using and before eating or smoking. May be absorbed through the skin. Avoid breathing spray mist. Avoid contact with skin. In case of contact, wash immediately with soap and water. Avoid contamination of feed and foodstuffs. Do not use on household pets and humans. Harmful if swallowed. 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 faceshield, waterproof gloves and a waterproof apron. Applicators working in enclosed areas, such as crawl spaces, must wear a respirator approved by OSHA.

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.

This pesticide is highly toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

PHYSICAL OR CHEMICAL HAZARDS

Extremely flammable! Keep away from fire, sparks, and heated surfaces. Flash point is below 50°F. Protect from temperature below 25°F. DO NOT USE, POUR, SPILL, OR STORE NEAR HEAT OR OPEN FLAME.

STORAGE & DISPOSAL ←

STORAGE: Do not store in areas of extreme heat or cold. Protect from moisture or extreme humidity.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or 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. 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.

10pt.
type size

TOBACCO STATES CHEMICAL CO. INC. LEXINGTON, KENTUCKY

Back panel will be yellow with blue lettering and blue trim.

PM 11-5

26-68

5/55
Under
Front
Panel

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

Do not enter treated area without protective clothing until sprays have dried. 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 unprotected persons.

TOBACCO — Wireworms: Use 1 to 2 fluid ounces in 50 gallons of transplanting water, depending on the type of soil. Apply at the rate of 1/2 pint to the plant or about 200 to 250 gallons of this mixture to the acre. This establishes a zone of protection around the roots of the newly set plants allowing them to become well established. Note: Do not apply this product to crops in rotation with root crops and peanuts.

Do not plant any food or feed crop in rotation after a field treatment with lindane unless it is a registered use for lindane.

LIVESTOCK APPLICATIONS — (Equivalents: 3 Teaspoonful equal 1 tablespoon; 2 Tablespoons equal 1 fluid ounce.) NOTE: Be sure finished sprays of Lindane are thoroughly mixed at the time of application. This is important in order to avoid animal injury and to assure uniform effectiveness. Do not apply exaggerated dosages. Repeat applications only as often as necessary. Do not treat animals under 3 months of age. Spray or dip applications to young animals (over 3 months of age) should be limited to 3% level.

Do not treat sows within two weeks of farrowing or at least three weeks thereafter. Avoid treating animals in cold, stormy weather. Avoid treating overheated or sick animals. Do not spray animals within 30 days of slaughter. Do not dip animals within 60 days of slaughter. Do not use on dairy animals. Aerial application of lindane is prohibited.

BEEF CATTLE AND HOGS — For control of TICKS, LICE, HORN FLY, STABLE FLY, MOSQUITOES: Use 2 tsp. of 20% Lindane per gal. of water, treating the entire animal and infested areas for insect control. For STABLE FLY, this treatment is only supplementary and should be accompanied by the treatment for FARM BUILDINGS AND BARNs housing these animals.

SHEEP AND GOATS: Treat in fall of year for sheep ticks or sarcoptic mange. Mix 2 tsp. of 20% Lindane per gal. of water, applying 2 gallons of mixture per adult animal at about 400 lbs. pressure. Do not spray on animals within 30 days of slaughter. Do not use on dairy goats.

For a dip to control lice and sheep ticks use one ounce per 5 gal. water. Keep the vat agitated at all times, completely submerge the animal's body including the head at least twice. Do not dip overheated animals. Always water animals before dipping so they won't drink the dipping solution. Do not dip animals within 60 days of slaughter.

FOR RESIDUAL FLY CONTROL ON AGRICULTURAL PREMISES SUCH AS Barns, Sheds, and Animal Shelters, fences (Excluding dairy barns or in poultry houses) — House Fly and Stable Fly: Mix 9 1/2 fl. oz. per 5 gal. water. Applying at the rate of one gallon of spray per 500 sq. ft. thoroughly wetting all surfaces to point of run-off. Protect all feed, feed troughs before spraying. Remove animals from barn. Repeat as required.

NOTE: Do not use treated manure on lands where root crops are to be planted.

WARRANTY STATEMENT

Tobacco States MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESS OR IMPLIED, concerning this product or its use which extend beyond the statements of this label.