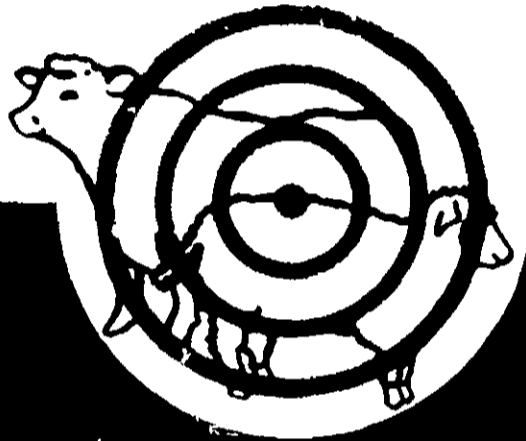


RESTRICTED USE PESTICIDE

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

DUO-TOX E.C.
INSECTICIDE

FOR SCABIES CONTROL ON BEEF CATTLE AND SHEEP



Approved
with...
in...

Under...
Europe...
as...
registered under...

ACTIVE INGREDIENTS:

Toxaphene (Technical chlorinated camphene 67-69% chlorine) 45.00%
Lindane (gamma isomer of benzene hexachloride) 2.00%
Petroleum distillate 35.98%

INERT INGREDIENTS: 17.02%

TOTAL 100.00%

* Duo-Tox is a registered trademark of Nopline Agricultural Chemical Co.
EPA Reg. No. 2393-400

EPA Est. No. 2393-IL-3, 2393-WI-1, 523-IL-1, 2393-WI-2, 33809-MO-1
Superscript refers to first letter of lot number.

**KEEP OUT OF REACH OF CHILDREN
WARNING**

See Other Panels for Statement of Practical Treatment and Precautionary Statements

NET CONTENTS

2 1/2 GALLONS

STATEMENT OF PRACTICAL TREATMENTS

IF ON SKIN: Wash contaminated skin with soap and water.
IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.
IF SWALLOWED: Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE VOMITING unless other treatment is not available. Vomiting may cause aspiration pneumonia. If it is necessary to induce vomiting, give victim 1 or 2 glasses of water and insert finger in back of throat. Repeat until vomit fluid is clear. Do NOT induce vomiting or give anything by mouth to an unconscious person.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed, inhaled or absorbed through skin or eyes. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. Applicators must wear boots, extended impermeable gloves, head covering, aprons, long pants, long-sleeved shirts, and respirators. Full-face respirators are recommended; half-face respirators are required. In lieu of compliance with the protective measures required for applicators, users may use closed systems methods of mixing, loading and handling. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11. Wear goggles. Do not leave in eyes, on skin or clothing. Avoid contamination of feed and foodstuffs. Keep out of reach of children and domestic animals.

ENVIRONMENTAL HAZARD

This product is toxic to fish, birds and other wildlife. Use of this product may be fatal to birds and other wildlife in treated areas. Do not spray over lakes, streams, ponds, tidal marshes and estuaries. 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. Overspray of this product into water at application rates recommended on this label may be fatal to shrimp and crab, do not apply where these are important resources. Apply this product only as specified on the label.

PHYSICAL OR CHEMICAL HAZARDS

Do not use 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 the label.

(Directions for use continued on back panel)

(Directions for Use continued)

STORAGE AND DISPOSAL

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

Storage: Do not store near heat or open flame. Do not store below 32°F.

Pesticide Disposal: Pesticide wastes are acutely hazardous. 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 offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PRECAUTIONS IN USE

Do not use on dairy cattle, or inside dairy barns or around feed or forage. Do not dip within 60 days of slaughter.

Do not treat animals less than 3 months old. Avoid treating animals in cold stormy weather or if sick or overheated. Follow directions explicitly. Make sure you have a perfect mixture. If oily layer or particles form do not apply to animals.

SCABIES ON BEEF CATTLE OR SHEEP: Dip exposed or infected animals in Duo-Tox E.C. vat solutions or by using a spray-dip machine. When using a dipping vat immerse animals at least 1/2 minute, ducking heads at least twice. Solution should be checked frequently at vatside to assure proper dipping strength. Do not dip meat animals less than 60 days before slaughter. Use a dilution of 1 gallon of Duo-Tox to 75 gallons of water. Repeated applications at 1-3 week intervals may be required. If used in U.S.D.A. quarantine areas follow recommendations given in quarantine manuals. Clean out entire vat when solution becomes filthy.

DISPOSAL OF SPENT CATTLE AND SHEEP DIPS THAT CONTAIN TOXAPHENE

Used cattle and sheep dip solutions that are intended for disposal must be treated in the manner described below. Treatment in any other manner may result in a violation of Federal and/or State Law.

NOTE

Spent cattle dips may **NOT** be

- Applied to rangeland or any other area where cattle may graze within one (1) year of application unless the dip is plowed or disked into the soil
- Added to other chemical wastes and disposed of according to the following provisions.
- Applied to any given area at a rate that exceeds 3 pounds actual toxaphene per acre every six (6) months. This quantity is equivalent to 60 gallons of a 0.6% solution.

The spent cattle dip solution must be applied only to land areas set aside and dedicated to disposal of cattle dip solutions, or to crop lands where corn, small grains, cotton, sorghum and/or soybeans are grown. If these crop areas are not available, the dips may be disposed of on rangeland provided livestock do not graze the area at any time during the period of time the material is being applied and for a period of one (1) year following the last application unless the dip is plowed or disked into the soil immediately after application. The dip solutions may be applied directly or mixed with manure and then applied at a consistent rate so that the material is spread evenly over the designated disposal area. In either case, the 3 pounds of active ingredient toxaphene per acre rate over a 6 month period must not be exceeded.

MIXING RATES OF TOXAPHENE AND MANURE TO CONFORM TO NORMAL MANURE APPLICATION RATES

Toxaphene Application Rate Lbs./acre	Manure Application Rate Tons/acre	Toxaphene/Manure Ratio Gallons/acre
3	25	24
3	5	12
3	10	6
3	20	3
3	30	2

Plowing or disking the material into the ground is desirable. Plowing would minimize the possibility of run-off water or wind carrying soil particles that may contain toxaphene into creeks or ponds.

Since toxaphene is extremely toxic to fish and/or dangerous in land-spreading the spent toxaphene dips is a surface run-off water carrying toxaphene bearing particulate matter into surface water. Therefore it is necessary that the following criteria for selection of the disposal site be observed:

1. Flow of water onto the site should be controlled. If this is a potential problem, a system should be designed, constructed and operated that is capable of preventing flow onto the disposal area during peak discharge from at least a 25 year storm.

(Directions for Use continued on side panel)

(Directions for Use continued)

2. The site should be selected so that surface run-off will be held to a minimum. Soil loss to surface erosion should not exceed 5 tons per year estimated by using the "Universal Soil Loss Equation" (USLE) or should not exceed the soil loss tolerance factor ("T" factor) whichever is less. Technical assistance in making this determination may be obtained from the USDA/SCS. In addition, the soil textures above the water table should be finer than loamy sand.
3. The owner or operator should design, construct, operate, and maintain a containment system that will prevent or minimize loss of surface materials from the site. (Unless the site is selected to meet criteria for minimum run-off or soil erosion.) The system should be maintained during the period that the site is used for disposal of toxaphene dips and for a period of at least 1 year following the last application.
4. If the disposal area is subject to wind dispersal of particulate matter, sound land management procedures should be instituted to control such erosion.
5. During the first year of use, each disposal site must be inspected monthly and after storms to be sure that surface erosion is not taking place.
6. The entire disposal area, except for plowed or disked rangeland, must be fenced or otherwise secured to prevent entry and grazing by cattle during the time the area is being used as a disposal site for spent cattle dips and for a period of one (1) year after the last application of spent dip.
7. Food crops, other than corn, small grains, cotton, sorghum, and soybeans may not be grown on the disposal area. Cattle may not feed on or be fed corn ensilage or stover, forage or vines from these crops.
8. Should a disposal site be sold, or otherwise undergo a transfer of ownership during disposal operations, or within one (1) year of the last application of spent cattle dip, the new owner must be notified of the potential presence of toxaphene and the responsibilities attached.

All users are subject to the above described disposal requirements. In addition, users not exempted from the requirements of subpart C of the Resource Conservation and Recovery Act (RCRA) are subject to the additional requirements of that act. Users may select alternative disposal means so long as the alternative means fully comply with the requirements of the RCRA.

NOTICE

Seller's guarantee shall be limited to the terms of the label and subject hereto the buyer assumes any risk to persons or property arising out of use of handling and accepts the product on these conditions.





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

Handwritten: 37/1

2 MAR 1984

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

Ms. Judith A. Thompson
Hopkins Agricultural Chemical Co.
P.O. Box 7532
Madison, WI 53707

Dear Ms. Thompson:

Handwritten: sec/118/116
17/5

Subject: Lindane RPAR
Hopkins Duo-Tox Emulsifiable Concentrate Insecticide
EPA Reg. 2393-400
Appl. Date: November 29, 1983

The labeling referred to above submitted in connection with your application for amended registration, under the Federal Insecticide, Fungicide and Rodenticide Act is acceptable and a stamped copy is enclosed for your records.

At the next label printing, change "ENVIRONMENTAL HAZARD" to "ENVIRONMENTAL HAZARDS". (Underscore added to indicate revision; please do not reproduce on the label.)

Sincerely yours,

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

Enclosure