



12/5

RESTRICTED USE PESTICIDE (18 pt.)

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

KILL-KO (R)

ACCEPTED with COMMENTS in EPA Letter Dated:

For Scabies Control on Beef Cattle and Sheep

STOCK SPRAY

APR 25 1984

AND DIP

Under the... as amended... registered under EPA...

70-86

ACTIVE INGREDIENTS:

Toxaphene*	45.00%
Gamma Isomer of benzene hexachloride (from Lindane)	1.00%
Naphtha (Heavy Aromatic Naphtha)	29.50%
Petroleum Distillate	6.00%
Xylene	5.00%

INERT INGREDIENTS:	13.50%
TOTAL	100.00%

*Technical chlorinated camphene (chlorine content 67-69%)

Contains 4.5 lbs. Toxaphene per gallon.

KEEP OUT OF REACH OF CHILDREN (12 pt.)

WARNING (18 pt.)

See back panel for additional precautionary statements.

EPA Reg. No. 70-86
EPA Est. No. 70-KY-1

NET CONTENTS
ONE QUART

Manufactured by

RIGO COMPANY

BUCKNER, KENTUCKY 40010

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

May be fatal if swallowed! Poisonous by skin contact and inhalation. Do not get on skin, in eyes, or on clothing. Do not breathe spray mist. Wash thoroughly after using. Wash all contaminated clothing before reuse. During application, keep unprotected persons away from areas being treated or where there may be drift. Do not contaminate feed or foodstuffs. Applicators must wear boots, extended impermeable gloves, head covering, aprons, long pants, long-sleeved shirts, and respirators.

ENVIRONMENTAL HAZARDS

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 may be fatal to shrimp and crab; do not apply where these are important resources. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on plants. Protective information may be obtained from your Cooperative Agricultural Extension Service.

PHYSICAL OR CHEMICAL HAZARDS

Do Not Use, Pour, or Store Near Heat or Open Flame.

In case of spillage, use absorbent clay, hydrated lime, or other solids to soak up any liquid. Wash area with strong detergent and hot water.

DIRECTIONS FOR USE

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

This product may be used only to treat scabies on beef cattle or sheep. Application may be made only by dipping exposed or infected beef cattle or sheep in vat solutions or by using a spray-dip machine.

MIXING INSTRUCTIONS: Add Kill-Ko Stock Spray and Dip to required amount of water in accordance with the following dilutions:

- 1 quart in 22½ gallons of water
- 1 gallon in 90 gallons of water

To replenish dipping vats, add Kill-Ko Stock Spray and Dip, according to above dilution, for all fresh water added to vat.

Agitate or stir mixture thoroughly before each use.

See Precautionary Statements above for applicators' required protective clothing.

Dip or Spray: When dipping make sure the animal is held in vat at least two minutes and submerge each animal twice during dipping. When spraying use about 3 quarts solution for each beef animal and proportionately less for smaller animals, including sheep. If reinfestations occur repeat application in 3 weeks for control.

NOTE: Do not apply to dairy animals or small animals under 6 months of age. Do not treat meat animals within 28 days of slaughter.

STORAGE AND DISPOSAL (12 pt.)

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

Pesticide Disposal: 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 range land 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	Manure Application Rate	Toxaphene/Manure Ratio
Lbs/acre	tons/acre	Gallons/Acre
3	2.5	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, a major danger in land-spreading the spent toxaphene dips is 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.
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) which ever 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.

Container Disposal: Triple rinse (or equivalent) and offer for recycling or reconditioning, or dispose of in a sanitary landfill, or by other approved State or local procedures.

NOTICE: Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on this label. Buyer assumes all risk of use and/or handling when such use and/or handling is contrary to label instructions.

435/111652
37/1

300/118904
17/3



85-111

Rigo Company
P.O. Box 89
Euckner, KY 40010

Attention: James T. Gregory

Gentlemen:

Subject: Amendment - Comply with Lindane Intent to Cancel
Kill-Ko Stock Spray and Dip
EPA Registration No. 70-86
Your Application Dated November 28, 1983

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

A Statement of Practical Treatment must be added to the labeling. We suggest the following statement; however, if your toxicological data suggest otherwise, please submit a draft Statement of Practical Treatment for prior approval:

- 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 the back of throat with a finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing 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 - Flush eyes with plenty of water. Call a physician immediately.

CONCURRENCES							
SYMBOL ▶							
SURNAME ▶	T. Farrelly						
DATE ▶	4/25/87						

EPA Form 1320-1 (4-81) OFFICIAL FILE COPY

70 86

-2-

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 4, 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-767)

Enclosure

RD/IRB:DCR-28623:G.T.LaRocca:KIM:4/23/84:Paven:557-2226:RD-55:Del.5/5/84

BEST DOCUMENT AVAILABLE