

RESTRICTED USE PESTICIDE

For retail sale to and application only by certified applicators or persons under their direct supervision.

STARBAR®

CATTLE & SHEEP DIP

(Contains Malathion and Toxaphene)

FOR SCABIES CONTROL ON BEEF CATTLE AND SHEEP

ACTIVE INGREDIENTS:

Toxaphene (Technical Chlorinated Camphene, 67%-69% Chlorine).....	43.0%
Malathion (0,0-dimethyl phosphorodithioate of diethyl mercaptosuccinate).....	4.3%
Petroleum Distillate.....	42.7%
INERT INGREDIENTS.....	10.0%
	100.0%

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KEEP OUT OF REACH OF CHILDREN

WARNING

See back panel for additional precautionary statements

CONTENTS:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - WARNING: May be fatal if swallowed. Do not breathe spray mist. Do not get in eyes, on skin or clothing. Wash thoroughly. Applicators must wear boots, extended impermeable gloves, head covering, aprons, long pants, long-sleeved shirts, safety goggles and respirators. Malathion is a cholinesterase inhibitor. Do not use this product simultaneously with other drugs, insecticides, pesticides or chemicals having cholinesterase inhibiting activity or within a few days before or after treatment with any other cholinesterase inhibitor. Avoid contamination of feed and foodstuffs. Do not use on dogs, cats or other household pets or around fish. Do not treat animals under 3 months of age. If young animals are to be dipped, individual dipping is recommended to avoid the possible swallowing of the dipping solution by the animals. **CAUTION:** As a general precaution in spraying animals, avoid treating overheated or sick animals; water animals before dipping to prevent them from drinking the dip. If calves must be treated, spray with a minimum amount of material.

STATEMENT OF PRACTICAL TREATMENT: If swallowed, call physician or Poison Control Center immediately. Do not induce vomiting. Note to Physician: May present aspiration hazard. Atropine should be administered only if symptoms of cholinesterase inhibition appear. If inhaled, remove victim to fresh air. Apply artificial respiration if indicated. If on skin, wash immediately with soap and water. If in eyes, flush with plenty of water. Call a physician immediately.

ENVIRONMENTAL HAZARDS: This product is toxic to fish, birds and other wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

PHYSICAL 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 its label.

Do not apply to dairy animals. Do not use in poultry houses or on poultry. Do not use on animals within 15 days of slaughter.

On Beef Cattle: Mix 1 gal. Starbar with 50 gals. water and stir well to form a creamy emulsion. Apply to animals as a dip or with a spray-dip machine. Be sure not to overdose young animals. One thorough treatment is usually sufficient. Apply second treatment in 10 days if needed.

On Sheep: Mix 1 gal. Starbar with 50 gals. water. Apply to animals as a dip or with a spray-dip machine. One thorough treatment is usually sufficient. Apply second treatment in 10 days if needed.

STARBAR MIXING TABLE

Amount of Starbar	Gallons of water
1 quart	50 gal.
1 gallon	50 gal.

STORAGE & DISPOSAL

Do not contaminate water, food or feed by storage or 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 MINIMAL 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 disked 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_s factor) whichever is less. Technical assistance in making this determination may be obtained from the USDA/US. In addition, the soil features 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

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Mr. D. L. Emlay
Zoecon Industries
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Dallas, TX 75234

MAR 31 5

Dear Mr. Emlay:

Subject: Toxaphene Cancellation Notice
Starbar Cattle & Sheep Dip
EPA Registration No. 2724-157
Application Dated March 1, 1983

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A), 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. Revise your Restricted Use Pesticide Statement to read as follows:

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.

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 label is enclosed for your records.

Sincerely yours,

Jay S. Ellenberger
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure

RD:JELLENBERGER:DCR-28901:WANG-3377C:bjg:Raven:479-2013:3/28/83

REFERENCES							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							

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