

RESTRICTED USE PESTICIDE

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

STARBAR® LINTOX®-X

(contains Toxaphene)

FOR SCABIES CONTROL ON BEEF CATTLE AND SHEEP

ACCEPTED AS A "PERMITTED DIP" BY THE U.S.*

ACTIVE INGREDIENT:

Toxaphene (Technical chlorinated
Camphene, 67%-69% chlorine)..... 61.0%
Petroleum Distillate..... 26.5%
INERT INGREDIENTS:..... 12.5%

KEEP OUT OF REACH OF CHILDREN

WARNING

See back panel for additional warnings

See back panel for additional precautionary statements

CONTENTS:

*VETERINARY SERVICES OF A.P.H.I.S., U.S.D.A.

BEST DOCUMENT AVAILABLE

PRECAUTIONARY STATEMENTS

HAZAROUS TO HUMANS AND DOMESTIC ANIMALS - WARNING: May be fatal if swallowed. Do not breathe spray mist. Do not get into 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 a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30CFR Part 11. Avoid contamination of feed and foodstuffs. Do not use around poultry, dogs, cats, or other household pets or fish. As a general precaution in spraying and dipping animals, avoid treating during cold, stormy weather; 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. Do not use on calves under three months of age.

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. 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 HAZARD: 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 labeling.

Do not apply to dairy animals. Do not use on beef cattle or sheep within 28 days of slaughter.

On Beef Cattle: To control scabies mix 1 gal. & 1 pt. Lintox-X with 150 gals. water and stir well to form a creamy emulsion. Apply to animals as a dip or with a spray-dip machine. Do not treat animals under three months of age. Usually one application is sufficient but a second treatment may be needed in 10 to 14 days.

On Sheep: To control scabies dilute 1 gal. & 1 pt. Lintox-X with 150 gals. water. Apply to animals as a dip or with a spray-dip machine.

In Spray-Dip Machines: Dilute Lintox-X as directed. Follow manufacturer's directions for operation of machine. Tests indicate that recycling Lintox-X emulsions does not cause it to lose strength.

In Dipping Vats: Use Lintox-X in dipping vats at the dilution given in the directions. Always stir well just before using and following each replenishment. Water animals before dipping to prevent them from drinking dip solution. Methods used for determining the dipping vat concentration of toxaphene emulsions may be used with Lintox-X. Do not dip calves or kids under 3 months of age.

OFFICIAL U.S. DIPPING PROCEDURE - Charging the Dipping Vat For Cattle And Sheep: The initial charge is made by mixing 1 gal. and 1 pt. Lintox-X with each 150 gals. water required to fill the vat. Always stir dip solution well before starting dipping operation and following each replenishment. For successful vat management in absence of vat side tests, care must be taken to insure accurate measurement of water and chemicals. Steps should be taken

to prevent rain and surface water from draining in vat. Toxaphene Supplement to Division Memorandum No. 6.1 to latest information.

Replenishment for Cattle: During cattle dipping operation, each time the bath volume is reduced by 1/8 of its initial volume, replenish the bath by adding 1 gal. Lintox-X for each 100 gals. water required to restore the bath to its initial volume.

Replenishment for Sheep: During sheep dipping operation, each time the vat's volume is reduced by 1/8 of its initial volume, replenish the bath by adding 1 gal. and 1 qt. Lintox-X for each 100 gals. water required to restore the bath to its initial volume.

For official U.S. quarantine dipping, continue dipping and repeat replenishment procedure each time dip volume is reduced by 1/8 of its initial volume. Replenishment can be made at any time before the bath level is reduced by 1/8 of its initial volume, but level should never be allowed to fall below the replenishment mark. Vat should be emptied, cleaned and recharged each time: (a) The number of animals dipped equals the number of gallons of the initial bath volume, (b) when the dip becomes too foul for satisfactory use, or (c) when the vat has been charged for 60 days, whichever comes first.

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 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 disked the material into the ground is

destrabl
run-off
contain

Since to
in land
run-off
into sur
followin
observed

1. Flo
the
des
pre
dis

2. The
wil
ero:
ustl
sho
fac:
mak
USD:
wat:

3. The
ope
pre
sit:
for
sho
is
per
app

4. If
par:
sho
Dur
be
sur:
6. The
ran
pre:
the
cat:
last

7. For
sori
are:
or:
8. Sho
trar
wit:
catt
pote
ress

All user
require
require
Recovery
require
disposal
comply w/

Container
equivalen
puncture
approved
Triple ri
landfill.

Zoecon In
12200 Den
Dallas, T

A Divisio

PRECAUTIONARY STATEMENTS

HUMANS AND DOMESTIC ANIMALS - WARNING: May be harmful. Do not breathe spray mist. Do not get on skin or clothing. Wash thoroughly. Do not wear boots, extended impermeable gloves, aprons, long pants, long-sleeved shirts, and a pesticide respirator jointly approved by the Occupational Safety and Health Administration (U.S. Bureau of Mines) and by the National Occupational Safety and Health under the OSHA Part 11. Avoid contamination of feed. Do not use around poultry, dogs, cats, or other pets or fish. As a general precaution in dipping animals, avoid treating during cold, flu, or other respiratory ailments; avoid treating overheated or sick animals; before dipping to prevent them from drinking water, spray with a minimum amount of water. Do not use on calves under three months of age.

PRACTICAL TREATMENT: If swallowed, Call Poison Control Center immediately. Do not induce vomiting. Note to Physician: May present as atropine. Atropine should be administered only if anticholinergic inhibition appears. If inhaled, to fresh air. Apply artificial respiration if on skin, wash immediately with soap and water. Flush with plenty of water. Call a doctor immediately.

HAZARDS: This product is toxic to fish, birds, and wildlife. Do not apply directly to water. Rinse equipment by cleaning of equipment or hoses. Apply this product only as specified on label.

WARNING: Do not use or store near heat or open flame.

USE - It is a violation of Federal law to use in a manner inconsistent with its labeling. Do not use on dairy animals. Do not use on beef cattle under 28 days of slaughter.

Directions: To control Scabies mix 1 gal. & 1 pt. 150 gals. water and stir well to form emulsion. Apply to animals as a dip or with a sprayer. Do not treat animals under three months of age. Only one application is sufficient but a second may be needed in 10 to 14 days.

Directions: To control Scabies dilute 1 gal. & 1 pt. 150 gals. water. Apply to animals as a dip or with a sprayer.

Machines: Dilute Lintox-X as directed. Follow manufacturer's directions for operation of machine. Do not recycle Lintox-X emulsions does not lose strength.

Directions: Use Lintox-X in dipping vats at the directions. Always stir well just before dipping and following each replenishment. Water is added to prevent them from drinking dip methods used for determining the dipping vat volume of toxaphene emulsions may be used with water dip calves or kids under 3 months of age.

DIPPING PROCEDURE - Charging the Dipping Vat for Sheep: The initial charge is made by mixing 1 qt. Lintox-X with each 150 gals. water in the vat. Always stir dip solution well before dipping operation and following each replenishment. For successful vat management in absence of water, care must be taken to insure accurate water and chemicals. Steps should be taken

to prevent rain and surface water from draining into vat. Lintox-X Toxaphene Supplement to Division Memorandum No. 6.1 for latest information.

Replenishment for Cattle: During cattle dipping operation, each time the bath volume is reduced by 1/8 of its initial volume, replenish the bath by adding 1 gal. Lintox-X for each 100 gals. water required to restore the bath to its initial volume.

Replenishment for Sheep: During sheep dipping operation, each time the vat's volume is reduced by 1/8 of its initial volume, replenish the bath by adding 1 gal. and 1 qt. Lintox-X for each 100 gals. water required to restore the bath to its initial volume.

For official U.S. quarantine dipping, continue dipping and repeat replenishment procedure each time dip volume is reduced by 1/8 of its initial volume. Replenishment can be made at any time before the bath level is reduced by 1/8 of its initial volume, but level should never be allowed to fall below the replenishment mark. Vat should be emptied, cleaned and recharged each time: (a) The number of animals dipped equals the number of gallons of the initial bath volume, (b) when the dip becomes too foul for satisfactory use, or (c) when the vat has been charged for 60 days, whichever comes first.

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 one (1) year following the last application 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 MAXIMAL 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 diskng the material into the ground is

desirable. Flowing 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) 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 erosion 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.

Container Disposal - (Metal container) Triple rinse (or equivalent) then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures. (Glass container) Triple rinse (or equivalent) and dispose of in a sanitary landfill, or by other approved state and local procedures.

Zoecon Industries
12200 Denton Drive
Dallas, Texas 75234
A Division of Zoecon Corp.

EPA Reg. No. 2724-52
EPA Est. 2724-TR-1
c 1962 Zoecon
Made in USA
ZDS-B-3374A

Mr. D. L. Emlay
Zoecon Industries
12200 Denton Drive
Dallas, TX 75234

MAR 31 3

Dear Mr. Emlay:

Subject: Toxaphene Cancellation Notice
Starbar Lintox - X
EPA Registration No. 2724-52
Application Dated March 1, 1983

The amendment referred to above, submitted in connection with registration under PIFRA 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 PIFRA 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 PIFRA 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:bje:Raven:479-2013:3/28/83

BEST DOCUMENT AVAILABLE

LONG TERM							
SYMBOL ▶							
SURNAME ▶							
DATE ▶							