

WHEAT, BARLEY, OATS AND RYE — To control armyworms and grasshoppers, apply 1 quart (1.5 lbs. toxaphene) in the amount of water required for uniform thorough spraying of 1 acre. To control cutworms, apply 4 pints (3.0 lbs. toxaphene) in the amount of water required for good coverage of 1 acre. Apply when insects first appear and repeat in about 14 days if needed.

Do not apply more than once after heads have begun to form. Do not apply to wheat, oats and rye within 1 week of harvest. Do not apply in barley within 2 weeks of harvest.

DO NOT FEED TREATED FORAGE TO LIVESTOCK OR POULTRY. STRAW FROM TREATED FIELD SHOULD NOT BE SOLD COMMERCIALY OR BE USED IN FEEDING.

SUNFLOWERS — To control sunflower beetle and painted lady (variable susceptibility) caterpillars, apply 2 to 2.5 pints (1.5 to 1.8 lbs. toxaphene) in the amount of water required for uniform thorough spraying of 1 acre. To control cutworms and grasshoppers, apply 2-2.5 pints (1.5 to 1.8 lbs. toxaphene) in the amount of water required for uniform thorough spraying of 1 acre. Do not apply after yellow ray petals have formed on the flower heads. Do not apply to or graze livestock on treated sunflower plants. Do not apply more than 2 times per growing season.

LIVESTOCK USE

The concentrate should be diluted with water as directed below for application as a spray or mixed with kerosene and used in rubbing devices for beef cattle.

DO NOT APPLY TO MILK GOATS OR DAIRY CATTLE TO ANY ANIMALS LESS THAN 3 MONTHS OF AGE, TO LAMBS OR EMACIATED ANIMALS, TO MEAT ANIMALS WITHIN 4 WEEKS OF SLAUGHTER, THIS PRODUCT NOT FOR USE IN DIPPING VATS; MAINTAIN AGITATION WHEN SPRAYING.

HOGS

LICE — To use as a spray, mix 1 quart in 35 gallons of water (0.5% toxaphene, by weight) and apply as a complete coverage spray.

EARCROTIC MANGE MITES — To use as a spray, mix 1 quart in 35 gallons of water (0.5% toxaphene, by weight) and apply as a complete coverage spray. Repeat treatment at weekly intervals for 2 or more applications as needed.

DILUTION RATE FOR SMALL APPLICATION EQUIPMENT

1 quart to 35 gallons equivalent to (5-1/2 teaspoons to 1 gallon).

BEEF CATTLE

MORN FLIES, LICE AND TICKS — To apply as a spray, use 1 quart mixed in 35 gallons of water (0.5% toxaphene, by weight) and apply as a complete coverage spray. For horn flies, repeat spray application at 7 to 10 day intervals, or as needed. For lice and ticks, repeat treatments after 2 to 3 weeks if needed.

To apply in back rubber devices to gain control of horn flies, use 1 part of the concentrate mixed in 11 parts of kerosene (5% toxaphene), e.g. 1 pint in 1-3/4 gallon of kerosene, and apply this mixture to saturate fabric covering back rubber device or to fill storage tank of machine applicator. Observe back rubber device frequently and re-treat it every 2 to 3 weeks or as needed. The back rubber device should be continuously and regularly accreted to beef cattle. Preferably it should be installed in gateways, entrances or immediately from the gate to water or feed, so cattle will rub against it in going from one area to another.

PROTOPIC AND CHRONOTIC MANGE MITES (SCABIES) — Use 1 quart to each 35 gallons of water (0.5% toxaphene, by weight) and spray each animal thoroughly. Complete coverage is essential. Treatment should be repeated in 7 to 12 days.

SHEEP AND GOATS

LICE, KEDS (SHEEP TICKS), AND TICKS — To use as a spray, mix 1 quart in 35 gallons of water (0.5% toxaphene, by weight) and apply as a complete coverage spray.

STORAGE AND DISPOSAL

Not for use or storage in or around the home environment. Do not contaminate water, food or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide, dirty mixture or residue that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

CONTAINER DISPOSAL: Triple rinse (or equivalent) and dispose of in a sanitary landfill or by other approved State and local procedures.

NOTICE

Use only for the purposes and in compliance with the limitations, cautions or warnings stated in this label.

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TOXAPHENE

EMULSIFIABLE CONCENTRATE

KEEP OUT OF REACH OF CHILDREN

WARNING

See label for complete directions and precautions.

ACTIVE INGREDIENTS	60.0%
Petroleum Distillates	35.5%
INERT INGREDIENTS	4.5%

Net Weight 10.00 lbs. (4.54 kg.)

CO-OP

UNIVERSITY MICROFILMS

PRECAUTIONARY HAZARDS TO HUMANS AND DOMESTIC ANIMALS

May be fatal if swallowed. Do not breathe spray. Wash thoroughly after using. Wash all contaminated clothing before reuse. Keep children and pets away from treated areas until dry.

STATEMENT OF PRACTICE

It is recommended that one or two glasses of water be drunk. Do not induce vomiting or give anything by mouth. See "First Aid" below. If not indicated, if an animal has been contaminated, wash with water for at least 15 minutes. Call a veterinarian.

OFFICIAL'S NOTE: Toxaphene produces carbamyl acid derivatives. Prevent or control carbamyl acid.

If the carbamate can be given before convulsions, since toxaphene has a fairly long duration of action, may be used after initial control of convulsions. It is which was prepared by the U.S. Department of Agriculture, Communicable Disease Center, Atlanta, Georgia.

ENVIRONMENTAL

This product is toxic to fish and other wildlife. It should not be applied when bees are active. Conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal.

PHYSICAL OR CHEMICAL

DO NOT USE, POUR OR SPILL

DIRECTION

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

This product must be diluted or mixed with water before use. The quantity of water should be as large as possible. Concentrate into known volume of water in spray. After mixing, re-spray thoroughly before use.

BOYFANS — To control all types of caterpillars, use as a spray, mix 1 quart in 35 gallons of water (0.5% toxaphene, by weight) and apply as a complete coverage spray. Repeat treatment at weekly intervals for 2 or more applications as needed.

DO NOT APPLY WITHIN 21 DAYS OF HARVEST. IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT ON OR IN OR AROUND THE HOME ENVIRONMENT.

CORN (Onion for 4000 only) — To control corn earworms, mix 1 quart in 35 gallons of water (0.5% toxaphene, by weight) and apply as a complete coverage spray. Repeat treatment at weekly intervals for 2 or more applications as needed.

DO NOT FEED ON GRASS, FORAGE, FODDER, OR OTHER FEEDSTUFFS AS CAUSING TOXICITY TO LIVESTOCK.

CORN (Onion for 4000 only) — To control corn earworms, mix 1 quart in 35 gallons of water (0.5% toxaphene, by weight) and apply as a complete coverage spray. Repeat treatment at weekly intervals for 2 or more applications as needed.

Figure 1

UNIVERSITY MICROFILMS
SERIALS ACQUISITION
300 N ZEEB RD
ANN ARBOR MI 48106

001 0 1202

Mr. D. G. Williams
Universal Corporation, Inc.
3001 Metro Drive
Suite 500
P.O. Box 400
Minneapolis, MN 55400

Dear Mr. Williams:

Subject: Temphene Emulsifiable Concentrate
EPA Registration No. 1386-34
Your Application of August 20, 1982

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

Sincerely yours,

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

Enclosure

TS-767:Ellenberger:DCR-24757:WANG-0461C:hk:Raven:479-2013: 9/30/82