

Best Available  
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3125-148

04/04/1972

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T-901  
Ref. 2

Base Pre-Reg. (1502)

U.S. LABEL

Reason to Issue: To establish a tolerance in or on rice, and add the recommendation for mosquito control in rice. 9/13/71 draft to limit use in rice fields to California. 10/12/71 draft to correct dosage in rice.

Date of Draft: 10/12/71 (Pre-Reg.) (S)  
Supersedes Pre-Reg. Drafts Dated: 7/22/70, 2/16/71 & 9/13/71  
Product Nos.: 110612 - 5 Gal. (52 lbs.)  
110613 - 30 Gal. (312 lbs.)

EPA Reg. No. 3125-148

(R)

BAYTEX

LIQUID CONCENTRATE

INSECTICIDE

FOR EFFECTIVE CONTROL OF MOSQUITOES AND FLIES, AND FOR USE IN THE MANUFACTURE OF ECONOMIC POISONS

One gallon contains 9.67 lbs. O,O-Dimethyl O-[4-(methylthio)-m-tolyl] phosphorothioate.

NET CONTENTS \_\_\_\_\_ GALLONS  
NET WEIGHT \_\_\_\_\_ POUNDS

WARNING

KEEP OUT OF REACH OF CHILDREN

(See rear panel for warning statements)

ACTIVE INGREDIENTS:

fenthion O,O-Dimethyl O-[4-(methylthio)-m-tolyl] phosphorothioate 93%

INERT INGREDIENTS: ..... 7%  
100%

U.S. Patent No. 3,042,703  
Canadian Patent No. 631,472

EPA Reg. No. 3125-148

ACCEPTED  
APR 4 1972  
UNDER THE FEDERAL INSECTICIDE FUNGICIDE AND RODENTICIDE ACT FOR ECONOMIC POISON REGISTERED UNDER NO. 3125-148 SUBJECT TO ATTACHED COMMENTS.

3125-148

STOP - READ THE LABEL BEFORE USE.

MANUFACTURED BY  
CHEMAGRO CORPORATION  
KANSAS CITY, MO.

Note: Underlined letters in chemical nomenclature should be italicized when printed, not underlined.

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BAYTEX Liquid Conc.

3/25-748

DIRECTIONS FOR USE

**IMPORTANT:** Read these entire Directions and Conditions of Sale, including the Warranty and Limitation of Damages provision, before using BAYTEX Liquid Concentrate.

**CONDITIONS OF SALE:** These Directions for Use reflect the opinion of experts based on tests of effectiveness, of toxicity to plants and laboratory animals and of residues on or in food and feed under normal conditions of use. However, because of the wide range of conditions under which this product may be used, even though label directions are followed, it is impossible to eliminate all risks associated with its use because of abnormal conditions beyond the control of the seller. Chemagro Corporation and the Seller offer, and the Buyer uses, this product subject to the understanding that the Buyer assumes all such risks.

AREA MOSQUITO APPLICATIONS TO POPULATED AND RURAL AREAS ARE TO BE MADE ONLY BY MOSQUITO ABATEMENT DISTRICTS, PUBLIC HEALTH OFFICIALS, PUBLIC MOSQUITO CONTROL OFFICIALS, AND COMMERCIAL PEST CONTROL OPERATORS.

BAYTEX Liquid Concentrate is recommended for use wherever mosquitoes and flies are a problem, except in water where shrimp, crabs, or crayfish are of value. BAYTEX should not be used on food crops other than rice. BAYTEX provides long residual control and is effective against both non-resistant strains and those resistant to certain chlorinated hydrocarbons. The spray can be applied to most surfaces, including freshly whitewashed area, without loss of biological effectiveness.

MOSQUITO CONTROL ON ALFALFA AND PASTURE GRASS: Apply 2/3 to 1 1/3 fluid ounces (0.05 to 0.1 lb. active) per acre of BAYTEX Liquid Concentrate in a water emulsion as directed under "RECOMMENDED APPLICATIONS." Apply once per cutting on alfalfa, and up to 4 times per year on pasture grass without removal of grazing livestock.

MOSQUITO CONTROL IN RICE (CALIFORNIA ONLY): Apply 2/3 to 1 1/3 fluid ounces (0.05 to 0.1 lb. active) per acre of BAYTEX Liquid Concentrate in a water emulsion as directed under "RECOMMENDED APPLICATIONS." Apply no more than 3 times per crop year nor within 30 days of harvest of rice.

**MIXING:** BAYTEX Liquid Concentrate contains no emulsifying agents and should be used diluted only with oil carriers such as No. 2 fuel oil (diesel) or kerosene except where it is desirable to use water as a carrier, such as in the treatment of forage crops and rice where oil mixtures should not be used. For applications where water is used as the carrier, sufficient quantities of suitable emulsifiers<sup>(1)</sup> should be added to the BAYTEX Liquid Concentrate prior to mixing with water. If emulsifiers are to be added, at least an equal amount of an aromatic solvent (xylene types) should also be added. The solvent decreases the viscosity of the concentrate and facilitates mixing of the emulsifiers. Consider the added emulsifiers and solvents as a portion of the diluent when calculating the desired dosage.

These water or oil mixtures are suitable for use in hand or power-operated sprayers or foggers as well as with aircraft sprayers or in mist-type applicators. To mix with oil, pour required amount of BAYTEX Liquid Concentrate into full amount of oil and then agitate. Do not apply oil mixtures to forage crops.

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BAYTEX Liquid Conc.

DIRECTIONS FOR USE (Continued)

UNDER  
PUNISH  
FOR  
SO UNDER NO. 3125-148

If the mixture of BAYTEX and oil, prepared according to label directions, is to be held in prolonged storage, it is necessary to add an anti-sludge agent (2) to the mixture.

- (1) Recommended emulsifiers are Toximul P, or a 50/50 blend of Emcol N-142B and N-139B. Use 1/2 to 1 pint of emulsifier per gallon of BAYTEX Liquid Concentrate.
- (2) The addition of a suitable anti-sludge agent at the rate of 2 to 4 quarts per 100 gallons of BAYTEX Liquid Concentrate finished spray.

NOTE: Information on other emulsifiers and anti-sludge agents that are suitable for use are available from your dealer.

DOSAGE: Use specified dosage of BAYTEX Liquid Concentrate in the amount of water or oil necessary to give uniform coverage. In the treatment of forage lands and rice, water only should be used as a carrier. The type of equipment used will determine the concentration required.

SPRAYING: For mosquito larvae control, applications should be made to moist areas, standing water pools, marshes, swamps, and tidal areas. Also spray around and in catch basins and similar areas where mosquitoes breed. Do not apply to ponds, lakes, streams, or other bodies of water containing fish. Allow at least three weeks between applications.

For large area mosquito control, applications should be made to wet grassy, bushy, or woody areas.

For localized adult mosquito control, applications should be made to surfaces of buildings, screen doors, window frames, and around outdoor light fixtures.

For fly control spray around windows and on other surfaces frequented by flies on or in buildings except where food or feed products are present.

FOG AND MIST APPLICATIONS: Outdoor applications for adult mosquito control may be made by thermal fogging, mist spraying, aircraft spraying, or residual spraying. Do not apply to ponds, lakes, streams, or other bodies of water containing valuable fish. Allow at least 3 weeks between mist, or low volume applications. Fog applications may be repeated as necessary.

RECOMMENDED APPLICATIONS

INSECT	Fluid Ounces BAYTEX L.C.	REMARKS
<b>GROUND APPLICATIONS:</b>		
Mosquito Larvae	2/3	<b>SPRAY:</b> Apply specified dosage (0.05 lb. active) per acre in sufficient water* or oil** to obtain uniform coverage, or per 1 1/2 gallons of water* or oil** for localized applications. Apply as a light uniform spray. Allow at least 3 weeks between treatments.
Mosquitoes	1/2 to 1	<b>THERMAL FOG:</b> Mix specified dosage per gallon of oil.** This is equivalent to 2/5 to 4/5 gallon of concentrate per 100 gallons of oil. Apply with standard fogging machines calibrated to deliver 40 gallons per hour at a machine speed of 5 m.p.h. to cover a swath width of up to 350 feet. Repeat as necessary.

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BAYTEX Liquid Conc.

RECOMMENDED APPLICATIONS  
(Continued)

INSECT	Fluid Ounces BAYTEX I.C.	REMARKS
<b>GROUND APPLICATIONS: (Cont'd)</b>		
Mosquitoes	2/3 to 1 1/3	<u>MIST SPRAY:</u> Apply specified dosage (0.05 to 0.1 lb. active) per acre. For mist-blower machines calibrated to deliver 100 gallons per hour traveling at a speed of 4 m.p.h. to cover a swath width of up to 350 feet, use 7 to 14 pints of concentrate per 100 gallons of water*. Allow at least 3 weeks between treatments.
Mosquitoes Houseflies	5/6 to 1 2/3	<u>RESIDUAL SPRAY:</u> For long residual control of mosquitoes and for residual fly control, apply specified dosage in 1 gallon of water* for application per 500 square feet or to run-off in localized areas on patios, other outdoor structural surfaces, <u>in</u> buildings including dairy and beef barns and poultry houses. Do not apply directly to animals. Residual control lasts 7 to 8 weeks for the lower rate and even longer at the higher rate. Repeat as necessary. Do not apply as a space spray.
<b>AIRPLANE APPLICATIONS:</b>		
Mosquitoes (Larvae and Adults)	2/3 to 1 1/3	<u>LOW VOLUME SPRAY:</u> Apply specified dosage (0.05 to 0.1 lb. active) per acre using the liquid concentrate in one to two quarts of fuel oil per acre. Allow at least 3 weeks between application.
Mosquitoes	(See Remarks)	<u>CONVENTIONAL (DILUTED) SPRAY:</u> Use BAYTEX Liquid Concentrate at dosages of 0.05 to 0.1 lb. active ingredient per acre in water* or oil** in conventional aircraft application spray equipment. Mix 4 to 8 pints of concentrate in 100 gallons of water* or fuel oil** and apply 1 gallon of this mixture per acre. Allow at least 3 weeks between treatments.

\*When using water as a carrier add sufficient quantities of suitable emulsifying agents, as described under mixing directions, to BAYTEX Liquid Concentrate prior to mixing with water.

\*\*Kerosene-type oils, fuel oils, diesel oils, and other base oils suitable for insecticide use.

RESTRICTIONS

1. Do not apply oil mixtures to forage crops or rice.
2. Do not apply when weather conditions favor drift of spray.
3. Do not use inside homes or in buildings where food is processed or stored.
4. Do not apply oil sprays directly to flowers, or other ornamental plants which may be damaged by the oil. Fog applications will not cause plant injury.
5. Do not apply directly to animals, except livestock grazing in alfalfa and pasture grass at time of application to these crops.
6. Do not use on or allow spray treatment to drift onto water supplies. Do not contaminate feed, drinking water, milk or milk-handling equipment.
7. Do not apply as an ultra low volume (ULV) spray.

ACCEPTED  
4/4/72  
3125-148

Table Attachments for BAYTEX Liquid Concentrate

ACCEPTED  
4/4/72  
UNDER THE FEDERAL INSECTICIDE  
ACT AND EXECUTIVE ORDER 11738  
FOR ECONOMIC PEST CONTROL  
REGISTERED UNDER NO. 3125-148

MIXING CHART - GROUND APPLICATIONS:

USAGE	DOSAGE BAYTEX LIQ. CONC.	AMOUNT OF LIQUID CONCENTRATE NEEDED FOR GIVEN AREA			
		6 acres	25 acres	50 acres	100 acres
Ground Application: Mosquito Larvae	2/3 fl. oz. per acre	1/4 pint	1 pint	1 quart	1/2 gallon
Thermal Fog: (Standard Calibration)	1/2 fl. oz. per gal.	212 acres 1 1/4 pints in 40 gal. oil	530 acres 3 pints in 100 gal. oil	1590 acres 9 1/3 pints in 298 gal. oil	2650 acres 2 gallons in 498 gal. oil
	1 fl. oz. per gal.	2 1/2 pints in 40 gal. oil	6 pints in 100 gal. oil	18 2/3 pints in 298 gal. oil	4 gallons in 496 gal. oil
Mist Spray: (Standard Calibration)	2/3 fl. oz. per acre	85 acres 3 1/2 pints in 50 gal. water	170 acres 7 pints in 99 gal. water	510 acres 2 2/3 gal. in 297 gal. water	850 acres 4 1/2 gal. in 496 gal. water
	1 1/3 fl. oz. per acre	7 pints in 50 gal. water	7 quarts in 98 gal. water	5 1/3 gal. in 295 gal. water	9 gal. in 491 gal. water
Residual Spray:	5/6 fl. oz. per gal.	2,500 sq. ft. 4 ozs. in 5 gal. water	5,000 sq. ft. 1/2 pint in 10 gal. water	12,500 sq. ft. 1 1/4 pints in 25 gal. water	25,000 sq. ft. 2 1/2 pints in 50 gal. water
	1 2/3 fl. oz. per gal.	1/2 pint in 5 gal. water	1 pint in 10 gal. water	2 1/2 pints in 25 gal. water	5 pints in 50 gal. water

MIXING CHART - AIR APPLICATIONS:

Low Volume Sprays: (Applying total volume of 1 qt. per acre)	2/3 fl. oz. per acre	160 acres 6 2/3 pints in 39 gal. oil	320 acres 1 2/3 gal. in 78 gal. oil	400 acres 2 gal. in 98 gal. oil	480 acres 2 1/2 gal. in 117 gal. oil
	1 1/3 fl. oz. per acre	1 2/3 gal. in 38 gal. oil	3 1/3 gal. in 76 gal. oil	4 gal. in 96 gal. oil	5 gal. in 115 gal. oil
Conventional Sprays: (Applying total volume of 1 gal. per acre)	2/3 fl. oz. per acre	40 acres 1 2/3 pints in 40 gal. oil	80 acres 3 1/3 pints in 79 gal. oil	100 acres 4 pints in 99 gal. oil	120 acres 5 pints in 119 gal. oil
	1 1/3 fl. oz. per acre	3 1/3 pints in 39 gal. oil	6 2/3 pints in 79 gal. oil	1 gallon in 99 gal. oil	1 1/4 gal. in 118 gal. oil

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BAYTEX Liquid Conc.

FISH AND WILDLIFE CAUTION

BAYTEX is highly toxic to some aquatic animal life. Shrimp, crayfish, and crabs may be killed at the listed rates of application. Do not use where these are valuable resources. Birds may be harmed by feeding on insects and other organisms killed by this product.

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

WARNING

May be fatal if swallowed, inhaled, or absorbed through the skin. Rapidly absorbed through the skin. Do not get in eyes, on skin, or on clothing. Do not breathe spray mist. Wash thoroughly with soap and warm water after handling. Wash clothing with soap and hot water before reuse.

Avoid contamination of feed or food. Keep out of reach of children.

TO PHYSICIAN:

ANTIDOTE - Administer atropine sulfate in large therapeutic doses. Repeat as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine.

CONTAINER DISPOSAL

Do not reuse container. Destroy it by perforating or crushing. Bury or discard in a safe place.

WARRANTY AND LIMITATION OF DAMAGES

Chemagro Corporation warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use and Conditions of Sale; subject to the risks referred to therein. CHEMAGRO CORPORATION MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, and no agent of Chemagro Corporation is authorized to do so except in writing, with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or values, etc.

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