

T-352  
Ref. 2

Best Available 3125-148  
Copy

04/16/1968  
Base pre-Reg. (574)

1/5

U.S. LABEL

Reason to Issue: To initiate label for  
a 93% product.

Date of Draft: 2/1/68 (Pre-Reg.)

Supersedes Draft Dated: 1/23/68 (Pre-Reg.)

®

BAYTEX

LIQUID CONCENTRATE

INSECTICIDE

FOR EFFECTIVE CONTROL OF MOSQUITOES  
AND FLIES

One gallon contains 9.67 lbs.

O,O-Dimethyl O-[4-(methylthio)-m-  
-tolyl] phosphorothioate.

NET CONTENTS 5 GALLONS

WARNING

KEEP OUT OF REACH OF CHILDREN  
(See rear panel for warning  
statements.)

ACTIVE INGREDIENTS:

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

USDA Reg. No. 3125-148

STOP - READ THE LABEL BEFORE USE

ACCEPTED

APR 16 1968

3125-148  
SUBJECT

MANUFACTURED BY

CHEMAGRO CORPORATION

KANSAS CITY, MO.

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

## 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.

areas  
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. It provides long residual control and is as effective against DDT-resistant strains as non-resistant strains. The spray can be applied to most surfaces, including freshly whitewashed areas, without loss of biological effectiveness.

MIXING: BAYTEX Liquid Concentrate contains no emulsifying agents and should be used undiluted or diluted only with oil carriers such as No. 2 fuel oil (diesel) or kerosene. Should it be desirable to use water as a 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.

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<sup>(2)</sup> to the mixture.

- (1) Recommended emulsifiers are Toximul P or MP; Emcol AD6-47; or a 50/50 blend of Emcol H-142B and H-84T. 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.

Label: Use specified dosage of BAYTEX Liquid Concentrate undiluted or in the amount of water or oil necessary to give uniform coverage. 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 valuable fish. Allow at least three weeks between applications.

## DIRECTIONS FOR USE (Continued)

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

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

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, ultra low volume, or low volume applications. Fog applications may be repeated as necessary.

## RECOMMENDED BAYTEX APPLICATIONS

INSECT	Fluid Ounces BAYTEX Conc.	REMARKS
<u>GROUND APPLICATIONS:</u>		
Mosquito Larvae	2/3	<u>SPRAY:</u> 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	<u>THERMAL FOG:</u> 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.
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. 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.
<u>AIRCRAFT APPLICATIONS:</u>		
Mosquitoes (Larvae and Adults)	2/3 to 1 1/3	<u>ULTRA LOW VOLUME SPRAY:</u> For control of mosquito larvae and adults, BAYTEX Liquid Concentrate may be applied undiluted in any aircraft equipment that has been adapted and calibrated for applying ultra low volumes of spray material. Planes must be equipped with accepted low volume devices that will produce droplets within the range of 30 to 100 microns in size. Apply specified dosage (0.05 to 0.1 lb. active) per acre using the liquid concentrate in undiluted form with aircraft equipment capable of applying the proper volume per acre. Allow at least 3 weeks between applications. <u>NOTE:</u> BAYTEX Liquid Concentrate may cause spotting of automobile paint surfaces if prolonged exposure is permitted. Avoid direct spraying of automobiles. If accidental exposure does occur, cars should be washed immediately. <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 applications.

RECOMMENDED BAYTEX APPLICATIONS  
(Continued)

INSECT	Fluid Sources BAYTEX Conc.	REMARKS
AIRCRAFT APPLICATIONS: (Continued)		CONVENTIONAL (DILUTED) SPRAY: 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.
Mosquitoes	(See Remarks)	

\*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 allow spray treatment to drift on pasture land, crop land, poultry ranges, or water supplies.
2. Do not use inside homes, in dairy barns, poultry houses, or buildings where food is processed. Do not apply directly to animals.
3. Do not use on crops used for food, forage, or pasture.
4. Do not apply oil sprays directly to flowers or other ornamental plants which may be damaged by the oil. Fog application will not cause plant injury.

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.

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.

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.

BAYTEX is Reg. TM in U.S. and Canadian Pat. Offs. by Farbenfabriken Bayer A.G., Chemagro Corporation licensee.

Table Attachments for BAYTEX Liquid Concentrate 93%

## 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:		212 acres	530 acres	1590 acres	2650 acres
(Standard Calibration)	1/2 fl. oz. per gal.	1 1/4 pints in 40 gal. oil	3 pints in 100 gal. oil	9 1/3 pints in 298 gal. oil	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:		85 acres	170 acres	510 acres	850 acres
(Standard Calibration)	2/3 fl. oz. per acre	3 1/2 pints in 50 gal. water	7 pints in 99 gal. water	2 2/3 gal. in 297 gal. water	4 1/2 gal. in 496 gal. water
	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:		2,500 sq. ft.	5,000 sq. ft.	12,500 sq. ft.	25,000 sq. ft.
	5/6 fl. oz. per gal.	4 ozs. in 5 gal. water	1/2 pint in 10 gal. water	1 1/4 pints in 25 gal. water	2 1/2 pints in 50 gal. water
	1 1/3 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:

ULV Spray: (undiluted)		7,680 acres	15,360 acres	19,200 acres	23,040 acres
	2/3 fl. oz. per acre	40 gal.	80 gal.	100 gal.	120 gal.
	1 1/3 fl. oz. per acre	3,840 acres	7,680 acres	9,600 acres	11,520 acres
		40 gal.	80 gal.	100 gal.	120 gal.
Low Volume Sprays: (Applying total volume of 1 qt. per acre)		160 acres	320 acres	400 acres	480 acres
	2/3 fl. oz. per acre	6 2/3 pints in 39 gal. oil	1 2/3 gal. in 78 gal. oil	2 gal. in 98 gal. oil	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)		40 acres	80 acres	100 acres	120 acres
	2/3 fl. oz. per acre	1 2/3 pints in 40 gal. oil	3 1/3 pints in 79 gal. oil	4 pints in 99 gal. oil	5 pints in 119 gal. oil
	1 1/3 fl. oz. per acre	3 3 pints in 3 gal. oil	6 2/3 pints in 79 gal. oil	1 gallon in 99 gal. oil	1 1/4 gal. in 118 gal. oil