

T-655
Ref. 2

3125-148

07/07/1970
Base Pre-Reg. (1194)

1/6

U.S. LABEL

Reason to Issue: To combine Pre-Reg.
label draft dated 8/20/69
(P.P. No. 9F0774) and Pre-Reg.
draft dated 3/26/69 (P.P. No. 9F0881)
and revise in accordance with USDA
requests.

Date of Draft: 3/25/70 (Pre-Reg.) (L)
Supersedes Pre-Reg. Drafts: 8/20/69 &
3/26/69

Product Nos. 110612 - 5 Gal. (52 lbs)
110613 - 30 Gal. (312 lbs)

Reg. U. S. 4/17/68

(R)

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 _____ 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%

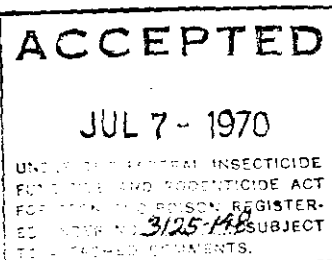
INERT INGREDIENTS: 7%
100%

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

USDA Reg. No. 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.

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. BAYTEX provides long residual control and is effective against both DDT-resistant and non-resistant strains. 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 up to 1 1/3 fluid ounces (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.

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 where oil mixtures should not be used. For applications where water is used as the carrier, sufficient quantities of suitable emulsifiers⁽¹⁾ 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 desired dosage.

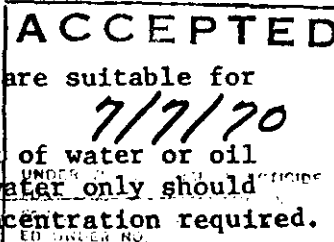
These water or oil mixtures are suitable for use in hand or power-operated sprayers or foggers as well as with aircraft sprayers or in mist-type applicators. To mix with oil, pour required amount of BAYTEX Liquid Concentrate into full amount of oil and then agitate. Do not apply oil mixtures to forage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

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, water only should be used as a carrier. The type of equipment used will determine the concentration required.



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DIRECTIONS FOR USE (Continued)

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.

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 |
|-----------------------------|-----------------------------|---|
| GROUND APPLICATIONS: | | |
| Mosquito Larvae | 2/3 | SPRAY: 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 | THERMAL FOG: 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 | MIST SPRAY: 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 | RESIDUAL SPRAY: 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, in 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. |

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RECOMMENDED APPLICATIONS
(Continued)

| INSECT | Fluid Ounces BAYTEX L.C. | REMARKS |
|--------------------------------------|-----------------------------|---|
| 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.
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.
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.

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.

The 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.

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BAYTEX Liquid Conc.

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.

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

All label text above, except that which is underlined, has had previous registration acceptance.

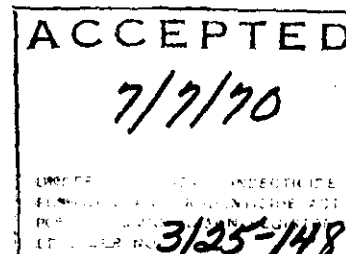


Table Attached for BAYTEX Liquid Concentrate

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 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 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: | | 160 acres | 320 acres | 400 acres | 480 acres |
| (Applying total volume of 1 qt. per acre) | 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: | | 40 acres | 80 acres | 100 acres | 120 acres |
| (Applying total volume of 1 gal. per acre) | 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 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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