

Baytex

Liquid Concentrate Insecticide

For effective control of mosquitoes and flies and for use in the manufacture of economic poisons.

Active Ingredients:
0.05% O-Dimethyl (1-methyl-4-methylthio) phosphorothioate 93%
0.05% O-Dimethyl (1-methyl-4-methylthio) phosphorothioate 7%
NET CONTENTS 30 GALLONS 100%
NET WEIGHT 312 POUNDS
EPA Reg. No. 3125-143 AA
EPA Est. 3125-MO-1
Each gallon contains 9.67 lbs. O-Dimethyl (1-methyl-4-methylthio) phosphorothioate

STOP—Read the label before use.

WARNING

Keep out of reach of children.

(See label for warning statements)

**NET CONTENTS 30 GALLONS
NET WEIGHT 312 POUNDS**



Chemagro Agricultural Division
Möbaco Chemical Corporation
P.O. Box 4913, Kansas City, Mo. 64120

Aviso.

AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

Directions for use.

IMPORTANT: Read these entire Directions and Conditions of Sale before using BAYTEX Liquid Concentrate.

CONDITION OF SALE: The directions on this label were determined through research to be the directions for the correct use of this product. This product has been tested for a range of weather conditions similar to those weather conditions that are ordinary and customary in the geographic area where the product is used. Insufficient control of pests may result from the occurrence of extraordinary or unusual weather, or from failure to follow label directions. In addition, failure to follow label directions may cause injury to the crop to which the product is applied, other crops, animals, man, or the environment. Chemagro and the seller offer, and the buyer accepts and uses, this product subject to the conditions that extraordinary or unusual weather, or failure to follow label directions are beyond the control of Chemagro and are, therefore, the responsibility of the buyer.

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. Helicopter applications made or supervised by a pest control operator must be made only under the

direct supervision of a mosquito control official or similar qualified authority. Consult your state fish and game agency before applying this product.

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 moist surfaces, including freshly whitewashed area, without loss of biological effectiveness.

MOSQUITO CONTROL ON ALFALFA AND PASTURE GRASS: Apply 2 1/2 to 1 1/2 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 1/2 to 1 1/2 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. Do not apply to a second rice crop in areas where double cropping is the agricultural practice.

MIXING: BAYTEX Liquid Concentrate contains no emulsifying agents and should be used diluted only with oil carriers such as No. 2 fuel oil (kerosene) 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 (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 type) should also be added. The solvent decreases the viscosity of the concentrate and facilitates mixing of the emulsifiers. Consider the added emulsifiers and solvent 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 or rice.

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 Emicol 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 waterpools, marshes, swamps, stagnant waters, and intermittently flooded 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 adult mosquito control, treat shrubbery and vegetation where mosquitoes may rest. Shrubbery and vegetation should stay moist, pools, marshes, swamps, and moist areas may be treated. Do not apply this product to any body of water except in late fall.

For large area mosquito control, applications should be made by wetting the foliage of woody areas.

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

For fly control, spray on walls, floors and on other surfaces free of food, feed, or manure, except where food or feed products are present.

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

Restrictions.

- 1 Do not apply of material 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 to 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 the crops.
- 6 Do not use on or near any body of water. Do not apply to ponds, lakes, streams or other bodies of water containing fish.

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Recommended applications.

INSECT	Fluid Ounces BAYTEX L.C.	REMARKS
GROUND APPLICATIONS: Mosquito Larvae	1/2	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 1/2 to 1 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	1/2 to 1 1/2	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	1/2 to 1 1/2	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 paths, 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 surface spray.
AIRCRAFT APPLICATIONS: Mosquitoes (Larvae)	1/2 to 1 1/2	LOW VOLUME SPRAY: 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 (Adults)	1/2 to 1 1/2	LOW VOLUME SPRAY: 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)	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.

*When using water as a carrier add sufficient quantities of suitable emulsifying agents, as described under mixing directions, to BAYTEX Liquid Concentrate for or to mixing with water.
**Kerosene type oils, fuel oils, diesel oils, and other base oils suitable for insecticide use.

INSECT	Flow Rate of BAYTEX LC FLUID OUNCES PER MINUTE	TRUCK SPEED MILES PER HOUR	REMARKS
Mosquitoes (Adults) (Tulsa, Okla., Mississippi, Arkansas, Tennessee, Louisiana, Alabama, & Georgia Only)	0.3 to 0.5	5	ULTRA-LOW VOLUME NONTHERMAL AEROSOL: Use the flow rates at the indicated truck speeds to cover a 300 foot swath. Use a machine designed specifically for ULV cold fogging. Repeat applications as necessary. NOTE: Spray droplets should have a median droplet size range from 5 to 20 microns with a Mass Median Diameter (MMD) not to exceed 15 microns. Droplets 45 microns or larger may cause permanent damage to automobile paint finishes. The method for determining the range and mass median diameter of the particles will be provided by the manufacturer upon request.
	0.6 to 1.0	10	
	0.9 to 1.5	15	
	1.2 to 2.0	20	

Mixing Chart—Ground Application

USAGE	DOSAGE BAYTEX L.C.	ACQ. 1	ACQ. 2
Ground Application: Mosquito Larvae	1/2 fl oz per acre	5 acres per 1 pint	2
Thermal Fog:	1/2 fl oz per gal	212 acres in 40 gal oil	5
(Standard Calibration)	1 fl oz per gal	212 pints in 40 gal oil	10
Mist Spray:	1/2 fl oz per acre	85 acres in 50 gal water	10
(Standard Calibration)	1 1/2 fl oz per acre	7 pints in 50 gal water	7
Residual Spray:	1/2 fl oz per gal	2,500 sq. ft. 4 ozs in 5 gal water	50
	1 1/2 fl oz per gal	1/2 pint in 5 gal water	10

Mixing Chart—Air Applications.

Low Volume Sprays: (Applying total volume of 1 qt per acre)	1/2 fl oz per acre	160 acres 6 1/2 pints in 39 gal oil	1
	1 1/2 fl oz per acre	1 1/2 gal in 39 gal oil	7
Conventional Sprays: (Applying total volume of 1 gal per acre)	1/2 fl oz per acre	48 acres 1 1/2 pints in 40 gal oil	6
	1 1/2 fl oz per acre	3 1/2 pints in 39 gal oil	7

BAYTEX is a Reg. 110 U.S. Pat. Co. Product. Company of Entomological Supply, Inc., Louisville, Kentucky.

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SEP 21 1978
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 312-142

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ing fish. Allow at least three weeks between applications. For adult mosquito control, shrubby and vegetation where mosquitoes rest. Shrubbery and vegetation around stagnant pools, marshy areas, swamps and moist areas may be treated, but application of this product to any body of water is prohibited. 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, outdoors, window frames, and around outdoor fixtures for fly control spray around windows and on surfaces frequented by flies on or in buildings except where food or food products are present.

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

Restrictions.

Do not apply oil mixtures to forage crops or other crops.
Do not apply when weather conditions favor spray.
Do not use inside homes or in buildings where food is processed or stored.
Do not apply oil sprays directly to flowers, or ornamental plants which may be damaged by oil. Fog applications will not cause plant damage.

Do not apply directly to animals, except for grazing in alfalfa and pasture grass at application to these crops.

Do not use on or allow spray treatment to enter water supplies. Do not contaminate feed

drinking water, milk or milk-handling equipment.
7. Do not apply as an ultra low volume (ULV) spray (ULV Nontermal Aerosol applications may be applied as recommended on the label).

Fish and wildlife caution.

This product is toxic to fish and wildlife. Birds feeding on treated areas may be killed. Do not apply when weather conditions favor: drift from areas treated. Do not apply where runoff is likely to occur. Do not contaminate water by cleaning of equipment, or disposal of wastes. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where these are important resources. Apply this product only as specified on this label. Keep out of lakes, streams or ponds (except where this product is used for Mosquito Larvae Control).

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.

Recommended applications.

INSECT	Fluid Ounces BAYTEX L.C.	REMARKS
GROUND APPLICATIONS: Mosquito Larvae	1/2	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: Use specified dosage per gallon of oil.*** This is equivalent to 1/2 to 1 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	1/2 to 1 1/2	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	1/2 to 1 1/2	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 in 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.
AIRCRAFT APPLICATIONS: Mosquitoes (Larvae)	1/2 to 1 1/2	LOW VOLUME SPRAY: 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 (Adults)	1/2 to 1 1/2	LOW VOLUME SPRAY: 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)	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.

*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 motorship use.

INSECT	Flow Rate of BAYTEX L.C. FLUID OUNCES PER MINUTE	TRUCK SPEED MILES PER HOUR	REMARKS
Mosquitoes (Adults) (Florida, Texas, Mississippi, Arkansas, Tennessee, Louisiana, Alabama, & Georgia Only)	0.3 to 0.5	5	ULTRA-LOW VOLUME NONTHERMAL AEROSOL: Use the flow rates at the indicated truck speeds to cover a 300 foot swath. Use a machine determined specifically for ULV cold fogging. Repeat applications as necessary. NOTE: Spray droplets should have a median diameter range from 5 to 20 microns with a Mass Median Diameter (MMD) not to exceed 15 microns. Droplets 45 microns or larger may cause permanent damage to automobile paint finishes. The method for determining the range and mass median diameter of the particles will be provided by the manufacturer upon request.
	0.6 to 1.0	10	
	0.9 to 1.5	15	
	1.2 to 2.0	20	

Mixing Chart—Ground Applications.

USAGE	DOSAGE BAYTEX L.C.	APPROXIMATE CONCENTRATE REQUIRED FOR GIVEN AREA			
Ground Application: Mosquito Larvae	1/2 fl. oz. per acre	5 acres 12 pints	25 acres 1 quart	50 acres 1 quart	100 acres 1/2 gallon
Thermal Fog:	1/2 fl. oz. per gal.	212 acres 1 1/2 pints in 40 gal. oil	528 acres 3 pints in 100 gal. oil	1598 acres 9 1/2 pints in 200 gal. oil	2650 acres 2 gallons in 400 gal. oil
(Standard Calibration)	1/2 fl. oz. per gal.	2 1/2 pints in 40 gal. oil	6 pints in 100 gal. oil	18 1/2 pints in 200 gal. oil	4 gallons in 400 gal. oil
Mist Spray:	1/2 fl. oz. per acre	85 acres 3 1/2 pints in 50 gal. water	170 acres 7 pints in 100 gal. water	510 acres 21 1/2 pints in 200 gal. water	850 acres 4 1/2 gal. in 400 gal. water
(Standard Calibration)	1 1/2 fl. oz. per acre	7 pints in 50 gal. water	7 quarts in 100 gal. water	5 1/2 gal. in 200 gal. water	5 gal. in 400 gal. water
Residual Spray:	1/2 fl. oz. per gal.	2,500 sq. ft. 4 qts. in 5 gal. water	5,000 sq. ft. 2 pints in 10 gal. water	12,500 sq. ft. 1 1/2 pints in 25 gal. water	25,000 sq. ft. 2 1/2 pints in 50 gal. water
	1 1/2 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)	1/2 fl. oz. per acre	160 acres 6 1/2 pints in 30 gal. oil	320 acres 12 1/2 pints in 70 gal. oil	480 acres 18 1/2 pints in 90 gal. oil	640 acres 24 1/2 pints in 110 gal. oil
	1 fl. oz. per acre	170 gal. in 30 gal. oil	340 gal. in 70 gal. oil	510 gal. in 90 gal. oil	680 gal. in 110 gal. oil
Conventional Sprays: (Applying total volume of 1 gal. per acre)	1/2 fl. oz. per acre	40 acres 1 1/2 pints in 40 gal. oil	80 acres 3 1/2 pints in 70 gal. oil	100 acres 4 pints in 90 gal. oil	120 acres 5 pints in 110 gal. oil
	1 1/2 fl. oz. per acre	3 1/2 pints in 30 gal. oil	6 1/2 pints in 70 gal. oil	1 gallon in 90 gal. oil	1 1/2 gal. in 110 gal. oil

BAYTEX is a Reg. TM of the Parke-Davis Company of Pharmaceutical, Bayer, Inc. and its subsidiaries.

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Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 110-613

110 613

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Baytex

Liquid Concentrate Insecticide

For effective control of mosquitoes and flies and for use in the manufacture of economic poisons.

ACTIVE INGREDIENT
 96% O,O-Dimethyl 4-methyl-4
 (methylthio)phenyl plus
 phosphorothioate 93%
 7%
 100%
 (U.S. Patent No. 3,042,743)
 Canadian Patent No. 641,472
 EPA Reg. No. 3125-148 AA
 EPA Est. 3125 MO-1
 One gallon contains 9.67 lbs. O,O-Dimethyl
 4-methyl-4 (methylthio)phenyl phosphorothioate

STOP—Read the label before use.

WARNING

Keep out of reach of children.

NET CONTENTS 30 GALLONS
 NET WEIGHT 312 POUNDS



Chemagro Agricultural Division
 Mobay Chemical Corporation
 Box 4913 Kansas City, Mo. 64120

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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. Helicopter applications made or supervised by a pest control operator must be made only under the

direct supervision of a mosquito control official or similar qualified authority. Consult your state fish and game agency before applying this product.

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 $\frac{3}{4}$ to 1½ 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 $\frac{3}{4}$ to 1½ 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. Do not apply to a second rice crop in areas where double cropping is the agricultural practice.

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 (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 solvent 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 loggers 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 or rice.

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 Emicol N-142B and N-139B. Use $\frac{1}{2}$ 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, stagnant waters, and intermittently flooded 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 adult mosquito control, treat shrubbery and vegetation where mosquitoes may rest. Shrubby areas, swamps, and moist areas may be treated, but application of this product to any body of water is prohibited.

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 fish. Allow at least 3 weeks between mist or low volume applications. Fog applications may be repeated as necessary.

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 of these crops.
6. Do not use oil or water spray treatment to drift onto water supplies. Do not contaminate feed

Recommended applications.

INSECT	Fluid Ounces BAYTEX L.C.	REMARKS
GROUND APPLICATIONS: Mosquito Larvae	1/2	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 1/4 to 1/2 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	1/2 to 1 1/2	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	1/4 to 1 1/2	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.
AIRCRAFT APPLICATIONS: Mosquitoes (Larvae)	1/2 to 1 1/2	LOW VOLUME SPRAY: Apply specified dosage (0.05 to 0.1 lb. active) per acre using the liquid concentrate in one to two quarts of fuel or per acre. Allow at least 3 weeks between application.
Mosquitoes (Adults)	1/2 to 1 1/2	LOW VOLUME SPRAY: Apply specified dosage (0.05 to 0.1 lb. active) per acre using the liquid concentrate in one to two quarts of fuel or per acre. Allow at least 3 weeks between application.
Mosquitoes	(See Remarks)	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.

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

**If property type only: fuel oils, diesel oils, and other heavy oils suitable for insecticide use.

INSECT	Flow Rate of BAYTEX L.C. FLUID OUNCES PER MINUTE	TRUCK SPEED MILES PER HOUR	REMARKS
Mosquitoes (Adults) (Florida, Texas, Mississippi, Arkansas, Tennessee, Louisiana, Alabama, & Georgia Only)	0.3 to 0.5	5	ULTRA-LOW VOLUME NONTHERMAL AEROSOL: Use the flow rates at the indicated truck speeds to cover a 300 foot swath. Use a machine designed specifically for ULV cold fogging. Repeat applications as necessary. NOTE: Spray droplets should have a median droplet size range from 5 to 20 microns with a Mass Median Diameter (MMD) not to exceed 15 microns. Droplets 45 microns or larger may cause permanent damage to automobile paint finishes. The method for determining the range and mass median diameter of the particles will be provided by the manufacturer upon request.
	0.6 to 1.0	10	
	0.9 to 1.5	15	
	1.2 to 2.0	20	

Mixing Chart—Ground Applications.

USAGE	DOSAGE BAYTEX L.C.	AMOUNT OF LIQUID CONCENTRATE NEEDED FOR GIVEN AREA			
Ground Application: Mosquito Larvae	1/2 fl. oz. per acre	6 acres 1 1/2 pints	25 acres 1 pint	50 acres 1/2 pint	100 acres 1/4 pint
Thermal Fog: (Standard Calibration)	1/4 fl. oz. per gal.	212 acres 4 1/2 pints in 40 gal. oil	530 acres 3 pints in 100 gal. oil	1590 acres 9 1/2 pints in 298 gal. oil	2650 acres 2 gallons in 495 gal. oil
	1/2 fl. oz. per gal.	2 1/2 pints in 40 gal. oil	6 pints in 100 gal. oil	18 1/2 pints in 298 gal. oil	4 gallons in 495 gal. oil
Mist Spray: (Standard Calibration)	1/4 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 1/2 gal. in 297 gal. water	850 acres 4 1/2 gal. in 495 gal. water
	1 1/2 fl. oz. per acre	7 pints in 50 gal. water	7 quarts in 99 gal. water	5 1/2 gal. in 295 gal. water	9 gal. in 491 gal. water
Residual Spray:	1/4 fl. oz. per gal.	2,500 sq. ft. 4 ozs. in 5 gal. water	5,000 sq. ft. 1 1/2 pints in 10 gal. water	12,500 sq. ft. 3 1/4 pints in 25 gal. water	25,000 sq. ft. 7 1/2 pints in 50 gal. water
	1 1/2 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)	1/4 fl. oz. per acre	100 acres 6 1/2 pints in 30 gal. oil	320 acres 1 1/2 gal. in 75 gal. oil	400 acres 2 gal. in 96 gal. oil	400 acres 2 1/2 gal. in 117 gal. oil
	1 1/2 fl. oz. per acre	1 1/2 gal. in 30 gal. oil	3 1/2 gal. in 75 gal. oil	4 gal. in 96 gal. oil	5 gal. in 117 gal. oil
Conventional Sprays: (Applying total volume of 1 gal. per acre)	1/4 fl. oz. per acre	40 acres 1 1/2 pints in 40 gal. oil	80 acres 3 1/2 pints in 79 gal. oil	100 acres 4 pints in 96 gal. oil	120 acres 5 pints in 116 gal. oil
	1 1/2 fl. oz. per acre	3 1/2 pints in 39 gal. oil	6 1/2 pints in 79 gal. oil	1 pint in 99 gal. oil	1 1/2 gal. in 116 gal. oil

BAYTEX is a Reg. 101 of the Federal Company of Entomological Bayer GmbH
Lehrheim

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Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 3105-442

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