91.01.17

# BAYTEX (R)

LIQUID CONCENTRATE

INSECTICIDE
Contains fenthion

COMMERCIAL

FOR CONTROL OF MOSQUITOES AND FLIES

GUARANTEE: Fenthion.....1.16 kg/L

NET CONTENTS LITRES

REGISTRATION NO. 9570 PEST CONTROL PRODUCTS ACT

DANGER POISON

KEEP OUT OF REACH OF CHILDREN
(See rear panel for first aid and danger statements)

READ THE LABEL BEFORE USING

CHEMAGRO LIMITED
1355 Aerowood Drive
Mississauga, Ontario Canada L4W 1C2

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the PEST CONTROL PRODUCTS ACT to use a control product under unsafe conditions.

## DIRECTIONS FOR USE

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 over fruit, vegetable, or other food crops. It provides residual control and is effective against both DDT-resistant and 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 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(l) 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(2) to the mixture.

(1) Recommended emulsifiers are Toximul P or a 50/50 blend of Emcol N-l42B and N-l39B. Use 65 to 125 mL of emulsifier per Litre of BAYTEX Liquid Concentrate.

(2) The addition of a suitable anti-sludge agent at the rate of 500 mL to 1 L per 100 Litres 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. The type of equipment used will determine the concentration required.

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

RECOMMENDED APPLICATIONS

| INSECT | Dosage BAYTEX L.C. | REMARKS |
|---|---|---|
| GROUND APPLICATIONS: | | THERMAL FOG: Mix specified dosage per Litre of oil**. This is equivalent to 400 to 800 mL of concentrate per 100 L of oil. Apply with standard fogging machines calibrated to deliver 150 L per hour at a machine speed of 8 km/hr to cover a swath width of up to 100 m. Repeat as necessary. |
| Adult Mosquitoes | 4 to 8 mL/L | |
| Adult Mosquitoes | 50 to 100 mL/ha | MIST SPRAY: Apply specified dosage (55 to 110 g active) per hectare. For mist-blower machines calibrated to deliver 450 L per hour traveling at a speed of 8 km/hr to cover a swath width of up to 100 m, use 4 to 8 L of concentrate per 450 L of water*. Allow at least 3 weeks between applications. |
| Adult Mosquitoes<br>House Flies | 30 to 60 mL/5L | RESIDUAL SPRAY: For residual control of mosquitoes and for residual fly control, apply specified dosage in 5 L of water* for application per 50 m or to run-off in localized areas including dairy, beef, and hog barns. 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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| AIRCRAFT APPLICATIONS:<br><br>Mosquitoes (Larvae and Adults) | 50 to 100 mL/ha | LOW VOLUME SPRAY: Apply specified dosage (55 to 110 g active) per hectare using the liquid concentrate in 3 to 6 L of fuel oil per hectare. Allow at least 3 weeks between applications. |
| Adult Mosquitoes | (See Remarks) | CONVENTIONAL (DILUTED) SPRAY: Use BAYTEX Liquid Concentrate at dosages of 55 to 110 g active ingredient per hectare in water* or oil**. Mix 2.5 to 5 L of concentrate in 500 L of water* or fuel oil** and apply this mixture to 50 ha. Allow at least 3 weeks between applications. |

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NATURE OF RESTRICTION:

This product is to be used only in the manner authorized; consult local pesticide regulatory authorities about use permits which may be required.

RESTRICTED USE

Mosquito Larvae Control: Spray 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. Allow at least 3 week, between applications.

RECOMMENDED APPLICATIONS

| INSECT | DOSAGE<br>BAYTEX L.C. | REMARKS |
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| Mosquito Larvae | 50 mL<br><br>(See remarks) | SPRAY: Apply specified dosage (55 g active) per hectare in sufficient water to obtain uniform coverage.<br><br>For localized applications use 35 mL of B |

*When using water as a carrier add sufficient quantities of 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. If pasture or forage crops are treated, do not graze or cut for feed for 3 days after application.
2. Do not use inside homes or in buildings where food is processed. Do not apply directly to animals.
3. Do not apply to food crops or home garden areas or to areas where drift may result in residues on food. Applications should be made den wind is at a minimum and when the wind direction will carry any drift away from food crops or home gardens.
4. Do not apply oil sprays directly to flowers or other ornamental plants which may be damaged by the oil.
5. Birds feeding in treated areas may be harmed at the maximum recommended mosquito control rate.
6. Do not apply this product by the ULV method.
7. Do not contaminate feed, drinking water, milk or milk handling equipment.

## DANGER

May be fatal if swallowed, inhaled, or 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.

FIRST AID: In case of poisoning call a physician immediately. Have patient lie down and keep quiet. If swallowed, vomiting should be induced.

Administer milk or water freely and induce vomiting by giving one dose (15 mL) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. The patient should be lying down with the head below the foot level and facing down or to one side. Professional medical assistance should be secured immediately. DO NOT INDUCE VOMITING TO AN UNCONSCIOUS PERSON OR TO PERSONS IN A CONVULSIVE STATE. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash immediately with flowing water for at least 15 minutes.

TOXICOLOGICAL INFORMATION: The compound inhibits cholinesterase resulting in stimulation of the central nervous system. This results in a sense of "tightness" in the chest, sweating, contracted pupils, stomach pains, vomiting and diarrhea. In case of poisoning call a physician immediately. The antidote is atropine sulfate administered in large therapeutic doses repeated as necessary to the point of tolerance. 2-PAM is also antidotal and may be administered in conjunction with atropine. Do not give morphine. Watch for pulmonary edema, which may develop in serious cases of poisoning even after 12 hours. At first sign of pulmonary edema, the patient should be placed in an oxygen tent and treated symptomatically.

## NOTICE

Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risks to persons or property arising from the use or handling of this product and accepts the product on that condition.

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| MIXING CHART - GROUND APPLICATIONS: | | | | | |
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| USAGE | DOSAGE BAYTEX L.C. | AMOUNT OF BAYTEX L.C. NEEDED FOR GIVEN AREA | | | |
| Thermal Fog: | | 100 ha | 250 ha | 500 ha | 1000 ha |
| Standard Calibration | | | | | |

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| | 4 mL/L<br><br><br><br>8 mL/L | 650 mL in 175 L oil<br><br>1.4 L in 175 L oil | 1.7 L in 425 L oil<br><br>3.4 L in 425 L oil | 3.25 L in 875 L oil<br><br>6.5 L in 875 L oil | 6.5 L in 1750 L oil<br><br>13 L in 1750 L oil |
| Mist Spray:<br><br>Standard Calibration | | 50 ha | 100 ha | 500 ha | 1000 ha |
| | 50 mL/ha<br><br><br><br>100 mL/ha | 2.5 L in 265 L water<br><br>5 L in 265 L water | 5 L in 525 L water<br><br>10 L in 525 L water | 10 L in 26000 L water<br><br>20 L in 2600 L water | 50 L in 5200 L water<br><br>100 L in 5200 L water |
| Residual Spray: | | 100 m(2) | 500 m (2) | 1000 m (2) | 2500 m (2) |
| | 6 mL/L | 60 mL in 10 L water | 300 mL in 50 L water | 600 mL in 100 L water | 1.5 L in 250 L water |
| | 12 mL/L | 120 mL in 10 L water | 600 mL in 50 L water | 1.2 L in 100 L water | 3 L in 250 L water |
| MIXING CHART - AIR APPLICATIONS: | | | | | |
| Low Volume Sprays:<br><br>(Applying total volume of 3 L/ha) | | 50 ha | 100 ha | 200 ha | 500 ha |
| | 50 mL/ha | 2.5 L in 137.5 L oil | 5 L in 275 L oil | 10 L in 550 L oil | 25 L in 1375 L oil |
| | 100 mL/ha | 5 L in 137.5 L oil | 10 L in 275 L oil | 20 L in 550 L oil | 50 L in 1375 L oil |

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| Convent-ional Sprays:<br><br>(Applying total volume of 10 L/ha | | 10 ha | 20 ha | 100 ha | 500 ha |
| | 50 mL/ha | 500 mL in 110 L oil | 1 L in 220 L oil | 5 L in 1100 L oil | 25 L in 5500 L oil |
| | 100 mL/ha | 1 L in 110 L oil | 2L in 220 L oil | 10 L in 1100 L oil | 50 L in 5500 L oil |

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