

1. Adulthrin 10EC

Common name	: Cypermethrin
Structural formula	: Structure of cypermethrin
Molecular formula	: C ₂₂ H ₁₉ Cl ₂ NO ₃
Composition	: Cypermethrin tech. (95%).....10.75 w/w Emulsifier10.00 w/w Xylene/Solvent.....79.25 w/w ----- Total 100.00 w/w
Formulation type	: Emulsifiable Concentrate (EC).
Target pest (registered)	: Adult mosquito. : Mosquito larvae
Others use	: Control of a wide range of insects, especially Lepidoptera, but also Coleoptera, Diptera, Hemiptera, and other classes, in fruit (including citrus), vines, vegetables, potatoes, cucurbits, lettuce, capsicums, tomatoes, cereals, maize, soya beans, cotton, coffee, cocoa, rice, pecans, oilseed rape, beet, ornamentals, forestry, etc. Control of flies and other insects in animal houses; and mosquitoes, cockroaches, houseflies and other insect pests in public health. Also used as an animal ectoparasiticide.
Dose	: 120 ml/ha against adult mosquito. 200 ml/ha against mosquito larvae.
Pack size	: One litre bottle, 5 litre can, 20 litre drum & 200 litre drum or customize.
Toxicity	: Moderately hazardous, WHO toxicity class II technical grade active ingredients in pesticide. LD ₅₀ value of Adulthrin 10EC (Cypermethrin 10%) 41,430mg/kgb.w for rat as active ingredients LD ₅₀ 4,123mg/kgb.w.
Use technique	: Thermal fogger machine, ULV machine as adulticide or hand spray machine as larvicide.
Mode of action	: Non-systemic insecticide with contact and stomach action. Also exhibits anti-feeding action. Good residual activity on treated plants. Cypermethrin is a synthetic pyrethroid and a permethrin analogue. This group of chemicals acts primarily on the basal ganglia of the central nervous system, causing repetitive nerve action through prolongation of sodium permeability during the recovery phase of the action potential of neurons.
Unique feature	:
Contamination	:
First aid	:

2. Larvaefos 20EC

Common name	: Chlorpyrifos
Structural formula	:
Molecular formula	: C ₉ H ₁₁ Cl ₃ NO ₃ PS
Composition	: Chlorpyrifos tech. (90%).....21.05 w/w Emulsifier10.00 w/w Xylene/Solvent68.95 w/w ----- Total 100.00 w/w
Formulation type	: Emulsifiable Concentrate (EC)
Target pest (registered)	: Mosquito larvae
Others use	: Control of Coleoptera, Diptera, Homoptera and Lepidoptera in soil or on foliage in over 100 crops, including pome fruit, stone fruit, citrus fruit, nut crops, strawberries, figs, bananas, vines, vegetables, potatoes, beet, tobacco, soya beans, sunflowers, sweet potatoes, peanuts, rice, cotton, alfalfa, cereals, maize, sorghum, asparagus, glasshouse and outdoor ornamentals, turf, and in forestry. Also used for control of household pests (Blattellidae, Muscidae, Isoptera), mosquitoes (larvae and adults) and in animal houses.
Dose	: 62.5 ml/ha
Toxicity	: Moderately hazardous, WHO toxicity class II technical grade active ingredients in pesticide. The LD ₅₀ value of Larvaefos 20EC (Chlorpyrifos 20%) 1,350mg/kgb.w for rat as active ingredients LD ₅₀ 270mg/kgb.w.
Use technique	: Spray machine
Mode of action	: Non-systemic insecticide with contact, stomach, and respiratory action.
Unique feature	:
Contamination	:
First aid	:

3. Mosquito Killer

Common name	: Permethrin + Prallethrin/ETOC + Tetramethrin
Structural formula	
Permethrin	
Prallethrin	
Tetramethrin	
Molecular formula	: PermethrinC ₂₁ H ₂₀ Cl ₂ O ₃ Prallethrin C ₁₉ H ₂₄ O ₃ TetramethrinC ₁₉ H ₂₅ NO ₄
Composition	: Permethrin.....0.20 w/w Prallethrin/ETOC.....0.20 w/w Tetramethrin.....0.20 w/w Perfume.....0.10 w/w Deodorize Kerosene.....1.00 w/w ----- Total 100.00 w/w
Formulation type	: Ready For Use (RFU).
Target pest (registered)	: Adult mosquito.
Others use	: A wide range of flying insect.
Dose	: 600 ml/ha
Toxicity	: The LD ₅₀ value of formulated product, Mosquito Killer 7,31,957mg/kgb.w which is marked as U, unlikely to present acute hazards in normal use by WHO toxicity category.
Use technique	: Thermal fogger machine or ULV machine.
Mode of action	: Non-systemic insecticides with combined action of knockdown and lethal agent.
Unique feature	
Contamination	
First aid	

4. Shesh 50EC

Common name	: Temephos
Structural formula	: C ₁₆ H ₂₀ O ₆ P ₂ S ₃
Composition	: Temephos tech.50.95 w/w Emulsifier08.00 w/w Xylene/Solvent41.05 w/w ----- Total 100.00 w/w
Formulation type	: Emulsifiable Concentrate (EC)
Target pest (registered)	: Mosquito larvae
Others use	: Temephos is also used to control midge, gnat, punkie, and sandfly larvae in non-potable water (stagnant, saline, brackish and temporary water bodies), waters high inorganic content, highly polluted water, including moist areas, woodland pools, shallow ponds, edges of lakes, swamps, marshes, tidal waters, intertidal zones, catch basins, and tire piles. It is an important resistance management tool for mosquito abatement programs.
Dose	: 100 ml/ha
Toxicity	: The LD ₅₀ value of formulated product, Shesh 50EC 17,200mg/kgb.w against male rat which is marked as U, unlikely to present acute hazards in normal use by WHO toxicity category.
Use technique	: Spray machine
Mode of action	: Temephos affects the central nervous system through inhibition of cholinesterase. In larvae, this results in death before reaching the adult stage.
Unique feature	:
Contamination	:
First aid	:

5. Adultilambda

2.5EC (under trail for registration)

Common name	: Lambda-cyhalothrin
Structural formula	: Structure of Lambda-cyhalothrin
Molecular formula	: C ₂₃ H ₁₉ ClF ₃ NO ₃
Composition	: Lambda-cyhalothrin tech. (90%).....02.63 w/w Emulsifier09.00 w/w Xylene/Solvent.....88.37 w/w ----- Total 100.00 w/w
Formulation type	: Emulsifiable Concentrate (EC).
Target pest (registered)	: Adult mosquito. : Mosquito larvae.
Others use	: Control of a wide spectrum of insect pests, e.g. aphids, Colorado beetles, thrips, Lepidoptera larvae, Coleoptera larvae and adults, etc., in cereals, hops, ornamentals, potatoes, vegetables, cotton, and other crops. Provides good control of insect-borne plant viruses, at 2-5 g/ha. Also used for control of insect pests in public health.
Dose	: 120 ml/ha against adult mosquito. 200 ml/ha against mosquito larvae.
Pack size	: One litre bottle, 5 litre can, 20 litre drum & 200 litre drum or customize.
Toxicity	: Moderately hazardous, LD ₅₀ value of Adult lambda 2.5EC (Lambda-cyhalothrin 2.5%) 3,160mg/kg.b.w against male rat where LD ₅₀ value of active ingredients 79mg/kg.b.w. WHO toxicity class II technical grade active ingredients in pesticide.
Use technique	: Thermal fogger machine, ULV machine as adulticide or hand spray machine as larvaecide.
Mode of action	: Non-systemic insecticide with contact and stomach action, and repellent properties gives rapid knockdown and long residual activity.
Unique feature	:
Contamination	:
First aid	:

6. Demolisher 5WP

Common name	: Deltamethrin
Structural formula	:
Molecular formula	: C ₂₂ H ₁₉ Br ₂ NO ₃
Composition	: Deltamethrin tech.05.00 %w/w Detergent04.00 %w/w Dispersant04.00 %w/w White Carbon...05.00 %w/w Kaolin or Calcium Carbonate.....82.00 %w/w ----- Total 100.00 %w/w
Formulation type	: Wettable Powder (WP)
Target pest (registered)	: Mosquito : Sand fly
Others use	: There are many uses for Deltamethrin, ranging from agricultural uses to home pest control. Deltamethrin has been instrumental in preventing the spread of diseases carried by tick-infested prairie dogs, rodents and other burrowing animals. It is helpful in eliminating and preventing a wide variety of household pests, especially spiders, fleas, ticks, carpenter ants, carpenter bees, cockroaches and bedbugs. Deltamethrin is also one of the primary ingredients in ant chalk.
Dose	: Adult mosquito - 100g/10 litre
Toxicity	: Sand fly - 100g/10 litre
Use technique	: Hand spray machine
Mode of action	: The parent compound is the active toxin; Deltamethrin is neurotoxin acting primarily on the basal ganglia of the central nervous system. It causes repetitive nerve action through prolongation of sodium permeability during the recovery phase of the action potential in neurons.
Unique feature	:
Contamination	:
First aid	:

7. Invent Liquid Insecticide

Common name	: Permethrin + Prallethrin/ETOC + S-bioallethrin
Structural formula	:
Permethrin	:
Prallethrin	:
S-bioallethrin	:
Molecular formula	: PermethrinC ₂₁ H ₂₀ Cl ₂ O ₃ Prallethrin C ₁₉ H ₂₄ O ₃ S-bioallethrin C ₁₉ H ₂₆ O ₃ Composition : Permethrin.....0.20 w/w Prallethrin/ETOC.....0.20 w/w S-bioallethrin.....0.10 w/w Perfume.....1.80 w/w Deodorize Kerosene.....97.40 w/w ----- Total 100.00 w/w
Formulation type	: Ready For Use (RFU).
Target pest (registered)	: Adult mosquito.
Others use	: A wide range of flying insect; nymph & adult cockroach, flies, bed bug, silver insect etc.
Dose	: 500 ml/ha
Toxicity	: The LD ₅₀ value of formulated product, Invent Liquid Insecticide (Permethrin 0.2% + Prallethrin 0.2% + S-bioallethrin 0.1%) 8,82,534mg/kgb.w which is marked as U, unlikely to present acute hazards in normal use by WHO toxicity category.
Use technique	: Thermal fogger machine or ULV machine.
Mode of action	: Non-systemic insecticides with combined action of knockdown and lethal agent.
Unique feature	:
Contamination	:
First aid	: