

CONTROL OF MOSQUITO LARVAE (Professional Applicators)

Insecticide	Comments, Application Instructions
<u>For Waste Disposal Lagoons:</u>	
<i>Bacillus thuringiensis israelensis</i> ¹ (several brand names and formulations)	Check labels for application instructions.
Agnique MMF (monomolecular surface film)	Apply 0.2- 1.0 gallons per surface acre.
Altosid LL (methoprene)	Check labels for application instructions.
Altosid XR Extended Residual Briquets (methoprene)	Check label for application instructions.
Altosid Pellets (methoprene)	Check label for application instructions.
Altosid XR-G (methoprene granules)	Check label for application instructions.
Mosquito Larvicide GB-1111 (petroleum distillates)	Apply at uniform rates of 3 to 5 gallons per acre.
Bonide (mineral oil)	Apply 1-4 gallons per surface acre as per label instructions.
<i>Bacillus sphaericus</i> (Vectolex)	For control of Culex species and others (see label for other species included). Check label for instructions.
Arosurf MSF (monomolecular surface film)	Check label for instructions
BVA Spray 13 (petroleum distillate)	Check label for instructions
BVA 2 Mosquito Larvicide Oil (petroleum distillate)	Check label for instructions
<u>General Larvicides:</u>	
Agnique MMF (monomolecular surface film)	Apply 0.2-0.5 gallons per surface acre according to developmental state.
Abate 4E (temephos)	Apply 0.5 to 1.5 ozs per acre. Use high rate in water with high organic content.
Abate granules (temephos) (several formulations ¹)	Check label for application instructions.
<i>Bacillus thuringiensis israelensis</i> ¹ (several brand names and formulations)	Check label for application instructions.
Altosid LL (methoprene)	See instructions under wastewater lagoons.
Altosid Briquets (methoprene)	Check label.
Altosid Pellets	Check label.
Altosid XR-G	Check label.
Altosid SBG	Check label.
<i>Bacillus sphaericus</i> (Vectolex)	For control of Culex species and others (see label for other species included). Check label for instructions.
Mosquito Larvicide GB-1111 (petroleum distillates)	Apply at uniform rates of 3 gallons per acre or less.
Arosurf MSF (monomolecular surface film)	Check label for instructions.
BVA 2 Mosquito Larvicide Oil (petroleum distillate)	Check label for instructions.
BVA Spray 13 (petroleum distillate)	Check label for instructions.

¹ Teknar G, Tecknar HP-D, Aqua Bac, Vectobac G, Vectobac WP, Summit Bti Briquets

ADULT MOSQUITO CONTROL (Professional Applicators)

Insecticide	Comments, Application Instructions
<u>Residual Spray:</u>	
Permanone (10% permethrin)	Mix 1.3 fluid oz. per gallon of water
Demand CS (9.7% lamdacyhalothrin)	Mix 0.2 to 0.4 fluid oz. per gallon water.
Suspend SC (4.75% deltamethrin)	Mix 0.75 to 1.5 fluid oz. per gallon of water.
Talstar (7.9% bifenthrin)	Mix 0.1 to 0.21 fluid oz. per gallon of water.
<u>Thermal Fog-Ground:</u>	
Fyfanon ULV (95% malathion)	Dilute at rate of 6-8 ozs per gallon of fuel oil. Apply at rate of 80 gallons per hour at 10 mph.
<u>ULV Ground (Non-thermal)</u>	
Fyfanon ULV (95% malathion)	Apply 2.0 to 4.3 fl ozs per minute at 10 mph.
Scourge (Resmethrin 4% + PBO 12%) (Resmethrin 18% + PBO 54%)	Check label for rates and application instructions.
Permethrin + PBO (several brand names and formulations ¹)	Check labels for rates and application instructions.
Anvil (Sumithrin + PBO)	Check label for rates and application instructions.
Pyrethrins + PBO (Pyrenone and MGK products)	Check label for application instructions
<u>ULV Aerial Application:</u>	
Permethrin + PBO (several brand names and formulations ¹)	Check labels for application instructions.
Fyfanon ULV (96.5%)	Apply 2.6-3.0 fl ozs of undiluted product per acre.
Dibrom (87.4% naled)	Apply 0.5-1.0 fl oz of undiluted product per acre.
Scourge (Resmethrin 4% + PBO 12%) (Resmethrin 18% + PBO 54%)	Check label for application instructions.
Pyrethrins + PBO (Pyrenone and MGK products)	Check label for application instructions

¹ Aqua-Reslin, Aqua-Kontrol, some Permanone formulations