

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) Agnique MMF (monomolecular surface film) | Check labels for application instructions. 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