

Mosquito Control - Commercial Products

Mosquito Larvicides

Table 1. Professional Applicators

Active ingredient	Formulation	Product Names
<i>Bacillus thuringiensis israeliensis</i>	Granules and pellets	Aquabac 200G, Aquabac 400G, Fourstar WSP, Fourstar SBG, Teknar CG, Teknar G, VectoBac GR, VectoBac GS, VectoPrime FG
	Aqueous suspension	Aquabac XT, Teknar SC, Teknar HP-D
	Briquets	Fourstar Briquets (45 and 180 days), Fourstar Sustained release briquettes (45 and 150 day)
<i>Bacillus sphaericus</i>	Granules	VectoLex CG, VectoLex FG, VectoLex WDG, Spheratax SPH
	Water-soluble pouch	VectoLex WSP
<i>Bacillus thuringiensis israeliensis</i> and <i>Bacillus sphaericus</i> combined	Granules	VectoMax FG or CG, Fourstar CRG, Fourstar MBG,
	Water-soluble pouch	VectoMax WSP
	Briquets	Fourstar Briquets (90 days)
Methoprene (insect growth regulator)	Liquid larvicide	Altosid Liquid Larvicides (SR-5 and SR-20)
	Pellet	Metalarv S-PT, Altosid Pellets, Altosid Pellets WSP
	Briquets	Altosid 30 day Briquet, Altosid XR Briquet
	Granules	Altosid XR-G, Altosid SBG-II
Larviciding oils	Monomolecular surface films	Agnique MMF (<i>discontinued</i>)
	Petroleum distillates	Cocobear, BVA 2, Kontrol Mosquito Larvicide
Spinosad	Emulsifiable concentrate	Natular 2EC
	Tablet	Natular DT, Natular T30, Natular XRT
	Granule	Natular G, Natular G30

Adult Mosquitoes

Table 2. Residual Spray

Insecticide	Comments and Application Instructions
Permanone (10% permethrin)	Mix 1.3 fluid ounces per gallon of water
Demand CS (9.7% lamda-cyhalothrin)	Mix 0.2-0.4 fluid ounce per gallon water.
Suspend SC (4.75% deltamethrin)	Mix 0.75-1.5 fluid ounces per gallon of water.
Talstar (7.9% bifenthrin)	Mix 0.1-0.21 fluid ounce per gallon of water.

Table 3. Thermal Fog-Ground

Insecticide	Comments and Application Instructions
Fyfanon ULV (95% malathion)	Dilute at rate of 6-8 ounces per gallon of fuel oil. Apply at rate of 80 gallons per hour at 10 mph.

Table 4. ULV Ground (Nonthermal)

Insecticide	Comments and Application Instructions
Fyfanon ULV (95% malathion)	Apply 2.0-4.3 fluid ounces per minute at 10 mph.
DeltaGard (Deltamethrin)	Check label for rates and application instructions.
Scourge (Resmethrin 4% + PBO 12%)	Check label for rates and application instructions.
(Resmethrin 18% + PBO 54%)	Check label for rates and application instructions.
Permethrin + PBO (several brand names and formulations')	Check labels for rates and application instructions.
Anvil (Sumithrin + PBO)	Check label for rates and application instructions.
Zenivex (Etofenprox, non-ester pyrethroid)	Check label for rates and application instructions.
Pyrethrins + PBO (Pyrenone and MGK products)	Check label for application instructions.
Duet (Phenothrin + Prallethrin)	Check label for application instructions.

Table 5. ULV Aerial Application

Insecticide	Comments and Application Instructions
Permethrin + PBO (several brand names and formulations ¹)	Check labels for application instructions.
Fyfanon ULV (96.5%)	Apply 2.6-3.0 fluid ounces of undiluted product per acre.
Dibrom (87.4% naled)	Apply 0.5-1.0 fluid ounce of undiluted product per acre.
Scourge (Resmethrin 4% + PBO 12%)	Check label for application instructions.
(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.

