

Table 4. Mist and/or Residual Spraying for Adult Mosquito Control (Follow Label Directions and Safety Precautions)

Insecticide	Formulation	Amount Formulation Per Acre	Concentration of Active Ingredient in Prepared Spray	Remarks
carbaryl (Sevin)	41.2% SUS various	0.5 to 1 qt. —	— 1%	Sevin is highly toxic to bees. Sevin injures Boston ivy, Virginia creeper and maidenhair fern. Treat when adult mosquitoes are active in early morning or at dusk. Repeat at seven to ten day intervals. Do not allow public use of treated areas during application or until sprays have dried.
chlorpyrifos* (Dursban) (Empire) (Mosquitomist Two)†	44.9% EC 22.1% EC 20% F 24.6% EC	0.8 to 1.6 oz. 1.6 to 3.2 oz. — 1.5 to 3.2 oz.	— — 0.2 to 0.5% —	Read complete Environmental and Use Precaution sections and consult your State Fish and Game Department before using this product for mosquito control.
chlorpyrifos + pyrethrins (Dual Use)	31.9% + 3.3% EC	—	0.5%	Labeled for use in animal quarters only. Do not allow spray to contact foodstuffs, water supplies, animals or poultry. This product is toxic to birds, fish and wildlife and highly toxic to bees. Avoid exposure to reptiles.
cyfluthrin* (Tempo)	24.3% C	4 oz.	0.05 to 0.1%	Apply 1 oz. per 100 gallons of water. Apply as a general spray concentrating on damp areas beneath shrubbery and in areas of tall grass or weeds. Do not allow spray or drift to contact fish inhabiting water or any food crops.
cypermethrin* (Cynoff, Cyper-Active, Vikor)	various	—	0.1%	Cypermethrin is extremely toxic to fish. Do not contaminate any body of water. Do not apply to edible plants. Do not allow adults, children or pets to contact treated surfaces until spray has dried completely.
deltamethrin* (Suspend)	4.75% SC	—	0.03%	Labeled for use in unoccupied livestock and poultry barns. Extremely toxic to fish and aquatic invertebrates.
diazinon	various	—	0.5%	Toxic to fish, birds and wildlife.
malathion	57% EC 50% EC	8 to 13 oz. 3.0 oz.	— —	May be toxic to certain species of fish in shallow water. Do not use during heavy bee activity. Car finish may be spotted. If exposure occurs, cars should be washed immediately. Repeat applications as needed.
methoxychlor (Marlate)	25% EC	1 part 25% EC in 4 parts water for 5% spray. Apply 0.5 gal. spray/acre	3%	Do not apply to food crops. Toxic to fish and bees.
permethrin† (Permethrin)*	57% OS 13.3% EC 10% EC 6% RTU	2.5 fl. oz. 5.0 oz. per one gal. water — —	— — — —	Highly toxic to bees and fish. Do not use on food, forage or pasture crops or surface water supplies. This has replace Permanone 10 EC.
propoxur (Baygon)	various	—	1.1%	For use only on exterior structural surface. Do not treat plants such as trees, shrubs, lawns or other flowering ornamentals. Toxic to fish, birds and wildlife.
pyrethrins	25% S 6% S 1% S various	0.6 gal 2.56 oz. 3.96 to 4.95 oz. —	— — — 0.1 to 3%	Do not dilute further.
tralomethrin* (Saga)	40% WP	—	0.03%	Do not apply to edible plants. Do not allow adults, children or pets to contact treated surfaces until spray has dried completely. Extremely toxic to fish and other aquatic organisms.

*To be applied only by licensed, certified pesticide applicators.

† Please note that the only labels that are specifically labeled for mosquitoes in Table 4 are the Mosquitomist Two label and the Permethrin labels. The rest list mosquitoes as an incidental pest.

C=Concentrate, EC=Emulsifiable Concentrate, F=Flowable, OS=Oil soluble, RTU=Ready to Use, S=Sprayable, SC=Suspended Concentrate, SUS=Suspension, WP=Wettable Powder