

Insects in Recreation Areas

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Table 6.1 - Recommended Insecticide and Control Use

Pests	Pesticide		Application and Remarks
Outdoor Ants Ant Baits	For colony control, ant species must be identified before a proper bait can be selected. Ants are finicky eaters and may prefer either a sweet or protein-based bait. Once the ant is identified, put out an appropriately labeled bait where foraging ants are seen.		A general control program for ants is not recommended. If they are a serious pest, the nests should be located and removed. Foraging ant trails should be baited.
	Chiggers	carbaryl	Sevin 22.5% Concentrate Sevin 5% Dust
		cypermethrin ¹	Demon EC 0.1%
Blood-feeding Flies (Deer Flies, Adult Mosquitoes, Black Flies)	resmethrin	Outdoor Insect Fogger	Outdoors: Good sanitation and tight screens are sound preventive control measures. Use of the fly swatter is still practical. Do not contaminate food or utensils with insecticides.
	tralomethrin 0.03%	Home Insect Control	
	bifenthrin 0.05%	Home Defense	
Mosquito Adults	Repellents for personal protection		Use Deet or ethyl hexanediol
	D-CIS/Trans Allethrin 0.25%	Mosquito Repellent Coils	Indoor: Use aerosol spray according to label directions. Spray shrubs, flowers, and trees for resting mosquitoes. Wear light colored clothing, limit outdoor activity in evening. Avoid using "Bug Zappers" which are generally ineffective against mosquitoes.
	Aerosol Sprays D-CIS/Trans Allethrin 0.143%	Flying Insect Killer	
	Permethrin 0.15% Plus	Hot Shot Flying Insect	Outdoor: It is imperative to remove clutter and debris that can collect and hold rainwater. These items become prime habitats for container breeding mosquitoes.
Mosquito Larvae	temphos	Abate 43% EC Abate Granules	Apply larvicides based on inspection of breeding sites and not on a routine basis. Open bodies of water, such as large ponds and streams, are not mosquito-breeding areas and should not be treated. Polluted water usually requires a higher rate of pesticide than required for clean water. Temphos is harmful to fish; keep out of lakes, ponds, and streams. Use methoprene in small bodies of water not known as fish habitats. Small backyard ponds should be checked for mosquito larvae. Remove outdoor breeding sites: water-holding containers such as old tires, cans, and buckets. Change water in bird baths and pet dishes frequently. Make sure gutters are not clogged.
	pyrethrins	Tossits 1% Capsules	
	methoprene	Altosid Briquets Altosid SR 10 Altosid Granules	
	Biologicals: <i>Bt</i> and methoprene <i>Gambusia</i> fish		

¹Professional use

6-2 Home and Yard Insect Control: *Insects in Recreation Areas*

Table 6.1 - Recommended Insecticide and Control Use (cont.)			
Pests	Pesticide		Application and Remarks
Spiders	Indoors: Insecticidal dusts		Indoors: Spiders, egg sacs, and webs can be removed with a vacuum. Dispose of bag immediately.
	Outdoors: esfenvalerate 0.425%	Pressurized Spray Ortho Concentrate	Outdoors: Spray pesticides applied around foundation will reduce home infestations. Practically all spiders in Virginia are harmless. The only exceptions are the black widow and brown recluse spiders, which are poisonous. However, these spiders hide and are not often affected by sprays.
Ticks (outdoor areas)	cypermethrin ¹	Demon TC 25.3%	Outdoors (area control of ticks): Do not spray plants with cypermethrin. Mow areas around the house.
	permethrin 0.25%	Eliminator Garden Dust or Spray	
	permethrin 2.5%	Eliminator Outdoor Insect Killer	
	carbaryl 21.3%	Sevin Liquid Brand Carbaryl Insecticide 2	
Wasps And Hornets	pyrethroids tetramethrin 0.2%	aerosol sprays Wasp and Hornet Killer	Outdoors/Indoors: Locate nest entrance during daylight hours. Apply pesticide at night when most insects will be in the nest. Wear protective clothing. Remove above ground nests when activity ceases.
	carbaryl	Sevin 27% Wasp and Hornet Killer (Aerosol)	For nests below ground, apply insecticide to entrance at night. Wear protective clothing at all times during treatment.
Yellowjackets (ground nests)	carbaryl	Sevin Dust 5% Baited Traps (Grenadine)	Outdoors/Indoors: For nests below ground, apply insecticide at night to entrance. Do not cover with soil. Wear protective clothing and a bee veil.
	tetramethrin 0.2%	aerosol spray Wasp and Hornet Killer	Baited traps can be used when pesticide application is undesirable. Traps should be checked and cleaned daily.

¹Professional use