

## ANIMAL INSECT CONTROL

Animal	Pest Problem	Insecticide Formulation	Method and Rate	Restrictions/Remarks
<b>BARNs, STABLES AND DAIRY BARNs</b> (Not for human dwellings) See <b>Poultry</b> section for poultry houses.	<b>Adult Flies</b>	<b>Sprays and Fogs</b> Rabon 50% WP (tetrachlorvinphos)	3 lb 50% WP in 7.5 gal water. Spray 1 gal/500-1,000 sq ft to wet all surfaces. Repeat every 3 or 4 weeks.	<b>General Precautions for All Insecticides Are:</b> <ol style="list-style-type: none"> <li>1. Apply where flies congregate; i.e., ceilings, light fixtures, walls, windows, etc. DO NOT apply within 1 week of applying whitewash.</li> <li>2. DO NOT spray in milk houses.</li> <li>3. DO NOT spray on milk utensils.</li> <li>4. DO NOT contaminate feed or water supplies. Cover them when spraying.</li> <li>5. Remove animals before spraying.</li> <li>6. Keep out of reach of animals and children.</li> <li>7. DO NOT mix a combination of compounds.</li> <li>8. Wear protective clothing—jacket or coveralls, cap or hat, rubber gloves, and preferably a respirator. Wash protective clothing after using. Wash with soap and water after spraying.</li> </ol> <p>Apply 0.5% dilution as a space spray mist; spray at the rate of 1 qt per 8,000 cu ft or at 1 qt per 1,000 sq ft for a coarse surface spray. For the 1.0% dilution, apply as above but only half the total volume of mixture. DO NOT use this product in areas where animals have received a direct organophosphate application within 8 hours. If animals are present, ventilate treated area immediately following application. DO NOT contaminate water, feed or foodstuffs, milk or milking utensils.</p> <p>Wet surfaces where flies rest. DO NOT spray animals, humans, animal feed or water. DO NOT apply more than once per week.</p> <p>Apply dilution to horizontal and overhead surfaces where flies rest. DO NOT make applications in areas where animals are present. Allow to dry before reintroducing animals or birds. DO NOT contaminate animal food, feed or water during application.</p> <p>Spray 1 gal of diluted spray to treat 500-1000 sq ft fly resting surfaces.</p> <p>Other similar permethrin formulations are registered as surface sprays.</p> <p>1 gal covers 1,000 sq ft. DO NOT use in milk rooms.</p> <p>Target areas where flies rest such as ceilings, trusses, rafters, supports, walls, windows and vegetation.</p> <p>Spray 1 gal of diluted spray to treat 500-1,000 sq ft fly resting surfaces.</p>
		Ravap EC (23% tetrachlorvinphos and 5.3% dichlorvos)	1 gal Ravap EC/25 gal water. Allow 4 hours to dry before returning cows to barn. Apply 1 gal spray solution/1,000 sq ft.	
		Atroban 11% EC (permethrin)	1 pt/10 gal clean water. Apply 1 gal/750-1,000 sq ft. Provides up to 8 weeks of control.	
		Atroban 42.5% EC (permethrin)	4 oz/10 gal water. Apply 1 gal/750-1,000 sq ft.	
		Permethrin 3.2 EC, Tengard SFR (36.8% permethrin)	4 oz/12.5 gal water. Apply 1 gal/750 sq ft.	
		Vapona Concentrate Insecticide (R) (40.2% dichlorvos)	2 oz/1.5 gal water (0.5% dilution) 5 oz/2 gal water (1.0% dilution)	
		Annihilator (0.02% deltamethrin)	Ready to use.	
		Grenade ER, Oxyfly, Cyonara 9.7 (9.7% lambda-cyhalothrin)	Mix 0.2-0.4 oz/gal water to make a 0.015% to 0.03% dilution.	
		Pyrethrins (synergized)	Use as directed on label.	
		Permethrin II (10% permethrin)	1 qt 10% permethrin/25 gal water. Use 1 gal/750 sq ft.	
GardStar 40% EC (permethrin)	4 oz/10 gal of water (surface spray).			
Talstar, Bifenthrin I/T 7.9F, Optashield CS (7.9% bifenthrin)	Mix with water and apply 0.33 to 1.0 oz product per 1,000 sq ft.			
StandGuard 5.9 (5.9% gamma-cyhalothrin)	Mix 0.16 oz (5 mL)/gal of water.			

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		QuickBayt, Martin's Quick Draw and Bonanza Fly Bait (0.5% imidacloprid and 0.1% muscalure (z)-9-tricosene) Ready-to-Use Fly Bait	Scatter 6 oz of bait/1,000 sq ft around the outside of dairies, stables, animal barns and inaccessible areas of animal housing facilities, or mix 1.5 oz bait/1 oz water, mix thoroughly, let stand for 15 minutes and paint on non-dusty fly resting areas inaccessible to animals.	Use around the outside of dairies and other animal housing structures. DO NOT apply to milking equipment or allow bait to contact food or water. Can be used inside horse stables, broiler, turkey and caged layer houses, swine confinement buildings, dairy barns and milking parlors <b>ONLY</b> if used in bait stations. Bait stations must be placed at least 4 feet above ground level and in areas inaccessible to animals, children or pets.
		QuickBayt Spot Spray (10% imidacloprid and 0.1% muscalure (z)-9-tricosene)	Mix 16 oz/gal of water. Carefully read label directions.	For use in and around agriculture production facilities such as poultry houses, turkey and chicken houses, cattle, sheep and goat facilities, feedlots, dairy barns, swine confinement buildings, dog kennels and horse stables. Carefully read label directions. DO NOT apply on surfaces accessible to children or pets. DO NOT apply where animals can ingest the bait. DO NOT apply to milking equipment at dairy facilities.
		QuikStrike Fly Scatter Bait (0.5% dinotefuran and 0.04% (z)-9-tricosene)	Scatter 4 oz/500 sq ft of fly breeding area, or use bait in any commercial bait station.	Use as a scatter bait only around the outside of animal housing areas. Bait stations must be hung at least 4 feet from ground level. Scatter baits and bait stations must only be used in areas inaccessible to animals, pets or children.
		QuikStrike Fly Bait Spray (0.5% dinotefuran and 0.04% (z)-9-tricosene)	To spray on, mix 2 oz product with 16 oz of water to treat 250 sq ft. To paint on, mix 2 oz product with 3 oz water to treat 250 sq ft.	Apply to fly resting areas such as walls, fences, window sills, posts, etc., typically 4 feet above the floor surface. DO NOT apply to milking equipment.
		Golden Malrin (1.1% methomyl and 0.049% (z)-9-tricosene)	Scatter 4 oz/500 sq ft of fly breeding area, or use bait in any commercial bait station.	Use as a scatter bait only around the outside of animal housing areas. Can be used in walkways of caged layer houses. Bait stations must be hung at least 4 feet from ground level. Scatter baits and bait stations must only be used in areas inaccessible to animals, pets or children.
		Elector Bait (0.5% spinosad and 0.04% (z)-9-tricosene)	Scatter 12-16 oz of Elector Bait per 2,000 sq ft. Elector Bait can also be used in bait stations or applied to hang boards/cards. Use 8-10 bait stations or hang boards/cards per 2,000 sq ft. See label for more detailed instructions on bait station and hang board/card use.	DO NOT allow Elector Bait to contact food, feedstuffs, water, milk or milking utensils. DO NOT use where milk is processed or stored. When using Elector in bait stations, hang stations in areas inaccessible to children, livestock and pets, Elector Bait stations or hang cards must be located at least 4 feet above the ground.

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		QuikStrike Fly Abatement Strip (1% nithiazine)	Ready-to-use strip. Hang 1 strip/100-300 sq ft depending on fly population.	Hang in enclosed areas protected from rain. Keep out of reach of children and animals.
	<b>Fly Maggots</b>	Neporex 2 SG (2% cyromazine)	<p><b>Spray:</b> Mix 1 lb Neporex 2 SG per gal of water. Apply as a coarse low-pressure spray on fly breeding sites with suitable spray equipment (hand-pressurized or power-operated sprayers). One gallon of finished solution will treat 200 sq ft.</p> <p><b>Scatter:</b> Apply 1 lb Neporex 2 SG per 200 sq ft. Apply directly and evenly on fly breeding sites. Use dry scattering only in case of wet manure or liquid manure.</p> <p>Treat edges and spillage areas around feed and water troughs and where manure accumulates. The spray solutions may also be applied 3 days after manure removal and repeated after next manure removal or when fly larvae are found.</p>	DO NOT apply directly to livestock or livestock feed. DO NOT feed treated manure to animals. Allow at least 1 day between last application and harvest. May be used with slatted floors to treat areas where manure and other refuse accumulate to create fly breeding sites.
	<b>Fire Ants</b>	Apply baits only on the perimeter of barns, stables and dairy barns.		
		Amdro Pro (hydramethylnon)	5 Tbsp/mound or 1.0-1.5 lb/acre if broadcast	Mound treatment – uniformly distribute materials 3-4 ft around the mound <b>NOT</b> on top of mound.
		Extinguish (methoprene)	3-5 Tbsp/mound or 1.0-1.5 lb/acre if broadcast	
		Extinguish Plus (methoprene and hydramethylnon)	3-5 Tbsp/mound or 1.0-1.5 lb/acre if broadcast	
		Esteem Ant Bait (pyriproxyfen)	2-4 Tbsp/mound or 1.5-2.0 lb/acre if broadcast	
		Clinch Ant Bait (abamectin)	5-7 Tbsp/mound or 1.0 lb/acre if broadcast	