

## ANIMAL INSECT CONTROL

Animal	Pest Problem	Insecticide Formulation	Method and Rate	Restrictions/Remarks	Minimum Days from Last Application to Slaughter
<b>SWINE</b>	<b>Sarcoptes Mange and Lice</b>	Gard Star 40% EC (permethrin)	4 oz/25 gal water. Treats 50-100 head.	Repeat at 14 days. Thoroughly wet or dip animals. Mange-spray pens thoroughly.	
		Atroban 11% EC (permethrin)	1 qt/50 gal water. Use 1 pt of spray per animal.	Do not spray food or water.	5
		Ivomec 1% Injection (ivermectin)	1 mL/75 lbs.	Administer subcutaneously only. An Ivomec 0.27% formulation is available for grower and feeder pigs.	18
		Dectomax injectable solution (1% doramectin)	1 mL/75 pounds body weight.	Intramuscular injection.	24
		Ectrin 10% WDL (fenvalerate)	Mix 1 qt/50 gal water.	Repeat in 14 days if necessary.	1
		Taktic 12% EC (amitraz)	Mix 1 qt/50 gal water.	Repeat in 7-10 days if necessary.	1
		Ectiban 5.7% EC (permethrin)	Mix 1 qt/25 gal water.	Repeat after 14 days.	5
		Prolate/Lintox-HD (11.75% phosmet)	Mix 1 qt/25 gal water.	Do not treat pigs less than 3 months old.	1
		Point-Guard (2% amitraz)	Ready-to-use pour-on.	Can be used in all production phases. Repeat in 7-10 days if necessary	
		Swine Gard Pour-on (10% permethrin)	Ready to use. Apply 3 mL per 100 lb of body weight up to a maximum of 15 mL. Pour across back of head and ears then apply down midline of neck and over shoulders.	Do not treat more often than every two weeks. For optimum control, two treatments 14 days apart may be required. Apply to swine 85 lb and over.	5
	<b>Demodex Mange</b>	No known treatments for swine.			
	<b>Lice Only</b>	Rabon 50% WP (tetrachlorvinphos)	Mix 4 lb/50 gal water or 1/2 lb/6 gal water.	Apply 1-2 quarts per animal as a coarse spray. Wet animal entirely.	0
		Co-Ral Fly and Tick Spray (6.15% coumaphos)	Mix 5 oz per 4 gal water. Spray animal until runoff.	Do not apply more frequently than 10 days.	10
		Co-Ral Emulsifiable Livestock Insecticide (11.6% coumaphos)	Mix 2.5 oz per 4 gal water. Spray animal until runoff.		10
		Co-Ral (shaker can) (coumaphos)	1 oz/head.		
		Atroban 11% EC (permethrin)	Apply 1/4-1/2 T.	Can be used on pigs less than 30 days old.	0
		Ectiban, Insectrin or Permethrin 0.25% D (permethrin)	1 oz/animal.		

## ANIMAL INSECT CONTROL

Animal	Pest Problem	Insecticide Formulation	Method and Rate	Restrictions/Remarks	
<b>SWINE BARNs</b> (not on animals)	<b>House Flies and Flies around the premises</b>	<b>Sanitation, Biological Control and Integrated Pest Management (IPM)</b>	Sanitation is critical to any fly control program in swine operations. IPM includes sanitation, insecticides (baits, contact insecticides, etc.), surveillance (monitoring and/or trapping) and biological control (conserving natural enemies and/or releases). Use insecticides judiciously to minimize impact on natural enemies and to prevent or delay insecticide resistance. Use a combination of management methods.	Waste (spilled feed, wet feed, manure and bedding) removal and management is the first line of defense in any filth fly management program. Prompt removal and disposal (such as spreading on pastures, use of lagoons, etc.) of waste will reduce filth fly breeding sites and break the house fly life cycle. Some producers have experienced reduced fly populations with weekly releases of parasitic wasps beginning in April or May. Releases should be made in dry areas out of traffic and in areas where flies reproduce. <b>Parasite and/or insecticide use are not a substitute for a good sanitation program.</b>	
		<b>Adult Flies</b>	Ravap EC (23% tetrachlorvinphos and 5.3% dichlorvos)	12 T/gal water.	Use 1 gal of diluted spray per 500-1,000 sq ft.
		Ectrin 10% WDL (fenvalerate)	1 qt/25 gal water.	Do not treat animals with the concentration. Remove animals until spray dries. Repeat in 14 days if necessary.	
		Pounce 3.2 EC (permethrin)	4 oz/12.5 gal. Apply 1 gal/750 sq ft.		
		Rabon 50% WP (tetrachlorvinphos)	1/2 lb/3 gal water.		
		Atroban 11% EC (permethrin)	1 pt/10 gal water.	Use 1 gal diluted spray per 750-1,000 sq ft.	
		Vapona Concentrate Insecticide ( <b>R</b> ) (40.2% dichlorvos)	2 oz/1.5 gal water (0.5% dilution). 5 oz/2 gal water (1.0% dilution).	Apply 0.5% dilution as a space spray mist to open air space at the rate of 1 qt/8,000 cubic feet or as a coarse surface spray to indoor surfaces at the rate of 1 qt /1,000 square feet. 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 organo-phosphate application within 8 hours. If animals are present, ventilate treated area immediately following application. Do not contaminate water, feed or foodstuffs.	
		Annihilator (0.02% deltamethrin)	Ready to use.	Wet surfaces where flies rest. Do not spray animals, humans, animal feed or water. Do not apply more than once per week.	
Grenade ER (9.7% lambda-cyhalothrin)	Mix 0.2 to 0.4 oz/gal water to make a 0.015% to 0.03% dilution.	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. Do not contaminate animal food, feed or water during application.			

## ANIMAL INSECT CONTROL

Animal	Pest Problem	Insecticide Formulation	Method and Rate	Restrictions/Remarks
<b>SWINE BARNES</b> (not on animals)	<b>Adult Flies</b> (cont.)	<b>Fly Baits</b> QuickBayt Disposable Fly Bait Strip (0.5% imidacloprid and 0.1% muscalure)	Ready-to-use strip. Use 1 bait strip per 250 sq ft.	Do not use in areas accessible to food-producing animals or allow to contact food or water. Bait strips must be placed at least 4 feet above ground level and in areas inaccessible to children, pets or animals. Do not allow bait to contaminate food or water.
		QuickBayt (0.5% imidacloprid and 0.1% muscalure) Ready-to-Use Fly Bait	Scatter 6 oz of bait/1,000 sq ft around the outside and inaccessible areas of swine confinement buildings 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.	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, pets or children.
		QuickBayt Spot Spray (10% imidacloprid and 0.1% tricosene)	16 oz/gallon of water.	For use in and around swine confinement buildings. Do not apply on surfaces accessible to children or pets. Do not apply where animals can ingest product.
		Golden Malrin (1.1% methomyl)	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 swine confinement buildings. Bait stations must be hung at least 4 feet above 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/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 or water. 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.