

Table 2. Quick knockdown sprays for cockroach control in swine barns

Mfr	Brand name	Item #	Unit	Active ingredient	Rate
Control Solutions	Stryker™ Insecticide Concentrate	052465	pint	natural pyrethrins (6.0%) + PBO (60.0%)	2.0 fl. oz. per 1 gal. water
	EverGreen® Pro 60-6	063831	quart	natural pyrethrins (6.0%) + PBO (60.0%)	2.0 fl. oz. per 1 gal. water
062001		gallon			
MGK	EverGreen® Pyrethrum Concentrate	059359	gallon	natural pyrethrins (5.0%; organic)	3.0 fl. oz. per 1 gal. water
	Microcare® 3% CS	115493	gallon (?)	natural pyrethrins (3.0%) + PBO (15.0%)	5.0 fl. oz. per 1 gal. water
	Riptide® Waterbased Pyrethrin ULV	052706	64 oz.	natural pyrethrins (5.0%) + PBO (25%)	Dilution: 1 part concentrate to 49 parts water
	ULD® BP-100	051790	quart	natural pyrethrins (1.0%) + PBO (5.0%)	Use undiluted
		051792	55 gal.		
Pertinent Animal Health	Adult Fly Concentrate	115553	gallon	geraniol (31.5%) + sodium lauryl sulfate (14.0%) + citronella oil (3.5%) + cedarwood oil (3.5%)	See label for directions
	Adult Fly RTU	115551	2.5 gal.	geraniol (1.00%) + citronella oil (0.05%) + cedarwood oil (0.05%)	See label for directions
Starbar	Pyronyl™ Crop Spray	059286	quart	natural pyrethrins (6.0%) + PBO (60.0%)	2.0 fl. oz. per 1 gal. water
		059287	gallon		
	UL-100 EC Insecticidal Spray	480198	55 gal.	natural pyrethrins (0.96%) + PBO (9.60%)	Dilute 1 part concentrate and 9 parts water

Prior to using any product mentioned in this article, carefully read and follow all available instructions, warnings, and safety information made available by the product's manufacturer.

Table 3. Bait and aerosol sprays for cockroach control in swine barns

Mfr	Brand name	Item #	Unit	Active ingredient
Rate: See label for detailed directions.				
Amrep Inc.	Country Vet Mosquito and Fly Spray (for use in automatic metered dispensers)	026524	6.9 oz.	natural pyrethrins (1.76%) + PBO (5.00%)
	Country Vet Farm & Dairy CV-80D for Insect Control	038836	18.5 oz.	natural pyrethrins (0.50%) + PBO (4.00%)
BASF	Clear Zone® Double Impact Farm Fly Spray	051781	20 oz.	natural pyrethrins (0.25%) + permethrin (0.25%) + PBO (2.00%)
Control Solutions	Martin's Stryker® Farm & Dairy Aerosol Insect Spray	064313	20 oz.	natural pyrethrins (0.5%) + piperonyl butoxide (4.0%)
Durvet	Dairy Bomb 55	051626	25 oz.	natural pyrethrins (0.5%) + PBO (5.0%)
	Dairy Bomb 55Z	051625	25 oz.	natural pyrethrins (0.5%) + PBO (5.0%)
Elanco	Catron® IV	014339	10 oz.	permethrin (0.50%)
MGK	Shockwave® 1 Flushing, Killing & Residual Aerosol	096402	17 oz.	natural pyrethrins (0.50%) + PBO (1.00%) + MGK 264 (1.50%) + bifenthrin (0.05%) + pyriproxyfen (0.20%)
Neogen	Prozap® CT-75 Aerosol Insecticide	053003	26 oz.	natural pyrethrins (0.7%) + PBO (5.0%)
	Prozap® Dy-Fly® Aerosol Insecticide	051690	25 oz.	natural pyrethrins (0.5%) + PBO (5.0%)
	Prozap® LD-44Z Insect Fogger	021366 043782	20 oz. 25 oz.	natural pyrethrins (0.5%) + PBO (4.0%)
Starbar	Alluvium™ Cockroach Gel Bait	099547	10.6 oz.	emamectin benzoate (0.1%)
	Cyanarox™ Insecticidal Bait	062808	28 lb.	cyantraniliprole (0.50%)

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Table 4. Cockroach insect growth regulators (IGRs) for use in swine barns

Mfr	Brand name	Item #	Unit	Active ingredient	Formulation	Targeted cockroach species
Control Solutions	Tekko™ 10	056686	gallon	novaluron (9.3%)	spray	nymphs of cockroaches
MGK	NyGuard® IGR Concentrate	061004	140 ml.	pyriproxyfen (10.0%)	spray	nymphs of cockroaches
		093669	480 ml.			
Starbar	Exhalt™ WDG Insect Growth Regulator	116418	5 lb.	novaluron (4%)	granules or spray	nymphs of cockroaches
		116417	14 oz.			

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Table 5. Empty-barn residual insecticides for cockroach control in swine barns




Mfr	Brand name	Item #	Unit	Active ingredient	Formulation	Rate
BASF	Alpine® WSG Water Soluble Granule Insecticide	063236	500 gram	dinotefuran (40.0%)	spray (water soluble granules)	10 to 30 grams per 1 gal. per 1,000 ft ²
	Optashield® CS	051787	120 oz.	cyfluthrin (6.0%)	spray (water-based; micro-encapsulated)	2.00 fl. oz. per 1 gal. water per 1,000 ft ²
	PermaCap CS®	051794	120 oz.	permethrin (23.0%)	spray (water-based; micro-encapsulated)	5.30 fl. oz. per 1 gal. water per 1,000 ft ²
Control Solutions	Cyzmic® CS	050610	quart	lambda-cyhalothrin (9.7%)	spray (water-based; micro-encapsulated)	0.80 fl. oz. per 1 gal. water per 1,000 ft ²
	Martin's® Permethrin SFR	040383	1.25 gal.	permethrin (36.8%)	spray (water-based)	2.0 fl. oz. per gal. water per 1,000 ft ²
	Permethrin CS	054140	120 oz.	permethrin (23.6%)	spray (water-based; micro-encapsulated)	5.30 fl. oz. per 1 gal. water per 1,000 ft ²
	Vector-Ban™ Plus	050619	0.5 gal.	permethrin (10.0%) + PBO (10.0%)	spray (water-based)	6.4 fl. oz. per gal. water per 1,000 ft ²
Elanco	CyLence Ultra™ Premise Spray	030934	240 ml.	beta-cyfluthrin (11.8%)	spray (water-based)	0.54 fl. oz. per 1 gal. water per 1,000 ft ²
	Vapona® Concentrate Insecticide*	058706	2.5 gal.	dichlorvos (40.2%)	spray (water-based)	See label for directions
Incide Technologies	Zone Defense®	116143	50 lb.	boric acid (64.0%)	water-soluble powder	2 lbs. per 100 ft ²
Merck	Grenade® ER Insecticide	013190	8 oz.	lambda-cyhalothrin (9.7%)	spray (water-based; micro-encapsulated)	0.80 fl. oz. per 1 gal. water per 1,000 ft ²
MGK	Onslaught® FastCap Spider and Scorpion Insecticide	061570	pint	esfenvalerate (6.4 %) + prallethrin (1.6%) + PBO (8.0%)	spray (water-based; micro-encapsulated)	1.0 fl. oz. per 1 gal. water per 1,000 ft ²
		063695	CS2			
		486918	30 gal.			
	Sector® Misting Concentrate	091755	gallon	permethrin (10.0%) + PBO (10.0%)	spray (water-based)	6.4 fl. oz. per gal. water per 1,000 ft ²
	Sumari®	113547	32 oz.	clothianidin (3.20%) + pyriproxyfen (3.90%)	spray (water-based)	2 fl. oz. per gal. water per 1,000 ft ²
		113548	gallon			
Tobex™ Multi MoA Concentrate	090119	gallon	lambda-cyhalothrin (4.00%) + prallethrin (0.40%) + pyriproxyfen (1.30%) + PBO (6.00%)	spray (water-based; micro-encapsulated)	1.00 fl. oz. per 1 gal. water per 1,000 ft ²	
	090118	2.5 gal.				
	090114	30 gal.				
Neogen	Prozap Gamma-Defense™	117427	quart	gamma-cyhalothrin (5.9%)	spray (water-based microencapsulated)	0.65 fl. oz. per gal. water per 1,000 ft ²
	Prozap® Vapona 400E*	088781	2.5 gal.	dichlorvos (40.2%)	spray (water-based)	See label for directions

Table 5. Empty-barn residual insecticides for cockroach control in swine barns (continued)

Mfr	Brand name	Item #	Unit	Active ingredient	Formulation	Rate
Pertinent Animal Health	P3 Poultry Pest Powder	115552	40 lb. pail	geraniol (4.0%) + thyme oil (4.0%)	dry powder	4–6 lbs. per 1,000 ft ²
	Starbar	Exhalt™ WDG Insect Growth Regulator	116418	5 lb.	novaluron (4.0%)	water-soluble granules
VetOne	Intersect II Pour-On™	540001	gallon	permethrin (1.0%) + PBO (1.0%)	spray (oil-based)	1 gal. will treat approximately 7,300 square ft.
		540010	2.5 gal.			
		540011	55 gal.			
	Intersect Gold Synergized Pour-On™	540003	gallon	permethrin (7.4%) + PBO (7.4%)	spray (oil-based)	500 ml will treat approximately 7,200 ft.
540004	2.5 gal.					

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Table 6. Equipment for applying insecticides in and around swine barns

Mfr		Model	Item #
A1 Mist Sprayer Systems		Ranger 40–Gallon Tank Mist Sprayer	097631
Curtis Dyna-Fog		Hurricane Fogger	050580
Stihl		SR 450 Backpack Sprayer/Duster	971795

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