

Products Used to Treat and Control External Parasites in Livestock

When using pesticides, read the labels carefully and follow directions and safety precautions. Never use pesticides inconsistent with the label. Record all pesticide usage. Never apply pesticides closer to slaughter dates than the number of days listed on the label. Avoid treatment to animals that are sick, overheated or stressed. DO NOT apply insecticides to lambs less than 3 months old, and use light applications on lambs 3 to 6 months old. water. Avoid contamination of feed, mangers, water, milk and milking equipment. Store pesticides in the original, labeled containers, safely locked away from children, pets and livestock.

Trade Name	Active Ingredient	Product Type	Approved Species	Label Use	Labeled Dosage	Withdrawal Time
Insecticides						
BackSide™ and BackSide™ Plus	1% Permethrin & 1% Piperonyl Butoxide	Pour-on Spray Ready-to-use	Beef cattle Horses Sheep Premises	sheep keds and lice horn and face flies horse and house flies mosquitos, black flies	1/2 oz/100 lbs. max 5 oz for cattle and 3 oz for sheep Do not treat more than every 2 weeks.	0 days slaughter 0 days milk discard
Boss®	5% permethrin	Pour-on	Beef cattle Dairy cattle Sheep and Goats	Horn flies, face flies lice, and keds	1.5 ml/100 lbs. 18 ml maximum for sheep	0 days slaughter 0 days milk discard
Catron IV	permethrin	Aerosol	Beef cattle Horses Swine Sheep and Goats	maggots screwworms ear ticks face flies	One can will treat 1-10 animals depending upon severity of fly-strike.	5 days slaughter swine
Co-Ral®	coumaphos	Spray or dip	cattle, horses poultry sheep , dogs premise	maggots keds lice		15 days slaughter
CyLence®	1% Cyfluthrin	Pour-on Ready-to-use	Beef cattle Dairy cattle	horn flies face lies biting and sucking lice	8 ml for flies 16 ml for lice Effective for 3 weeks	0 days slaughter
Diazinon	diazinon	concentrate spray	cattle swine sheep Do not use on goats	horn flies, face flies ticks keds, lice	4 oz/25 gal water for low pressure spray; 2 oz/25 gal water for high pressure spray	14 days slaughter

			premises			
Ectiban®-EC	5.7% permethrin	concentrate Pour-on or spray	Beef cattle Dairy cattle Horses Sheep and Goats premises	horn flies, face flies stable flies, house flies mange, lice, ticks	For horn flies, use spray method For mange, lice, ticks, etc., thoroughly wet the animal	0 days slaughter
Ectrin®	permethrin	Pour-on	Beef cattle Non-lactating dairy cattle Sheep Do not treat lactating goats	lice keds ticks	For sheep: 1/4 oz./50 lbs (up to 3 oz) pour along back line over neck, shoulders and rump Residual activity for 28 days	2 days
Expar®	permethrin	concentrate pour-on spray	Beef cattle Non-lactating dairy cattle Sheep	lice, flies fleas, mites	For sheep: 1/4 oz./50 lbs (up to 3 oz) pour along back line over neck, shoulders and rump Residual activity for 28 days	0 days
Gardstar® 40% EC	40% permethrin	concentrate	livestock horses premises Do not use on cats!	horse, house, stable, black flies, mosquitos, eye knats, mange mites, ticks, lice, fleas	1-2 oz per animal	0 days slaughter
Permethrin 1.0%	1% permethrin	Pour-on	Beef cattle Non-lactating dairy cattle Sheep	lice, flies fleas, mites	For sheep: 1/4 oz./50 lbs (up to 3 oz) pour along back line over neck, shoulders and rump Residual activity for 28 days	0 days slaughter 0 days milk discard
Permethrin 1.0% Synergized	permethrin-synergized	Pour-on	Beef cattle Non-lactating dairy cattle Sheep	lice, flies fleas, mites keds	For sheep: 1/4 oz./50 lbs (up to 3 oz) Treat after shearing	0 days slaughter 0 days milk discard
Permethrin 10%	10% permethrin	Pour-on	Beef cattle Non-lactating dairy cattle Sheep Premise use	lice flies keds Not effective for grub control	For sheep: 1/4 oz./50 lbs (up to 3 oz) pour along back line over neck, shoulders and rump	0 days slaughter 0 days milk discard

Permethrin™II	10% permethrin	Pour-on Spray Dip	Beef cattle Non-lactating dairy cattle swine, horses, poultry dogs, sheep Premise use	flies, fleas, lice mites, ticks (including deer ticks) Aids in control of cockroaches, mosquitoes, and spiders.	30 day residual effect	5 days swine slaughter
Python™Dust	.075% zeta-cypermethrin	Dust	cattle horses sheep and goats	horn, face, and stable flies; lice, keds	2 oz. per animal	0 days slaughter 0 days milk discard
Synergized DeLice	permethrin - synergized	Pour-on or spray Ready-to-use	Beef cattle Non-lactating dairy cattle Sheep Premises	face flies stable flies house flies sheep keds and lice	Pour along back 8 cc per 50 lbs. After shearing	0 days withdrawal
Taktic® EC	12.5% Amitraz	Concentrate	Beef cattle Dairy cattle Swine Do not use on horses or dogs!	ticks mange mites lice	cattle 1 qt/100 gal. swine 1 qt/50 gal. thoroughly soak animals 2 treatments 7-10 days apart	3 days slaughter
Ultra Boss®	5% permethrin and 5% piperonyl butoxide	Pour-on	Beef cattle Dairy cattle Sheep	Horn flies, face flies lice, and keds	3 ml per 100 lbs.	0 days slaughter withdrawal 0 days milk discard

Anthelmintics that control external parasites

Cydectin® 0.5% pour-on	Moxidectin	topical	Beef cattle (not veal) Dairy cattle	cattle grubs horn flies mites, lice	5 ml/110 lbs.	0 days cattle slaughter 0 days milk
Cydectin® injectable	Moxidectin	Sub-Q injection	Beef cattle non-lactating dairy	cattle grubs horn flies mites, lice	5 ml/110 lbs.	21 days cattle slaughter
Cydectin® Oral Drench for sheep	Moxidectin	oral	Sheep not dairy sheep	not labeled in U.S. for control of external parasites in sheep	1 ml/11 lbs.	7 days sheep slaughter
Dectomax®	Doramectin	pour-on and	Cattle	grubs sucking lice	1 cc/110 lbs.	45 days slaughter cattle (pour-on) 35 days slaughter cattle

		injectable	Swine	mange mites		(injectable) 24 days slaughter swine (injectable)
Ivomec® 1% injection	Ivermectin	injectable	Cattle Swine	sucking lice mange mites (scabies) grubs	1 ml/110 lbs.	35 days slaughter cattle 18 days slaughter swine not established for milk
Ivomec® Sheep Drench 0.8% solution	Ivermectin	oral	Sheep	larval stages of nasal bot	3 ml/26 lbs.	11 days slaughter sheep Do not use on dogs!

Last updated 17-Jul-2010 by [Susan Schoenian](#).

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