





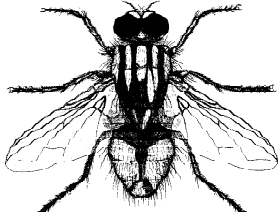
# Bulletin

Extension

## Lactating Dairy Cattle

Pests	Material and Formulation	Minimum Days from Last Application to Slaughter	Amount per Animal or Area if Appropriate	Remarks
<b>Cattle Grub</b>	No pesticides are currently registered for control of cattle grubs on lactating dairy cattle.			
				
<b>Face Fly</b> <b>Horn Fly</b> <b>House Fly</b> <b>Stable Fly</b>	permethrin (Ectiban, Insectrin) 5.7% EC	0	<b>Spray</b> 1 to 2 qt. per animal 1 to 2 oz. per animal	Mix 1 qt. 5.7% EC to 25 gallons of water. Mix 1 qt. 5.7% EC to 2 1/2 gallons of water. Spot treat back, face and ears.
	(Permethrin II, Insectrin X) 10% EL	0	Spray thoroughly	Mix 1 qt. 10% EL in 200 gallons of water. Repeat as needed, but not more frequently than every two weeks.
	(Atroban, Expar) 11% EC	0	2 qt. per animal	Mix 1 pt. 11% EC to 25 gallons of water. Thoroughly wet animals with spray after milking. Repeat not more often than once every two weeks.
	(Gardstar) 40% EC	0	1 to 2 qt. per animal  4 to 5 fl. oz.	Mix 4 fl. oz. 40% EC to 25 gallons of water. Treats 50 to 200 head  Mix 4 fl. oz. 40% EC to 2.5 gallons of water. Spray midline from face to tailhead to point of runoff.
	pyrethrins-synergized 0.03% to 0.1% plus synergist 0.5% to 1%	0	1 to 2 fl. oz. per animal	Ready to use. Repeat as needed. Do not wet skin. Wash teats and udders of milking animals before milking.
	tetrachlorvinphos and dichlorvos (Ravap) 28.7% EC	0	Up to 1/2 gallon	Mix 1 qt. 28.7% EC with 50 gallons of water. Repeat as necessary.
	diflubenzuron (Vigilante) 9.7%	0	<b>Bolus</b> 1 bolus per 550 to 1100 lb. body weight	Ready to use. Use standard balling gun. Do not administer to cattle weighing less than 300 lb. or more than 1 bolus to any animal.
<b>Horn Fly (Only)</b>	permethrin (GardStar) 40% EC	0	<b>Spray</b> 1 qt. per animal	Mix 4 fl. oz. 40% EC to 50 gallons of water. Treats 200 head.
<b>Face Fly</b> <b>Horn Fly</b>	coumaphos (Co-Ral) 5.8% EC 11.6% EC (Restricted Use)	0	<b>Backrubber or Self-Oiler</b> 1 gal. oil solution per 20 ft. of cable	Mix 4 qt. 5.8% EC or 2 qt. 11.6% EC in 13 gallons of mineral, No. 2 fuel or diesel oil or any approved backrubber base oil. Do not use motor or waste oils. Saturate and re-saturate rubbers as needed. Keep device charged.
	permethrin (Ectiban, Insectrin, Hard-Hitter) 5.7% EC	0	Self-Treatment	Mix 1 qt. 5.7% EC in 10 gallons of mineral, No. 2 fuel or diesel oil. Saturate cable. Keep rubbing device charged. Results improved by daily forced use.
	(Permethrin II, Insectrin X) 10% EC	0	Self-Treatment	Mix 1 qt. 10% EC in 20 gallons mineral, No. 2 fuel or diesel oil. Recharge oiler as needed.
	(Atroban, Expar) 11% EC	0	Self-Treatment	Mix 1 pt. 11% EC in 10 gallons of mineral, No. 2 fuel or diesel oil. Saturate cable. Keep device charged.
	(GardStar) 40% EC	0	Self-Treatment	Mix 4 fl. oz. 40% EC to 10 gallons of diesel oil or suitable mineral oil. Keep rubbing device charged. Results improved by daily forced use.
	tetrachlorvinphos and dichlorvos (Ravap) 28.7% EC	0	Self-Treatment	Mix 1 qt 28.7% EC with 7 gallons of mineral, No. 2 fuel or diesel oil. Keep device charged.


Lactating Dairy Cattle (continued)

Pests	Material and Formulation	Minimum Days from Last Application to Slaughter	Amount per Animal or Area if Appropriate	Remarks
<b>Face Fly</b> <b>Horn Fly</b> (continued)	coumaphos (Co-Ral, Zipcide)	0	Self-Treatment	Ready to use. Use 1 dust bag (12-1/2 lb.) per 10 to 20 animals. Do not treat calves less than 3 months old.
	1%	0	2 oz. per animal	Dust with shaker can evenly into the hairs of the head, neck, shoulders, back and tail head. Repeat as necessary.
	permethrin (Ectiban, Insectrin or Permethrin)	0	Self-Treatment	Ready to use. Use 1 dust bag (10 lb.) per 10 to 20 animals. Do not refill with permethrin if resistant horn flies are presently not controlled by pyrethroid ear tags.
	0.25%			
	tetrachlorvinphos (Rabon)	0	Self-Treatment	Ready to use. Use 1 dust bag (12-1/2 lb.) per 10 to 20 animals. Place bags near salt or mineral blocks, or in door exits or alleyways for daily use. Refill as needed.
	3%			
	<b>Ear Tag</b>			
	cyfluthrin (Cutter Gold)	0	2 tags per animal	Aids in control of face flies. Apply tags with the Allflex Tagging System when horn fly populations reach 100 to 200 flies per animal. Remove ear tags when fly control declines and especially at the end of the season.
	10%			
	fenthion 20% plus piperonyl butoxide 15% (Cutter Blue)	0	2 tags per animal	Aids in control of face flies. Apply tags with the Allflex Tagging System when horn fly populations reach 100 to 200 flies per animal. Remove ear tags when fly control declines and especially at the end of the season.
	cypermethrin 7.0% and chlorpyrifos 5.0% and piperonyl butoxide 3.5% (MAX-CON)	0	2 tags per animal	Aids in the control of lice. Wear gloves when applying tags with the Y-TEX two-piece tagging system when flies become a problem in the spring. Replace tags if needed. Remove tags before slaughter. Bury or discard in a safe place all tags removed from animals.
	fenvaterate (Aprotect, Ectrin, Vet Shack)	0	2 tags per head	Apply tags with the Allflex Tagging System when flies first appear in spring. Replace tags if needed. Remove tags before slaughter. Bury or discard in a safe place all tags removed from animals.
	8%			
	permethrin (Atroban, Expar, Insecta-Gard, Permethrin, Gard Star Plus, Ear Force, Coop, Deckem, Duodeckem, New Z Permethrin)	0	2 tags per head	Aids in the control of lice. Apply tags when flies first appear in the spring. Replace tags if needed. Remove tags before slaughter. Bury or discard in a safe place all tags removed from animals.
	10%			
	Zetacypermethrin 10% and piperonyl butoxide 20% (PYthon)	0	1 or 2 tags per head	To control horn flies for about three to four months and aid in control of face flies, apply one tag per animal in late spring. To control horn flies and face flies for four to five months apply two tags per head.
<b>Horn Fly</b>	<b>Spray</b>			
	coumaphos (Co-Ral) 5.8% EC 11.6% EC (Restricted Use) 25% WP	0	Depends on animal size and hair coat	Mix 2 qt. 5.8% EC or 1 qt. 11.6% EC or 1 lb. 25% WP in 100 gallons of water. Spray animals 3 to 6 months old lightly. Do not treat animals less than 3 months old. Spray animals thoroughly. Repeat as needed.
tetrachlorvinphos and dichlorvos (Ravap) 28.7% EC	0	Up to 1/2 gallon	Mix 1 qt. 28.7% EC in 50 gallons of water. Repeat as necessary.	





## Lactating Dairy Cattle (continued)

Pests	Material and Formulation	Minimum Days from Last Application to Slaughter	Amount per Animal or Area if Appropriate	Remarks	
<b>Ticks</b> (continued)	(permectrin II, Insectrin X) 10% EC	0	Up to 1 gal. per animal	Mix 1 pt. 10% EC in 100 gallons of water. Spray until animal is thoroughly covered and wet. A second treatment after 2 to 3 weeks is recommended. Do not treat more than once every 14 days.	
	(Atroban, Expar, Permaban) 11% EC	0	1 to 2 qts. per animal	Mix 1 pt. 11% EC in 25 gallons of water. Do not treat more often than every 14 days.	
	(GardStar) 40% EC	0	1 to 2 qts. per animal	Mix 4 fl. oz. 40% EC to 25 gallons of water. Treats 100 head.	
	tetrachlorvinphos and dichlorvos (Ravap) 28.7% EC	0	1/2 fl. oz. per ear Up to 1/2 gal. spray	EAR TICKS ONLY. Mix 4 fl. oz. to 2.5 gallons of water. With low pressure (hand pump), spray directly into ear. Mix 1 qt. 28.7% EC with 50 gallons of water. Repeat as needed.	
<b>Chorioptic Mites</b> (Barn itch mite, Tailhead mange)		amitraz (Taktic) 12.5% EC	2 gal. per fully grown animal	Mix 1 can (760 ml) 12.5% EC in 50 gallons of water. Two treatments 7 to 10 days apart are required for best mite control. Apply spray within 6 hours after mixing.	
		permethrin (Permethrin II, Insectrin X) 10% EC	14	1 gal. per animal	Mix 1 qt. 10% EC in 100 gallons of water and diesel fuel or other non-irritating oil. Spray face and back or whole body. Repeat after 3 to 5 weeks or as needed.
		(GardStar) 40% EC	0	1 to 2 qts. per animal	Mix 4 fl. oz. 40% EC to 25 gallons of water. Treats 100 head.
<b>Psoroptic Mange</b> (Scabies)	This is a reportable, quarantinable disease requiring that treatment be approved and overseen by federal or state veterinarians. Any suspect cases of psoroptic mange should be reported to an Ohio veterinarian. Accurate diagnosis requires microscopic examination of skin scrapings. Where cattle scabies is detected, contact the Ohio Department of Agriculture, Division of Animal Industry, 8995 E. Main St., Reynoldsburg, OH 43068, 614/728-6220. 1-800-282-1955 Fax: 614-759-1467				
	amitraz (Taktic) 12.5% EC	0	2 gal. per fully grown animal	Mix 1 can (760 ml) 12.5% EC in 50 gallons of water. Two treatments 7 to 10 days apart are required for best mite control. Apply spray within 6 hours after mixing.	

[Back](#) | [Forward](#) | [Table of Contents](#)