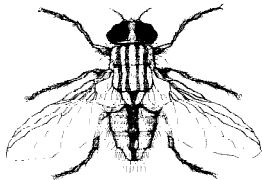

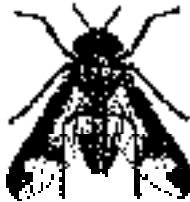





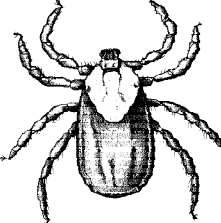
Bulletin

Extension



Most fly repellents contain pyrethrins at various concentrations formulated as sprays, wipe-ons, ointments, etc. Also there are cool and comfortable masks (no insecticides) to protect the eyes from fly irritation, flying dust, dirt, debris and disease. With the mask, there is no obstruction of vision (see-through netting) with horses seeing clearly.

Pests	Material and Formulation	Minimum Days from Last Application to Slaughter	Amount per Animal or Area if Appropriate	Remarks
Black Flies Deer Flies Face Flies Eye Gnats Horn Flies Mosquitos Punkies Stable Flies Horse Flies	coumaphos (Co-Ral) 5.8% EC 11.6% EC (Restricted Use) 25% WP	Non-food use	Spray Treat animal thoroughly	Mix 1 qt. 5.8% EC or 1 pt 11.6% EC or 1/2 lb. 25% WP per 25 gals. of water. Repeat as necessary but not more often than every 14 days.
 	fenvalerate (Ectrin) 10% WDL	0	8 fl. oz per animal	Mix 4 fl. oz. 10% WDL in 3 gals. water. Apply as a light spray with attention to head and legs. Do not treat animals intended for slaughter. Repeat as needed.
	permethrin (Ectiban, Insectrin) 5.7% EC	0	1 to 2 qt. per animal	Mix 1 qt. 5.7% EC in 25 gals. of water. Do not treat more often than once every 14 days.
	(Atroban, Expar, Permaban) 11% EC	0	2 qt. per animal	Mix 1 pt. 11% EC in 25 gals. of water. Do not use on horses intended for slaughter. Do not use more often than every 14 days.
	(GardStar) 40% EC	0	1 to 2 fl. oz per animal	Mix 1/4 fl. oz. 40% EC to 1 pt. water. Spot treat back, face, legs, tail and ears.
	pyrethrins synergized 0.15% plus synergist 1% (FLYCYCLE 3)	0	1 to 2 fl. oz per animal	Ready to use. Apply mist spray to wet ends of the hair but not enough to wet the hide. This is repellent spray with soothing aloe, Lanolin, and PABA sunscreen. It is also a grooming aid and coat conditioner.
	permethrin 25% D	0	Dust 2 oz. per animal	Ready to use. Apply dust evenly over and into the hair of the head, neck, shoulders, back and tail head. Repeat as needed.
Face Flies Horn Flies House Flies Stable Flies	fenvalerate (Fly Guard) 8%	0	Strips 1 to 2 strips per animal	Aids in control of house flies and stable flies. Strips hang from the halter or bridle. The adjustable elastic strip's unique breakaway design releases immediately if caught on something. Remains effective up to 5 months.
Deer Flies Horn Flies Horse Flies House Flies Mosquitoes Stable Flies	cypermethrin 0.150% pyrethrins 0.20% (Stabilene)	0	Spray or Wipe-on 1 to 2 fl. oz. per animal	Ready to use. Apply with handy trigger spray bottle or wipe-on. Can last up to 5 to 7 days after initial application.
	pyrethrins 0.10% to 0.36% plus synergist (Super Swat)	0	1 to 2 fl. oz. per animal	Ready to use. Apply with handy trigger spray bottle or wipe-on. Contains high concentration pyrethrins.
	tetrachlorvinphos (Rabon) 1%	0	1 to 2 fl. oz. per animal	Ready to use. To apply as a wipe-on, pour a small amount on a cloth, rub first against the hair and then with the hair to flank, belly and back. To apply as a spray, apply as a fine mist. For best protection around the animal's head, use the wipe-on method.
Horn Flies Face Flies Stable Flies House Flies	permethrin (GardStar) 40% EC	0	Wipe-on Depends on size of animal	Mix 1/4 fl. oz. 40% EC to 1.25 gals. of water. Thoroughly wet to skin with sponge or rag. Treat back, face, legs, tail and ears. Let drip dry.
Black Flies Mosquitoes Eye Gnats	tetrachlorvinphos (Rabon) 2%	0	1 to 2 fl. oz. per animal	Ready to use. Apply as a thin film of the gel to areas of greatest insect activity. Apply as directed every 2 to 3 days if needed.

Horses, Mules, Donkeys and Ponies (continued)

Pests	Material and Formulation	Minimum Days from Last Application to Slaughter	Amount per Animal or Area if Appropriate	Remarks
			Feed Additive	
Stable Flies House Flies	tetrachlorvinphos 2.468% (Equi-Trol)	0	1 oz./day per horse	Top dress feed or mix. Highly palatable. Prevents development of stable flies and house flies.
			Spray	
Lice 	permethrin (Ectiban, Insectrin) 5.7% EC	0	1 to 2 qt. per animal	Mix 1 qt. 5.7% EC to 25 gals. of water. Do not treat more often than once every 14 days.
	(Atroban, Expar Permaban) 11% EC	0	2 qt. per animal	Mix 1 pt. 11% EC in 25 gals. of water. Do not use on horses intended for slaughter. Do not use more often than every 14 days.
	(GardStar) 40% EC	0	1 to 2 fl. oz. per animal	Mix 1/4 fl. oz. 40% EC to 1 pt. of water. Spot treat back, face, legs, tail and ears.
	coumaphos (Co-Ral EC) 5.8% EC 11.6% EC (Restricted Use) 25% WP	Non-food use	Treat animal thoroughly	Mix 1 qt. 5.8% EC or 1 pt. 11.6% EC or 1/2 lb. 25% WP in 25 gals. of water. Apply to complete wetting to runoff. Repeat as necessary but not more often than every 14 days with wettable powder.
	tetrachlorvinphos (Horse Lice Duster) 3%	0	2 to 3 oz. per animal	Dust or brush on. Treat animal or bedding. Also, controls ticks, horn, stable, horse, house, deer flies and gnats.
				Dust
			Wipe-on	
	permethrin (GardStar) 40% EC	0	Depends on size of animal	Mix 1/4 fl. oz. 40% EC to 1.25 gals. of water. Thoroughly wet to skin with sponge or rag. Treat back, face, legs, tail and ears. Let drip dry.
			Spray	
Ticks 	permethrin (Ectiban, Insectrin, Insectaban) 5.7% EC	0	1 to 2 qts. per animal	Mix 1 qt. 5.7% EC in 25 gals. of water. Do not treat more often than every 14 days.
	(Permethrin II) 10% EC	0	Up to 1 gal. per animal	Mix 1 pt. 10% EC in 100 gals. 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 gals. of water. Do not treat more often than every 14 days.
	coumaphos (Co-Ral) 5.8% EC 11.6% EC (Restricted Use) 25% WP	0	1 gal. per animal	Mix 1 qt. 5.8% EC, 2 qt. 11.6% EC or 1 lb. 25% WP in 25 gals. of water. Spray animal thoroughly. Repeat as needed.
				Spray
Mange (mites)	permethrin (Ectiban, Hard Hitter, Insectrin) 5.7% EC	0	1 to 2 qt. per animal	Mix 1 qt. 5.7% EC to 25 gals. of water. Do not treat more often than once every 14 days. (Additional permethrin formulations are registered for control of mites on horses. Check product label for dilutions and application rates.)
				Wipe-on
	permethrin (GardStar) 40%	0	Depends on size of animal	Mix 1/4 fl. oz. 40% EC to 1.25 gals. of water. Thoroughly wet to skin with sponge, or rag. Treat back, face, legs, tail and ears. Let drip dry.

Horses, Mules, Donkeys and Ponies (continued)

Pests	Material and Formulation	Minimum Days from Last Application to Slaughter	Amount per Animal or Area if Appropriate	Remarks
Horse Bots  	DDVP (Horse wormer) 17.5%	Non-food use	Feed Additive 1 packet (19.5 grams) per 300 lb. body weight	Give to individual horses in half the grain portion at a single feeding to ensure maximum bot removal. Withhold all water 4 to 6 hours before and 3 hours after consumption of medicine. Do not treat sick animals. Do not give with or within 1 week of the administration of tranquilizing drugs or other worm-medicines. Veterinary consultation is recommended.
	ivermectin (Eqvalan, liquid) 1% (Eqvalan Zimecterin) 1.87%	Non-food use	Oral Paste Follow label directions	Ready to use. For use in horses any age including pregnant or nursing mares. Follow directions on pre-filled tube.

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