

Table 1. Water-based on-animal sprays

Mfr	Brand name	Item #	Unit	Active ingredient	Targeted fly species	Rate
Control Solutions	Martin's® Permethrin SFR	050606	quart	permethrin (36.8%)	horn fly, face fly, stable fly, house fly (see label for others)	0.2 fl. oz. per 1 gal. water
		040383	1.25 gal.			
		061244	30 gal.			
	Stryker™ Insecticide Concentrate	052465	pint	natural pyrethrins (6.0%) + PBO (60.0%)	2.0 fl. oz. per 1 gal. water	
Vector-Ban™ Plus	050619	0.5 gal.	permethrin (10.0%) + PBO (10.0%)	1.3 fl. oz. per 1 gal. water		
Elanco	Co-Ral® Fly and Tick Spray†	043543	gallon	coumaphos (6.15%)	horn fly (see label for others)	see label Preharvest w/d = 10 days
	Permethrin™ II	002394	8 oz.	permethrin (10.0%)	horn fly, face fly, stable fly (see label for others)	2.5 fl. oz. per 1 gal. water
		000903	quart			
	Ravap® E.C.*†	013949	gallon	tetrachlorvinphos (23.0%) + dichlorvos (5.3%)	horn fly, face fly (see label for others)	see label
Vapona® Concentrate Insecticide*†	058706	2.5 gal.	dichlorvos (40.2%)	horn fly, face fly, stable fly, house fly (see label for others)	see label Preharvest w/d = 1 day	
Merck	Atroban® 11% EC	008267	pint	permethrin (11%)	horn fly, face fly, stable fly, house fly (see label for others)	0.6 fl. oz. per 1 gal. water
		012194	quart			
MGK	EverGreen® Pro 60-6	063831	quart	natural pyrethrins (6.0%) + PBO (60.0%)	horn fly, face fly, stable fly, house fly (see label for others)	2.0 fl. oz. per 1 gal. water
		062001	gallon			
		095573	55 gal.			
	EverGreen® Pyrethrum Concentrate	059359	gallon	natural pyrethrins (5.0%; organic)	horn fly, face fly, stable fly, house fly (see label for others)	3.0 fl. oz. per 1 gal. water
		Riptide® Waterbased Pyrethrin ULV	052706	64 oz.	natural pyrethrins (5.0%) + PBO (25%)	horn fly, face fly, stable fly, house fly (see label for others)
486695	55 gal.					
Sector® Misting Concentrate	091755	gallon	permethrin (10.0%) + piperonyl butoxide (10.0%)	horn fly, face fly, stable fly, house fly (see label for others)	1.3 fl. oz. per 1 gal. water	
	982352	55 gal.				
Neogen	Prozap® Insectrin X Concentrate	085445	8 oz.	permethrin (10.0%)	horn fly, face fly, stable fly (see label for others)	1.3 fl. oz. per 1 gal. water
		051493	quart			
		385280	gallon			
	Prozap® Pyrethrin Aqueous Fly Spray Ready-to-use on Horses & Cattle	382672	2.5 gal.	natural pyrethrins (0.1%) + PBO (1.0%)	horn fly, stable fly, house fly (see label for others)	use undiluted
Prozap® Vapona 400E *†	088781	2.5 gal.	dichlorvos (40.2%)	horn fly, face fly, stable fly, house fly (see label for others)	see label Pre-harvest w/d = 1 day	

Table 1. Water-based on-animal sprays (continued)

Mfr	Brand name	Item #	Unit	Active ingredient	Targeted fly species	Rate
Starbar	Prolate/Lintox-HD™ Insecticidal Spray & Backrubber for Livestock†	040713	quart	phosmet (11.75%)	horn fly (see label for others)	see label Pre-harvest w/d = 3 days
		059287	gallon			
	Pyronyl™ Crop Spray	059286	quart	natural pyrethrins (6.0%) + PBO (60.0%)	horn fly, face fly, stable fly, house fly (see label for others)	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%)	horn fly, face fly, stable fly, house fly (see label for others)	Dilute 1 part concentrate and 9 parts water; apply one quart per adult animal.
VetOne	Intersect 10% Multi-Purpose Insecticide™	088781	quart	permethrin (10.0%)	horn fly, face fly, stable fly, house fly (see label for others)	0.2 fl. oz. per 1 gal. water
Y-TeX	Gardstar® 40% EC	039035	3 oz.	permethrin (40%)	horn fly, face fly, stable fly, house fly (see label for others)	0.2 fl. oz. per 1 gal. water
		039038	quart			

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. *Restricted use insecticide. †Not for use on young animals; refer to label.

Table 2. Oil-based on-animal sprays

Target fly species: Horn fly, face fly, stable fly (see label for others)

Mfr	Brand name	Item #	Unit	Active ingredient	Rate*
Control Solutions	Martin's® Fly-Ban Synergized Pour-On	036480	0.5 gal.	permethrin (7.4%) + PBO (7.4%)	2mL per 100 lbs. body weight up to a maximum of 20mL
		092362	2.5 gal.		
		063272	55 gal.		
Elanco	Permethrin™ CDS Pour-On Insecticide	012680	16 oz.	permethrin (7.4%) + PBO (7.4%)	Apply 2mL per 100 lbs. body weight up to a maximum of 20mL
		012681	0.5 gal.		
		019317	2.5 gal.		
	Permethrin® Pour-On Insecticide	982606	gallon	permethrin (1.0%)	Apply 0.5 fl. oz. per 100 lbs. body weight up to a maximum of 5.0 fl. oz.
Merck	Synergized DeLice® Pour-On Insecticide	013782	gallon	permethrin (1.0%) + PBO (1.0%)	Apply 0.5 fl. oz. per 100 lbs. body weight up to a maximum of 5.0 fl. oz.
MGK	ULD® BP-100	051790	gallon	natural pyrethrins (1%) + PBO (5%)	Use undiluted—wet tips of hair
		051792	55 gal.		

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Table 2. Oil-based on-animal sprays (continued)

Target fly species: Horn fly, face fly, stable fly (see label for others)

Mfr	Brand name	Item #	Unit	Active ingredient	Rate*
Neogen	Prozap® Insectrin 1% Pour-on Xtra	982220	2.5 gal.	permethrin (1.0%) + PBO (1.0%)	Apply 0.5 fl. oz. per 100 lbs. body weight up to a maximum of 5.0 fl. oz.
	Prozap® Insectrin CS	486738	16 oz.	permethrin (7.4%) + PBO (7.4%)	Apply 2mL per 100 lbs. body weight up to a maximum of 20mL
	Prozap® VIP Insect Spray**	051792	55 gal.	dichlorvos (0.500%) + natural pyrethrins (0.025%) + PBO (0.250%)	Apply 1-2 oz. per animal
Starbar	Cattle Armor™ 1% Permethrin Synergized Pour-On	092220	gallon	permethrin (1.0%) + PBO (1.0%)	Apply 0.5 fl. oz. per 100 lbs. body weight up to a maximum of 5.0 fl. oz.
		090883	55 gal.		
VetOne	Intersect II Pour-On™	540001	gallon	permethrin (1.0%) + PBO (1.0%)	Apply 0.5 fl. oz. per 100 lbs. body weight up to a maximum of 5.0 fl. oz.
		540010	2.5 gal.		
		540011	55 gal.		
	Intersect Gold Synergized Pour-On™	540003	gallon	permethrin (7.4%) + PBO (7.4%)	Apply 2mL per 100 lbs. body weight up to a maximum of 20mL
540004		2.5 gal.			

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. No pre-harvest withdrawals indicated. *Use undiluted using a mist sprayer. **Not for calves less than 6 months of age.

Please refer to the 2021 Summer edition of the Messenger Focus: Livestock Veterinarian for a complete listing of fly control products (including insecticidal on-animal pour-ons, insecticides for backrubbers and dusters, and insecticidal cattle ear tags).