

## THE MEOWING VET

A QUIRKY, INTERACTIVE VETERINARY WEBSITE FOR CATS AND DOGS

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Get Smart with Our

**Chart: A Comparison** 

## of Flea, Tick, and

## **Heartworm Products**

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Product & Manufacturer	Preventive vs. Kills Only, Mode & Frequency of Administration	Active Ingredient(s) (alphabetical order)	Heartworm?	Fleas? (adult, larva, pupa, egg?)	Ticks?	Intestinal Worms?	Other Parasites?	Additional Features & Comments
Activyl® Spot-On for dogs and puppies	Preventive Topical Monthly	Indoxacarb	No	Yes – adult fleas and larva	No	No	No	Starts killing fleas in 8 hours
Activyl® Tick Plus	Preventive Topical Monthly	Indoxacarb Permethrin	No	Yes – adult fleas and larva	Yes	No	No	Starts killing fleas in 8 hours; toxic to cats
Advantage®- II for dogs Bayer	Preventive Topical Monthly	Imidacloprid Pyriproxyfen	No	Yes – all life stages	No	No	Lice	Kills 98% of fleas in 12 hours; fleas don't have to bite to die; may be toxic to bees

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Advantage Multi® for dogs	Preventive Topical Monthly	Imidacloprid Moxidectin	Yes – L3 larva and microfilaria	Yes – adult fleas and larva	No	Yes - Roundworm Hookworm Whipworm	Sarcoptic mange mites; may be used off-label to treat demodectic mange mites	Children should avoid contact with dog for 2 hours after application (until dried); may be toxic to bees
advantus <sup>TM</sup> soft chew Bayer	Kills Only Oral	Imidacloprid	No	Yes – adult fleas only (does not prevent re- infestation)	No	No	No	Starts killing fleas in 1 hour; can be repeated once daily if necessary; may be toxic to bees
Bravecto®	Preventive Oral (with food), a topical formula may also be available in some markets 3 months* *(only effective against Amblyomma ticks for 2 months)	Fluralaner	No	Yes	Yes* – Dermacentor Ixodes Rhipicephalus Amblyomma*	No	May be used off- label to treat demodectic mange mites	Kills 98- 100% of fleas and ticks in 12 hours; does not repel insects; only for dogs over 6 months old; may cause vomiting; safe for pregnant and nursing dogs

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Capstar® (Novartis) Elanco	Kills only Oral	Nitenpyram	No	Yes	No	No	No	Starts working in 30 minutes, kills adult fleas in 4-6 hours
Certifect® Merial	Preventive Topical Monthly	Amitraz Fipronil (S)-methoprene	No	Yes – all life stages	Yes	No	Chewing lice	Starts killing fleas in 4 hours, ticks in 6 hours; fleas/ticks do not have to bite; toxic to rabbits
Comfortis® Confortis (spinosad) Elanco	Preventive Oral (with food) Monthly	Spinosad	No	Yes	No	No	No	Starts killing fleas in 30 minutes; poor taste, can cause vomiting; do not give to pregnant or nursing dogs; do not give to dogs with seizures or treated with high- dose ivermectin

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Comfortis® Plus	Preventive Oral (with food) Monthly	Spinosad Milbemycin oxime	Yes	Yes	No	Yes – Roundworm Hookworm Whipworm	No	Panoramis <sup>™</sup> in some markets; starts killing fleas in 30 minutes; use caution in collies; do not give to dogs with seizures or treated with high-dose ivermectin
EFFIPRO Plus <sup>TM</sup> Topical Solution for dogs	Preventive Topical Monthly	Fipronil Pyriproxyfen	No	Yes – all life stages	Yes	No	Chewing lice Mosquitoes	Toxic to rabbits
EFFITIX® Topical Solution for dogs	Preventive Topical Monthly	Fipronil Permethrin	No	Yes – adult fleas only	Yes	No	Lice Sarcoptic mange mites Mosquitoes Biting flies	Toxic to cats; toxic to rabbits

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EFFITIX Plus® Topical Solution for dogs	Preventive Topical Monthly	Fipronil Permethrin Pyriproxyfen	No	Yes – all life stages	Yes	No	Lice Sarcoptic mange mites Mosquitoes Biting flies	Toxic to cats; toxic to rabbits
studies have sho	line® topical produ wn <u>decreased</u> <u>effic</u> s tick-borne infectio	<u>acy</u> in some form	ulations. Kills tie	cks slowly (wit				
Frontline® Gold for dogs	Preventive Topical Monthly	Fipronil Pyriproxyfen (S)-methoprene	No	Yes – all life stages	Yes – Dermacentor Ixodes Rhipicephalus Amblyomma	No	Chewing lice	Prevents flea re-infestation; toxic to rabbits
Frontline® HomeGard	Kills only Household spray (do not apply on your pet)	Permethrin (S)-methoprene	No	Yes – kills adult fleas on contact and disrupts the development of eggs and larva	No	No	No	Use other flea product on pet at least 3 months; during use, animals should not be in the room, humans should leave the room for 30 minutes (until dried);

toxic to cats

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Frontline® Plus for dogs	Preventive Topical Monthly	Fipronil (S)-methoprene	No	Yes – all life stages	Yes – Dermacentor Ixodes Rhipicephalus Amblyomma	No	Chewing lice	Toxic to rabbits
Frontline® Spot On Dog	Preventive Topical Monthly	Fipronil	No	Yes – adult fleas only	Yes – Dermacentor Ixodes Rhipicephalus Amblyomma	No	Lice	Toxic to rabbits; can be used on pregnant and nursing dogs
Frontline® Spray	Preventive Topical spray Monthly* *(only effective against Ixodes paralysis ticks for 3 weeks)	Fipronil	No	Yes – adult fleas only	Yes – Dermacentor Ixodes* Rhipicephalus Amblyomma	No	Chewing lice Controls sarcoptic mange mites	Can also be used on cats; toxic to rabbits
Frontline® Tritak® for dogs	Preventive Topical Monthly	Cyphenothrin Fipronil (S)-methoprene	No	Yes – all life stages	Yes – Dermacentor Ixodes Rhipicephalus Amblyomma	No	Chewing lice	Starts killing fleas in 5 minutes; toxic to cats; toxic to rabbits

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Heartgard®	Preventive Oral Monthly	Ivermectin	Yes	No	No	Yes – Hookworm	No	Avoid use in collies, collie mixes, and other dogs with suspected or known MDR-1 gene sensitivity to ivermectin
Heartgard® Plus Heartgard® Plus Merial	Preventive Oral Monthly	Ivermectin Pyrantel	Yes	No	No	Yes – Roundworm Hookworm	No	Avoid use in collies, collie mixes, and other dogs with suspected or known MDR-1 gene sensitivity to ivermectin
Interceptor®	Preventive Oral Monthly	Milbemycin oxime	Yes	No	No	Yes – Roundworm Hookworm* Whipworm *(effective against Ancylostoma caninum hookworms only)	No	Use caution in collies

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Interceptor® Spectrum	Preventive Oral Monthly	Milbemycin oxime Praziquantel	Yes	No	No	Yes – Roundworm Hookworm Whipworm Tapeworm	No	Interceptor® Plus in some markets; use caution in collies
Iverhart Max® Chewable Tablets	Preventive Oral Monthly	Ivermectin Praziquantel Pyrantel	Yes	No	No	Yes – Roundworm Hookworm Tapeworm	No	Avoid use in collies, collie mixes, and other dogs with suspected or known MDR-1 gene sensitivity to ivermectin
Iverhart Plus® Flavored Chewables	Preventive Oral Monthly	Ivermectin Pyrantel pamoate	Yes	No	No	Yes – Roundworm Hookworm	No	Avoid use in collies, collie mixes, and other dogs with suspected or known MDR-1 gene sensitivity to ivermectin

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K9 Advantix®-II Bayer	Preventive Topical Monthly	Imidacloprid Permethrin Pyriproxyfen	No	Yes – all life stages	Yes – Dermacentor Ixodes Rhipicephalus Amblyomma	No	Lice Mosquitoes Biting flies (repels only)	Repels fleas and ticks, they don't have to bite; may cause a burning or tingling sensation at application site; toxic to cats; may be toxic to bees
Knockout <sup>TM</sup> Brand Products 3 options: 1) E.S. Area Treatment 2) Room and Area Fogger 3) Area Treatment	Kills only Household spray (do not apply on your pet)	E.S. Area Treatment; Room and Area Fogger: N-octyl bicycloheptene dicarboximide Permethrin Pyrethrins Pyriproxyfen Area Treatment: Phenothrin Pyriproxyfen Tetramethrin	No	Yes – all life stages	Yes	No	No	Use other flea product on pet at least 3 months; during use, animals should not be in the room, humans should leave the room for 30 minutes (until dried); toxic to cats

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Milbemax®	Preventive Oral (with food) Monthly for heartworm prevention*; every 3 months for intestinal worm control only	Milbemycin oxime Praziquantel	Yes *(when used monthly)	No	No	Yes – Roundworm Hookworm Whipworm Tapeworm	No	Use caution in collies
NexGard® Chewables	Preventive Oral Monthly	Afoxolaner	No	Yes	Yes – Dermacentor Ixodes Rhipicephalus Amblyomma	No	May treat demodectic mange mites (anecdotal evidence)	Kills 99% of fleas/ ticks in 8 hours; does not repel insects; do not use in pregnant or nursing dogs; do not give to dogs with seizures
Panoramis <sup>TM</sup> Panoramis <sup>V</sup> (spinsad+milbenycin oxime) Elanco	Preventive Oral Monthly	Milbemycin oxime Spinosad	Yes	Yes	No	Yes – Roundworm Hookworm Whipworm	No	Comfortis® Plus in some markets; starts killing fleas in 30 minutes; use caution in collies; do not give to dogs with seizures or treated with high-dose ivermectin

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Parastar® for dogs PARASTAR Information for dogs Elanco	Preventive Topical Monthly	Fipronil	No	Yes – adult fleas only	Yes – Dermacentor Ixodes Rhipicephalus Amblyomma	No	Chewing lice Controls sarcoptic mange mites	Toxic to rabbits
Parastar Plus® for dogs PARASTAR Elanco	Preventive Topical Monthly	Cyphenothrin Fipronil	No	Yes – all life stages	Yes – Dermacentor Ixodes Rhipicephalus Amblyomma	No	Chewing lice Controls sarcoptic mange mites	Toxic to cats; toxic to rabbits
Preventic® Tick Collar for dogs	Preventive Collar 2-3 months* *(depending on formualation)	Amitraz	No	No	Yes – Dermacentor Ixodes Rhipicephalus Amblyomma Boophilus Haemathysalis	No	No	Kills 100% of ticks in 24 hours; relatively inexpensive; can be toxic if entirety is ingested; do not allow dog to swim/bathe with it on
ProHeart®6	Preventive Injectable 6 months* * <b>ProHeart® SR-</b> 12, a 12 month option may also be available in some markets	Moxidectin	Yes	No	No	Yes – Hookworm	No	Administered by a certified veterinarian only; convenient

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Resultix®	Kills only Topical spray	Isopropyl myristate	No	No	Yes	No	No	Can also be used on cats
Revolution®	Preventive Topical Monthly	Selamectin	Yes	Yes – kills adult fleas only, also prevents flea eggs from hatching	Yes* – Dermacentor variabilis (American dog tick) only; does not protect against other ticks, including Ixodes scapularius, which transmits Lyme disease	No	Lice Ear mites Sarcoptic mange mites	Stronghold® in some countries; safe to use in dogs with MDR-1 gene sensitivity to ivermectin (ex. collies)
Scalibor® Protector Band	Preventive Collar 6 months	Deltamethrin	No	Yes	Yes – Dermacentor Ixodes Rhipicephalus Amblyomma	No	Mosquitoes Sand flies	Maximum effectiveness can take 2-3 months; can be toxic if entirety is ingested; use caution around cats

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Sentinel® Flavor Tabs®	Preventive Oral (with food) Monthly	Lufenuron Milbemycin oxime	Yes* *(must use for 6 consecutive months for complete protection against heartworms)	Yes – does not kill adult fleas, prevents development of eggs	No	Yes – Roundworm Hookworm Whipworm	No	Safe to use in dogs with MDR-1 gene sensitivity to ivermectin (ex. collies)
Sentinel® Spectrum® Virbac	Preventive Oral Monthly	Lufenuron Milbemycin oxime Praziquantel	Yes* *(must use for 6 consecutive months for complete protection against heartworms)	Yes – does not kill adult fleas, prevents development of eggs	No	Yes – Roundworm Hookworm Whipworm Tapeworm	No	Safe to use in dogs with MDR-1 gene sensitivity to ivermectin (ex. collies)
Seresto®	Preventive Collar 8 months* *(only effective for 5 months if pet swims or bathes more than once per month)	Flumethrin Imidacloprid	No	Yes	Yes – Dermacentor Ixodes Rhipicephalus Amblyomma	No	Chewing lice* (for 1 month only) Sarcoptic mange mites	Repels fleas/ticks; kills fleas in 24 hours, ticks in 48 hours; may cause hair loss and skin redness at collar; may be toxic to bees

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Simparica® Chewables	Preventive Oral Monthly	Sarolaner	No	Yes – all life stages	Yes – Dermacentor Ixodes Rhipicephalus Amblyomma	No	No	Does not decrease in effectiveness over the course of a month (vs. some other products)
Stronghold® (Pfizer) Zoetis	Preventive Topical Monthly	Selamectin	Yes	Yes – kills adult fleas only, also prevents flea eggs from hatching	Yes* – Dermacentor variabilis (American dog tick) only; does not protect against other ticks, including Ixodes scapularius, which transmits Lyme disease	No	Lice Ear mites Sarcoptic mange mites	Revolution® in some countries; safe to use in dogs with MDR-1 gene sensitivity to ivermectin (ex. collies)
Trifexis® Trifexis (spinssd+milberrycin axime) Elanco	Preventive Oral (with food) Monthly	Milbemycin oxime Spinosad	Yes* *(must use for 3 consecutive months for complete protection against heartworms)	Yes	No	Yes – Roundworm Hookworm Whipworm	No	Kills fleas in 4 hours; may cause vomiting; do not give to dogs with seizures or being treated with high- dose ivermectin; do not use in pregnant or nursing dogs

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Tri-Heart® Plus chewable tablets	Preventive Oral Monthly	Ivemectin Pyrantel	Yes	No	No	Yes – Roundworm Hookworm	No	Avoid use in collies, collie mixes, and other dogs with suspected or known MDR-1 gene sensitivity to ivermectin
Vectra 3D®	Preventive Topical Monthly	Dinotefuran Permethrin Pyriproxyfen	No* *(but, repels mosquitoes prior to biting, so may help prevent heartworm transmission; pair with another heartworm preventive)	Yes – all life stages	Yes	No	Lice Mites (excluding sarcoptic mange mite) Biting flies Sand flies Mosquitoes	Kills fleas in 2 hours, ticks in 6 hours; may cause temporary burning or tingling sensation at application site; very toxic to cats
Vectra® for dogs and puppies	Preventive Topical Monthly	Dinotefuran Pyriproxyfen	No	Yes – all life stages	No	No	No	Kills fleas in 6 hours, they don't have to bite