



Target species: Dogs & Puppies

Composition: Fipronil 9.8%, (S)-methoprene 8.8%, Inert ingredients 81.4% Clear-amber Spot-on solution

Indications: To be used against infestations with fleas, alone or in association with ticks and/or biting lice.

Dosage and administration:

Part the dog's hair between the shoulder blades. Place the applicator tip just above the skin and squeeze. Apply entire contents of the applicator in a single spot directly onto the dog's skin. Do not apply on top of the hair coat. Avoid contact with treated area until dry. Do not allow your dog to ingest the product. Do not use more than one application per dog per month.

Frequency of application:

When used monthly, FRONTLINE Plus completely breaks the flea life cycle and controls tick and chewing lice infestations. It also prevents development of all parasitic life stages for up to three months. However, if there is a high risk of re-infestation or if the pet has fleas which may cause flea allergy dermatitis, another monthly application may be needed.

Warning

- Harmful if swallowed. Causes eye irritation. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- For external use only. Do not use on puppies under 8 weeks of age and 5 lbs. Individual sensitivities, while rare, may occur after using any pesticide product.
- Do not use in rabbits, as adverse reactions with even mortality could occurred.
- Do not use in cats and ferrets, as this could lead to overdosing.

Packaging:

1. Small dogs/ puppies, 8 weeks or older and upto 10 Kgs
2. Large dogs only 20-40 Kgs

Storage

Do not contaminate water, food, or feed. Store unused product in original container, out of reach of children and animals.

Pharmacological properties

Fipronil

Biotransformation In all species, fipronil is mainly metabolized to its sulphone derivative, which also possesses insecticidal and acaricidal properties.

Fipronil is an insecticide and acaricide from the phenylpyrazole family
↓
inhibits the GABA complex, binding to the ligand-gated chloride channel blockage of
↓
pre and post synaptic transfer of chloride ions across the membrane uncontrolled
↓
activity of the central nervous system
↓
death of insects and acarids.

(S)-methoprene

(S)-methoprene is a synthetic compound with juvenile hormone activity
↓
required for growth and first metamorphosis & fall markedly during the final larval stage So,
↓
high levels block the normal development
↓
significant alterations in development or death of insect.

Again, (S)-methoprene has a specific ovocidal action,

Direct penetration of the newly laid eggshell or from absorption through the cuticle of the adult fleas.

↓
preventing flea larvae and pupae from developing,
↓
prevents contamination of treated animals with the immature stages of fleas

Manufactured By: Boehringer Ingelheim (former Merial)

For Veterinary Use only