

We would like inform you about changes regarding of innovation of antiparasitic product



- The addition of preservative increases the efficiency of the product and ensure its longterm microbial safety
- New sizes of packages – 100 and 500 ml
- Dosage adjustment in accordance with the size of packaging:

10 mg permethrin (ie. 4 ml of product) per 1 kg of animal's weight, it means:  
20 puffs of a 100-ml package per 1 kg of animal body weight,  
4 puffs of a 500-ml package per 1 kg of animal body weight

*Sanitation of environment:* spray cages, kennels, stalls and stables until wet with about 25 ml/m<sup>2</sup> (125 puffs of a 100-ml package or 25 puffs of 500-ml package).  
If needed, repeat spraying after 1–2 weeks

#### Indications

The product is used against ectoparasites (fleas, lice, ticks, mites) in dogs, guinea-pigs, hamsters and exotic birds, against insects (ants, flies, spiders) and for disinfection of pens and nests.

#### Effect of permethrin 2,5 mg in one ml of Bio Kill 2,5 mg/ml cutaneous spray

The mechanism of action of permethrin (belongs to a group of synthetic pyrethroids) is based on the effect it has on ion channels of nerve fibres of parasites. Disturbed transport of Na<sup>+</sup> and K<sup>+</sup> ions in neuron membranes causes depolarization and increased releasing of neurotransmitters and the neuromuscular block in ectoparasites. Permethrin has an effect to adult ectoparasites. It is a very efficient anti-ectoparasitic product. Permethrin is not toxic to mammals (except for cats) and birds, but it is toxic to fish, bees and reptiles.

# BIO KILL

White milky emulsion against ectoparasites for dogs, guinea pigs, hamsters and exotic birds



WE respect ANIMALS

VETERINARY MEDICAMENTS PRODUCER