CLAIMS

WHAT IS CLAIMED IS:

1. A local, topical, spot-on formulation for control of ectoparasites on a domestic animal comprising i) an ectoparasitically effective amount of Indoxacarb and one or more additional pesticides, and ii) a veterinarily acceptable carrier; wherein the concentration of Indoxacarb in said formulation is at least 100g/L; and wherein said veterinarily acceptable carrier comprises a crystallization inhibitor and a solvent.

2. The formulation of claim 1, wherein said one or more additional pesticides is selected from the group consisting of insect growth regulator, organophosphate pesticide, carbamate pesticide, organochlorine pesticide, pyrethrin pesticide, pyrethroid pesticide, nicotine pesticide, neonicotinoid pesticide, copper-containing pesticide, anthelmintic agent, benzimidazole, salicylanilide, substituted phenol pesticide, pyrimidine pesticide, imidazothiazole pesticide, *Bacillus thuringensis* toxin, chlorobenzilate, cyfluthrin, cypermethrin, dicofol, endosulfan, esfenvalerate, fenvalerate, lambda-cyhalothrin, methoxychlor, sulfur, cyclodiene, ryania, KT-199, and praziquantel.

3. The formulation of claim 1, wherein said one or more additional pesticides is a formadine.

4. The formulation of claim 3, wherein said formadine is amitraz.

5. The formulation of claim 1, wherein said one or more additional pesticides is a semicarbazone.

6. The formulation of claim 5, wherein said semicarbazone is metaflumazone.

7. The formulation of claim 1, wherein said one or more additional pesticides is a phenylpyrazole.

8. The formulation of claim 7, wherein said phenylpyrazole is fipronil.

9. The formulation of claim 2, wherein said one or more additional pesticides is a pyrethroid pesticide.

10. The formulation of claim 9, wherein said pyrethroid pesticide is permethrin.

11. A method for control of ectoparasites on a domestic animal comprising topically applying to a localized region having a surface area of less than or equal to 10% of the total surface area of said domestic animal an ectoparasitically effective amount of the formulation of any one of claims 1-10.

12. A local topical formulation for control of ectoparasite infestation on a domestic animal, said formulation comprising, by weight
5-25% Indoxacarb;
5-25% fipronil; and
QS ethyl acetoacetate.

13. A local topical formulation for control of ectoparasite infestation on a domestic animal, said formulation comprising, by weight
5-25% Indoxacarb;
5-25% fipronil; and
QS dipropylene glycol monomethyl ether.

14. A local topical formulation for control of ectoparasite infestation on a domestic animal, said formulation comprising, by weight
5-25% Indoxacarb;
10-75% permethrin; and
QS ethyl acetoacetate.

15. A local topical formulation for control of ectoparasite infestation on a domestic animal, said formulation comprising, by weight
5-25% Indoxacarb;
10-75% permethrin; and
QS dipropylene glycol monomethyl ether.

16. A method for the control of ectoparasites on a domestic mammalian animal comprising topically applying to a localized region having a surface area of less than or equal to 10% of the total surface area of said domestic animal the formulation of any one of claims 12-15.

17. A topical formulation consisting essentially of Indoxacarb, fipronil, and a veterinarily acceptable solvent

18. A topical formulation consisting essentially of Indoxacarb, permethrin, and a veterinarily acceptable solvent.

WHAT IS CLAIMED IS:

1. A local, topical, spot-on formulation for control of ectoparasites on a domestic animal comprising i) an ectoparasitically effective amount of Indoxacarb and one or more additional pesticides, and ii) a veterinarily acceptable carrier; wherein the concentration of Indoxacarb in said formulation is at least 100g/L; and wherein said veterinarily acceptable carrier comprises triacetin and a solvent selected from the group consisting of a glycol ether and an alkyl acetate.

2. The formulation of claim 1, wherein said one or more additional pesticides is selected from the group consisting of insect growth regulator, organophosphate pesticide, carbamate pesticide, organochlorine pesticide, pyrethrin pesticide, pyrethroid pesticide, nicotine pesticide, neonicotinoid pesticide, copper-containing pesticide, anthelmintic agent, benzimidazole, salicylanilide, substituted phenol pesticide, pyrimidine pesticide, imidazothiazole pesticide, Bacillus thuringensis toxin, chlorobenzilate, cyfluthrin, cypermethrin, dicofol, endosulfan, esfenvalerate, fenvalerate, lambda-cyhalothrin, methoxychlor, sulfur, cyclodiene, ryania, and praziquantel.

3. The formulation of claim 1, wherein said one or more additional pesticides is a formadine.

4. The formulation of claim 3, wherein said formadine is amitraz.

5. The formulation of claim 1, wherein said one or more additional pesticides is a semicarbazone.

6. The formulation of claim 5, wherein said semicarbazone is metaflumazone.

7. The formulation of claim 1, wherein said one or more additional pesticides is a phenylpyrazole.

8. The formulation of claim 7, wherein said phenylpyrazole is fipronil.

9. The formulation of claim 2, wherein said one or more additional pesticides is a pyrethroid pesticide.

10. The formulation of claim 9, wherein said pyrethroid pesticide is permethrin.

11. The formulation of claim 1, wherein said solvent comprises a glycol ether.

12. The formulation of claim 11, wherein said glycol ether comprises dipropylene glycol monomethyl ether.

13. The formulation of claim 1, wherein said solvent comprises an alkyl acetate.

14. The formulation of claim 13, wherein said alkyl acetate comprises ethyl acetoacetate.

15. The use of the formulation of any one of claims 1-14 for the manufacture of a medicament for the spot-on treatment of ectoparasites on a domestic animal.