WE CLAIM:

1. Use of ~~A method of controlling ectoparasite infestations of an animal which comprises systemically administering an effective amount of s~~spinetoram, or a pharmaceutically acceptable salt thereof, in the manufacture of a medicament for the control of flea infestations on a dog or cat, wherein the spinetoram is to be systemically administered ~~to said animal~~ by ~~topical transdermal,~~ oral~~, or parenteral~~ administration~~, and optionally administering one or more other therapeutic ingredients~~.

~~2. The method of Claim 1 wherein said animal is a dog or cat.~~

2~~3~~. The use according to~~method of~~ Claim 1 wherein said administration is to be carried out no more than monthly in a single or pulse dose.

3~~4~~. The use according to~~method of~~ Claim 1~~2~~ wherein said ~~ectoparasite is a~~ flea ~~and~~ is *Ctenocephalides felis*.

4~~5~~. The use according to ~~method of~~ Claim 1 wherein said spinetoram is to be administered at an ~~effective~~ amount of~~is~~ 10 mg/kg to 60 mg/kg of body weight of said ~~animal~~dog or cat.

5~~6~~. The use according to ~~method of~~ Claim 1~~4~~ wherein said administration is to be carried out no more than every two weeks in a single or pulse dose.

~~7. The method of Claim 6 wherein said effective amount is 10 mg/kg to 60 mg/kg of body weight of said animal.~~

6~~8~~. A ~~pharmaceutical~~ single or pulse dose formulation for systemically controlling ectoparasite infestations ~~of~~ on ~~an anima~~ dog or cat~~l~~ comprising spinetoram or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier, in an oral ~~or parenteral~~ dosage form selected from a tablet, capsule or liquid, at a dose of 10 to 60 mg of said spinetoram or a pharmaceutically acceptable salt thereof per kg of body weight of said ~~animal~~dog or cat~~, and optionally one or more other therapeutic ingredients~~.

79. The ~~pharmaceutical~~ formulation of Claim 68 wherein the dosage form is a tablet or capsule and said spinetoram or a pharmaceutically acceptable salt thereof is present in said formulation in an amount of 5 to 60 % by weight of the formulation.

~~10. The pharmaceutical formulation of Claim 8 wherein said formulation is adapted for oral administration, and is a tablet or capsule.~~

~~11. The pharmaceutical formulation of Claim 8 which is administered no more than every two weeks in a single or pulse dose.~~

~~12. The pharmaceutical formulation of Claim 11 which is administered no more than monthly.~~

~~13. The formulation of Claim 8 where it is a single or pulse dose formulation for systemically controlling an ectoparasite infestation on a dog or cat.~~

814. The ~~pharmaceutical~~ formulation of Claim ~~13~~ 6 in a chewable treat form.