CLAIMS:

1. A topical composition for the treatment and prevention of an ectoparasitic infestation comprising:

from about 2 % (w/w) to about 15 % (w/w) fipronil;

from about 30 % (w/w) to about 55 % (w/w) permethrin; and

a neutral oil(s) and N-methyl pyrrolidone, wherein said neutral oil(s) and N-methyl pyrrolidone are present in a weight : weight ratio of from about 1:2.0 to about 1:3.5, neutral oil(s) to N-methyl pyrrolidone.

2. The composition of claim 1, wherein said fipronil is present in a concentration of from about 4 % (w/w) to about 8 % (w/w).

3. The composition of claim 1, wherein said fipronil is present at a concentration of about 6% (w/w).

4. The composition of any one of claims 1 to 3, wherein said permethrin is present in a concentration of from about 35 % (w/w) to about 50 % (w/w).

5. The composition of any one of claims 1 to 3, wherein said permethrin is present in a concentration of from about 40 % (w/w) to about 48 % (w/w).

6. The composition of any one of claims 1 to 3, wherein said permethrin is present at a concentration of about 45% (w/w).

7. The composition of claim 1, wherein said fipronil is present at a concentration of about 6.0 % (w/w) and said permethrin is present at a concentration of about 45 % (w/w).

8. The composition of any one of claims 1 to 7, wherein said neutral oil(s) and said N-methyl pyrrolidone are present in a weight : weight ratio of about 1:2.0 to about 1:3.0, neutral oil(s) to N-methyl pyrrolidone.

9. The composition of any one of claims 1 to 7, wherein said neutral oil(s) is present in a concentration of about 12 % (w/w) to about 14% (w/w) and said N-methyl pyrrolidone is present in a concentration of about 35 % (w/w).

10. The composition of any one of claims 1 to 7, wherein said neutral oil(s) and said N-methyl pyrrolidone are present in a weight : weight ratio of about 1:2.5 to about 1:3.0, neutral oil(s) to N-methyl pyrrolidone.

11. The composition of any one of claims 1 to 7, wherein said neutral oil(s) and said N-methyl pyrrolidone are present in a weight : weight ratio of about 1:2.5 to about 1: 3.5, neutral oil(s) to N-methyl pyrrolidone.

12. The composition of any one of claims 1 to 7, wherein said neutral oil(s) and said N-methyl pyrrolidone are present in a weight : weight ratio of about 1:2.2 to about 1:2.4, neutral oil(s) to N-methyl pyrrolidone.

13. The composition of any one of claims 1 to 7, wherein said neutral oil(s) and said N-methyl pyrrolidone are present in a weight : weight ratio of about 1:2.5 to about 1:2.8, neutral oil(s) to N-methyl pyrrolidone.

14. The composition of any one of claims 1 to 13, wherein said neutral oil(s) is a triglyceride of fractionated plant fatty acids having chain lengths of C8 and C10.

15. The composition of claim 1, comprising

about 6 % fipronil;

about 45 % permethrin;

about 12% to about 14 % of triglycerides of fractionated plant fatty acids having chain lengths of C8 and C10;

about 35 % N-methyl pyrrolidone; and

about 0.1 % butylated hydroxytoluene.

16. The composition of any one of claims 1 to 15, further comprising an antioxidant.

17. The composition of claim 16, wherein said antioxidant is butylated hydroxytoluene.

18. The composition of any one of claims 1 to 17 further comprising one or more additional active agents.

19. The composition of claim 18, wherein the one or more additional active agent is an avermectin, a milbemycin, a spinosyn, a spinosoid, a benzimidazole, levamisole, pyrantel, morantel, praziquantel, closantel, clorsulon, an amino acetonitrile active agent, an insect growth regulator, a neonicotinoids or an aryloazol-2-yl cyanoethylamino active agent, or a combination of thereof.

20. A spot-on composition, comprising

from about 2 % (w/w) to about 15 % (w/w) fipronil;

from about 30 % (w/w) to about 55 % (w/w) permethrin; and

a neutral oil(s) and N-methyl pyrrolidone, wherein said neutral oil(s) and N-methyl pyrrolidone are present in a weight : weight ratio of from about 1:2.5 to about 1:3.5,

wherein said composition is a liquid having a volume of from about 1 mL to about 10 mL.

21. The composition of claim 1 or 20, further comprising fipronil sulfone below about 3.5 % by area relative to the peak area for fipronil as measured by HPLC at about three months after formulation.

22. The composition of claim 1 or 20, further comprising fipronil sulfone wherein said amount of fipronil sulfone at about three months after formulation has not

increased by more than 50 % of the original amount of said fipronil sulfone present at the time of formulation.

23. A composition comprising,

from about 2 % (w/w) to about 15 % (w/w) fipronil;

from about 30 % (w/w) to about 55 % (w/w) permethrin;

a neutral oil(s) and N-methyl pyrrolidone; and

fipronil sulfone, wherein said neutral oil(s) is present in an amount wherein said amount of fipronil sulfone at about three months after formulation has not increased by more than 50 % of the original amount of said fipronil sulfone present at the time of formulation.

24. A method for the treatment and/or protection of a parasite infestation in an animal, comprising administering an effective amount of the composition of claim 1, claim 20 or claim 23 to the animal.

25. The method of claim 24, wherein said administering comprises contacting the coat and/or skin of said animal with said composition.

26. Use of a combination of fipronil and permethrin together with NMP and one or more neutral oil(s) in the manufacture of a medicament for the treatment and prevention of a parasitic infestation in an animal.

27. Use of the composition of claim 1, claim 20 or claim 23 for the treatment and prevention of a parasitic infestation in an animal.

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2. The composition of claim 1, wherein said fipronil is present in a concentration of from about 4 % (w/w) to about 8 % (w/w).

3. The composition of claim 1, wherein said fipronil is present at a concentration of about 6% (w/w).

4. The composition of any one of claims 1 to 3, wherein said permethrin is present in a concentration of from about 35 % (w/w) to about 50 % (w/w).

5. The composition of any one of claims 1 to 3, wherein said permethrin is present in a concentration of from about 40 % (w/w) to about 48 % (w/w).

6. The composition of any one of claims 1 to 3, wherein said permethrin is present at a concentration of about 45% (w/w).

7. The composition of claim 1, wherein said fipronil is present at a concentration of about 6.0 % (w/w) and said permethrin is present at a concentration of about 45 % (w/w).

8. The composition of any one of claims 1 to 7, wherein said neutral oil(s) and said N-methyl pyrrolidone are present in a weight : weight ratio of about 1:2.0 to about 1:3.0, neutral oil(s) to N-methyl pyrrolidone.

9. The composition of any one of claims 1 to 7, wherein said neutral oil(s) is present in a concentration of about 12 % (w/w) to about 14% (w/w) and said N-methyl pyrrolidone is present in a concentration of about 35 % (w/w).

10. The composition of any one of claims 1 to 7, wherein said neutral oil(s) and said N-methyl pyrrolidone are present in a weight : weight ratio of about 1:2.5 to about 1:3.0, neutral oil(s) to N-methyl pyrrolidone.

11. The composition of any one of claims 1 to 7, wherein said neutral oil(s) and said N-methyl pyrrolidone are present in a weight : weight ratio of about 1:2.5 to about 1: 3.5, neutral oil(s) to N-methyl pyrrolidone.

12. The composition of any one of claims 1 to 7, wherein said neutral oil(s) and said N-methyl pyrrolidone are present in a weight : weight ratio of about 1:2.2 to about 1:2.4, neutral oil(s) to N-methyl pyrrolidone.

13. The composition of any one of claims 1 to 7, wherein said neutral oil(s) and said N-methyl pyrrolidone are present in a weight : weight ratio of about 1:2.5 to about 1:2.8, neutral oil(s) to N-methyl pyrrolidone.

14. The composition of any one of claims 1 to 13, wherein said neutral oil(s) is a triglyceride of fractionated plant fatty acids having chain lengths of C8 and C10.

15. The composition of claim 1, comprising

about 6 % fipronil;

about 45 % permethrin;

about 12% to about 14 % of triglycerides of fractionated plant fatty acids having chain lengths of C8 and C10;

about 35 % N-methyl pyrrolidone; and

about 0.1 % butylated hydroxytoluene.

16. The composition of any one of claims 1 to 15, further comprising an antioxidant.

17. The composition of claim 16, wherein said antioxidant is butylated hydroxytoluene.

18. The composition of any one of claims 1 to 17 further comprising one or more additional active agents.

19. The composition of claim 18, wherein the one or more additional active agent is an avermectin, a milbemycin, a spinosyn, a spinosoid, a benzimidazole, levamisole, pyrantel, morantel, praziquantel, closantel, clorsulon, an amino acetonitrile active agent, an insect growth regulator, a neonicotinoids or an aryloazol-2-yl cyanoethylamino active agent, or a combination of thereof.

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a neutral oil(s) and N-methyl pyrrolidone, wherein said neutral oil(s) and N-methyl pyrrolidone are present in a weight : weight ratio of from about 1:2.5 to about 1:3.5,

wherein said composition is a liquid having a volume of from about 1 mL to about 10 mL.

21. The composition of claim 1 or 20, further comprising fipronil sulfone below about 3.5 % by area relative to the peak area for fipronil as measured by HPLC at about three months after formulation.

22. The composition of claim 1 or 20, further comprising fipronil sulfone wherein said amount of fipronil sulfone at about three months after formulation has not

increased by more than 50 % of the original amount of said fipronil sulfone present at the time of formulation.

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a neutral oil(s) and N-methyl pyrrolidone; and

fipronil sulfone, wherein said neutral oil(s) is present in an amount wherein said amount of fipronil sulfone at about three months after formulation has not increased by more than 50 % of the original amount of said fipronil sulfone present at the time of formulation.

24. Use of a combination of fipronil and permethrin together with NMP and one or more neutral oil(s) in the manufacture of a medicament for the treatment and prevention of a parasitic infestation in an animal.