ANNEX I

SUMMARY OF PRODUCT CHARACTERISTICS

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

NEXGARD SPECTRA 9 mg / 2 mg chewable tablets for dogs 2–3.5 kg
NEXGARD SPECTRA 19 mg / 4 mg chewable tablets for dogs >3.5–7.5 kg
NEXGARD SPECTRA 38 mg / 8 mg chewable tablets for dogs >7.5–15 kg
NEXGARD SPECTRA 75 mg / 15 mg chewable tablets for dogs >15–30 kg
NEXGARD SPECTRA 150 mg / 30 mg chewable tablets for dogs >30–60 kg

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each chewable tablet contains:

Active substances:

NEXGARD SPECTRA	Afoxolaner (mg)	Milbemycin oxime (mg)
chewable tablets for dogs 2–3.5 kg	9.375	1.875
chewable tablets for dogs >3.5–7.5 kg	18.75	3.75
chewable tablets for dogs >7.5–15 kg	37.50	7.50
chewable tablets for dogs >15–30 kg	75.00	15.00
chewable tablets for dogs >30–60 kg	150.00	30.00

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Chewable tablets
Mottled red to reddish brown, circular shaped (tablets for dogs 2–3.5 kg) or rectangular shaped (tablets for dogs >3.5–7.5 kg, tablets for dogs >7.5–15 kg, tablets for dogs >15–30 kg and tablets for dogs >30-60 kg).

4. CLINICAL PARTICULARS

4.1 Target species

Dogs.

4.2 Indications for use, specifying the target species

For the treatment of flea and tick infestations in dogs when the concurrent prevention of heartworm disease and/or treatment of gastrointestinal nematode infestations is indicated.

Treatment of flea infestations (*Ctenocephalides felis* and *C. canis*) in dogs for 5 weeks.

Treatment of tick infestations (*Dermacentor reticulatus, Ixodes ricinus, Rhipicephalus sanguineus*) in dogs for 4 weeks.

Fleas and ticks must attach to the host and commence feeding in order to be exposed to the active substance.

Treatment of infestations with adult gastrointestinal nematodes of the following species: roundworms (*Toxocara canis* and *Toxascaris leonina*), hookworms (*Ancylostoma caninum* and *Ancylostoma braziliense*) and whipworm (*Trichuris vulpis*).

Prevention of heartworm disease (*Dirofilaria immitis* larvae) with monthly administration.

4.3 Contraindications

Do not use in case of hypersensitivity to the active substances or to any of the excipients.

4.4 Special warnings for each target species

Fleas and ticks need to start feeding on the host to become exposed to afoxolaner; therefore the risk of the transmission of vector-borne diseases cannot be excluded.

Parasite resistance to any particular class of parasiticides may develop following the frequent, repeated use of a product of that class. Therefore, the use of this product should be based on the assessment of each individual case and on local epidemiological information about the current susceptibility of the target species in order to limit the possibility of a future selection for resistance.

Maintenance of the efficacy of macrocyclic lactones is critical for *Dirofilaria immitis* control. To minimise the risk of resistance selection, it is recommended that dogs should be checked for both circulating antigens and blood microfilariae at the beginning of each season of preventative treatment. Only negative animals should be treated.

4.5 Special precautions for use

Special precautions for use in animals

In the absence of available data, treatment of puppies less than 8 weeks of age and dogs less than 2 kg bodyweight should be based on a benefit-risk assessment by the responsible veterinarian.

In heartworm endemic areas, dogs should be tested for existing heartworm infestation prior to administration of NEXGARD SPECTRA. At the discretion of the veterinarian, infested dogs should be treated with an adulticide to remove adult heartworms. NEXGARD SPECTRA is not indicated for microfilariae clearance.

The recommended dose should be strictly observed in collies or related breeds.

Special precautions to be taken by the person administering the veterinary medicinal product to animals

- This product may cause gastrointestinal disturbances if ingested.
- Keep tablets in the blister packs until required, and keep the blisters in the outer carton.
- In case of accidental ingestion, particularly in the case of children, seek medical advice immediately and show the package leaflet or the label to the physician.
- Wash hands after use.

4.6 Adverse reactions (frequency and seriousness)

In clinical studies, no serious adverse reactions were attributed to the combination of afoxolaner and milbemycin oxime. Adverse reactions such as: vomiting, diarrhoea, lethargy, anorexia, and pruritus were uncommonly observed. These occurrences were generally self-limiting and of short duration.

The frequency of adverse reactions is defined using the following convention:
- very common (more than 1 in 10 animals displaying adverse reactions during the course of one treatment)
- common (more than 1 but less than 10 animals in 100 animals)
- uncommon (more than 1 but less than 10 animals in 1,000 animals)
- rare (more than 1 but less than 10 animals in 10,000 animals)
- very rare (less than 1 animal in 10,000 animals, including isolated reports).

4.7 Use during pregnancy, lactation or lay

Laboratory studies in rats and rabbits have not produced any evidence of teratogenic effects, or any adverse effect on the reproductive capacity in males and females.

The safety of the veterinary medicinal product has not been established during pregnancy and lactation or in breeding dogs. Use only according to the benefit-risk assessment by the responsible veterinarian.

4.8 Interaction with other medicinal products and other forms of interaction

Milbemycin oxime is a substrate for P-glycoprotein (P-gp) and therefore could interact with other P-gp substrates (for example, digoxin, doxorubicin) or other macrocyclic lactones. Therefore, concomitant treatment with other P-gp substrates could lead to enhanced toxicity.

4.9 Amounts to be administered and administration route

For oral use.

Dose:
The veterinary medicinal product should be administered at a dose of 2.50–5.36 mg/kg of afoxolaner and 0.50–1.07 mg/kg of milbemycin oxime in accordance with the following table:

Bodyweight (kg) of dog	**Number and strength of tablet to be administered**				
	NEXGARD SPECTRA 9 mg/ 2 mg	NEXGARD SPECTRA 19 mg/ 4 mg	NEXGARD SPECTRA 38 mg/ 8 mg	NEXGARD SPECTRA 75 mg/ 15 mg	NEXGARD SPECTRA 150 mg/ 30 mg
2–3.5	1				
>3.5–7.5		1			
>7.5–15			1		
>15–30				1	
>30–60					1

For dogs above 60 kg appropriate combinations of chewable tablets are used.

Method of administration:
The tablets are chewable and palatable to most dogs. If the dog does not accept the tablets directly they may be administered with food.

Treatment schedule:
The treatment schedule should be based on veterinary diagnosis and on the local epidemiological situation.

NEXGARD SPECTRA can be used as part of the seasonal treatment of fleas and ticks (replacing treatment with a monovalent flea and tick product) in dogs with diagnosed concurrent gastrointestinal nematode infestations. A single treatment is effective for the treatment of gastrointestinal nematodes. After treatment of the nematode infestations, further flea and tick treatment should be continued with a monovalent product.

Heartworm disease:
NEXGARD SPECTRA kills *Dirofilaria immitis* larvae up to one month after their transmission by mosquitoes therefore the product should be administered at regular monthly intervals during the time of the year when vectors are present, starting in the month after the first expected exposure to mosquitoes. Treatment should continue until 1 month after the last exposure to mosquitoes. To establish a treatment routine, it is recommended that the same day or date be used each month.

When replacing another heartworm preventative product in a heartworm prevention programme, the first treatment with NEXGARD SPECTRA should start on the date when the former medication was due to have been administered.

Dogs living in heartworm endemic areas, or those which have travelled to endemic areas, may be infested with adult heartworms. No therapeutic effect against adult *Dirofilaria immitis* has been established. It is therefore recommended that all dogs 8 months of age or more, living in heartworm endemic areas, should be tested for existing adult heartworm infestation before being treated with the product for heartworm prevention.

4.10 Overdose (symptoms, emergency procedures, antidotes), if necessary

No adverse reactions were observed in eight-week old healthy puppies after 6 treatments at up to 5 times the maximum dose.

4.11 Withdrawal period

Not applicable.

5. PHARMACOLOGICAL PROPERTIES

Pharmacotherapeutic group*:* antiparasitic products, endectocides, milbemycin combinations.
ATCvet code: QP54AB51.

5.1 Pharmacodynamic properties

Afoxolaner:
Afoxolaner is an insecticide and acaricide of the isoxazoline family.

Afoxolaner acts as an antagonist at ligand-gated chloride channels, in particular those gated by the neurotransmitter gamma-aminobutyric acid (GABA). Isoxazolines, among the chloride channel modulators, bind to a distinct and unique target site within the insect GABACls, thereby blocking pre- and post-synaptic transfer of chloride ions across cell membranes. Prolonged afoxolaner-induced hyperexcitation results in uncontrolled activity of the central nervous system and death of insects and acarines. The selective toxicity of afoxolaner between insects, acarines and mammals may be inferred by the differential sensitivity of the insects and acarines' GABA receptors versus mammalian GABA receptors.

It is active against adult fleas as well as against several tick species such as *Rhipicephalus sanguineus*, *Dermacentor reticulatus* and *D. variabilis, Ixodes ricinus* and *I. scapularis, Amblyomma americanum,* and *Haemaphysalis longicornis.*

Afoxolaner kills fleas before egg production and therefore prevents the risk of household contamination. It can be used as part of a treatment strategy for the control of flea allergy dermatitis (FAD).

Milbemycin oxime:
Milbemycin oxime is an antiparasitic endectocide belonging to the group of macrocyclic lactones. Milbemycin oxime contains two major factors, A3 and A4 (ratio of 20:80 for A3:A4). It is a fermentation product of *Streptomyces milbemycinicus*. Milbemycin oxime acts by disrupting the glutamate neuro-transmission in invertebrates. Milbemycin oxime increases glutamate binding with consequent enhanced chloride ion flow into the cell. This leads to hyperpolarisation of the neuromuscular membrane resulting in paralysis and death of the parasites.

5.2 Pharmacokinetic particulars

Afoxolaner had high systemic absorption. The absolute bioavailability is 88%. The mean maximum concentration (C_{max}) is 1822 ± 165 ng/ml in plasma found 2–4 hours (T_{max}) after a 2.5 mg/kg afoxolaner dose.

Afoxolaner distributes into tissues with a volume of distribution of 2.6 ± 0.6 l/kg and a systemic clearance value of 5.0 ± 1.2 ml/h/kg. The terminal plasma half-life is approximately 2 weeks in dogs.

Milbemycin oxime plasma concentrations peak quickly within the first 1–2 hours (T_{max}) indicating that absorption from the chewable is fast. The absolute bioavailability is 81% and 65% for the A3 and A4 forms, respectively. The terminal half-lives and maximum concentrations (C_{max}) following oral administration are 1.6 ± 0.4 days and 42 ± 11 ng/ml for the A3 form, 3.3 ± 1.4 days and 246 ± 71 ng/ml the A4 form.

Milbemycin oxime distributes into tissues with a volume of distribution of 2.7 ± 0.4 and 2.6 ± 0.6 l/kg for the A3 and A4 forms respectively. Both forms have low systemic clearance (75 ± 22 ml/h/kg for the A3 form and 41 ± 12 ml/h/kg for A4 form).

6. PHARMACEUTICAL PARTICULARS

6.1 List of excipients

Maize starch
Soy protein fines
Beef braised flavouring
Povidone (E1201)
Macrogol 400
Macrogol 4000
Macrogol 15 hydroxystearate
Glycerol (E422)
Triglycerides, medium-chain
Citric acid monohydrate (E330)
Butyl-hydroxytoluene (E321)

6.2 Incompatibilities

Not applicable.

6.3 Shelf life

Shelf life of the veterinary medicinal product as packaged for sale: 2 years.

6.4 Special precautions for storage

Keep the blister in the outer carton in order to protect from light.

6.5 Nature and composition of immediate packaging

The veterinary medicinal product is individually packaged in thermoformed laminated PVC blisters with paper-backed aluminium (Aclar/PVC/Alu).

One carton contains one blister of 1, 3 or 6 chewable tablets.
Not all pack sizes may be marketed.

6.6 Special precautions for the disposal of unused veterinary medicinal product or waste materials derived from the use of such products

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal product should be disposed of in accordance with local requirements.

7. MARKETING AUTHORISATION HOLDER

MERIAL
29, avenue Tony Garnier
69007 Lyon
FRANCE

8. MARKETING AUTHORISATION NUMBER(S)

EU/2/14/177/001-015

9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION

Date of first authorisation: {DD/MM/YYYY}

10. DATE OF REVISION OF THE TEXT

{DD/MM/YYYY}

Detailed information on this veterinary medicinal product is available on the website of the European Medicines Agency (http://www.ema.europa.eu).

PROHIBITION OF SALE, SUPPLY AND/OR USE

Not applicable.

ANNEX II

A. MANUFACTURER RESPONSIBLE FOR BATCH RELEASE

B. CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE

C. STATEMENT OF THE MRLs

A. MANUFACTURER RESPONSIBLE FOR BATCH RELEASE

Name and address of the manufacturer(s) responsible for batch release

MERIAL
4 Chemin du Calquet
31000 Toulouse
FRANCE

B. CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE

Veterinary medicinal product subject to prescription.

C. STATEMENT OF THE MRLs

Not applicable.

ANNEX III

LABELLING AND PACKAGE LEAFLET

A. LABELLING

PARTICULARS TO APPEAR ON THE OUTER PACKAGE

Outer carton

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

NEXGARD SPECTRA 9 mg/ 2 mg chewable tablets for dogs 2–3.5 kg
NEXGARD SPECTRA 19 mg/ 4 mg chewable tablets for dogs >3.5–7.5 kg
NEXGARD SPECTRA 38 mg/ 8 mg chewable tablets for dogs >7.5–15 kg
NEXGARD SPECTRA 75 mg/ 15 mg chewable tablets for dogs >15–30 kg
NEXGARD SPECTRA 150 mg/ 30 mg chewable tablets for dogs >30–60 kg
afoxolaner / milbemycin oxime

2. STATEMENT OF ACTIVE AND OTHER SUBSTANCES

Each chewable tablet contains 9.375 mg afoxolaner and 1.875 mg milbemycin oxime
Each chewable tablet contains 18.75 mg afoxolaner and 3.75 mg milbemycin oxime
Each chewable tablet contains 37.5 mg afoxolaner and 7.5 mg milbemycin oxime
Each chewable tablet contains 75 mg afoxolaner and 15 mg milbemycin oxime
Each chewable tablet contains 150 mg afoxolaner and 30 mg milbemycin oxime

3. PHARMACEUTICAL FORM

Chewable tablets

4. PACKAGE SIZE

1 chewable tablet
3 chewable tablets
6 chewable tablets

5. TARGET SPECIES

Dogs 2–3.5 kg
Dogs >3.5–7.5 kg
Dogs >7.5–15 kg
Dogs >15–30 kg
Dogs >30–60 kg

6. INDICATION(S)

7. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

8. WITHDRAWAL PERIOD

9. SPECIAL WARNING(S), IF NECESSARY

Read the package leaflet before use.

10. EXPIRY DATE

EXP {month/year}

11. SPECIAL STORAGE CONDITIONS

Keep the blister in the outer carton in order to protect from light.

12. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCTS OR WASTE MATERIALS, IF ANY

Disposal: read package leaflet.

13. THE WORDS "FOR ANIMAL TREATMENT ONLY" AND CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE, IF APPLICABLE

For animal treatment only. To be supplied only on veterinary prescription.

14. THE WORDS "KEEP OUT OF THE SIGHT AND REACH OF CHILDREN"

Keep out of the sight and reach of children.

15. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER

MERIAL
29, avenue Tony Garnier
69007 Lyon
FRANCE

16. MARKETING AUTHORISATION NUMBER(S)

EU/2/14/177/001 – 9 mg/ 2 mg, 1 chewable tablet
EU/2/14/177/002 – 9 mg/ 2 mg, 3 chewable tablets
EU/2/14/177/003 – 9 mg/ 2 mg, 6 chewable tablets
EU/2/14/177/004 – 19 mg/ 4 mg, 1 chewable tablet
EU/2/14/177/005 – 19 mg/ 4 mg, 3 chewable tablets
EU/2/14/177/006 – 19 mg/ 4 mg, 6 chewable tablets
EU/2/14/177/007 – 38 mg/ 8 mg, 1 chewable tablet
EU/2/14/177/008 – 38 mg/ 8 mg, 3 chewable tablets
EU/2/14/177/009 – 38 mg/ 8 mg, 6 chewable tablets

EU/2/14/177/010 – 75 mg/ 15 mg, 1 chewable tablet
EU/2/14/177/011 – 75 mg/ 15 mg, 3 chewable tablets
EU/2/14/177/012 – 75 mg/ 15 mg, 6 chewable tablets
EU/2/14/177/013 –150 mg/ 30 mg, 1 chewable tablet
EU/2/14/177/014 –150 mg/ 30 mg, 3 chewable tablets
EU/2/14/177/015 –150 mg/ 30 mg, 6 chewable tablets

17. MANUFACTURER'S BATCH NUMBER

Lot {number}

MINIMUM PARTICULARS TO APPEAR ON BLISTERS OR STRIPS

Blister

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

NEXGARD SPECTRA 9 mg/ 2 mg dogs 2–3.5 kg
NEXGARD SPECTRA 19 mg/ 4 mg dogs >3.5–7.5 kg
NEXGARD SPECTRA 38 mg/ 8 mg dogs >7.5–15 kg
NEXGARD SPECTRA 75 mg/ 15 mg dogs >15–30 kg
NEXGARD SPECTRA 150 mg/ 30 mg dogs >30–60 kg

afoxolaner / milbemycin oxime
Tablets

2. NAME OF THE MARKETING AUTHORISATION HOLDER

MERIAL

3. EXPIRY DATE

EXP

4. BATCH NUMBER

Lot

5. THE WORDS "FOR ANIMAL TREATMENT ONLY"

For animal treatment only.

B. PACKAGE LEAFLET

PACKAGE LEAFLET FOR:
NEXGARD SPECTRA 9 mg / 2 mg chewable tablets for dogs 2–3.5 kg
NEXGARD SPECTRA 19 mg / 4 mg chewable tablets for dogs >3.5–7.5 kg
NEXGARD SPECTRA 38 mg / 8 mg chewable tablets for dogs >7.5–15 kg
NEXGARD SPECTRA 75 mg / 15 mg chewable tablets for dogs >15–30 kg
NEXGARD SPECTRA 150 mg / 30 mg chewable tablets for dogs >30–60 kg

1. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER AND OF THE MANUFACTURING AUTHORISATION HOLDER RESPONSIBLE FOR BATCH RELEASE, IF DIFFERENT

Marketing authorisation holder:
MERIAL
29, avenue Tony Garnier
69007 Lyon
FRANCE

Manufacturer responsible for batch release:
MERIAL,
4 Chemin du Calquet,
31000 Toulouse,
FRANCE

2. NAME OF THE VETERINARY MEDICINAL PRODUCT

NEXGARD SPECTRA 9 mg / 2 mg chewable tablets for dogs 2–3.5 kg
NEXGARD SPECTRA 19 mg / 4 mg chewable tablets for dogs >3.5–7.5 kg
NEXGARD SPECTRA 38 mg / 8 mg chewable tablets for dogs >7.5–15 kg
NEXGARD SPECTRA 75 mg / 15 mg chewable tablets for dogs >15–30 kg
NEXGARD SPECTRA 150 mg / 30 mg chewable tablets for dogs >30–60 kg
Afoxolaner, milbemycin oxime

3. STATEMENT OF THE ACTIVE SUBSTANCE(S) AND OTHER INGREDIENT(S)

Each chewable tablet contains the active substances:

NEXGARD SPECTRA	Afoxolaner (mg)	Milbemycin oxime (mg)
chewable tablets for dogs 2–3.5 kg	9.375	1.875
chewable tablets for dogs >3.5–7.5 kg	18.75	3.75
chewable tablets for dogs >7.5–15 kg	37.50	7.50
chewable tablets for dogs >15–30 kg	75.00	15.00
chewable tablets for dogs >30–60 kg	150.00	30.00

Mottled red to reddish brown, circular shaped (tablets for dogs 2–3.5 kg) or rectangular shaped (tablets for dogs >3.5–7.5 kg, tablets for dogs >7.5–15 kg, tablets for dogs >15–30 kg and tablets for dogs >30-60 kg).

4. INDICATIONS

For the treatment of flea and tick infestations in dogs when the concurrent prevention of heartworm disease and/or treatment of gastrointestinal worm infestations is indicated.

Treatment of flea infestations (*Ctenocephalides felis* and *C.canis*) in dogs.

Treatment of tick infestations (*Dermacentor reticulatus, Ixodes ricinus, Rhipicephalus sanguineus*) in dogs.

Fleas and ticks must attach to the host and commence feeding in order to be exposed to the active substance.

Treatment of infestations with adult gastrointestinal worms of the following species: roundworms (*Toxocara canis* and *Toxascaris leonina*), hookworms (*Ancylostoma caninum* and *Ancylostoma braziliense*) and whipworm (*Trichuris vulpis*).

Prevention of heartworm disease (*Dirofilaria immitis* larvae) with monthly administration.

5. CONTRAINDICATIONS

Do not use in case of hypersensitivity to the active substances or to any of the excipients.

6. ADVERSE REACTIONS

In clinical studies, no serious adverse reactions were attributed to the combination of afoxolaner with milbemycin oxime. Adverse reactions such as: vomiting, diarrhoea, lack of energy, decreased appetite and itching were uncommonly observed. These occurrences were generally self-limiting and of short duration.

The frequency of adverse reactions is defined using the following convention:
- very common (more than 1 in 10 animals displaying adverse reaction(s) during the course of one treatment)
- common (more than 1 but less than 10 animals in 100 animals)
- uncommon (more than 1 but less than 10 animals in 1,000 animals)
- rare (more than 1 but less than 10 animals in 10,000 animals)
- very rare (less than 1 animal in 10,000 animals, including isolated reports).

If you notice any serious effects or other effects not mentioned in this package leaflet, please inform your veterinary surgeon.

7. TARGET SPECIES

Dogs

8. DOSAGE FOR EACH SPECIES, ROUTE(S) AND METHOD OF ADMINISTRATION

For oral use.

Dose:
The veterinary medicinal product should be administered in accordance with the following table:

Bodyweight (kg) of dog	**Number and strength of tablet to be administered**				
	NEXGARD SPECTRA 9 mg/ 2 mg	NEXGARD SPECTRA 19 mg/ 4 mg	NEXGARD SPECTRA 38 mg/ 8 mg	NEXGARD SPECTRA 75 mg/ 15 mg	NEXGARD SPECTRA 150 mg/ 30 mg
2–3.5	1				
>3.5–7.5		1			
>7.5–15			1		
>15–30				1	
>30–60					1

For dogs above 60 kg appropriate combinations of chewable tablets are used.

Method of administration:
The tablets are chewable and palatable to most dogs. If the dog does not accept the tablets directly they may be administered with food.

Treatment schedule:
The treatment schedule should be based on veterinary diagnosis and on the local epidemiological situation.

NEXGARD SPECTRA can be used as part of the seasonal treatment of fleas and ticks (replacing a product authorised for the treatment of fleas/ticks only) in dogs with diagnosed concurrent gastrointestinal worm infestations.

A single treatment is effective for gastrointestinal worms.

Efficacy of the treatment against flea and tick infestations lasts for one month. Further treatments may be indicated throughout the flea and/or tick season. Ask your veterinarian how to continue flea and tick treatment.

Heartworm disease:
NEXGARD SPECTRA kills *Dirofilaria immitis* larvae (heartworm) up to one month after their transmission by mosquitoes. Therefore, the product should be administered at regular monthly intervals during the time of the year when mosquitoes are present, starting in the month after the first expected exposure to them.

Treatment should continue until 1 month after the last exposure to mosquitoes. To establish a treatment routine, it is recommended that the same day or date be used each month. When replacing another heartworm preventative product in a heartworm prevention programme, the first treatment with NEXGARD SPECTRA should start on the date when the former medication was due to have been administered.

Dogs living in heartworm endemic areas (where heartworm disease is present), or those which have travelled to endemic areas, may be infested with adult heartworms. No therapeutic effect against adult *Dirofilaria immitis* has been established. It is therefore recommended that all dogs 8 months of age or more, living in heartworm endemic areas, should be tested for existing adult heartworm infestation before being treated with the product for heartworm prevention.

9. ADVICE ON CORRECT ADMINISTRATION

The tablets are chewable and palatable to most dogs. If the dog does not accept the tablets directly, they may be administered with food.

10. WITHDRAWAL PERIOD

Not applicable.

11. SPECIAL STORAGE PRECAUTIONS

Keep out of the sight and reach of children.
Keep the blister in the outer carton in order to protect from light.
Do not use this veterinary medicinal product after the expiry date which is stated on the carton after EXP.

12. SPECIAL WARNINGS

Special warnings for each species:
Fleas and ticks need to start feeding on the host to become exposed to the substance afoxolaner; therefore the risk of the transmission of diseases by fleas and ticks cannot be excluded.

Parasite resistance to any particular class of parasiticides may develop following the frequent, repeated use of a product of that class. Therefore, the use of this product should be adapted to each individual case based on local information relating to disease status, including current susceptibility of the target parasites to the active substances in this product, in order to limit the possibility of a future selection for resistance.

Heartworm disease prevention is critical. To minimise the risk of resistance selection, it is recommended that dogs should be checked for both circulating antigens and blood microfilariae at the beginning of each season of preventative treatment. Only negative animals should be treated.

Special precautions for use in animals:
In the absence of available data, treatment of puppies less than 8 weeks of age and dogs less than 2 kg bodyweight should be based on a benefit-risk assessment by the responsible veterinarian.

In regions where heartworm disease is present, dogs should be tested for existing heartworm infestation prior to administration of NEXGARD SPECTRA. At the discretion of the veterinarian, infested dogs should be treated with an adulticide to remove adult heartworms. NEXGARD SPECTRA is not indicated for removal of microfilariae from positive dogs.

The recommended dose should be strictly observed in collies or related breeds.

Special precautions to be taken by the person administering the veterinary medicinal product to animals:
- This product may cause gastrointestinal disturbances if ingested.
- Keep tablets in the blister packs until required, and keep the blisters in the outer carton.
- In case of accidental ingestion, particularly in the case of children, seek medical advice immediately and show the package leaflet or the label to the physician.
- Wash hands after use.

Pregnancy and lactation:
Laboratory studies in rats and rabbits have not produced any evidence of birth defects, or any adverse effect on the reproductive capacity in males and females.

The safety of the veterinary medicinal product has not been established during pregnancy and lactation or in breeding dogs. Use only according to the benefit-risk assessment by the responsible veterinarian.

Interaction with other medicinal products and other forms of interaction:
Milbemycin oxime is a substrate for P-glycoprotein (P-gp) and therefore could interact with other P-gp substrates (for example, digoxin, doxorubicin) or other macrocyclic lactones. Therefore, concomitant treatment with other P-gp substrates could lead to enhanced toxicity.

Overdose (symptoms, emergency procedures, antidotes):
No adverse reactions were observed in eight-week old healthy puppies after 6 treatments at up to 5 times the maximum dose.

13. SPECIAL PRECAUTIONS FOR THE DISPOSAL OF UNUSED PRODUCT OR WASTE MATERIALS, IF ANY

Ask your veterinary surgeon how to dispose of medicines no longer required. These measures should help to protect the environment.

14. DATE ON WHICH THE PACKAGE LEAFLET WAS LAST APPROVED

Detailed information on this product is available on the website of the European Medicines Agency (http://www.ema.europa.eu/).

15. OTHER INFORMATION

Afoxolaner is an insecticide and acaricide belonging to the isoxazoline family. It is active against adult fleas as well as against several tick species such as *Rhipicephalus sanguineus, Dermacentor reticulatus* and *D. variabilis, Ixodes ricinus* and *I. scapularis, Amblyomma americanum* and *Haemaphysalis longicornis.*

Afoxolaner kills fleas before egg production and therefore prevents the risk of household contamination. It can be used as part of a treatment strategy for the control of flea allergy dermatitis (FAD).

Milbemycin oxime is an antiparasitic endectocide belonging to the group of macrocyclic lactones. It is active against several gastrointestinal worms (such as: *Toxocara canis, Toxascaris leonina, Ancylostoma caninum, Ancylostoma braziliense, Trichuris vulpis)* and *Dirofilaria immitis* larvae.

For each strength, the chewable tablets are available in the following pack sizes:
Carton with 1 thermoformed blister containing 1, 3 or 6 chewable tablets.
Not all pack sizes may be marketed.