



FOR ANIMAL USE ONLY

Symphony™

5⁺

Reg. No. G4476 (Act 36/1947)

INJECTABLE ANTHELMINTIC REMEDY FOR CATTLE AND SHEEP

For the treatment of wireworm, hookworm, nodular worm, *Parafilaria bovicola* (false bruising) and liver fluke in cattle. For the treatment of wireworm (including Whiteriver, Nootgedacht and Kokstad resistant strains), nodular worm, nasal worm and liver fluke in sheep.

CAUTION

STORAGE INSTRUCTIONS

Store at room temperature below 30 °C. Protect from light.

COMPOSITION

Nitroxylnil 34 % m/v

WARNINGS

Meat withdrawal:

- Animals treated for liver fluke and roundworms at the standard dose, should not be slaughtered for human consumption within 60 days of treatment for cattle and within 45 days for sheep.
- Cattle treated for *Parafilaria* at double the dose, i.e. 20 mg/kg, should not be slaughtered for human consumption within 70 days of treatment.

Milk withdrawal:

- Milk from animals treated for liver fluke and roundworms at the standard dose should not be used for human consumption within 3 days of treatment.
- Do not treat lactating cows against *Parafilaria* (double dose) if the milk is used for human consumption.

Dosage:

- The recommended dosage should not be exceeded. In the case of *Parafilaria* treatment this may lead to poisoning. The use of a weighband or scale is essential.
- Do not treat calves younger than 6 months old with the double dose.
- Keep out of reach of uninformed persons, children and animals.
- Although this remedy has been extensively tested under a large variety of conditions, failure thereof may ensue as a result of a wide range of reasons. If this is suspected, seek veterinary advice and notify the registration holder.

PRECAUTIONS

- Observe the usual aseptic precautions by boiling syringes and needles in clean water for at least 15 minutes. Do not use disinfectants or methylated spirits for sterilisation of syringes or needles. Use a separate needle for each animal.

- Animals should not be driven for long distances after treatment and should at all times be handled and treated carefully.
- Cows, heifers and ewes in advanced pregnancy may be treated at the standard dose, but should be driven, handled and treated carefully. It is not advisable to treat pregnant cows at the double dose.
- Vaccinate all stock against blackquarter at least 3 weeks before injecting with **Symphony™**.
- Symphony™** solution stains and care should be taken to avoid spilling.
- Wash splashes from skin and eyes immediately.
- Large doses may cause swelling under the skin, but the effect usually disappears within a few days.

DIRECTIONS FOR USE

Use only as directed

Cattle:

SUBCUTANEOUS INJECTION ONLY. Intravenous and intramuscular injection can cause irritation.

Standard dose

Liver fluke and roundworms other than *Parafilaria*: Treat at the rate of 1,5 ml/50 kg body mass (± equivalent to 10 mg active ingredient per kg body mass).

Double dose

Parafilaria bovicola (false bruising): Treatment consists of 1 injection of 3 ml of **Symphony™** per 50 kg body mass (± equivalent to 20 mg active ingredient per kg body mass). Treat slaughter stock at least 70 days before marketing.

If the total dosage exceeds 10 ml, inject in more than one site and massage thoroughly.

Dosage: Cattle

Body mass	Liver fluke and roundworms Standard dose (10 mg/kg)	<i>Parafilaria</i> Double dose (20 mg/kg)
50 kg	1,5 ml	3 ml
150 kg	4,5 ml	9 ml
300 kg	9,0 ml	18 ml

Sheep:

SUBCUTANEOUS INJECTION ONLY. Intravenous and intramuscular injection can cause irritation.

Liver fluke, wireworm and nasal worm

Treat at the rate of 1 ml **Symphony™** per 25 kg body mass (± equivalent to 13,6 mg active ingredient per kg body mass).

Dosage: Sheep

Body mass (kg)	Standard dose (ml)
15	0,6
20	0,8
25	1,0
50	2,0
60	2,4

TREATMENT GUIDE

• Liver fluke outbreaks

Early recognition of outbreaks is important and it is essential to give each animal in the herd an injection of **Symphony™** without delay. However, see warning with reference to milking cows. When re-infestation is occurring, repeat the treatment with 8 weekly intervals.

Routine preventative treatment

A routine dosing programme may be used to prevent liver fluke or to control wireworm, hookworm and nodular worm in cattle and liver fluke, wireworm and nasal worm in sheep. Best use of the product can be obtained by taking into account all known factors affecting seasonal incidence of these parasites.

General treatment guide

Treat cattle and sheep before bringing them into feedlots or onto the farm, especially if they originate from liver fluke and/or roundworm infested areas.

• *Parafilaria bovicola* (false bruising)

Early recognition of outbreaks in a herd is of utmost importance. The disease causes "bleeding points" on the skin, from which blood is exuded, running down the coat. These bleeding points resemble injury by thorns, biting flies and ticks. Bleeding points increase in number from the beginning of June every year and reach a peak in September/October and decrease until few are seen in December. At the abattoir, the lesions caused by *Parafilaria bovicola* resemble bruising, hence the name "false bruising".

Treatment

After treatment with **Symphony™** the lesions take up to 10 weeks to disappear. In order to reap full benefit from the treatment it is necessary to wait at least 10 weeks after treatment before slaughter of the animal for human consumption.

General treatment guide

Where the disease is known to occur it is advisable to treat all animals at least once with a course of one injection at double dose during the months of May - December, at least 10 weeks and at most 14 weeks prior to slaughter.

EFFICACY

Cattle:

Effective against *Parafilaria bovicola* (false bruising) at double dose.

Gastrointestinal nematodes	Adult	Immature
Wireworm (<i>Haemonchus placei</i>)	*	*
Hookworm (<i>Bunostomum phlebotomum</i>)	*	*
Nodular worm (<i>Oesophagostomum radiatum</i>)	*	**
Trematodes		
Liver fluke (<i>F. hepatica</i> , <i>F. gigantica</i>)	*	

Definition: * Control (≥ 90 % effective)

** Aids in control of (60 – 89 % effective)

Sheep:

Gastrointestinal nematodes	Adult	Immature
Wireworm (<i>Haemonchus contortus</i>)	**	
Nootgedacht resistant wireworm strain ^Δ (<i>Haemonchus contortus</i>)	*	
Kokstad resistant wireworm strain ^Δ (<i>Haemonchus contortus</i>)	*	
Whiteriver resistant wireworm strain ^Δ (<i>Haemonchus contortus</i>)	*	
Nodular worm (<i>Oesophagostomum spp.</i>)		**
Trematodes		
Liver fluke (<i>F. hepatica</i> , <i>F. gigantica</i>)	*	
Nasal worm (<i>Oestrus ovis</i>)		*

Definition: * Control (≥ 90 % effective)

** Aids in control of (60 – 89 % effective)

^Δ Resistant strains

PRESENTATION

50 ml, 250 ml, 500 ml, 1L polyethylene bottle

[†] Nitrophenols

Registration Holder:

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SLEGS VIR DIEREGBRUIK

Symphony™

(5)†

Reg. No. G4476 (Wet 36/1947)

INSPUITBARE WURMMIDDEL VIR BEESTE EN SKAPE.

Vir die behandeling van haarwurm, haakwurm, knoppieswurm, *Parafilaria bovicola* (vals kneusing) en lewerslak by beeste. Vir die behandeling van haarwurm (insluitend Witrivier, Nootgedacht en Kokstad weerstandige stamme), knoppieswurm, neuswurm en lewerslak by skape.

VERSIGTIG

BERGINGSAAWYSINGS

Berg teen kamertemperatuur benede 30 °C. Beskerm teen lig.

SAMESTELLING

Nitroxylnil 34 % m/v

WAARSKUWINGS

Vleis onttekkings:

- Diere wat behandel is met 'n standaard dosis teen lewerslak en rondewurms moenie binne 60 dae na behandeling vir menslike verbruik geslag word nie vir beeste en 45 dae vir skape.
- Beeste wat behandel is met 'n dubbel dosis (20 mg/kg) vir *Parafilaria* moenie binne 70 dae na behandeling vir menslike verbruik geslag word nie.

Melk onttekkings:

- Moenie melk van diere wat behandel is vir lewerslak en rondewurms (standard dosis) vir menslike gebruik binne 3 dae na behandeling gebruik nie.
- Moenie lakterende koeie teen *Parafilaria* (dubbel dosis) behandel as die melk vir menslike verbruik bestem is nie.

Dosis:

- Die aanbevole dosis mag nie oorskry word nie. In die geval van *Parafilaria* mag behandeling lei tot vergiftiging. 'n Weegband of skaal is noodsaaklik.
- Moenie kalwers jonger as 6 maande oud, met 'n dubbel dosis behandel nie.
- Hou buite bereik van kinders, oningeligte persone en diere.
- Alhoewel hierdie middel breedvoerig onder 'n wye verskeidenheid van toestande getoets is, mag dit faal as gevolg van verskeie redes. Indien dit vermoed word, raadpleeg 'n veearts en verwittig die registrasiehouer.

VOORSORGMATREËLS

- Maak gebruik van aseptiese voorsorgmaatreëls deur die spuite en naalde in skoon water te kook vir minstens 15 minute. Moenie naalde of spuite met ontsmettingsmiddels of spiritus steriliseer nie. Gebruik 'n aparte naald vir elke dier.

- Moenie diere vir lang distansies aanjaag na behandeling nie en behandel ten alle tye versigtig.
- Koeie, verse en ooie wat ver dragtig is mag met 'n standaard dosis behandel word, maar moet versigtig aangejaag word. Dit word nie aanbeveel om koeie met 'n dubbel dosis te behandel nie.
- Diere moet teen sponsiekte ingeënt word ten minstens 3 weke voor behandeling met **Symphony™**.
- **Symphony™** veroorsaak vlekke en voorsorg moet getref word om die oplossing nie te mors nie.
- Was vel en oë onmiddellik in geval van aanraking.
- Groot dosisse mag swelling onder die vel veroorsaak wat binne 'n paar dae sal verdwyn.

GBRUIKSAANWYSINGS

Gebruik slegs soos aangedui

Beeste:

SLEGS VIR ONDERHUIDSE GBRUIK. Binnearse en binnespiersie inspuiting kan irritasie veroorsaak.

Standaarddosies

Lewerslak en rondewurms uitsluitend *Parafilaria*: Behandel met 'n dosis van 1,5 ml/50 kg liggaamsmassa (± gelykstaande as 10 mg aktiewe bestanddeel per kg liggaamsmassa).

Dubbeldosis

Parafilaria bovicola (vals kneusing): Behandeling van 1 inspuiting van 3 ml van **Symphony™** per 50 kg liggaamsmassa (± gelykstaande aan 20 mg aktiewe bestanddeel per kg liggaamsmassa). Behandel slagdiere minstens 70 dae voor bemarking.

Indien die dosis meer as 10 ml is, gebruik meer as een inspuitlek en masseer deeglik.

Dosis: Beeste

Liggaamsmassa	Lewerslak en rondewurms Standaarddosies (10 mg/kg)	<i>Parafilaria</i> Dubbeldosis (20 mg/kg)
50 kg	1,5 ml	3 ml
150 kg	4,5 ml	9 ml
300 kg	9,0 ml	18 ml

Skape:

SLEGS VIR ONDERHUIDSE INSPUITING. Binnears en binnespiersie inspuiting kan irritasie veroorsaak.

Lewerslak, Haarwurm en Neuswurm

Behandel teen 1 ml **Symphony™** per 25 kg liggaamsmassa (± gelykstaande aan 13,6 mg aktiewe bestanddeel per kg liggaamsmassa).

Dosis: Skape

Liggaamsmassa (kg)	Standaard dosis (ml)
15	0,6
20	0,8
25	1,0
50	2,0
60	2,4

BEHANDELING GIDS

• Lewerslak uitbrake

Dit is belangrik om 'n vroeë uitbraak te identifiseer sodat elke dier in die trop onmiddellik behandel kan word met **Symphony™**. Sien waarskuwings in verband met melkkoeie. Waar herinfestasie voorkom, herhaal die behandeling met 8 weelklike tussenposes.

Roetiene voorsorgbehandeling

'n Roetine program mag gebruik word vir die voorkoming van lewerslak en die beheer van haar-, haak-en knoppieswurm in beeste en lewerslak, haar-, en neuswurm in skape. Vir die beste resultate moet alle faktore en seisoenale voorvalle van parasiet besmetting in ag geneem word.

Algemene behandeling program

Beeste en skape moet behandel word voordat hulle na voerkrale of plase geneem word, veral wanneer hulle van lewerslak en/of rondewurm besmette areas afkomstig is.

• *Parafilaria bovicola* (vals kneusing)

Dit is van uiterste belang om 'n vroeë uitbraak in trope te identifiseer. Die siekte veroorsaak "bloedpunte" op die vel wat die bloed afgeskei en teen die vel afloop. Hierdie bloedpunte kom ooreen met beseerings veroorsaak deur dorings, bytende vlieë en bosluise. Bloedpunte vermeerder vanaf die begin van Junie elke jaar en bereik 'n piek in September/Oktobor en verminder tot 'n paar waargeneem word in Desember. By slagpale word die kneusing wat veroorsaak word deur *Parafilaria bovicola* aangesien as kneusing, daarvan die naam "vals kneusing".

Behandeling

Die letsels verdwyn na 10 weke met behandeling met **Symphony™**. Om volle voordeel te trek van behandeling moet daar ten minste 10 weke na behandeling gewag word alvorens die slag van diere vir menslike verbruik.

Algemene behandelingsgids

Dit word aanbeveel dat alle diere ten minste eenkeer met 'n kursus van 1 inspuiting van dubbel dosis gedurende die maande van Mei-Desember behandel word vir, ten minste 10 weke en ten meeste 14 weke voor slagting.

DOELTREFFENDHEID

Beeste:

Effektief teen *Parafilaria bovicola* (vals kneusing) teen 'n dubbeldosis.

Maagdermkanal rondewurms	Volwasse	Onvolwasse
Haarwurm (<i>Haemonchus placei</i>)	*	*
Haakwurm (<i>Bunostomum phlebotomum</i>)	*	*
Knoppieswurm (<i>Oesophagostomum radiatum</i>)	*	**
Trematode		
Lewerslak (<i>F. hepatica</i> , <i>F. gigantica</i>)	*	

Definisie: * Beheer (≥ 90 % effektief)

** Hulpmiddel in die beheer van (60 – 89 % effektief)

Skape:

Maagdermkanal rondewurms	Volwasse	Onvolwasse
Haarwurm (<i>Haemonchus contortus</i>)	**	
Nootgedacht weerstandbiedende haarwurm stam ^Δ (<i>Haemonchus contortus</i>)	*	
Kokstad weerstandbiedende haarwurm stam ^Δ (<i>Haemonchus contortus</i>)	*	
Witrivier weerstandbiedende haarwurm stam ^Δ (<i>Haemonchus contortus</i>)	*	
Knoppieswurm (<i>Oesophagostomum spp.</i>)		**
Trematode		
Lewerslak (<i>F. hepatica</i> , <i>F. gigantica</i>)	*	
Neuswurm (<i>Oestrus ovis</i>)		*

Definisie: * Beheer (≥ 90 % effektief)

** Hulpmiddel in die beheer van (60 – 89 % effektief)

^Δ Weerstandige stamme

AANBIEDING

50 ml, 250 ml, 500 ml, 1 l poliëteleen bottel

† Nitrofenole

Registrasiehouer:

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