

fact sheet



The **BIONIC** controlled release capsule (**CRC**) for sheep contains 160mg **ABAMECTIN**, a member of the macrocyclic lactone family of chemicals, 4.62g **ALBENDAZOLE**, a member of the benzimidazole (white) family of drenches, 24mg Selenium and 120mg Cobalt.

- Broad spectrum gastrointestinal worm and lungworm control
- Sustained activity; ingredients delivered at a controlled rate over 100 days
- True combination product with both actives administered simultaneously
- Reduces pasture contamination with worm eggs for at least 100 days
- Provides supplemental selenium for 210 days and cobalt for 100 days

INDICATIONS

BIONIC CRC treats established infections of, and prevents reinfection with, the following susceptible strains of parasites:

Gastro-intestinal roundworms (*includes inhibited L4):

- Barber's Pole Worm (*Haemonchus contortus**)
- Small Brown Stomach Worm (*Teladorsagia (Ostertagia) circumcincta**, *Te. trifurcata**)
- Stomach Hair Worm (*Trichostrongylus axei**)
- Black Scour Worm (*Trichostrongylus colubriformis**, *Tr. vitrinus**)
- Small Intestinal Worm (*Cooperia curticei*, *C. oncophora*)
- Thin-necked Intestinal Worm (*Nematodirus spathiger**, *N. filicollis**)
- Large Mouth Bowel Worm (*Chabertia ovina*)
- Nodule Worm (*Oesophagostomum columbianum*)
- Large Bowel Worm (*O. venulosum*)
- Whipworm (*Trichuris* spp.)
- Intestinal Threadworm (*Strongyloides papillosus*)

Lungworm (*Protostrongylus rufescens*, *Dictyocaulus filaria*)

BIONIC CRC also prevents pasture contamination with nematode eggs for at least 100 days.

COMBINATION PRODUCT WITH SUSTAINED ACTIVITY

BIONIC CRC provides a controlled dose of two short-acting anthelmintics for 100 days before shutting down. The sustained activity of **BIONIC CRC** prevents the reinfection of stock with susceptible parasitic nematode larvae throughout the payout period of the **CRC**. For this reason, **CRCs** may be of benefit to susceptible stock under challenge from reinfection. As lambing ewes are affected by a periparturient relaxation in immunity to parasite infection, **CRCs** may be of benefit when administered to ewes prior to lambing. In this case, protection of ewes from parasite infection will be provided throughout the lambing period and during lactation for 100 days.

MINERAL SUPPLEMENTATION

BIONIC CRC provides a selenium and cobalt supplement for sheep raised in selenium and/or cobalt deficient areas. Mineral supplementation will last for at least 210 days for selenium and 100 days for cobalt.



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DOSE RATE

The dose rate of **BIONIC CRC** is 1 capsule per sheep weighing between 40 and 80kg. The capsule needs to be administered using the **BIONIC** applicator. Existing applicators designed for the **EXTENDER**[®] capsule may also be used. Capsules must be administered using the correct dosage technique. Refer to the label for detailed instructions. Animals weighing over 80kg should be dosed with two capsules each.

Live weight	Dose	500 capsule pack treats
40 – 80kg	1 capsule	500
Above 80kg	2 capsules	250

SELENIUM SAFETY

Selenium can have toxic effects, particularly in sheep with liver damage that graze in areas where plants containing pyrrolizidine alkaloids are present. Subsequent doses of **BIONIC CRC** should not be administered within 270 days.

CONTRAINDICATIONS

Do not use at the same time as other selenium treatments, such as selenised vaccines, drenches or pellets, pasture top dressing and fertilisers, without consulting a veterinarian. Use only in areas of known selenium deficiency. Seek veterinary advice to establish selenium deficiency before use. Do not administer selenium supplements within one year of long-term selenium bullet or capsule treatment.

RESISTANCE

Resistance may develop to any anthelmintic. However, studies have shown that using combination products, such as **BIONIC CRC**, can significantly delay the development of resistance. Local veterinarians or animal health advisers may provide more information on local parasite management programs to reduce the development of resistance. It is advisable that a drench-resistance test be conducted before any treatment is used. Faecal egg counts from treated sheep should be monitored approximately half way through the payout period of the **CRC**.

WITHHOLDING PERIODS

MEAT: 125 DAYS

EXPORT SLAUGHTER INTERVAL (ESI): 164 days

MILK: DO NOT USE in ewes which are producing, or may in the future produce milk or milk products for human consumption

PACK SIZES AVAILABLE

Bags of 100 capsules

Buckets of 5 x bags



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