

Virbamec[®] Plus

Endectocide & Flukicide for Cattle INJECTION

Virbamec Plus Injection

Virbamec Plus Endectocide and Flukicide for cattle is an easy to use, effective injection for the treatment and control of ivermectin sensitive strains of internal and external parasites, as well as giving adult liver fluke control.

WHAT IS VIRBAMEC PLUS?

- Dual action ivermectin and clorsulon to give broad spectrum control of parasites affecting beef and dairy cattle.
- Injection – easy to use.
- Nil milk withholding period – able to be used in lactating dairy cows.
- The spring treatment recommended in the Flukekill™ Programme.

WHY CHOOSE VIRBAMEC PLUS?

- ✓ **Nil milk withholding period** – Virbamec Plus can be used throughout the lactation on all dairy cows.
- ✓ **Broad spectrum parasite control** – controls or aids in control of internal and external parasites, including adult liver fluke, *Ostertagia* (including inhibited stages), lice, mites and cattle tick.
- ✓ **Sustained activity** - effectively controls infection with *Ostertagia* spp. and *Cooperia* spp. acquired up to 7 days after treatment, and *Dictyocaulus viviparus* (lungworm) acquired up to 14 days after treatment.
- ✓ **Easy to use, free flowing injection.**
- ✓ **Reduce pasture contamination** - the ideal spring rotational liver fluke treatment to kill any remaining adult liver fluke from the preceding season, to reduce pasture contamination with liver fluke eggs.
- ✓ **Flukekill** - integral component of the Flukekill™ Programme.
- ✓ **Rotate drench actives** - rotate away from triclabendazole based products, reducing the risk of triclabendazole resistance developing by the liver fluke. Virbamec Plus can be easily rotated with Flukazole[®] C plus Selenium, which is recommended in the autumn.
- ✓ **Convenient packaging** - Virbamec Plus is available in 2 convenient pack sizes - a unique 2.5L backpack is designed to conveniently treat larger herds of cattle.



WHEN SHOULD I USE VIRBAMEC PLUS?

Virbamec Plus can be used at all times in both beef and dairy cattle. However it is recommended that Virbamec Plus be used in a program in conjunction with Flukazole C plus Selenium.

Virbamec Plus is ideally used in the spring time and can be repeated in the summer if additional liver fluke and parasite control is required. The aim of these treatments in regards to liver fluke is to kill liver fluke that have remained from the previous season. By killing these adult fluke, egg production is stopped and therefore pasture contamination with fluke eggs is reduced.

The Flukekill Programme recommends rotating to Flukazole C plus Selenium in the autumn to target the early migratory stages of the liver fluke. Flukazole C plus Selenium will kill the migratory liver fluke from 2 week old stages and above.

Virbamec Plus will have the greatest effect against Liver Fluke when there is a large adult population and a small or no immature population (late winter and spring).

QUICK REFERENCE GUIDE

INDICATIONS:

For the treatment and control of ivermectin and clorsulon sensitive strains of internal and external parasites of beef and dairy cattle, including adult liver fluke.

When used at the recommended dose level of 200mg ivermectin/kg and 2mg clorsulon/kg liveweight, it is effective against sensitive strains of the following internal parasites:

Gastro-intestinal roundworms :

For the control of adult and immature:

Small brown stomach worm	<i>Ostertagia ostertagi</i> (including third and fourth stage larvae and inhibited immatures)
Barber's pole worm	<i>Haemonchus placei</i>
Stomach hair worm	<i>Trichostrongylus axei</i> (including third and fourth stage larvae)
Intestinal hair worm	<i>Trichostrongylus colubriformis</i>
Stomach worm	<i>O.lyrata</i>
Small intestinal worm	<i>Cooperia</i> spp. (including third and fourth stage larvae)
Nodule worm	<i>Oesophagostomum radiatum</i> (including third and fourth stage larvae) <i>Bunostomum phlebotomum</i> (including third and fourth stage larvae)

And adult stages of:

Whipworm	<i>Trichuris</i> spp.
Intestinal worm	<i>Strongyloides papillosus</i>
Thin necked intestinal worm	<i>Nematodirus</i> spp.
Adult Liver Fluke	<i>Fasciola hepatica</i>
Lungworm	<i>Dictyocaulus viviparus</i> (adult and immature, including inhibited stages).
Eyeworm	<i>Thelazia</i> spp. (adult stages)
Cattle tick	<i>Boophilis microplus</i>
Aids in control of:	
Mites	<i>Chorioptes bovis</i>
Biting lice	<i>Bovicola (Damalinia) bovis</i>

PACK SIZE PRESENTATION:

- Liquid 500mL, 2.5L

COMPOSITION:

- 10g/L Ivermectin
- 100g/L Clorsulon

STORAGE:

Store below 30°C (Room Temperature). Store bottle in carton to protect from light.

DOSAGE & ADMINISTRATION:

The recommended dose is 1mL Virbac Virbamec Plus Endectocide & Flukicide for Cattle per 50kg liveweight (equivalent to 200mg ivermectin and 2mg clorsulon per kg liveweight) by subcutaneous injection. This product is not to be used intravenously or intramuscularly.

Liveweight (kg)	Dose Volume (mL)	500mL pack	2.5L pack
Up to 100	2	250	1250
101 - 150	3	166	833
151 - 200	4	125	625
201 - 250	5	100	500
251 - 300	6	83	416
301 - 350	7	71	357
351 - 400	8	62	312
401 - 450	9	55	277
451 - 500	10	50	250
501 - 550	11	45	227
551 - 600	12	41	208
601 - 650	13	38	192

Dose the mob according to the heaviest animal by liveweight in each group (cows, bulls, calves, heifers, etc). Do not underdose. A representative sample of cattle should be weighed before treatment either with scales or with a weighband. Cattle heavier than 650kg should be dosed at 1mL per 50kg. Where there is a large variation in size within the group, draft into two or more lines based on bodyweight, to avoid excessive overdosing.

GENERAL INSTRUCTIONS:

Caution: avoid carcass damage

1. Sterilise all injection apparatus by boiling (or equivalent) before use. Avoid use of strong disinfectants on apparatus.
2. Maintain cleanliness at all times.
3. Keep needles sharp and clean. Replace frequently.
4. Use shortest needle possible, certainly not exceeding 15 mm.
5. As far as possible avoid injection of animals during wet weather or under dusty conditions.
6. This product should be injected only under the skin.

If possible inject high on the neck behind the ear.

WITHHOLDING PERIOD:

- Meat: 28 days.
- Milk: Nil.
- ESI: 42 days.

SAFETY DIRECTIONS:

Poisonous if swallowed. Avoid contact with eyes, skin and clothing.

APVMA NUMBER:

- 56755