

ABANTEL® 260 and 520 mg (abamectin, closantel)

COMPOSITION

One bolus contains:

Content	Abantel® 260 mg	Abantel® 520 mg
Abamectin	10 mg	20 mg
Closantel sodium, equivalent to closantel	250 mg	500 mg
Excipients	Up to 2.5 g	Up to 5 g

PHARMACOLOGICAL ACTION

Abamectin is an avermectin endectocide inducing an anthelmintic (antinematodal) effect on endoparasites and antiarthropodal (insecticidal and acaricidal – against parasitizing insects and ticks) effect on ectoparasites in small ruminants.

Abamectin stimulates the release of gamma-aminobutyric acid (GABA), which suppresses the transmission of nerve impulses, as a result of which paralysis and death of nematodes, insects and ticks occur. It does not pass through the blood-brain barrier in warm-blooded animals.

Closantel sodium is a salicylanilide derivative. It can also be assigned to the group of endectocides because it exerts anthelmintic (antitrematodal and antinematodal), and antiarthropodal (insecticidal and acaricidal on parasitizing insects) effect on endo- and ectoparasites in small ruminants. The mechanism of its action on *Fasciola spp.* is based on interruption of oxidative phosphorylation with suppression of the activity of succinate dehydrogenase and fumarate reductase. It binds to plasma albumins and is excreted slowly in bile. It exerts a long-lasting protective effect on sheep (up to 30-40 days against *Ostertagia spp.* and *Haemonchus spp.*). The combination of abamectin and closantel induces a stronger and wider antiparasitic effect on Trematodes (liver fluke) – *Fasciola hepatica*, *F. gigantica* (adult forms – 97-100%; larval forms – 6- to 8-week – 91-95%; larval – 5-week – 91%); on gastrointestinal and lung Nematodes (lungworms) – blood-sucking *Haemonchus contortus*, *Ostertagia circumcincta* (including their inhibited larval stage); on their benzimidazole-resistant strains; on *Chabertia ovina*, *Strongyloides papillosus*, *Trichostrongylus axei*, *T. colubriformis* (adult forms), *Cooperia annulata*, *Oesophagostomum dentatum*, *O. columbianum*, *Nematodirus spathiger*, *N. filicollis*, *Trichuris ovis*, *Dictyocaulus filaria* (adult forms and fourth stage larvae), *Protostrongylus rufescens* (adult forms). It also reveals an antinematodal activity against *Cystocaulus ocreatus* and *Muellerius capillaris*. It induces insecticidal effect against warblers – *Oestrus ovis* (all larval stages), *Hypoderma silenus* (*Przhevalskiana silena* – in goats), against sheep ked – *Melophagus ovinus*, as well as acaricidal effect in invasions of pasture ticks and mange mites – *Psoroptes ovis*, *Ixodes ricinus*, *Rhipicephalus sanguineus*, *Dermacentor reticulatus*.

The product is well tolerated by sheep and goats, pregnant animals included. In case of overdosage depression, disturbed gait and mydriasis may occur.

INDICATIONS

For the treatment of fascioliasis; nematodiasis caused by the above mentioned parasites in small ruminants; oestrosis in sheep; *Melophagus* infestation in sheep; hypodermiasis in goats; scabies (mange) in sheep; invasions with pasture ticks.

CONTRAINDICATIONS

Not established.

MODE OF ADMINISTRATION

Orally, by means of an applicator (supplied in the package).

TARGET SPECIES

Sheep and goats.

DOSAGE

Abante!® 260 mg

Sheep and goats – one bolus per 25 kg b.w. In case of *Cystocaulus* and *Muellerius* infestation in sheep - two boli per 25 kg b.w.

Abante!® 520 mg

Sheep and goats – one bolus per 50 kg b.w. In case of *Cystocaulus* and *Muellerius* infestation in sheep - two boli per 50 kg b.w.

Administer the product in spring (before taking the animals out to graze) and in autumn.

SIDE EFFECTS

Not established.

WITHDRAWAL PERIOD

For meat – 21 days from the last administration of the preparation.

For milk – 7 days from the last administration of the preparation.

STORAGE

In the original packing, well closed, in dry and well-ventilated facilities, protected from direct sunlight.

PACKING

A box of 2 blisters with 10 boli each.

WARNING

Do not apply simultaneously with chlororganic compounds.