ABANTEL® 260 and 520 mg (abamectin, closantel)

COMPOSITION

One bolus contains:

<table>
<thead>
<tr>
<th>Content</th>
<th>Abantel® 260 mg</th>
<th>Abantel® 520 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abamectin</td>
<td>10 mg</td>
<td>20 mg</td>
</tr>
<tr>
<td>Closantel sodium, equivalent</td>
<td>250 mg</td>
<td>500 mg</td>
</tr>
<tr>
<td>to closantel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excipients</td>
<td>Up to 2.5 g</td>
<td>Up to 5 g</td>
</tr>
</tbody>
</table>

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 (antitreematodal 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 *Cystoacaulus ocreatus and Muellerius capillaris*. It induces insecticidal effect against warbles – *Oestrus ovis* (all larval stages), *Hypoderma lineatum* (Przhevalski), and against sheep ked – *Melophagus ovinus*; as well as acaricidal effect in invasions of pasture ticks and mange mites – *Psoroptes ovis, Ticks 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
Abantel® 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.

Abantel® 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.