It is important to treat all cats and dogs in the household. All cats should be treated with approved products. Concurrent use of an adulticide product may be necessary for adequate control of adult fleas.

Stage of heartworm larvae and the adult stage of hookworm (D. ceylanica) infestations when administered orally according to the drug label.

**Mode of Action**

Milbemycin oxime is a non-competitive antagonist of the muscle relaxant nicotinic acetylcholine receptor. Milbemycin oxime competitively binds to the muscarinic acetylcholine receptor (mAChR) at low concentrations. The concurrent use of the two products demonstrated that each product's effects were additive for the following reasons: when a treated animal had been eliminated in a simulated environment, the administration of SENTINEL Flavor tabs on day one and SENTINEL Adulticide tabs on day two was a greater and more rapid reduction in stabilized or unreduced fleas than SENTINEL Flavor tabs alone. Lufenuron is a nematicide that prevents and controls flea populations by breaking the life cycle. (See Efficacy). FLEA MANAGEMENT SYSTEM that kills adult fleas and prevents flea eggs from hatching. Please see the labeling for SENTINEL Flavor Tabs and CAPSTAR Tablets for information about the effectiveness of these products. In addition, concurrent use of the two products demonstrated that each product's effects were additive for the following reasons: when a treated animal had been eliminated in a simulated environment, the administration of SENTINEL Flavor tabs on day one and SENTINEL Adulticide tabs on day two was a greater and more rapid reduction in stabilized or unreduced fleas than SENTINEL Flavor tabs alone. Lufenuron is a nematicide that prevents and controls flea populations by breaking the life cycle. (See Efficacy).

**Flea Management System**

The palatable once-a-month prescription tablet that prevents heartworm disease and flea populations in dogs and puppies. SENTINEL® (milbemycin oxime/lufenuron) Tablets is recommended for the prevention and control of heartworm disease in dogs, adult helminth worms, and control adult and larval heartworm and intestinal parasites in dogs and puppies.

**Caution**

Federal (USA) law restricts this drug to use by or on the order of a licensed veterinarian.

**Warning**

Not for human use. Keep this and all drugs out of the reach of children.

**Indications**

SENTINEL® Tablets are available in four tablet sizes in color-coded packages for oral administration to dogs and puppies according to their weight. (See Dosage Section). Each tablet is formulated to provide a minimum of 25 mg (0.5 mg/kg) of milbemycin oxime and 450 mg (10 mg/kg) bodyweight-weighted lufenuron.

**EFFICACY: Lufenuron Oxime**

The concurrent use of the two products demonstrated that each product's effects were additive for the following reasons: when a treated animal had been eliminated in a simulated environment, the administration of SENTINEL Flavor tabs on day one and SENTINEL Adulticide tabs on day two was a greater and more rapid reduction in stabilized or unreduced fleas than SENTINEL Flavor tabs alone. Lufenuron is a nematicide that prevents and controls flea populations by breaking the life cycle. (See Efficacy).

**Recommended Dosage Schedule**

<table>
<thead>
<tr>
<th>Body Weight</th>
<th>Dog</th>
<th>CAPSTAR Dosage (Nitenpyram per tablet)</th>
<th>SENTINEL Flavor Tabs per month (Lufenuron per tablet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 to 10 lbs</td>
<td>1 tablet</td>
<td>4 mg</td>
<td>7 mg</td>
</tr>
<tr>
<td>11 to 20 lbs</td>
<td>1 tablet</td>
<td>11 mg</td>
<td>14 mg</td>
</tr>
<tr>
<td>21 to 30 lbs</td>
<td>2 tablets</td>
<td>22 mg</td>
<td>28 mg</td>
</tr>
<tr>
<td>31 to 50 lbs</td>
<td>3 tablets</td>
<td>33 mg</td>
<td>41 mg</td>
</tr>
<tr>
<td>51 to 100 lbs</td>
<td>5 tablets</td>
<td>55 mg</td>
<td>69 mg</td>
</tr>
<tr>
<td>&gt;100 lbs</td>
<td>6 tablets</td>
<td>66 mg</td>
<td>82 mg</td>
</tr>
</tbody>
</table>

**SAFETY: Lufenuron Oxime**

These adverse reactions have been reported in dogs given milbemycin oxime in combination with lufenuron tablets. MILBEMYCN oxime and LUFENURON tablets are palatable once-a-month prescription tablets that prevent heartworm disease and flea populations in dogs and puppies. SENTINEL® (milbemycin oxime/lufenuron) Tablets contains active ingredients that can be toxic to humans and animals. In well-controlled clinical trials, use of SENTINEL Flavor Tabs in dogs and puppies under 2 pounds was generally well-tolerated.

**Pharmacokinetics**

Several studies have been conducted to evaluate the safety of orally administered SENTINEL Flavor Tabs and CAPSTAR Tablets. These studies included assessment of possible adverse effects of the concurrent use of these two products. There was a higher incidence of four clinical signs in the group given the highest dose rate of SENTINEL Flavor Tabs (20X the recommended dose rate) had no marked effect on adult dogs, but caused decreased activity and transient and puppies returned to normal within 24 to 48 hours. No effects were observed in puppies given less than 2.2 pounds in body weight. Studies have been conducted to evaluate the safety of orally administered SENTINEL Flavor Tabs and CAPSTAR Tablets. These studies included assessment of possible adverse effects of the concurrent use of these two products. There was a higher incidence of four clinical signs in the group given the highest dose rate of SENTINEL Flavor Tabs (20X the recommended dose rate) had no marked effect on adult dogs, but caused decreased activity and transient and puppies returned to normal within 24 to 48 hours. No effects were observed in puppies given less than 2.2 pounds in body weight. Studies have been conducted to evaluate the safety of orally administered SENTINEL Flavor Tabs and CAPSTAR Tablets. These studies included assessment of possible adverse effects of the concurrent use of these two products. There was a higher incidence of four clinical signs in the group given the highest dose rate of SENTINEL Flavor Tabs (20X the recommended dose rate) had no marked effect on adult dogs, but caused decreased activity and transient and puppies returned to normal within 24 to 48 hours. No effects were observed in puppies given less than 2.2 pounds in body weight.