A Broader Spectrum of Activity

Noromectin® Plus Injection is an ivermectin/clorsulon-based parasiticide for the effective treatment of a wide range of internal and external parasites of beef and non-lactating dairy cattle. Noromectin® Plus offers all the benefits of ivermectin plus control of adult liver flukes.

**Internal Parasites**

<table>
<thead>
<tr>
<th>Adults</th>
<th>L₄</th>
<th>Inhibited Stage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gastrointestinal Roundworms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ostertagia ostertagi</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>O. lyrata</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Haemonchus placei</td>
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<td>•</td>
</tr>
<tr>
<td>Trichostrongylus axei</td>
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<td>•</td>
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<tr>
<td>T. colubriformis</td>
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<td>•</td>
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<tr>
<td>Cooperia oncophora</td>
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<td>•</td>
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<tr>
<td>C. punctata</td>
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<td>•</td>
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<tr>
<td>C. pectinata</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Bunostomum phlebotomum</td>
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<td>•</td>
</tr>
<tr>
<td>Nematodirus helvetianus</td>
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<td>•</td>
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<tr>
<td>N. spathiger</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Oesophagostomum radiatum</td>
<td>•</td>
<td>•</td>
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<tr>
<td>Lungworms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dictyocaulus viviparus</td>
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<td>•</td>
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<tr>
<td>Liver Flukes</td>
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<tr>
<td>Fasciola hepatica</td>
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</tr>
</tbody>
</table>

**External Parasites**

- Cattle Grubs (parasitic stages)
- Hypoderma bovis
- H. lineatum
- Sucking Lice
- Linognathus vituli
- Haematopinus eurysternus
- Solenopotes capillatus
- Mange Mites (cattle scab)
- Psoroptes ovis (syn. P. communis var. bovis)
- Sarcopes scabiei var. bovis

**Noromectin Plus Injection Offers Your Customers:**

- All the benefits of an ivermectin injection, plus control of adult liver flukes with a single injection
- Parasite control including liver flukes, gastrointestinal roundworms, lungworms, grubs, sucking lice and mange mites
- Reliable, long-lasting control, which improves performance
- Proven, effective infection control as well as protection from reinfection from certain worm species (see product label)
- No effect on breeding performance when used at the recommended dosage
- Packaging enclosed in display carton for protection from dust and sunlight
- Four convenient, ready-to-use pack sizes of 50 mL, 250 mL, 500 mL* and 1000 mL* *Plastic Hanger Bottles
- Uncompromising quality control from Norbrook Laboratories – a worldwide leader in animal health
- A competitively priced solution

**Recommend Strategic Parasite Control for Herd Protection and Profitability**

The economics of Noromectin® Plus Injection allow cow/calf and stocker operations to treat multiple times per year for improved herd health.

**Observe label directions and withdrawal times. Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism. Do not use in female dairy cattle of breeding age or in calves to be processed for veal. Do not use in unapproved species as severe reactions, including fatalities in dogs, may result. See product labeling for full product information.**
Noromectin Plus Injection has been developed specifically for use in cattle. It offers all the benefits of an ivermectin injection plus control of adult flukes, roundworms, and bots. It is indicated for the treatment and control of the parasites listed below.

**Gastrointestinal Roundworms**
- Oesophagostomum radiatum
- O. lyrata
- Haemonchus placei
- Trichostrongylus axei
- Ostertagia ostertagi (including inhibited adults and fourth-stage larvae)

**Cutaneous Parasites**
- Psoroptes ovis (250 kg) cattle.
- Psoroptes ovis (250 kg) cattle.
- Psoroptes ovis

**Lungworms**
- Dictyocaulus viviparus

Noromectin Plus should be given only by subcutaneous injection at a dose volume of 1 mL per 110 lb (50 kg) body weight. This volume will deliver 10 mg ivermectin and 100 mg clorsulon. For example:

<table>
<thead>
<tr>
<th>Head</th>
<th>mL</th>
<th>mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>10</td>
<td>1.00</td>
</tr>
<tr>
<td>20</td>
<td>20</td>
<td>2.00</td>
</tr>
</tbody>
</table>

**HOW SUPPLIED**
- Each bottle contains sufficient solution to treat 20 head of 550 lb (250 kg) cattle.
- Each bottle contains sufficient solution to treat 10 head of 550 lb (250 kg) cattle.
- Each bottle contains sufficient solution to treat 5 head of 550 lb (250 kg) cattle.

**STORAGE**
- Protect product from light. Store at 59° to 86°F (15° to 30°C).

**WARNING**
- Do not use in calves to be processed for veal.

**RESIDUE WARNINGS**
- Do not treat cattle within 21 days of slaughter.
- Because a withdrawal time in milk has not been established for this product in pre-ruminating calves, it is not recommended for use in breeding age calves. A withdrawal period has not been established for this product in pre-ruminating calves.

**ADDITIONAL SAFETY INFORMATION**
- Use sterile equipment and sanitize the injection site by applying a sterile antiseptic. The injection site should be rotated to avoid injection site reactions.
- Read the label carefully.
- Do not use in dairy cattle within 14 days of the expected date of calving.
- Do not use in breeding age calves. A withdrawal period has not been established for this product in pre-ruminating calves.

**OCCUPATIONAL SAFETY INFORMATION**
- To report adverse effects, obtain an MSDS or for assistance, contact Norbrook toll free 1-866-591-5777.
- The Material Safety Data Sheet (MSDS) contains more detailed occupational safety information.

**ENVIRONMENTAL SAFETY**
- Use a 16-gauge, 1/2" to 3/4" sterile needle is recommended. Inject the solution through the subcutaneous tissues behind the shoulder near the withers. Free ivermectin may adversely affect fish and certain aquatic animals. Studies indicate that when ivermectin comes in contact with soil it may be difficult. Users can make dosing easier by warming both the product and injection equipment to about 59°F (15°C).

**STORAGE**
- Protect product from light. Store at 59° to 86°F (15° to 30°C).

**HARMFUL IF SWALLOWED**
- Do not eat, drink, or smoke in the area of application. Wash hands after handling.

**HARMFUL IF IN EYES**
- Flush eyes with large amounts of water for 15 minutes. If irritation persists, consult a physician.

**HARMFUL IF INHALED**
- Remove to fresh air. If breathing has stopped, give artificial respiration. Consult a physician.

**HARMFUL IF IN CONTACT WITH SKIN**
- Wash thoroughly with soap and water. If irritation persists, consult a physician.

**HARMFUL IF ABSORBED THROUGH SKIN**
- Do not handle. Avoid contact with skin or clothing.

**FIRST AID**
- Wash from skin with soap and water. If irritation persists, consult a physician.

**PRECAUTIONS**
- Do not use in veal calves. A withdrawal period has not been established for this product in pre-ruminating calves.

**HYGIENE**
- Wash hands after handling.