

DOT- WORM

Veterinary Herbal-Mineral Dewormer Bolus Pack

Description

This veterinary bolus is a **Herbo-mineral deworming formulation** designed for use in cattle. It combines traditional botanical extracts with supportive mineral salts to assist in the control of gastrointestinal parasitic infections.

The product incorporates known anthelmintic herbs such as *Mallotus philippinensis*, *Embelia ribes*, *Azadirachta indica* (neem), and *Cassia angustifolia*, which are traditionally recognized for their antiparasitic actions. These are supported by compounds like *Butea parviflora* and *Acacia arabica*, contributing anti-inflammatory and gut-stabilizing benefits.

Minerals such as copper sulphate and ferrous sulphate support hemopoietic and metabolic recovery following parasitic infestations. Sodium bicarbonate aids in pH buffering and digestive balance.

Formulated as a single-dose bolus, the product is intended for use under veterinary guidance in deworming programs.

Specification

- **Dosage Form:** Compressed bolus (solid oral unit)
- **Appearance:** Oblong, coated bolus, natural brown or herbal-coloured
- **Odor:** Distinct herbal aroma
- **Texture:** Firm, smooth surface for ease of swallowing
- **Disintegration time:** ≤ 30 minutes (in simulated gastric fluid)
- **Active botanical ingredients per bolus:**
 - *Mallotus philippinensis* – 3000 mg
 - *Embelia ribes* – 1000 mg
 - *Butea parviflora* – 750 mg
 - *Acacia arabica* – 350 g
 - *Azadirachta indica* – 350 mg
 - *Cassia angustifolia* – 350 mg
 - *Mesua ferrea* – 50 mg
- **Supportive agents:**
 - Sodium bicarbonate – 500 mg
 - Copper sulphate – 300 mg
 - Ferrous sulphate – 200 mg
- **Excipients:** Pharmaceutical-grade binders, disintegrants, lubricants (e.g., starch, MCC)
- **Storage stability:** Stable for 24 months under recommended storage conditions

Composition (Actives & Excipients)

A synergistic blend of botanical extracts, mineral salts, and base excipients designed to promote deworming and post-parasitic recovery.

Product Form

Single compressed bolus for oral administration in cattle

Indications

- As an adjunct in the control of helminthic infestations in cattle
- Supports digestive detoxification post-deworming
- Improves general condition, appetite, and productivity in affected animals

Dosage & Usage Instructions

- **Route:** Oral
- **Dosage:** One bolus per adult cattle, orally administered
- Repeat as per veterinary direction, typically every 30–60 days based on farm parasitic load and grazing risk

Advantages

- Combines traditional herbal dewormers with mineral support
- Single-dose format for ease of administration
- Reduces parasite load and supports post-deworming recovery
- Gentle on digestive tract with pH-buffering effect
- No synthetic anthelmintics or chemicals

Adverse Effects / Overdose

- Mild, transient digestive discomfort (rare)
- Overdose may cause mild electrolyte imbalance or irritation
- Always use under veterinary supervision
- Not to be used simultaneously with chemical anthelmintics unless advised

Precautions

- Keep out of reach of children
- Do not administer to sick, dehydrated, or weak animals without professional supervision
- Avoid repeated overdosing
- Confirm parasitic infection before use if possible
- Not for animals with known sensitivity to any listed herbs or minerals

Withdrawal Period

Minimum **72 hours** (3 days) before milk or meat intended for human consumption — or as per local regulatory guidelines

Storage & Handling

- Store below 30°C in a dry place
- Protect from moisture, direct sunlight, and extreme temperature changes
- Do not use if bolus is cracked, broken, or discoloured

HS / HSN Code

HS Code: 3004.90

HSN Code : 3004.90.85

Special Instructions

- Always follow prescribed dosage
- Use with appropriate restraining method for safe bolus administration
- Do not split or crush the bolus
- Administer whole with clean hands or using a standard bolus applicator
- Ensure clean water is available post-treatment

Human and Veterinary Use Note

This product is formulated strictly for **veterinary use in cattle**. Not to be used in humans. The herbs and mineral sources used conform to veterinary feed supplement standards and are not approved for pharmaceutical human applications.

? Frequently Asked Questions (FAQs)

Q1: Can this bolus be given to calves or small ruminants?

A1: No, the dose and size are intended for adult cattle. Separate paediatric or small animal formulations should be used.

Q2: Can I use this during pregnancy or lactation?

A2: Use only under veterinary guidance during pregnancy or lactation, as some herbal actives may have mild uterotonic effects.

Q3: Does this replace regular dewormers?

A3: It can be part of an integrated parasite management program but does not replace strategic chemical deworming where parasite resistance is present.

Q4: Is there a risk of herb-drug interaction if used with other medicines?

A4: Mild interactions are possible with other active medications; use with caution and veterinary advice if the animal is on concurrent therapy.

Q5: Can this bolus be used during the monsoon or rainy grazing season?

A5: Yes, it is especially useful during periods of high parasite exposure such as monsoon months, when gastrointestinal worm burden increases.

