

# DELTADOT

## Deltamethrin 12.5 mg Veterinary External Insecticide

### Description

**Deltamethrin** is a **synthetic pyrethroid insecticide** known for its high potency and fast-acting effect against external parasites in animals. This topical veterinary formulation contains **12.5 mg of deltamethrin** per unit and is used as a **pour-on or spray insecticide** for the effective control of ticks, lice, mites, fleas, and flies on livestock.

It provides **long-lasting residual protection** and is safe when used as directed, with minimal systemic absorption. The product is intended **strictly for external use** under veterinary supervision.

### Composition

- **Deltamethrin** – 12.5 mg
- **Inert solvents, emulsifiers, stabilizers** – q.s. to 15 mL / 50 mL (as per pack size)

### Category

- Veterinary External Insecticide (Ectoparasiticide)
- Synthetic Pyrethroid Class

### Specification

- **Form:** Topical liquid insecticide
- **Appearance:** Clear to pale yellow liquid
- **Odour:** Mild chemical odour
- **Packaging:** 15 mL and 50 mL plastic bottles with leak-proof caps
- **Application Method:** Pour-on or diluted spray
- **Stability:** Stable under normal storage conditions

## Indications

Used in the treatment and control of:

- Ticks (including Rhipicephalus, Boophilus species)
- Lice (biting and sucking)
- Mange mites
- Flies and fleas
- External ectoparasitic infestations in cattle, buffaloes, sheep, goats, and other livestock

## Dosage and Route of Administration

- **Route:** External topical use only
- **Application Methods:**
  - **Pour-on:** Apply directly along the animal's backline from the neck to the tail base
  - **Spray:** Dilute as per veterinary guidance and apply thoroughly to the animal's body
- **Dosage:** Follow veterinarian's instructions based on animal species and infestation severity

## Usage and Advantages

- Broad-spectrum ectoparasiticidal activity
- Quick knockdown and residual effect
- Easy to use and well tolerated by animals
- Suitable for mass treatment of herds
- Reduces economic losses from parasitic burden

## Adverse Effects

- Mild, transient skin irritation in rare cases
- Hypersensitivity in highly sensitive animals
- Toxic to fish and aquatic life – avoid water contamination

## **Precautions and Warnings**

- For **veterinary external use only**
- Do not administer orally or via injection
- Avoid contact with animal's eyes, nose, and mucous membranes
- Wear gloves and protective clothing while applying
- Keep out of reach of children and untrained handlers
- Do not apply to sick or stressed animals without vet advice

## **Withdrawal Period**

- **Meat:** 7–10 days
- **Milk:** 3 days

## **Storage**

- Store in a cool, dry, and dark place below 30°C
- Keep away from direct sunlight, heat sources, and open flames
- Do not freeze

## **Handling and Disposal**

- Use appropriate PPE while handling
- Wash hands after use
- Do not reuse empty containers
- Dispose of used containers safely according to local hazardous waste regulations

## **HS Code and HSN Code**

- **HS Code:** 3808.91 (Insecticides, based on pyrethroids)
- **HSN Code:** 380891 (Synthetic pyrethroid-based insecticides)

## **Details of Human and Veterinary Application**

- **Veterinary Use:** Approved for external parasite control in livestock (cattle, sheep, goats, buffaloes, etc.)
- **Human Use:** Not for human application or medicinal use

## **? Frequently Asked Questions (FAQs)**

### **Q1: Can I use this product on all types of animals?**

**A:** It is suitable for cattle, buffaloes, sheep, goats, and similar livestock. Always consult a veterinarian before use.

### **Q2: Is Deltamethrin safe for milking animals?**

**A:** Yes, but observe the milk withdrawal period of 3 days after application.

### **Q3: What is the benefit of “12.5 mg” strength?**

**A:** This strength is optimized for effective control of ectoparasites with minimal toxicity when applied properly.

### **Q4: Can I mix this with other insecticides or drugs?**

**A:** No, do not mix unless advised by a qualified veterinarian.

### **Q5: Is it harmful if accidentally touched?**

**A:** It may cause mild skin or eye irritation. Wash with soap and water and seek medical attention if irritation persists.

