

# DOT-TIC

## Amitraz B.P. (Vet) 125 mg Solution Veterinary External Insecticide (Aluminium Pack)

### Description

**Amitraz** is a **formamidine-class acaricide and ectoparasiticide** used externally in veterinary medicine. This 50 mL formulation contains **125 mg of Amitraz**, indicated for effective control of **ticks, mites, lice, and other ectoparasites** in livestock.

It acts primarily by disrupting the nervous system of parasites and also possesses mild insect repellent and anti-feeding properties. This product is formulated with **solvents and emulsifiers** for ease of dilution and dermal absorption. Packaged in **aluminium containers** to preserve stability and potency.

### Composition

- **Amitraz B.P. (Vet)** – 125 mg
- **Solvent & Emulsifier** – q.s. to 50 mL

### Category

- Veterinary External Insecticide
- Acaricide / Ectoparasiticide
- Formamidine Class

### Specification

- Form: Liquid solution
- Colour: Clear to pale amber
- Odour: Characteristic mild chemical smell
- Packaging: 50 mL aluminium container (corrosion-resistant, light-protective)
- Emulsifies easily in water for topical application

## **Indications**

Used for the control and treatment of:

- Ticks (Boophilus, Rhipicephalus, Hyalomma spp.)
- Mange mites (Demodex, Sarcoptes)
- Lice (biting and sucking)
- Fleas and fly infestations

Recommended for:

- **Cattle**
- **Sheep**
- **Goats**
- **Buffaloes**
- **Dogs** (*under veterinary supervision*)

## **Dosage and Route of Administration**

- **Route:** External use only (Topical/Spray/Dip)
- **Dilution:** Typically diluted at 1:500 or as directed by a veterinarian
- **Application Methods:**
  - **Spray:** Diluted solution sprayed uniformly over the animal's body
  - **Dip:** Animal immersed or sponge-applied with diluted solution
- Do not rinse or wipe off after application
- Reapply every 7–14 days based on infestation severity and veterinary advice

## **Usage and Advantages**

- Broad-spectrum parasitic control
- Effective against resistant tick populations
- Long residual action
- Safe when used as directed
- Minimizes parasite-related stress and economic losses
- Aluminium packaging maintains product integrity

## **Adverse Effects**

- May cause transient drowsiness or sedation in animals after application
- Skin irritation in hypersensitive animals
- Toxic if ingested—accidental oral intake must be avoided
- Should not be used on sick, stressed, or very young animals without veterinary supervision

## **Precautions and Warnings**

- For **external veterinary use only**
- Wear gloves and protective clothing during preparation and application
- Avoid contact with animal's eyes, mouth, and wounds
- Do not use with other CNS-depressing drugs (e.g., sedatives)
- Do not allow animals access to treated areas before drying
- Highly toxic to fish and bees — avoid contamination of water bodies

## **Withdrawal Period**

- **Meat:** 14–21 days
- **Milk:** 3 days

## **Storage**

- Store in a cool, dry place below 30°C
- Protect from light, heat, and moisture
- Keep tightly closed in original **aluminium container**

## **Handling and Disposal**

- Use PPE during handling
- Wash hands thoroughly after application
- Dispose of empty aluminium containers as hazardous veterinary waste
- Do not reuse packaging for any other purpose

## HS Code and HSN Code

- **HS Code:** 3808.91 (Insecticides based on synthetic chemicals)
- **HSN Code:** 380891 (Formamidine-type insecticides)

## Details of Human and Veterinary Application

- **Veterinary:** Approved for use on livestock and under prescription for canines
- **Human:** Strictly not for human use or application

## Frequently Asked Questions (FAQs)

**Q1: What is Amitraz used for in veterinary medicine?**

**A:** Amitraz is used to treat ectoparasitic infestations like ticks, mites, lice, and flies in animals.

**Q2: Can Amitraz be used directly without dilution?**

**A:** No. Always dilute according to veterinary prescription before use.

**Q3: Can Amitraz be used on pets like dogs?**

**A:** Yes, but **only under veterinary supervision**, as overdose can cause CNS depression.

**Q4: What happens if an animal licks the area?**

**A:** It can be toxic if ingested. Monitor animals and restrict licking or oral contact.

**Q5: Why is this product packed in aluminium?**

**A:** Aluminium protects from light, moisture, and chemical interaction — preserving efficacy.