

# FATDOT

## Advanced Metabolic Nutritional Supplement for Veterinary Use

### Description:

This veterinary nutritional supplement is designed to support optimal metabolism, rumen function, and reproductive health in cattle. Formulated with essential minerals, rumen-protected nutrients, live yeast cultures, and powerful Ayurvedic herbs like *Jivanti* and *Shatavari*, it enhances nutrient absorption, energy levels, and hormonal balance. Added *Chelated Chromium* aids in stress management and glucose metabolism, while *Calcium Propionate* acts as a preservative and calcium source, promoting skeletal and muscular health.

This is an ideal supplement for high-yielding dairy cattle, especially during peak lactation, metabolic stress, and transition periods.

### Specification:

- Appearance: Free-flowing powder or granules
- Aroma: Mild, characteristic herbal and yeast scent
- Solubility: Dispersible in water or feed
- pH (1% solution): 6.0 – 7.5
- Shelf Life: 24 months from manufacturing date when stored in cool, dry conditions
- Microbial Load: Within permissible veterinary feed safety limits

### Category:

Cattle

### Pack Sizes:

1 kg box, 5 kg bucket, 10 kg bucket, 20 kg bucket

### Composition (per kg):

- Calcium Propionate: 2 grams (gm)
- Fermented Live Yeast Culture (*Saccharomyces cerevisiae*): 5 gm
- Rumen Bypass Fat: 15 gm
- Rumen Bypass Protein: 1 gm

- Available Calcium: 1.5 gm
- *Jivanti* (Leptadenia reticulata): 1500 milligrams (mg)
- *Shatavari* (Asparagus racemosus): 1500 mg
- Chromium Chelated with Amino Acid: 40 mg

### **Excipients:**

Natural carriers, stabilizers, anti-caking agents, and permitted flavouring agents to enhance palatability and nutrient bioavailability.

### **Indication:**

Recommended for cattle to:

- Improve metabolic efficiency and energy balance
- Support rumen microbial activity and digestion
- Enhance reproductive performance and hormonal regulation
- Reduce metabolic stress during peak lactation and calving
- Improve milk yield and quality
- Strengthen immune response

### **Dosage & Route of Administration:**

- Route: Oral, through mixing in feed or water
- Dosage:
  - Adult Cattle: 30–50 gm per animal per day
  - During transition/stress periods: Up to 75 gm per animal per day (as advised by a veterinarian)
- Duration: Use daily or as part of a nutritional plan during critical stages like lactation, heat, or recovery

### **Precautions:**

- Use only as directed by a qualified veterinarian or nutritionist
- Not for medicinal use
- Avoid moisture contamination; reseal after each use

### **Adverse Effects:**

No known adverse effects at recommended dosage. Overuse may lead to digestive upset or mineral imbalance. Discontinue use if any unusual symptoms are observed.

### **Withdrawal Period:**

**Nil** – This product does not contain any drugs or antibiotics and is safe for continuous use.

### **Storage & Handling:**

- Store in a cool, dry place below 30°C
- Keep container sealed and away from direct sunlight
- Use a clean, dry scoop to handle product

### **Schedule:**

Not classified under any scheduled veterinary drug regulation

### **HS Code & HSN Code:**

- **HS Code:** 2309.90 (Preparations of a kind used in animal nutrition)
- **HSN Code:** 2309 (Animal feed supplements, premixes, nutritional preparations)

### **Advantages:**

- Provides essential macro- and micronutrients in bioavailable form
- Enhances digestion and nutrient absorption
- Boosts reproductive health and fertility
- Herbal support for hormonal balance and milk enhancement
- Improves productivity, especially in high-yielding dairy cattle
- Helps mitigate metabolic disorders like ketosis and fatty liver

### **Special Instructions:**

- Ensure constant access to clean drinking water
- Can be continued long-term as part of nutritional management
- Monitor animal performance and adjust dosage if required
- Safe for use in pregnant and lactating cows under vet guidance

## **Human and Veterinary Application Details:**

- **Veterinary Use Only**
- Not intended for human consumption
- Avoid inhalation of powder; wear a mask if handling large quantities
- In case of accidental human contact, rinse with water

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

### **Q1: What is Rumen Bypass Fat?**

**A:** *Rumen Bypass Fat* is a protected fat that bypasses rumen fermentation and gets digested directly in the intestine, providing high energy without affecting rumen microbes.

### **Q2: How does Live Yeast Culture benefit cattle?**

**A:** *Fermented Live Yeast Culture* (*Saccharomyces cerevisiae*) enhances rumen fermentation, improves digestion, and boosts milk production.

### **Q3: Why is Chelated Chromium included?**

**A:** *Chelated Chromium* (Chromium bonded with amino acids) helps regulate insulin activity and improves stress tolerance, particularly during heat stress or calving.

### **Q4: Can this be used during pregnancy?**

**A:** Yes, but under veterinary guidance to ensure balance with other nutritional inputs.

### **Q5: Is it safe to mix with other mineral supplements?**

**A:** Generally yes, but it's best to avoid overlap or excess dosing. Always consult a vet for combining supplements.

