



FeedGuard — Mycotoxin Adsorbent Based on High-Purity Diatomite for Cattle Feed

A mycotoxin adsorbent for cattle based on high-purity diatomite — $\approx 90\% \text{SiO}_2$.
Reliable herd protection, transparent economics, and uninterrupted supply.

INNUTRA

FEED SOLUTIONS



Product Context & Strategic Objectives

Developing effective feed solutions requires continuous quality control and risk mitigation at every stage — from raw material sourcing to the end consumer.

Raw Material Sourcing

Premix Production

Farm Clients

Primary Production Risk

Mycotoxins: **AFB1, DON, ZEA, T-2**. Their presence in feed leads to reduced milk yields and weight gains, reproductive disorders in cattle, and significant economic losses.

Key Partner KPIs

- Consistent and guaranteed adsorption efficacy
- Low cost per ton of feed (cost-effective application rate)
- Uninterrupted supply and full documentation package

Diatomite Sorbent

We offer a highly effective, cost-efficient, and technically pure solution for protecting cattle from mycotoxicosis, based on natural amorphous silicon dioxide.

High Purity

The primary active substance is **amorphous silicon dioxide (≈90% SiO₂)**, providing maximum surface area for absorption and high sorption capacity against mycotoxins.

Low Inclusion Rate

Standard dosage: **1.0–1.5 kg/t** of feed.
Dosage may be increased as needed based on regular analysis of raw materials and finished feed.

Transparent Economics

Effectiveness is evaluated in **rubles per tonne of feed**, making the benefit measurable and easy to understand for farm specialists and managers alike.

Product Technical Specifications

Our adsorbent is a high-performance product with guaranteed compatibility with all feed mixture components and a complete set of regulatory documentation.



Composition & Appearance

Amorphous silicon dioxide ($\approx 90\% \text{SiO}_2$). Free-flowing light-colored powder, non-clumping, easily blended into feed.

Compatibility

Fully compatible with premixes, mineral supplements, and organic acids. **Contains no antibiotics or coccidiostats.**

Packaging

Standard polypropylene bags of **25 kg**. Big bags (~1000 kg) available upon request.

Documentation

Full package: Quality/Safety Data Sheet, Product Specification, **EAEU Declaration of Conformity.**

Application Guidelines & Monitoring

To achieve maximum efficacy, it is critical to follow recommended dosage rates and ensure uniform incorporation of the absorbent into the feed blend at every feeding cycle.

1

Preventive Dose

1.0–1.5 kg per tonne of finished feed. Provides consistent protection of livestock under standard mycotoxin risk conditions.

2

Elevated Risk Conditions

Dosage may be increased to **2.0 kg/t** upon recommendation of a zootechnician or INNUTRA specialist, based on analytical data.

3

Application Method

Incorporate via **premix or feed mixer**. Ensure uniform distribution throughout the entire feed batch for optimal results.

4

Control & Monitoring

Periodic testing for **DON, ZEA, AFB1** in raw materials and finished feed is recommended, as well as milk testing where applicable.



Partnership Model & Cooperation Options

Our flexible pricing policy is designed to reward long-term strategic partnerships. The greater the volume, the more favorable the terms of cooperation with INNUTRA.

Partnership Level	Volume	Price	Status
Dealer	≥ 5 t	240 ₺/kg	Entry Level
Wholesale	≥ 20 t	190–210 ₺/kg	Priority Partner
Strategic Contract	≥ 100 t	160–180 ₺/kg	Strategic Partner
Strategic Contract	≥ 200 t	150–160 ₺/kg	Exclusive Partner

Special Options

White-label / Co-brand Product packaging and labeling under your brand or in a co-branded format — strengthens your portfolio positioning in the market.	Supply SLA Dedicated warehouse stock reservation to guarantee fulfillment of your quarterly shipment schedule without delays.	Market Support Ready-to-use sales materials featuring cost-per-tonne calculations to enhance the effectiveness of your sales team with end clients.
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Logistics, Packaging & Shipment Readiness

We ensure fast order processing, standardized palletization conditions, and flexible logistics solutions for any delivery basis.



Shipment Lead Time

Orders are dispatched within **3-5 business days** following payment confirmation or agreement on an individual delivery schedule.



Palletization Terms

1 metric ton = 40 bags of 25 kg each. Pallets include stretch wrap and slip sheets. Palletization costs are included in the product price.



Freight Calculation

A detailed logistics quote (**FCA / CPT / EXW**) and an individual delivery schedule are available upon request to help optimize your procurement budget.

Quality, Service & Pilot Projects

We guarantee the quality of every batch and are ready to provide full technical support during the implementation phase — from trial samples to the development of performance case studies.

Quality Guarantee

Every shipment is accompanied by a **Certificate of Quality** specifying the key physicochemical parameters in accordance with the declared specifications.

Product Testing

We provide **samples of up to 25 kg** for pre-industrial trials and product validation under your actual production conditions.

Technical Consultation

Prompt advisory support on selecting optimal dosages based on analysis of your raw materials and finished feed from INNUTRA's team of technologists.

Case Study Template

We develop a structured evaluation template: **Situation** (mycotoxin levels) → **Application** (dosage, duration) → **Results** within 30–45 days (milk yield, weight gain, economics).



Next Steps Toward a Strategic Partnership

Launching the supply process and placing your first order requires just three simple steps. We are ready to guide you through each one.

1

Step 1: Confirm Volume & Delivery Terms

Confirm your planned purchase volume and preferred delivery basis: **EXW, FCA, or CPT**. This allows us to prepare a precise commercial offer tailored to your needs.

2

Step 2: Customized Economic Calculation

We will provide a final cost-efficiency calculation in **RUB/MT**, factoring in your logistics, individual inclusion rate, and contract volume.

3

Step 3: Order Confirmation & Dispatch

Receive and confirm the Specification and Invoice. We immediately prepare the product for shipment within **3–5 business days**.

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