



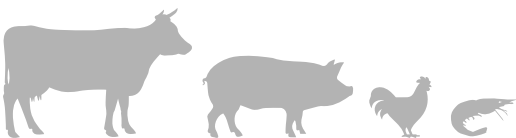
maximum efficiency against mycotoxins

toxidex® acts against mycotoxins through a triple mechanism of **retention, attraction** and **destruction**.

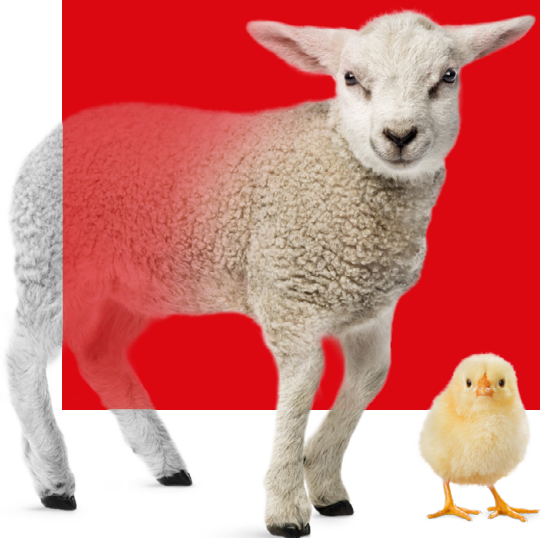
Toxidex retains mycotoxins physically and chemically due to a special combination of selected aluminosilicates. The natural polar attraction of silicates is increased by the presence of surfactant.

Aluminosilicates are chemically activated with agents that have a mycotoxin inactivating and destroying effect.

The combination of the three mechanisms renders **toxidex®** a unique product with a high efficacy against a broad spectrum of mycotoxins.



toxidex® is indicated for all species or categories of animal



Composition

Mixture of selected aluminosilicates activated with surfactants and mycotoxin destroying agents.

Indications

Prevention and control of contamination of feed due to mycotoxins.

Benefits

- Prevents problems caused by a broad spectrum of mycotoxins.
- Does not sequester vitamins or other nutrients.
- Harmless for animals and people.

Packaging

- Powder in 25 kg bags.
- 1000 kg big bag.

Dosage

1 000 to 2 000 g/MT of feed, depending on the level of mycotoxin contamination.



Hygiene



Health



Production

mycotoxins, the danger of a silent enemy

Mycotoxins are toxic, carcinogenic substances produced by fungi commonly found in grain and feed*. After being ingested, these toxins are absorbed in the gastrointestinal tract and can cause a variety of clinical and sub-clinical diseases, thereby significantly reducing animal productivity.

* According to the FAO, more than 25% of grains are contaminated by mycotoxins.

Effects of mycotoxins on animals

Growth rate	• Decrease in intake • Decrease in weight gain • Increase in diarrhoea • Increase in mortality
Immunity	• Decrease in the efficacy of vaccinations and antibiotic treatments • Decrease in the number of lymphocytes • Immunosuppression
Metabolism	• Liver disorders • Anaemia and enteritis • Nerve disorders • Changes in the relative weight of organs
Reproduction	• Decrease in milk production • Reproductive problems • Ovarian hypertrophy • Increase in abortions



Corn contaminated by fungi

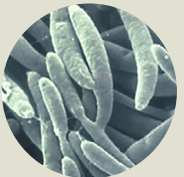
Producing fungi and mycotoxins produced



Aspergillus



Penicillium



Fusarium

Aflatoxin	Citrinin	Vomitoxin (DON)
Ochratoxin	Penitrem	T-2 toxin
Verruculogen		Zearalenone
		Fumonisin

Detecting any of these mycotoxins in feed may be an indicator of the presence of other unknown mycotoxins.

