



APLICACIONES ESPECIALES DEL VALLES, S.L.

Catalogue

**INNOTOX FNE
&
INNOTOX SPECIAL**





APLICACIONES ESPECIALES DEL VALLES, S.L.

ABSORBENTS OF MYCOTOXINS

Throughout the time the scientific knowledge has been improving. Consequently, it has been proved that most of the severe diseases are not caused directly by infections but toxic compounds from the fungus which grew up in the different compounds or row material that are used in the feeding.

It is caused because of the wrong conditions in which the compounds or row materials are collected, maintained and processed.



Foto: Field of Corn.

Mycotoxins are well known around the world because it cause damage on people's health, the productivity of the animals and finally to the national and the international business too. Consequently, companies lose a big amount of money. So, they have to do some researches about Mycotoxins in order to avoid the problems mentioned above.



Foto: Finished feed.



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- What are abductors or recruiter of Mycotoxins? They are some Products or Mixures of other products. Their immediate effect is to abduct different Mycotoxins and to reduce their negative effects to the animal. The main products in order to fight the Mycotoxins are the Phyllosilicates, it is because they are three- dimensional and they have a big contact area, porosity and ionic interactions too.

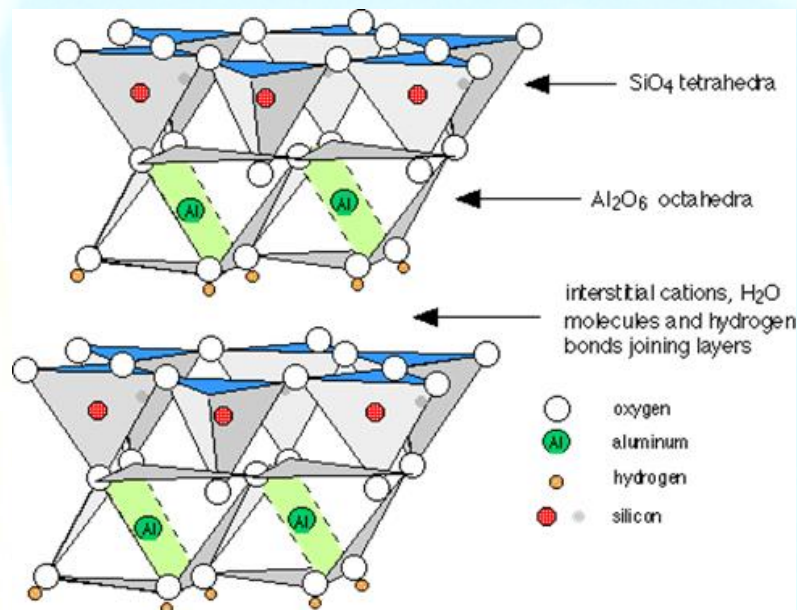


Fig.1. Molecular structure of bentonite

- What are the Phyllosilicates? They are Argiles and because of their three-dimensional laminate structures, which are not neutral, have some physical chemistry amazing characteristics.

- Superficial area very high.
- Big active area.
- Big capacity of ionic interaction.
- Capacity of absorption and adsorption.

All these characteristics can be modified depending on the treatment they suffer, physical chemistry with the influence of the thermal processes. Moreover, all these characteristics had been studied carefully in order to achieve the maximum efficiency with the lower cost.



1.- Product:

Set of phyllosilicates treated physically and chemically in order to acquire a large catchment area.

2.- Company and commercial name:

The company **APLICACIONES ESPECIALES DEL VALLES S.L.** is registered in the Register of establishments in the sector of feeding stuffs according to Regulation 183/2005 and with the number **ESP08301442** in Catalonia.

3.- Application:

Innotox is a mycotoxins binder of mineral origin and with litter capacity, suitable for use in animal feed and additives for livestock sector.

It is able to operate in any medium, either in acid, neutral and alkaline. However, it is not able to operate as other conventional products with limited capacity in acidic media. It protects animals effectively against mycotoxins avoiding productive and reproductive disorders, different damages, etc... It can be combined with other products with no risks.

4.- Results:

(*) Analysis of 2 different samples as mycotoxin binders

- Aflatoxin B1	95,1 - 95,5%
- Fumonisin B1	77,2 - 78,1%
- Zearalenone	79,8 - 80,5%
- Vomitoxin	69,8 - 70,2%
- T2-toxin	77,3 - 78,2%
- Ochratoxin A	67.5 - 67,9%



(*)Two randomized trials of 2 different batches.



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5.- Dosage:

The recommended dose for the manufacture of animal feed is 0.1% approximately, although in difficult conditions the dose could be up to 0.3%.



CHEMICAL ANALISI (% referred to dry weight)

SiO ₂	55.90
Al ₂ O ₃	9.32
Fe ₂ O	37.12
MgO	3.26
CaO	1.62
Na ₂ O	1.52

ANALYSIS OF HEAVY METALS (mg/Kg)

Chrome (Cr)	70.3
Nickle (Ni)	24.9
Lead (Pb)	0.8
Cadmium (Cd)	< 0.2
Copper (Cu)	28.7
Zinc (Zn)	50.3
Mercury (Hg)	< 0.1

6.- Storage:

In 25 Kg bags on 1200 Kg pallets, or in 1250 kg Big Bags.

Keep in dry and cool places, avoiding humid and sunny places.



This information corresponds to our present knowledae and experience, without being considered exhaustively. If the product is applied under specific conditions and in case you do mixers or combinations with other substances be careful because there can be some risks. The fulfillment of our information does not relieve the user of the product of the respect to the set of regulations, regulatory and administrative texts, in relation to safety, hygiene and the environment.

INNOTOX FNE

INNOTOX FNE



1.- Product:

Mix of phyllosilicates physically and chemically treated with extracts of beer yeast's cell wall, rich in mannan oligosaccharides (MOS) and Beta-Glucans.

2.- Company and commercial name:

The company **APLICACIONES ESPECIALES DEL VALLES S.L.** is registered in the Register of establishments in the sector of feeding stuffs according to Regulation 183/2005 and with the number **ESP08301442** in Catalonia.

3.- Application:

Innotox Special is a mycotoxins binder based on a mineral, which it is a supplement with a balanced mixture of yeast's cell wall.

It is to improve the uptake of certain mycotoxins in acidic and alkaline phase. Moreover, their prebiotic and immunostimulant action improve the natural resistance to pathogens and the health of the intestinal flora for better growth and feed conversion too.

Innotox Special is rich in mannan-oligosaccharides and beta-glucans, proteins of high digestibility and amino acids, which are absorbable in the small intestine. In addition to stimulate appetite, it is used in young animals and it helps the immune system improving intestinal health and the growth.





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4.- Dosage:

The recommended dose for the manufacture of animal feed is 0.1% approximately, although in difficult conditions the dose could be up to 0.3%.



5.- Storage:

In 25 Kg bags on 1200 Kg pallets, or in 1250 kg Big Bags.

Keep in dry and cool places, avoiding humid and sunny places.



25 kg



1250 kg

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INNOTOX SPECIAL



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