



Reduced feed intake and weight gain

Impact

on

Poultry

Poor FCR and uneven growth

Liver and

Residue risks in meat and eggs

> Egg production drop in layers and breeders

lmmuno suppression –

increased susceptibility to viral/bacterial infections

Note: Mycotoxin effects are often compounded by environmental stress, poor gut health, and immunosuppressive diseases

MaxTox-DX Powder



Dual Detox Defense



Understanding the Mycotoxin Challenge in Poultry & Livestock



Mycotoxins are toxic secondary metabolites produced by fungi, such as Aspergillus, Fusarium, and Penicillium, which contaminate feed ingredients. Even at subclinical levels, Mycotoxins such as Aflatoxins, Fumonisins, Zearalenone, T-2 toxin, DON, and Ochratoxins can severely impair animal health.

Type of Mycotoxin in Poultry diet

Toxin	Fungus	Commodities	Poultry Diet
Aflatoxin	Aspergillus flavus	Corn, Cotton Seed	
	Aspergillus parasiticus	Soybean, peanuts	ML
Ochratoxin A	Aspergillus ochraceus	Wheat, barley, Oats	
	Aspergillus nigri	Oats, Corn	•
DON, T-2, DAS	Fusarium culmorum	Corn, Wheat, Barley	
Zearalenone	Fusarium graminearum	Corn, Wheat, Barley	
Fumonisin	Fusarium verticillioides	Corn	

Type of mycotoxin effect



Mutagenic & carcinogenic
Aflatoxins



Teratogenic
Trichothecenes



Neurotoxic Ergot alkaloids



Hepatotoxic Fumonisins



Immunotoxic

Aflatoxins, trichothecenes, fumonisins

 $\textbf{Composition:} \ \mathsf{MOS}, \ \mathsf{HSCAS}, \ \mathsf{Activated} \ \mathsf{Charcoal}, \ \mathsf{and} \ \mathsf{Organic}$

Mode of Action – A Targeted Approach

MOS (Mannan Oligosaccharides):

- Derived from Saccharomyces cerevisiaecell walls
- Binds Pathogenic bacteria and Mycotoxins, especially Aflatoxins and Zearalenone
- Enhances gut immunity and competitive exclusion of pathogens

Activated Charcoal:

- High surface area adsorbent
- Binds a wide spectrum of polar and non-polar Mycotoxins
- Neutralises enterotoxins and supports detoxification

HSCAS (Hydrated Sodium Calcium Aluminosilicate):

- High-affinity clay with selective binding properties
- Proven effectiveness against Aflatoxins, Fumonisins, and T-2 toxin
- Thermally stable and safe for long-term use

Organic Acids (Propionic, Fumaric):

- Lower gut pH, inhibiting mold and bacterial growth
- Improve gut integrity and digestion
- Support feed preservation and reduce fungal proliferation

Feature & Benefits:

- Broad-spectrum toxin binding (Aflatoxins, DON, ZEA, T-2, OTA, FUM)
- Improved gut health and reduced gut lesions
- Enhanced immune function; Reduced mortality and improved livability
- Better FCR, weight gain, and uniformity
- Supports reproductive health especially critical in breeders and sows

Recommended Inclusion: (gm/MT of feed)

Species	Preventive Use	Therapeutic Use
Broilers	750	1000
Layers	500–700	1000
Breeders	750	1200
Swine (Growers/ Finishers)	500–700	1000
Swine (Sows)	700–1000	1200

Inclusion can be modulated on feed toxin load, veterinary guidance, and lab reports.

Packaging:

5 kg and 25 kg HDPE bags













