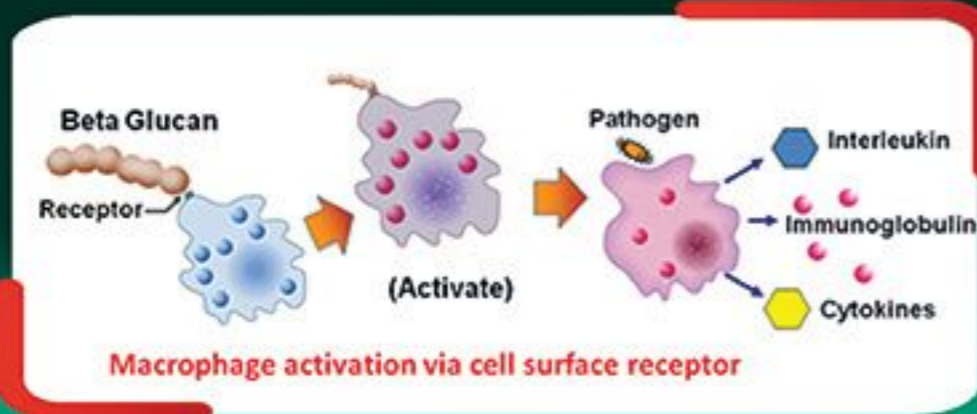


3

3- Prevention of the immunosuppressive effect of mycotoxins

Through the effect of Betaglukan on the macrophage activation



POWERRAN TX INDICATIONS

- 1) Prevention and control of Mycotoxicosis in poultry.
- 2) Control secondary bacterial infection associated with mycotoxins.
- 3) Prevention of immune suppressive effect of Mycotoxicosis.
- 4) Protection of liver and Kidney from mycotoxin.
- 5) Improvement of GIT efficiency in digestion and absorption.

POWERRAN TX DOSAGE

For Prevention:

Powerran TX added to drinking water 0.5 cm/ Liter /5-3 days/ every 15 days.

For Treatment:

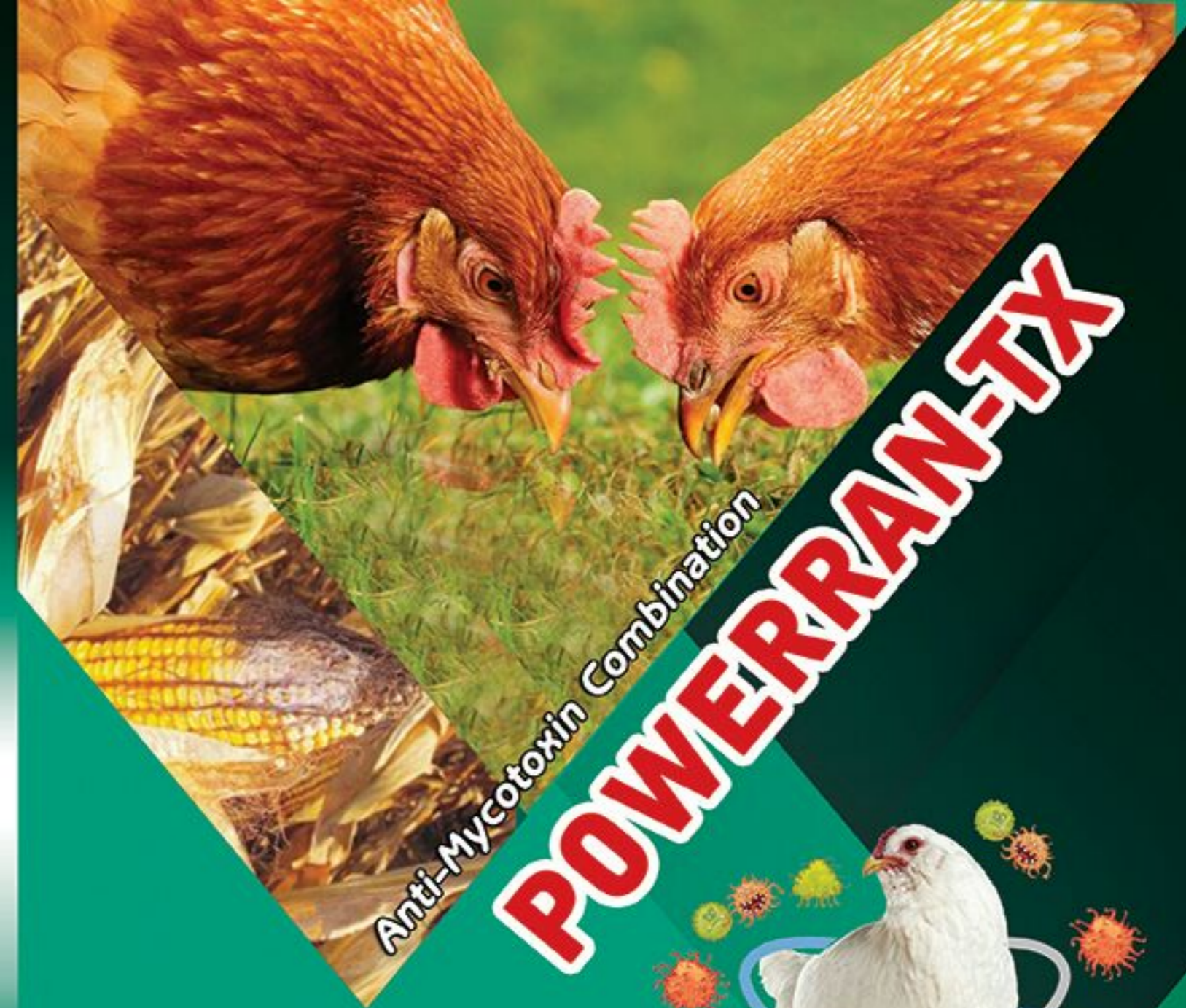
Powerran TX added to drinking water 1.5-1 cm/ Liter /5-3 days.

POWERRAN TX PACKAGE

One liter plastic bottle

Main Office : 6 El obour Building , Salah Salem St., Cairo, Egypt.
 Mobile: +2 010 131 131 2 Tel.: +202 22612675 Fax: +202 24039029
 E-mail: info@elyoser.com

ELYOSER
 Medicine Feeding
SMART



POWERRAN-TX



POWERRAN-TX

It has been estimated by the Food and Agricultural Organization (FAO) that, worldwide approximately %25 crops are contaminated by molds, and show that almost %100 of these crops is contaminated with one or more mycotoxins. There are many species of molds and hundreds of known mycotoxins.

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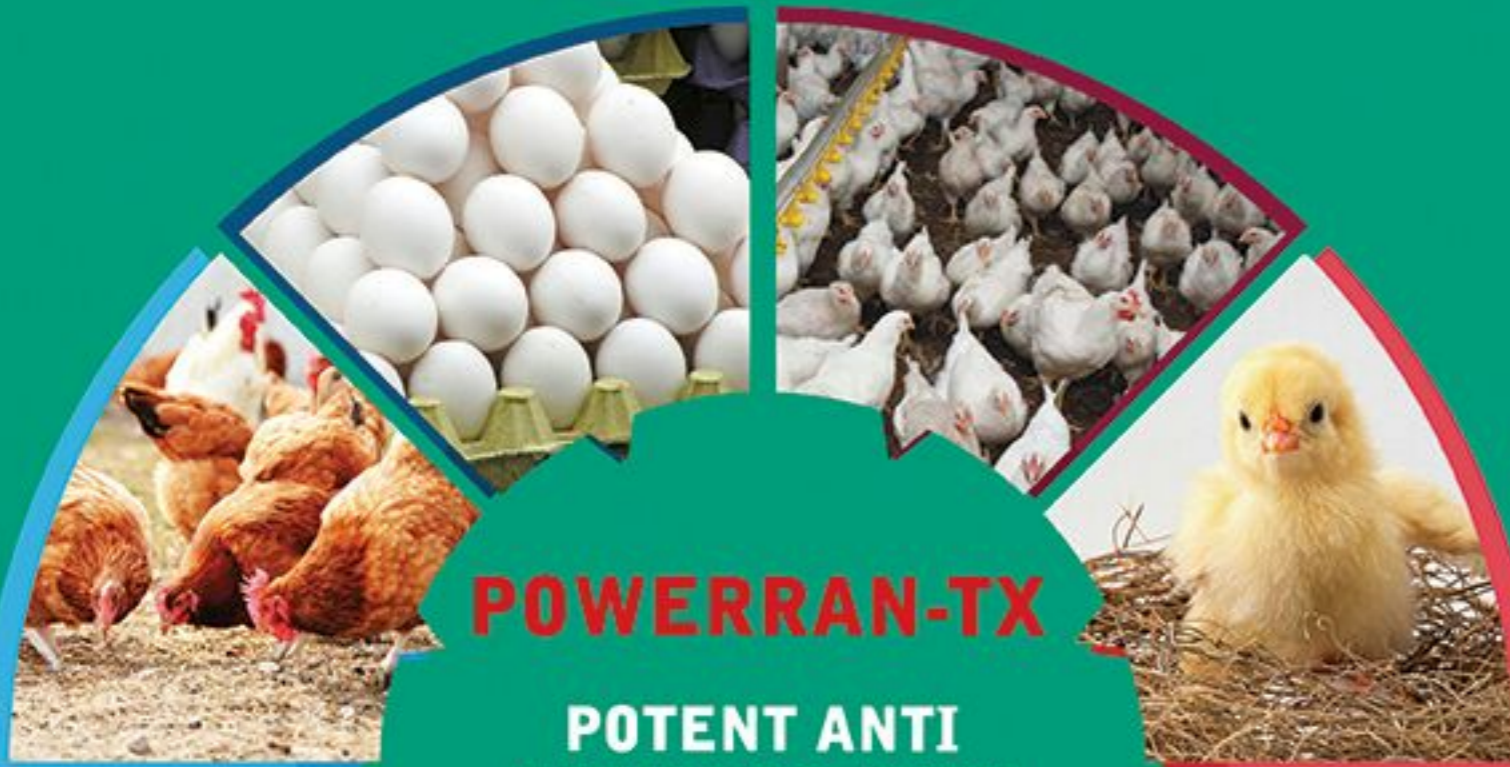
IMPACT OF MYCOTOXINS

- 1- Reduced immune response (vaccinations)
 - Reduction in size of bursa of Fabricius and thymus
 - Reduction in T-lymphocyte, B-lymphocyte and white blood cell
 - Reduction in total serum proteins and immunoglobulins
 - Reduction in antibody titers
- 2-Reduced feed intake
- 3-Reduced nutrient absorption
(MALABSORPTION SYNDROME)
- 4-Residues in Eggs/ Condemnations / Downgrading
- 5-Reproduction (loss in fertility & hatchability)



CONTROL OF MYCOTOXINS

Detoxification / Decontamination MUST act quickly in the gut



POWERRAN-TX

**POTENT ANTI
ANTIMYCOTOXIN**

Each
Liter
contains

POWERRAN-TX

COMPOSITION



-Inactive Yeast extract.....	50 gm
- Mannan oligosaccharide.....	10 gm
- Beta-glucan.....	12.5 gm
- Propionic acid.....	250 gm
- Citric acid.....	95 gm
- Phosphoric acid.....	80 gm
- Lactic acid.....	75 gm
- Malic acid.....	25 gm
- Formic acid.....	35 gm
- Vitamin C	15 gm
- Vitamin B6	2.7 gm
- Propylene glycol	60 gm



1

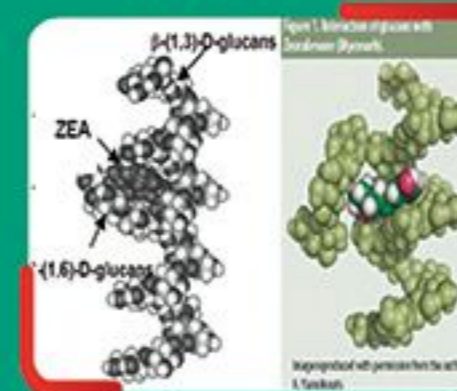
POWERRAN TX MODE OF ACTION

1- Broad spectrum Antimycotoxin through

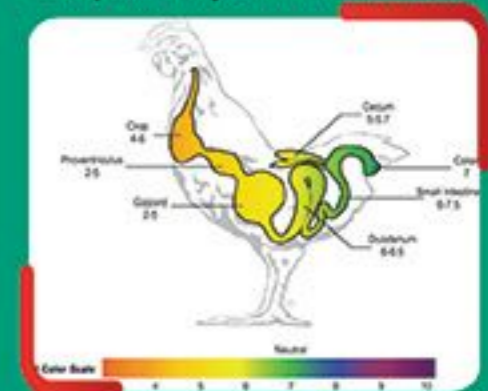
A- Biological Adsorption of Mannan oligosaccharide



B- Beta glucan binding to Zearalenone



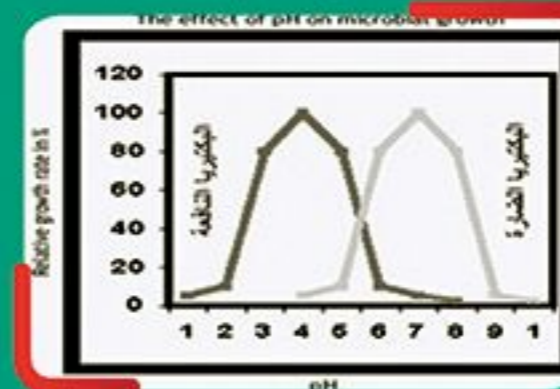
C- Six types of organic acid able to modify pH media of GIT and minimize absorption of mycotoxins from the feed.



2

2- Control secondary bacterial infection following mycotoxicosis

A- Acidification of intestinal tract, able to initiate the normal flora and inhibit the pathogenic bacteria.



B- Acids dissociated to Anion and cation That have bactericidal effect on salmonella, clostridia and e.coli

