



INTEGRAMOS®

IntegraMOS® is a high-quality prebiotic yeast product that helps support the immune system of birds during times of challenge. Contains a specially selected yeast (*Saccharomyces cerevisiae*) and is rich in mannan-oligosaccharides (MOS) and β glucans.

Helps Overcome:

 Bacterial challenges

 Gut health challenges

 Immune stress

WHAT'S INSIDE:

MANNAN-OLIGO-SACCHARIDES (MOS)

Helps reduce pathogen load, specifically *Salmonella* and *E. coli*, by acting as a receptor in the gut to attract and bind pathogens. These pathogens are associated with:

- Mortality and reduced growth in chicks
- Increased risk of contamination in poultry products

BETA GLUCANS

Promotes healthy immune function with further binding properties, reducing adhesion of *Salmonella* and *E. coli* to the digestive tract before they can cause harm. Beta glucans also possess potent mycotoxin absorption properties.

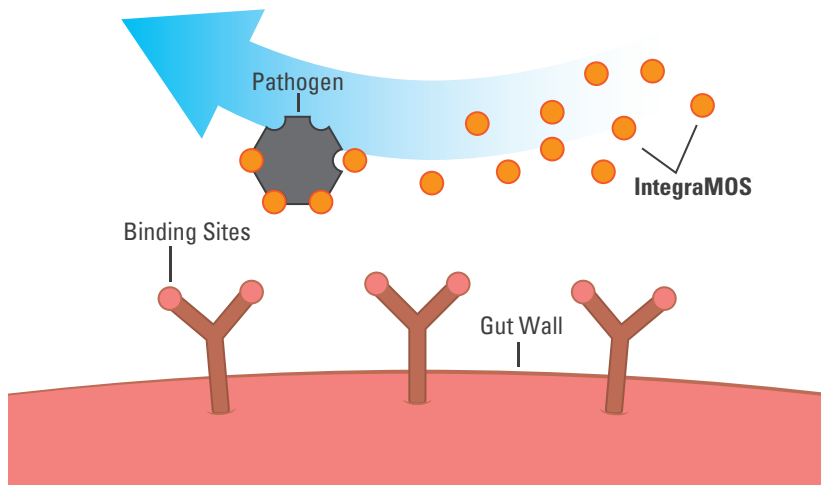
Recommended Use:

Mix 0.5-2 lbs. per ton of complete feed for all classes of poultry.



HOW IT WORKS

It is known that *Salmonella* and *E. coli* must attach to the intestinal wall and colonize in order to produce an infection or contamination.



Mannan-oligosaccharides mimic the binding sites along the gut wall, attracting pathogens such as *E. coli* and *Salmonella* so they can harmlessly pass through the bird. In conjunction, beta glucans have further binding properties, limiting pathogen load in the digestive tract while also helping enhance the immune system and animal performance.

RESEARCH-PROVEN TO REDUCE IMPACT OF PATHOGENS

Pathogen binding is important to the functionality of MOS products in poultry. Previous research conducted on **IntegraMOS** characterized its ability to bind poultry pathogens.

Table 1 demonstrates the efficacy of **IntegraMOS** against *Salmonella* and *E. coli* strains significant in poultry production.

Table 1: Pathogen Binding Ability of **IntegraMOS**

<i>Salmonella pullorum</i>	++	<i>E. coli</i> M4-4249	+++
<i>Salmonella heidelberg</i>	+	<i>E. coli</i> M4-4251	+++
<i>Salmonella typhimurium</i>	+++	<i>E. coli</i> M5-7184	+
<i>Salmonella enteritidis</i>	++	<i>E. coli</i> G-1253	++
<i>Salmonella enterica</i>	+++	<i>E. coli</i> 5511	+++
<i>Salmonella</i> Binding Percent	80-95%	<i>E. coli</i> Binding Percent	75-90%

Table Key:
 No binding: -
 Weak binding: +
 Moderate binding: ++
 Strong binding: +++

INTEGRAMOS

Product# 9004-55

55 lb. Bag

Guaranteed Analysis

Crude Protein, min	25.00%
Crude Fat, min	0.30%
Crude Fiber, max	3.00%

List of Ingredients

Hydrolyzed Yeast (*Saccharomyces cerevisiae*)



Call 1-800-533-5306 or visit RalcoAgriculture.com