



Cocci Phyt

Anticoccidial and improves digestive system function

Suitable for poultry

Premix

Ingredients:

- Quercus infectoria (Oak Gall) Extract
- Artemisia annua Extract
- Allium sativum (Garlic) Extract

Diarrhea is one of the common problems seen in poultry farming. Diarrhea causes disruption in absorption of food in the intestines and imbalance of ions in the body. Decreased absorption of consumed food and lack of energy and nutrients required by the body causes lethargy, anorexia and even death. One of the most important causes of diarrhea in poultry is coccidiosis.

Coccidiosis is a parasitic infectious disease of the gastrointestinal tract caused by different species of Eimeria parasites. In addition to diarrhea and clinical symptoms, coccidiosis in the subclinical form causes a drop in flock production and efficiency, and as a result, it is considered as the most important and damaging parasitic disease in the poultry industry. Indiscriminate use of anticoccidial drugs has led to the spread of resistance to these drugs and their ineffectiveness. This caused the European Union to limit the use of chemical anticoccidials in feed since 2006, and the complete prohibition of these compounds in feed is imminent. On the other hand, most of the chemical anticoccidials have a withdrawal period due to residues in animal production and cannot be used during production. This issue has increased the risk of coccidiosis in these periods, which will cause heavy economic losses to poultry farmers.

Cocci Phyt, the herbal anticoccidial medicine, stops the life cycle of the parasite and prevents the transmission of infection by controlling and inhibiting the growth of coccidia oocysts in the early stages and causes definitive prevention and treatment of coccidiosis in all types of poultry. Cocci Phyt can be completely replaced with coccidiostats in poultry. The most important feature of Cocci Phyt is that it can be used throughout the production period, and this medicine does not have any contraindications or withdrawal periods. Due to its herbal and safe formulation, Cocci Phyt can be used in the production and laying period, and due to the presence of several effective and active compounds, it does not cause any drug resistance.

Mechanism of action:

The formulation of this herbal anticoccidial medicine is completely based on the active compounds of oak gall, garlic and artemisia plants. Artemisinin is the most important active compound in Artemisia, which has strong anti-parasitic effects. Artemisinin causes the formation of free radicals through the destruction of peroxide complexes and thus causes oxidative stress in the parasite. These radicals directly inhibit sporulation and prevent the formation of the parasite's cell wall. Artemisinin is a sarco-endoplasmic reticulum inhibitor and causes disturbance in calcium ion homeostasis and as a result disturbs cellular pathways regulated by this ion such as protein secretion, motility, cell division and differentiation. As a result, artemisinin reduces the shedding of parasite oocysts from the animal and also reduces sporulation in the excreted oocysts. Reducing oocyst shedding leads to controlling the disease and preventing its transmission and spread at the flock and farm level. In addition, the Artemisia annua plant contains compounds that help maintaining the natural microflora of the digestive tract and thus increase nitrogen absorption.

Tannin is the most important active compound of oak gall, which penetrates the wall of oocysts and causes inactivation of enzymes responsible for sporulation. In addition, tannins have antimicrobial, antioxidant and anti-inflammatory properties and therefore improve the environment of the digestive system. By forming a complex with proteins, tannins remove them from the reach of the bacteria in the digestive tract so that they reach the intestinal environment safely and are absorbed by cells of the body.

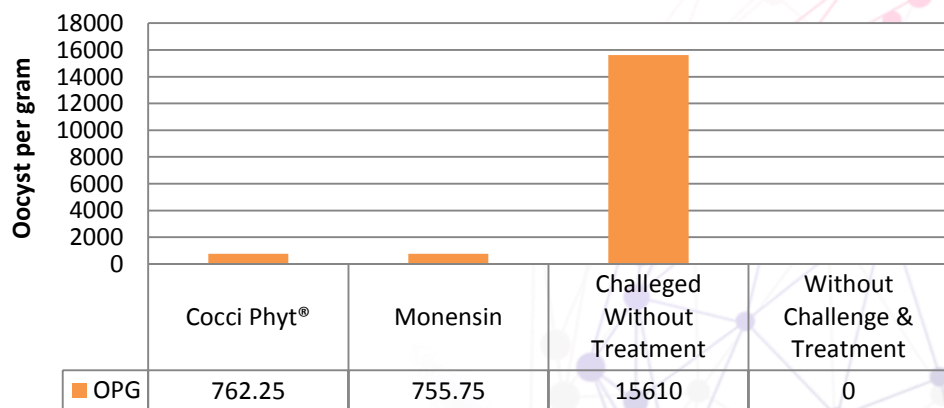
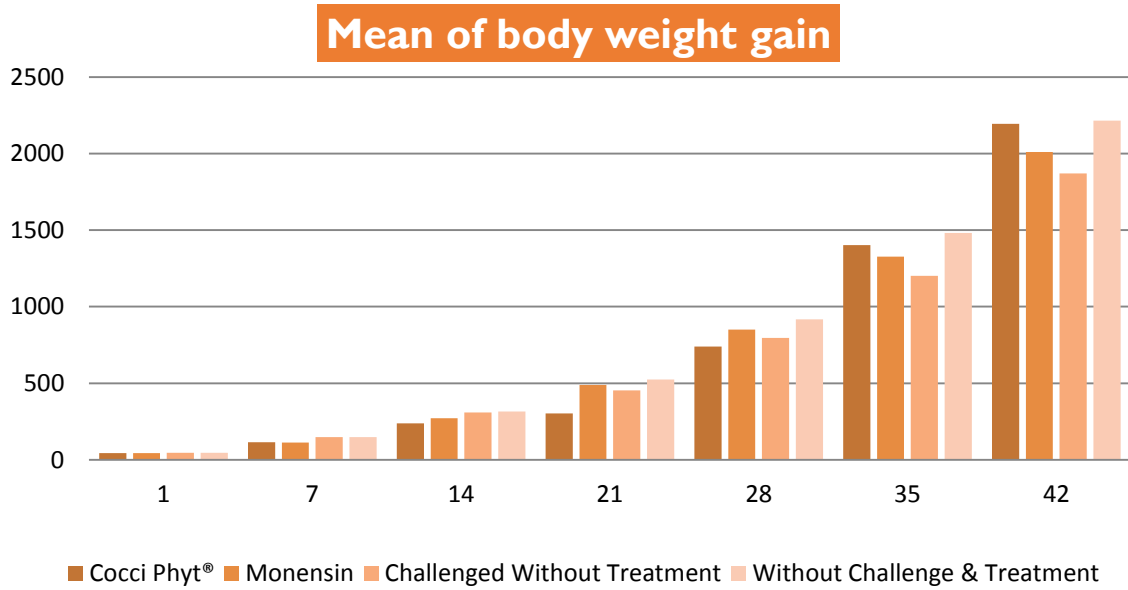
The sulfur containing compounds in garlic, such as allicin, have broad antimicrobial properties that can reduce the negative effects caused by microbial infections. Allicin effectively inhibits Eimeria parasite sporulation. In general, Cocci Phyt is formulated in a way which these active compounds have the highest efficiency together and are safe at the same time.

Cocci Phyt Indications:

- Prevention and treatment of Coccidiosis
- Complete replacement of anticoccidials (coccidiostats) in poultry
- Prevention and treatment of enteritis and clostridial infections
- Increasing the efficiency of consumed and passing protein
- Improving FCR and growth efficiency
- Increasing the quality and quantity of egg production
- Decreasing the digestive parasitic population
- Improving uniformity and health of the flock
- Improving the digestive system function



Positive effects of Cocci Phyt on fecal oocyst count, mortality percentage and weight during coccidiosis challenge



Recommended dosage:

0.5-1 kg/ton of feed

Storage Conditions:

Store in a cool and dry place at 25°C and away from direct sunlight.

Withdrawal Period:

No withdrawal period is required.

Drug Interaction:

Compatible with all kinds of commonly used medicines, additives and vaccines.

There is no risk of resistance.

Cautions:

Keep out of reach of children

Packaging:

25 kg packets

Expiration Date:

24 months from production date



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