NUTRIAID

ANDMIN ORGANIC

THE BEST NATURAL SOLUTION FOR POULTRY & ANIMALS

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What is Andmin organic?

Is a combination of trace minerals, micronutrients and wheat bran developed for animal nutrition with the target of improving enzymatic, metabolic and immunological processes, which may inflict on the productive parameters in poultry.

Why use admin organic?

Because it is a product that offers an effective, practical and high quality solution. And the composition of trace minerals such as zinc, copper, and manganese are essential cofactors for hundreds of cellular enzymes and transcription factors in all animal species, and thus participate in a wide variety of biochemical processes. Immune development and response, tissue and bone development and integrity, protection against oxidative stress, and cellular growth and division are just a few examples. Deficiencies in trace minerals can lead to deficits in any of these processes, as well as reductions in growth performance.

All the minerals are in organic form, to increase their absorption and action in the animal.

Components

Wheat Bran.

Micronutrients (organic):

- Copper
- Selenium
- Zinc
- Manganese
- Chrome
- Iodine

Higher absorption and extra action.

Micronutrients

COPPER (CU)

Copper is an essential mineral which serves as a cofactor in many enzyme system, such as cytochrome oxidase, lysyl oxidase, ceruloplasmin and superoxide dismutase (Klasing, 1998).

- Improves performance and feed conversion ratio in broilers.
- Increase egg production
- Effective in promoting growth and reducing blood cholesterol, and was more bio-available in the organs of broilers.

Higher absorption and extra action.

Micronutrients

SELENIUM (Se)

The antioxidant properties and prooxidant activity of Se have been described. In spite of a long history, our knowledge of the molecular mechanisms of Se action in human and animals are still in their initial stages. Indeed Se is an integral part of various selenoproteins with glutathione peroxidase (GSH-Px) being the first selenoprotein identified in 1973. Se's participation in antioxidant defence and in the regulation of redox status of the cell could explain its importance to various physiological functions, especially to reproduction. Improve embryonic development.

Prevent the damaging effects of free radicals produced within the egg.

Micronutrients

IRON (Fe):
Studies were carried out to determine the effect of additive iron chelate on the production performance, slaughter yield, mineral deposition in the liver and the metabolic blood panel in broiler chickens.
Important component of bones
Elemental component of hemoglobin.

Micronutrients

ZINC (zn)
Trace minerals are essential feed additives in the diets of broiler birds to ensure better health and productivity. Zinc (Zn) is the most commonly added trace mineral in poultry feeds. It provides immunity (Kidd et al., 1996) and adequate Zn consumption is crucial to the development, maintenance and efficient functioning of the immunological system and the cells associated to it. A number of researchers documented that dietary zinc in its organic form was found to be more bioavailable than its inorganic form, hence provides better immunity. Improve the cellular and humoral immune response. Good interaction whit other micronutrients (Copper, manganese)

Micronutrients

MANGANESE (Mn)
The role of manganese (Mn) in maintaining normal structure of tibiometatarsal joint and in the functioning of metalloenzymes as a catalyst is well documented (McDowell, +33,). Mn has been identified as an important element in supporting normal immune functions in broiler chickens as it interacts with neutrophils and macrophages through plasma membrane cells that are involved in immune response (Hurley and Keen, +321).

Micronutrients

IODINE (I)

Synthesis of thyroid hormone; thyroxin which controls rate of metabolism.

CHROME (cr)
Chromium is an essential trace mineral that is pivotal in glucose, protein and fat metabolism in animal tissue. The chromium is also known to be partially responsible in blood cholesterol regulation. Therefore, a dietary supplementation of chromium has suggested as a new approach to produce low-fat, low- cholesterol meat from the meat producing animals.

Wheat bran

Feed additives, including prebiotics, are commonly used alternatives to antimicrobial growth promoters to improve gut health and performance in broilers. Wheat bran is a highly concentrated source of (in) soluble fiber which is partly degraded by the gut microbiota. The aim of the present study was to investigate the potential of wheat bran as such to reduce colonization of the cecum and shedding of Salmonella bacteria in vivo.

Also, the effect of particle size was evaluated WB-diet alone or with other micronutrients significantly increased plasma antioxidant capacity while it decreased total plasma cholesterol .
Increased the level of plasma calcium. It could be concluded that can be incorporate into broiler diets without adverse effect on performance but also it have a beneficial effect on plasma antioxidant capacity, phosphorus and globulin.

How to use?

DOSAGE:
Mixed in the feed from 0.25 to 1 Kg/ton of feed.

PRESENTATION:
Powder. 25 kg bag or big bag.

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Selenium in Poultry Nutrition

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