



368 Research report

Dietary zinc source affects performance and intestinal health in broilers

by De Grande, A.

2020 Doctoral dissertation : 212

In Significant Impact Groups:

Feed / gut health \ Feed additives and supplements

Species targeted: Poultry;

Age: Young;

Summary:

In supplementation of zinc as a complex with amino acids has larger effects on gut health of broilers compared to an inorganic source such as ZnSO₄. Especially in periods of stress larger effects are observed regarding feed conversion, gut morphology and meat quality. An optimal gut health is crucial for healthy growth of broilers. Several factors such as high environmental temperatures, put more stress on the health and integrity of the gut. Supplementation of the Zinc can be of support. Zinc is an essential trace element that is known to be part of several biological processes. Still, its supplementation can be done with various sources. This study investigated whether the source of Zinc, either organic or inorganic, has an effect on the gut morphology, technical performance and meat quality of broilers. The best results were attained when supplementing in feed with an organic zinc-amino acid complex, especially in stressful periods.

368 Research report - De Grande - 2020 - Dietary zinc source affects performance and intestinal health in broilers

Where to find the original material:

<http://hdl.handle.net/1854/LU-8675708>;

Country: BE