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شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

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NUTRITIONAL STUDIES ON PHOSPHORUS METABOLISM FOR GROWING RABBITS

BY

HALA MOHAMED GAMAL EL-DIEN

B.Sc. Agric. Sci. (Poultry Production), Alexandria Univ., 1989.

M.Sc. Agric. Sci. (Poultry Nutrition), Ain Shams Univ., 1995.

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This thesis for Ph.D. degree has been approved by:

Prof. Dr. M.M. Abd-Ella.....*M. M. Abdella*.....
Prof. of Poultry Nutrition, Dept. of Animal Production,
Fac. of Agric., at Moshtohor, Zagazig Univ.

Prof. Dr. M.A. Afifi.....*M. Afifi*.....
Prof. Emeritus of Poultry Nutrition, Dept. Fac. of
Agric., Ain Shams Univ.

Prof. Dr. Hussein A. El-Alaily.....*H. Alaily*.....
Prof. Emeritus of Poultry Nutrition,
Fac. of Agric., Ain Shams Univ., (Supervisor)

Date of examination: *8/7/2001*

ABSTRACT

Hala Mohamed Gamal EL-Dein, Nutritional studies on phosphorus metabolism in growing rabbits, Unpublished Doctor of Philosophy Dissertation, Ain Shams University, Faculty of Agric., Department of Poultry Production, 2001.

The purpose of the present study is to investigate the effect of different levels and sources of phosphorus on the growing rabbit performance for 7 weeks. One hundred and forty four growing rabbits divided into 12 treatments under sub-four main groups were used:

- 1- Rabbits fed on organic phosphorus from plant origin.
 - 2- Rabbits fed on organic phosphorus + phytase.
 - 3- Rabbits fed on inorganic phosphorus from dicalcium phosphate.
 - 4- Rabbits fed on inorganic phosphorus from Phosphoric acid.
- All with the same P levels of 0.45, 0.55 and 0.65%.

Results obtained showed that rabbits fed on 0.45% P level from organic phosphorus gave better performance and utilized their feed more efficiently.

Adding phytase didn't improve rabbit performance. Phosphoric acid gave the worst results.

Key words: Rabbits- Phosphorus - Phytase – Performance – Serum - Bone - Digestibility – Retention.

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