شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد أعدت دون أية تغيرات

يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%

بعض الوثائـــــــق الاصليـــــة تالفـــة

بالرسالة صفحات لم ترد بالاصل

EFFEC T OF SUPPLEMENTAL MICROBIAL PHYTASE ON PRODUCTIVE PERFORMANCE OF BROILER CHICKENS

BY

ZEINAB MAHMOUD DESOUKY AL Y

B.Sc. Agric. Sci. (Poultry Production), Ain Shams Univ., 1983.

M.Sc. Agric. Sci. (Poultry Nutrition), Ain Shams Univ., 1994.

A thesis submitted in partial fulfillment

of

the requirements for the degree of

DOCTOR OF PHILOSOPHY

in

Agricultural Science
(Poultry Nutrition)

Poultry Production Department
Faculty of Agriculture
Ain Shams University

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B.Sc. Agric. Sci. (Poultry Production), Ain Shams Univ., 1983.
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This thesis for Ph.D. degree has been approved by:

Prof. Dr. F.M. Attia.....
Prof. of Poultry Nutrition Department of
Animal Production, Faculty of Agriculture
Al- Azhar University.

Prof. Dr. A.A. Ghazalah.....
Prof. of Poultry Nutrition, Faculty of Agriculture,
Cairo University.

Prof. Dr. Ali Zein El-Dein.....
Prof. of Poultry Breeding, Poultry,
Production Department, Faculty of Agriculture,
Ain Shams University (Supervisor)

Date of examination: 9/8/2001

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B.Sc. Agric. Sci. (Poultry Production), Ain Shams Univ., 1983.
M.Sc. Agric. Sci. (Poultry Nutrition), Ain Shams Univ., 1994.

Under the supervision of:

Prof. Dr. M. A. EL-Zeiny
Professor of Poultry Nutrition, Poultry Production Department, Faculty of Agriculture, Ain Shams Univ.

Prof. Dr. A. A. Hemid
Assistant Prof. of Poultry Nutrition, Poultry Production Department, Faculty of Agriculture, Ain Shams Univ.

Dr. M. A. El-Sheikh
Director of Researches of Poultry Nutrition,
Poultry Nutrition, Department
Animal Production Research Institute, Dokki, Giza.

ABSTRACT

Zeinab Mahmoud Desouky Aly. Effect of supplemental microbial phytase on productive performance of broiler chickens. Unpublished Ph.D. Dissertation, Ain Shams University, Faculty of Agriculture, Department of Poultry Production 2001.

This study was carried out at the poultry Research station, EL-Kanater EL-Khairia, Kalubia governorate belonging to Animal Production Research Institute, A.R.C., Egypt. This study included 600 broiler chicks one day old and used till-7 weeks. Chicks were divided into three experiments, each experiment was divided into five treatments. Broiler chickens of all treatments were fed diets was fed ration of plant origin. In experiment (1): the diet composition depend on soybean meal as source of plant protein. experiment (2): the main source of plant protein was sesame meal. experiment (3): sunflower meal was the main source of plant protein. In each experiment, the treatments were: the control balanced diet, the low P diet and the low P diet with 250, 500 and 750 unit of phytase/kg. Results obtained indicated that phytase supplementation showed improvement in productive performance of broiler including average body weight, average body weight gain, feed intake and feed conversion. Moreover, phytase addition improved utilization of P, Ca, Cu and Zn, improved bone quality whatever was the source of protein.

Key words: broiler - phytase - productive performance, utilization of minarals, plasma, bone quality.

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