NUTRITIONAL STUDIES ON PEKIN DUCKS USING SULPHATE SALTS

BY

MOHAMED NABIL ALI

B.Sc. of Agric. Sci. poultry Production

Ain Shams Univ. 1990

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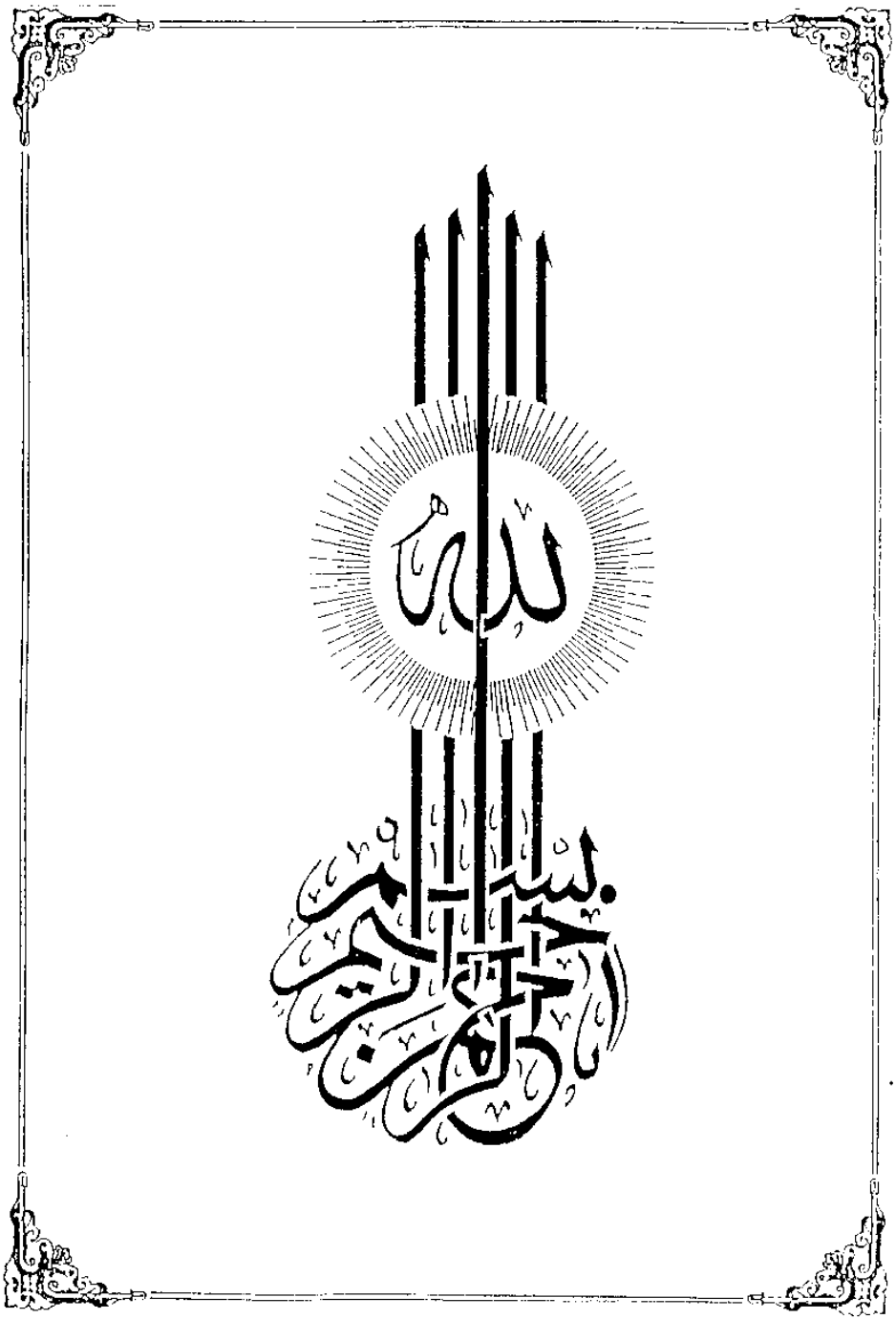

APPROVAL SHEET

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This thesis for M.Sc. Degree has been Approved by :

Prof. Dr. Mohamad Ahmed Afifi

Prof. of Poultry Nutrition Ain Shams University.

Prof. Dr. Mohamed Ali Hasan Radwan

Prof. of Poultry Nutrition, Animal Production Research Institute .

Prof. Dr. Hussein Abd-Allah El-Alaily

Prof. of Poultry Nutrition, Ain Shams University.

(Supervisor).

Date of Examination : 2 / 3 /199

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MOHAMED NABIL ALI

B.Sc. of Agric. Sci. poultry Production Ain Shams Univ. 1990

Under the Supervision of :

Prof.Dr. Hussein. A. El-Allaily

Prof. of Poultry Nutrition

Poultry production Dep., Fac., of Agric. Ain Shams Univ.

Prof. Dr. Hamdy. M. Fayek

Head Senior researcher,Animal Production Research Institute,

Ministry of Agriculture

Dr.Sayed. A. Ibrahim

Assistant professor of poultry nutrition

Poultry production Dep., Fac., of Agric. Ain Shams Univ.

ABSTRACT

Mohamed Nabil Ali Ahmed.Nutritional studies on pekin ducks using sulphate salts:Unpublished Master of Science,University of Ain Shams, Faculty of Agriculture,Department of Poultry Production,1990.

Two experiments were conducted to study the effect of sulphate salts on pekin ducks performance and whether sulphate can replace supplemented methionine or not. In the first experiment,ducks were fed basal diet alone or with 0.1% methionine hydroxy analogue-calcium salt,0.1% sodium sulphate (SS) ,0.3% SS or 0.5% SS. The average live body weights at 8 weeks were 1893,1986,1989,1968 and 2145 g,respectively.The results of the first experiment showed that ducks need supplemented methionine or sulphate to maximum growth performance.In the second experiment,ducks were fed basal diet alone or with 0.1% methionine hydroxy analogue-calcium salts, 0.1% SS,0.3% SS,0.5% SS,0.7% SS or 0.9% SS.The average live body weights were 2422,2383,2387,2377,2402,2403 and 2439 g,respectively. The results of second experiment showed that ducks did not need either methionine or sulphate. The difference between the two experiments was discussed.

Key words: **duck,methionine , sulphate,performance**

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