



# شبكة المعلومات الجامعية التوثيق الالكتروني والميكرو فيلم

*TANTA UNIVERSITY*  
*Kafr El-Sheikh Faculty of Agriculture*  
*Poultry Production Department*

**NUTRITIONAL STUDIES ON POULTRY**  
**EFFECTIVENESS OF SOME FEED ADDITIVES FOR**  
**DETOXIFICATION OF MYCOTOXIN CONTAMINATED**  
**LOCAL CHICKEN DIETS**

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*Thesis*  
*Submitted in Partial fulfillment of the*  
*Requirements for the degree*  
*of*  
**Doctor of Philosophy**  
*in*  
**Agriculture Sciences**  
*(Poultry Production)*

***Department of Poultry Production***  
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**1999**

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## ACKNOWLEDGEMENT

I would like to express my sincere appreciation and deep gratitude to **Dr. N.S. Isshak**, Professor of Poultry Nutrition, Kafr El-Sheikh Faculty of Agriculture, Tanta University for suggesting the problem, his guidance, supervision, encouragement, revising the manuscript, valuable criticism, comments, valuable advices.

I would like to express my sincere appreciation and deep gratitude to **Dr. N.M. El-Naggar**, Professor of Poultry Nutrition, Animal and Poultry Research Institute, Agriculture Research Center for suggesting the problem, his guidance, supervision, encouragement, revising the manuscript, continuous help and valuable advices.

Thanks are due to **Dr. K.M. Saleh**, Professor of Poultry Breeding and Head of Poultry Department, Kafr El-Sheikh Faculty of Agriculture, Tanta University for his encouragement, guidance, fruitful advices, great help and for the facilities he provided to complete this work.

Sincere appreciation and deep gratitude are due to **Dr. S.G.K. Genedy**, Lecturer of Poultry Nutrition, Kafr El-Sheikh Faculty of Agriculture, Tanta University for her guidance, valuable advices, supervision and revising the manuscript.

Thanks are also due to **Dr. Y.H. Abu-Sree**, Researcher of Mycotoxins, National Research Center for his guidance and aflatoxin residues determination in meat and livers of poultry.

Thanks to all staff members of Animal and Poultry Research Laboratories at Sakha for their help and support.

I am indebted to my family especially my father, mother, wife and lovely sons "Mohamed and Mostafa" for their continuous support, help, encouragement.



## CONTENTS

	Page
<b>INTRODUCTION.....</b>	<b>1</b>
<b>REVIEW OF LITRATURE.....</b>	<b>2</b>
1. Aflatoxin.....	2
1.1. The fungi producing aflatoxin .....	2
1.2. Structures of aflatoxins .....	2
1.3. Factors affecting the aflatoxins formations .....	2
1.4. Metabolism of aflatoxins .....	5
2. Effect of aflatoxin on chickens .....	9
2.1. Live body weight .....	10
2.2. Feed consumption .....	11
2.3. Feed conversion .....	13
2.4. Mortality rate.....	15
2.5. Egg production.....	16
2.6. Egg weight .....	18
2.7. Egg quality .....	19
2.8. Fertility and hatchability .....	20
2.9. Semen quality.....	21
2.10. Relative organs and glands .....	22
2.11. Chemical analysis of tissues .....	25
2.12. Aflatoxin residues .....	27
2.13. Blood picture.....	30
3. Decontamination of aflatoxin .....	40
<b>MATERIALS AND METHODS .....</b>	<b>42</b>
1. First experiment .....	42
1.1. Experimental birds .....	42
1.2. Experimental diets .....	42
1.3. Management.....	44
1.4. Procedures.....	44
1.5. Studied criteria .....	45
1.5.1. Live body weight (g) .....	45
1.5.2. Feed consumption (g/week).....	45
1.5.3. Feed conversion (g feed/g gain) .....	45
1.5.4. Mortality rate .....	45
1.5.5. Slaughter test.....	45
1.5.6. Blood criteria .....	46
2. Second experiment.....	46
2.1. Experimental birds .....	46





2.2. Experimental diets .....	46
2.3. Studied criteria .....	48
2.3.1. Egg number (egg/hen/day) .....	48
2.3.2. Egg weight (g) .....	48
2.3.3. Egg mass (g/hen/day) .....	48
2.3.4. Egg quality .....	48
2.3.5. Reproductive traits .....	49
2.3.6. Semen evaluation .....	50
3. Statistical analysis .....	51

## **RESULTS AND DISCUSSION ..... 52**

1. First experiment .....	52
1.1. Chicks body weight (g) .....	52
1.2. Chicks feed intake (g/week) .....	56
1.3. Feed conversion (g feed/g gain) .....	59
1.4. Mortality rate .....	62
1.5. Chicks relative organs and glands .....	63
1.6. Chicks meat and liver chemical analysis .....	68
1.7. Chicks blood picture .....	73
2. Second experiment .....	80
2.1. Hens body weight .....	80
2.2. Hens feed intake .....	83
2.3. Feed conversion (g feed/g eggs) .....	86
2.4. Egg number (egg/hen/day) .....	89
2.5. Egg weight .....	92
2.6. Egg mass (g/hen/day) .....	95
2.7. Egg components and their quality .....	98
2.8. Reproductive traits .....	104
2.9. Semen evaluation .....	109
2.10. Aflatoxin B <sub>1</sub> residue in hen tissues .....	113

## **SUMMARY AND CONCLUSION..... 116**

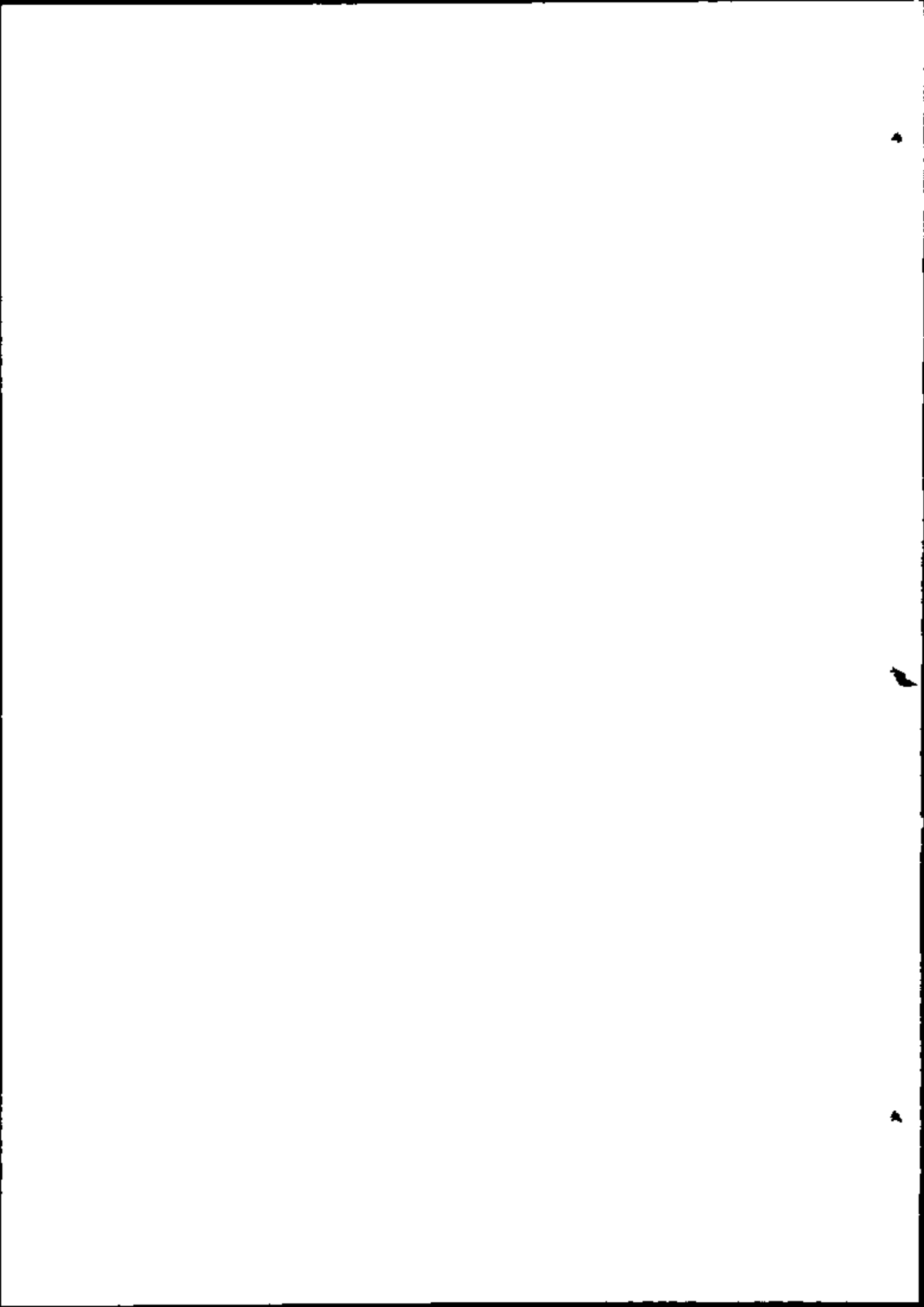
## **REFERENCES..... 122**

## **ARABIC SUMMARY**





# Introduction



# INTRODUCTION

The frequent aflatoxin contamination of agricultural commodities and the chronic exposure of poultry to these toxins can mean the difference between profit and loss to the poultry industry (Jones *et al.*, 1982; Nichols, 1983 and Hamilton, 1984). Aflatoxins has elicited the greatest public health concern of all mycotoxins because of its widespread occurrence in several feed grains, especially corn which comprises between 50 to 60% of many poultry diets (Phillips *et al.*, 1988), in addition to the role of aflatoxins in the etiology of primary hepatocellular carcinoma has been proved (Wild *et al.*, 1990).

The prevention of mycotoxins is the best method of controlling contamination. Yet, if the contamination should occur therefore the removal or avoidance of its hazards must be carried out. This could be done, experimentally, via decontamination procedures including.

- a- Physical, chemical, or biological removal or
- b- Physical or chemical inactivation (Park, 1990).

While the belief that sorbative materials can be used to manage mycotoxin problems associated with poultry production is therefore a valuable working hypothesis, to be truly effective these materials must have the ability to sorb a large number of chemically distinct mycotoxins (Huff *et al.*, 1992).

The present study was undertaken to investigate the efficacy of some feed additives to diminish the adverse effects of aflatoxin contaminated diets on productive and reproductive performance of local Mandarah and Gimnazah chicken strains.

