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RESPONSE OF BROILER TO ASCORBIC
ACID (VITAMIN C)

THESIS

By

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Don Severino Agricultural College

Indang, Cavite

March, 1983

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RESPONSE OF BROILER TO ASCORBIC
ACID (VITAMIN C)

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Bachelor of Science in Agriculture
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by

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A B S T R A C T

A total of 200 Commercial Pilch broiler chicks were used in the study to determine the effects of ascorbic acid as feed supplement on the growth of broilers.

Birds were divided into two treatments and were replicated four times with twenty five birds per replication. Treatment I (control) was given pure commercial mash while Treatment II (experimental) was given commercial mash with ascorbic acid supplementation.

The average final body weight of birds in Treatment I was higher with 1.74 kilograms than birds in Treatment II with 1.71 kilograms, however, the slight difference showed to be insignificant.

The average feed consumption was also higher in Treatment I with 4.55 kilograms than in Treatment II with 4.53 kilograms. However, results showed insignificant difference.

At the end of the experimental period, birds in Treatment I had a better feed conversion efficiency over birds in Treatment II with an average of 2.19 and 2.20, respectively. However, this slight difference showed insignificant result.

No mortality occurred in the course of the study.

On the average, the net labor return per kilogram

of broiler was higher in Treatment I with ₦3.36 than in Treatment II with ₦2.76.

The study revealed that supplementation of ascorbic acid on the ration of broiler relatively do not influence the body weight although there was slight difference on the body weight as well as on the feed consumption and feed conversion efficiency.

TABLE OF CONTENTS

	Page
BIOGRAPHICAL DATA	iii
ACKNOWLEDGMENT	iv
ABSTRACT	v
LIST OF TABLES	viii
INTRODUCTION	1
Objective of the Study	2
Time and Place of the Study	2
REVIEW OF RELATED LITERATURE	3
MATERIALS AND METHODS	5
Materials	5
Methods	5
DISCUSSION OF RESULTS	8
Growth	8
Feed Consumption	20
Feed Conversion Efficiency	30
Monetary Return	40
SUMMARY, CONCLUSION AND RECOMMENDATION . . .	42
Summary	42
Conclusion	43
Recommendation	43
BIBLIOGRAPHY	45

LIST OF TABLES

Table		Page
1a	Average Initial Weight of Birds, Kilograms	11
1b	Analysis of Variance of Average Initial Weight of Birds	11
2a	Average Gain in Weight of Birds at One Week Old, Kilogram	12
2b	Analysis of Variance of Average Gain in Weight of Birds at One Week Old	12
3a	Average Gain in Weight of Birds at Two Weeks Old, Kilograms	13
3b	Analysis of Variance of Average Gain in Weight of Birds at Two Weeks Old	13
4a	Average Gain in Weight of Birds at Three Weeks Old, Kilograms	14
4b	Analysis of Variance of Gain in Weight of Birds at Three Weeks Old	14
5a	Average Gain in Weight of Birds at Four Weeks Old, Kilograms	15
5b	Analysis of Variance of Gain in Weight of Birds at Four Weeks Old	15
6a	Average Gain in Weight of Birds at Five Weeks Old, Kilograms	16
6b	Analysis of Variance of Gain in Weight of Birds at Five Weeks Old	16
7a	Average Gain in Weight of Birds at Six Weeks Old, Kilograms	17
7b	Analysis of Variance of Gain in Weight of Birds at Six Weeks Old	17
8a	Average Gain in Weight of Birds at Seven Weeks old	18
8b	Analysis of Variance of Gain in Weight of Birds at Seven Weeks Old	18

Table	Page
9a Average Gain in Weight of Birds at Eight Weeks Old, Kilograms	19
9b Analysis of Variance of Gain in Weight of Birds at Eight Weeks Old	19
10a Average Cumulative Feed Consumption of Birds at One Week Old	22
10b Analysis of Variance of Cumulative Feed Consumption of Birds at One Week Old	22
11a Average Cumulative Feed Consumption of Birds at Two Weeks Old	23
11b Analysis of Variance of Cumulative Feed Consumption of Birds at Two Weeks Old	23
12a Average Cumulative Feed Consumption of Birds at Three Weeks Old	24
12b Analysis of Variance of Cumulative Feed Consumption of Birds at Three Weeks Old	24
13a Average Cumulative Feed Consumption of Birds at Four Weeks Old	25
13b Analysis of Cumulative Feed Consumption of Birds at Four Weeks Old	25
14a Average Cumulative Feed Consumption of Birds at Five Weeks Old	26
14b Analysis of Variance of Cumulative Feed Consumption of Birds at Five Weeks Old	26
15a Average Cumulative Feed Consumption of Birds at Six Weeks Old	27
15b Analysis of Variance of Cumulative Feed Consumption of Birds at Six Weeks Old	27
16a Average Cumulative Feed Consumption of Birds at Seven Weeks Old	28

Table		Page
16b	Analysis of Variance of Cumulative Feed Consumption of Birds at Seven Weeks Old	28
17a	Average Cumulative Feed Consumption of Birds at Eight Weeks Old	29
17b	Analysis of Variance of Cumulative Feed Consumption of Birds at Eight Weeks Old	29
18a	Average Feed Conversion Efficiency of Birds at One Week Old	32
18b	Analysis of Variance of Average Feed Conversion Efficiency of Birds at One Week Old	32
19a	Average Feed Conversion Efficiency of Birds at Two Weeks Old	33
19b	Analysis of Variance of Average Feed Conversion Efficiency of Birds at Two Weeks Old	33
20a	Average Feed Conversion Efficiency of Birds at Three Weeks Old	34
20b	Analysis of Variance of Average Feed Conversion Efficiency of Birds at Three Weeks Old	34
21a	Average Feed Conversion Efficiency of Birds at Four Weeks Old	35
21b	Analysis of Variance of Average Feed Conversion Efficiency of Birds at Four Weeks Old	35
22a	Average Feed Conversion Efficiency of Birds at Five Weeks Old	36
22b	Analysis of Variance of Average Feed Conversion Efficiency of Birds at Five Weeks Old	36
23a	Average Feed Conversion Efficiency of Birds at Six Weeks Old	37

Table		Page
23b	Analysis of Variance of Average Feed Conversion Efficiency of Birds at Six Weeks Old	37
24a	Average Feed Conversion Efficiency of Birds at Seven Weeks Old	38
24b	Analysis of Variance of Average Feed Conversion Efficiency of Birds at Seven Weeks Old	38
25a	Average Feed Conversion Efficiency of Birds at Eighth Weeks Old	39
25b	Analysis of Variance of Average Feed Conversion Efficiency of Birds at Eight Weeks Old	39
26	Monetary Return	41

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INTRODUCTION

Broiler production is definitely on the uptrend with the increasing demand for tender, high protein meat which broilers could provide. The recent development in poultry industry encourages raisers to seek new methods that can improve their production performance. Their desire for an increase production, however, was always faced by problems brought about by the triangular production factors namely management, animal and feed. Of these three, feeds and feeding concern them most, since it comprises 70-80% of the total production cost.

Today, researchers are concerned on the methods of feeding and the use of growth stimulants to increase the growth rate and reduce mortality in broiler production.