4085

636.4085 PPLEMENTATION OF COMMERCIAL HOG GROWER RATION WITH CASSAVA LEAF MEAL

THESIS

ANANIAS P. MOJICA JR.

Department of Animal Science DON SEVERING AGRICULTURAL COLLEGE

> Indang, Cavite Manch 1900

SUPPLEMENTATION OF COMMERCIAL HOG GROWER RATION WITH CASSAVA LEAF MEAL

A Thesis Submitted to the Faculty of the Don Severino Agricultural College Indang, Cavite

In Partial Fulfillment of the Requirements

for Graduation with the Degree of

Bachelor of Science in Agriculture

Major in Animal Husbandry

рх

ANANIAS PELLE MOJICA, JR.
March 1988

ABSTRACT

MOJICA, ANANIAS Y PELLE JR., Don Severino Agricultural College, Indang, Cavite, B.S. Thesis "Supplementation of Commercial Hog Grower Ration with Cassava Leaf Meal (CLM)." Adviser: Professor Camilo F. Guevara, Jr.

A total of sixteen (16) crossbred weanlings were fed with various levels of cassava leaf meal (CLM) to determine its effect on the performance of growing pigs and to ascertain the most effective level at which CLM can be incorporated in hog grower ration.

No significant differences were observed in gain in weight, feed consumption, feed efficiency and the Income Over Feed and Pig Cost (IOFPC) between the treatment means.

Results revealed that cassava leaf meal can be a good source of alternative feeds and can replace a portion of the hog grower mash to as much as 30% without affecting the ability of the animal to gain its weight normally. Incorporation in the ration somehow reduced cost of feeds to a certain extent, thereby giving slight increase to profit of the hog raiser.

TABLE OF CONTENTS

Page																					
iii	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	ATA	L Đ	CA	PH]	RA	BIO
iv	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	EN T	GM	LEI	IO!	ACKI
vi	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	CT	RA	ABS
viii	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	LES	'AB	F 1	١ (LIST
ix	•	•	•	•	•	•	•	•	•	•	•	•	•	•	S	ICE	EN D	PP	F A	: C	LIST
1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	ON.	CTI	UŒ	TRO	IN	
2	•	•	•	•	•	•	•	•	•	ìу	tu	S	he	t	of	ce (tan	or	Imp		
2	•	•	•	•	•	•	•	•	•	ly	tu	S.	he	t	of	es (tiv	ec	Ob;		
3	•	•	•	•	•	•	•	ly	tuc	S	he	t!	of	8	ac	Pla	and	ie	Tin		
4	•	•	•		•	•	•	3	JR	AT1	ER	IT.	L.	ED	AT:	REL <i>I</i>	OF	W	VIE	RE	
7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Y.	LOG	DO	THO	ME	
9	•	•	•	•	•	•	•	•	•	•	•	rs	UL!	ES'	R	OF	ION	SS	SCU	DI	
9	•	•	•	•	•	•	•	•	•	٠	•	•	•	ե.	zh '	Weig	al	ti	Ini		
10																Weig					
12																sump					
13	•	•	•	•	•	•		•	•	•	•	•	•	су	en(icie	eff	d	Fee		
14		•	•	•	•	•	•	•		•	٠					y .					
15				•	•	•	st [′]	Cos	z (Pi	r]	Pe:	a]	ee,	F	ver	e 0 [.]	om	Inc		
17																ONCI				SU	
17																• •					
18		•														n					
18																lati					
20																					BIBL
20	•	•	•	•	•	•	•	•	•	•	•	•	•								VDDE
J 1										_	•	•		•	•					14 I I	

LIST OF TABLES

Table		Page
1	Summary of Average Initial Weight (kg) of pigs/treatment	9
2	Summary of Average Monthly Cummulative Gain in Weight in kg	10
3	Summary of Average Monthly Cummulative Feed Consumption per Pig per Treatment	12
4	Summary of Average Monthly Cummulative Feed Efficiency per Pig per Treatment	13
5	Summary of Income Over Feed and Pig Cost (IOFPC) per Head	16

LIST OF APPENDICES

Appendix Table		Page
1	Analysis of Variance of Average Initial Weight (kg)	21
2 a	Analysis of Variance of Average Cummulative Gain in Weight (kg) at First Month Feeding Period	22
2ъ	Analysis of Variance of Average Cummulative Gain in Weight at Second Month Feeding Period	. 22
2c	Analysis of Variance of Average Cummulative Gain in Weight (kg) at Third Month Feeding Period	23
2 d	Analysis of Variance of Average Cummulative Gain in Weight (kg) at Fourth Month Feeding Period	23
3a	Analysis of Variance of Average Monthly Cummulative Feed Con- sumption per Pig per Treatment at First Month Feeding Period	24
3b	Analysis of Variance of Average Monthly Cummulative Feed Con- sumption per Pig per Treatment at Second Month Feeding Period	24
3c	Analysis of Variance of Average Monthly Cummulative Feed Con- sumption per Pig per Treatment at Third Month Feeding Period	25
3 a	Analysis of Variance of Average Monthly Cummulative Feed Consumption per Pig per Treatment at Fourth Month Feeding Period	25
4a	Analysis of Variance of Average Monthly Cummulative Feed Efficiency per Head per Treatment at First Month Feeding Period	26

Appendix Table		Page
4 b	Analysis of Variance of Average Monthly Cummulative Feed Efficiency per Head per Treatment at Second Month Feeding Period	26
4c	Analysis of Variance of Average Monthly Cummulative Feed Efficiency per Head per Treatment at Third Month Feeding Period	27
4 d .	Analysis of Variance of Average Monthly Cummulative Feed Efficiency per Head per Treatment at Fourth Month Feeding Period	27
5	Analysis of Variance of Income Over Feed and Pig Cost per Head (IOFPC)	28

SUPPLEMENTATION OF COMMERCIAL HOG GROWER RATION WITH CASSAVA LEAF MEAL 1

bу

ANANIAS P. MOJICA, JR.

Undergraduate Thesis presented to the faculty of the Don Severino Agricultural College, Indang, Cavite in partial fulfillment of the requirements for the degree of Bachelor of Science in Agriculture (BSA) major in Animal Husbandry. Contribution No. A.S. 87001-001. Prepared in the Department of Animal Science under the direct supervision of Professor Camilo F. Guevara, Jr.

INTRODUCTION

Due to the continuous jacking up of prices of conventional feedstuff, authorities in pork production encourage the supplementation of commercial ration with locally produced non-conventional feeds, like root crops, tubers and other grains during the fast few years. However, this scheme seem to work only for a short period. Prices of the above commodities also start to accelerate due to increased demand for human consumption and as its other domestic uses were developed. Hence, the cost of