

**GROWTH, YIELD AND SEED QUALITY OF THE SELECTED SOYBEAN
(*Glycine max* L.) VARIETIES UNDER ORGANIC CULTIVATION**

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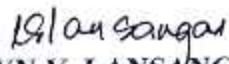

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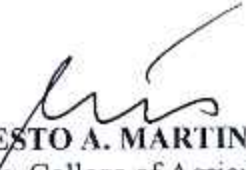
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TABLE OF CONTENTS

	PAGE
LIST OF TABLES	viii
LIST OF APPENDIX TABLES	x
LIST OF APPENDIX FIGURES	xii
ABSTRACT	xiii
INTRODUCTION	1
Importance of the Study	1
Statement of the Problem	4
Objective of the Study	5
Time and Place of the Study	5
REVIEW OF RELATED LITERATURE	6
Agronomic Characteristics of Soybean	6
Types of Soybean	6
Importance of Organic Fertilizer	7
Soybean as Foliar Fertilizer	8
Legumes grown using Organic Cultivation	9
Effects of Organic Cultivation on Soybean	10
Organic Regulation in the Philippines	11
Demand of Organic Soybean Products	15
Legumes grown using Organic Seeds	16
Differences between Organic & Non-Organics	16
Effect of Organic Manures in Nodulation and Yield of Soybean	19
Legumes in Lowland Rice-based Cropping System	20
MATERIALS AND METHODS	22
Varieties Used	22
Treatments and Experimental Design	23
Source of Organic Fertilizer	23
Collection of Soil sample and Analysis	23
Land Preparation	24
Planting	24
Thinning	24
Fertilizer Management	25
Water Management	25

Insects and Disease Management	26
Weed Management	26
Harvesting and Post-Harvest Operation	26
Harvesting and Threshing	26
Drying and Cleaning	27
Data Gathered	28
Statistical Analysis	30
RESULTS AND DISCUSSION	31
Agro-climatic Condition of the Area	31
Soil Analysis	32
Growth Parameters	33
Days to 50% Flowering	33
Days to maturity	34
Plant height at harvest	35
Length of pod	36
Number of seeds per pods	37
Total number of pods per plant	38
Number of filled pods per plant	39
Number of unfilled pods per plant	40
Yield Parameters	41
Weight of 100 seeds	41
Computed yield per ha (t)	42
Seed Quality Parameters	43
Weight of Class A	43
Weight of Class B	44
% of Class A seeds	45
% of Class B seeds	46
Seed Germination of Class A	47
Seed Germination of Class B	47
SUMMARY, CONCLUSION AND RECOMMENDATION	49
LITERATURE CITED	52
APPENDICES	60

LIST OF TABLES

TABLE		PAGE
1	Monthly average weather data from December 2018 to April 2019	31
2	Soil fertility level of the experimental area	32
3	Number of days to 50% flowering of selected soybean varieties under organic cultivation	33
4	Number of days to maturity of selected soybean varieties under organic cultivation	34
5	Average plant height at harvest of the selected soybean variety under organic cultivation.	35
6	Average length of pod of the selected soybean variety under organic cultivation	36
7	Number of seeds per pod of the selected soybean variety under organic cultivation	37
8	Total number of pods per plant of the selected soybean variety under organic cultivation	38
9	Number of filled pods per plant of the selected soybean variety under organic cultivation	39
10	Number of unfilled pods per plant of the selected soybean variety under organic cultivation	40
11	Weight of 100 seeds in grams of the selected soybean variety under organic cultivation	43
12	Computed yield per ha of the selected soybean variety under organic cultivation	44
15	Weight of class A of the selected soybean variety under organic cultivation	45
16	Weight of class B of the selected soybean variety under organic cultivation	46

17	Percentage of class A of selected soybean varieties under organic cultivation	47
18	Percentage of class B of the selected soybean varieties under organic cultivation	48
19	Seeds germination class A of the selected soybean varieties under organic cultivation	43
20	Seeds germination class B of the selected soybean varieties under organic cultivation	44

LIST OF APPENDIX TABLES

APPENDIX TABLE		PAGE
1	Analysis of variance on the number of days to 50% flowering of selected soybean varieties under organic cultivation.	61
2	Analysis of variance on the number of days to maturity of selected soybean varieties under organic cultivation.	61
3	Analysis of variance on the average plant height at harvest of the selected soybean variety under organic cultivation.	61
4	Analysis of variance on the average length of pod of the selected soybean variety under organic cultivation.	62
5	Analysis of variance on the number of seeds per pod of the selected soybean variety under organic cultivation.	62
6	Analysis of variance on the total number of pods per plant of the selected soybean variety under organic cultivation.	62
7	Analysis of variance on the number of filled pods per plant of the selected soybean variety under organic cultivation.	63
8	Analysis of variance on the number of unfilled pods per plant of the selected soybean variety under organic cultivation.	63
9	Analysis of variance on the weight of 100 seeds in grams of the selected soybean variety under organic cultivation.	63
10	Analysis of variance on the weight of Class A of the selected soybean variety under organic cultivation.	64
11	Analysis of variance on the weight of Class A of the selected soybean variety under organic cultivation.	64
12	Analysis of variance on the computed yield per ha of the selected soybean variety under organic cultivation.	64
15	Analysis of variance on the percentage of Class A of selected soybean varieties under organic cultivation.	65
16	Analysis of variance on the percentage of Class B of the selected soybean varieties under organic cultivation.	65
17	Analysis of variance on the seeds germination Class A of the selected soybean varieties under organic cultivation.	65

- 18 Analysis of variance on the seeds germination Class B of the selected soybean varieties under organic cultivation. 66

LIST OF APPENDIX FIGURES

APPENDIX FIGURE	PAGE
1 <i>Experimental Lay-out</i>	68
2 <i>Land Preparation</i>	69
3 <i>Fertilizer Application</i>	69
4 <i>Planting</i>	70
5 <i>Water Management</i>	70
6 <i>Insect and Disease Management</i>	71
7 <i>Foliar Application</i>	71
8 <i>Plant Height Measurement</i>	72
9 <i>Harvesting</i>	72
10 <i>Moisture Content Testing</i>	73
11 <i>Seed Grading</i>	73
12 <i>Seed Germination Test</i>	74

ABSTRACT

PENEYRA, KASTEL MAY F., Department of Crop Science, College of Agriculture, Central Luzon State University, Science City of Muñoz, Nueva Ecija, Philippines, **June 2019, GROWTH, YIELD AND SEED QUALITY OF THE SELECTED SOYBEAN (*Glycine max* L.) VARIETIES UNDER ORGANIC CULTIVATION**

Adviser: PROF. CHARLITO R. JUICO, M.Sc.

This study on the growth, yield and seed quality of the selected soybean (*Glycine max* l.) varieties namely; CLSOY-1 (SJ-2), Black Soybean, Tiwala 4 and Tiwala 6 under organic cultivation was conducted.

Results revealed significant differences on days to flowering and maturity, plant height, length of pod, number of pods per plant, number of filled and unfilled pods, weight of 100 seeds, weight of Class A & B seeds, computed yield/ha, seed shapes both length & width and percentage of Class A & B. However, no significant variations were recorded on the number of seeds/pods and seed germination of Class A & B.

Generally, CLSOY-1 showed a better performance under organic cultivation than the rest of the varieties evaluated. Black Soybean with slightly inferior seed quality performance, has high percentage of Class B seeds, compared to the control which deserves consideration because of its known health benefits as strong anti-oxidant especially when grown under organic cultivation.

Keywords: CLSOY-1; Black Soybean; Tiwala 4; Tiwala 6; organic fertilizer

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