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

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## ACCEPTANCE SHEET

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## BIOGRAPHICAL SKETCH

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## 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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