

**ORGANIC AND INORGANIC FERTILIZATION IN WATERMELON (*Citrullus
lunatus* L.)**

DON EVANGELISTA MIGUEL

An undergraduate thesis manuscript presented to the faculty of the Department of
Crop Science, College of Agriculture in partial fulfillment of the
requirements for the degree of Bachelor of Science in
Agriculture major in Crop Science

**BACHELOR OF SCIENCE IN AGRICULTURE
(Crop Science – Horticulture)**

JUNE 2017

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BIOGRAPHICAL SKETCH

The author, **DON EVANGELISTA MIGUEL**, was born in August 22, 1996 at Brgy. Matimbubong, San Ildefonso Bulacan, Nueva Ecija Philippines. He is the eldest son among the three children of Mr. Willie Mercaida Miguel and Mrs. Marivic Evangelista Miguel.

He finished his elementary and secondary education at Saint John school. He was a consistent taekwondo player during his elementary and secondary education wherein he achieved several medals in different national competitions. He continued it until college wherein he gained his full scholarship during his first three college years. He was active in participating in different competitions and tournaments as a varsity player during his entire college years. To mention few of his achievements, he had won a silver and bronze medal in Regional SCUAA back in 2015 and 2017, respectively. He also won several medals representing College of Agriculture in every annual University Intramurals.

He pursued a degree of Bachelor of Science in Agriculture major in Crop Science with Horticulture as a field of specialization in Central Luzon State University. After graduating, he is persevered to immediately pursue his master's degree, in the same university.

ACKNOWLEDGMENT

At this moment of accomplishment, it is my honor to express my sincere appreciation to the special number of people who contributed to the success of this study. First and foremost, I would like to give my deepest gratitude to my guide; **Dr. Constancia C. Dacumos**. This work would not have been possible without her guidance, advice and support all throughout this study. I am truly grateful that I became one of her first ever thesis advisees. I successfully overcame many difficulties I encountered along the journey of my work with all her help and valuable suggestions. I am also extremely indebted for she provided herself and allowed me to use one of her research farm which made my thesis setting easier to visit.

I would also take this opportunity to thank my critic, **Mrs. Joan A. Bayla** who pointed out and corrected my mistakes and misknowledge in this study and also, to all the panelists who were able to witness and to listen to my thesis presentation. This was never being completed without all of your respected approval.

Of course, special thanks to my family especially my parents who wholeheartedly provided me the moral, emotional and financial support I needed in this study. Words cannot express how grateful I am for all your sacrifices, prayers and support you all gave me. I thank you both for never stop believing in what I am capable of.

I would also like to thank the special person in my life, **Ms. Ganiela Kathleen M. Catapia**, for supporting me in everything that I do. I cannot thank you enough for sharing

your ideas and for helping me with technical works. Your encouragement throughout this experience is beyond appreciated. Thank you as well for believing in me.

I cannot forget to mention my bullish and conducive classmates, batch mates and friends who became part of my shortcomings and struggles I encountered in this study. The moral support and words of encouragement boosted my confidence and faith to keep on continuing to strive in order to reach this accomplishment. Thank you and congratulations to all of us.

Last but never the least, I thank God, for guiding and helping me get through all the difficulties I encountered both in my thesis work and personal life. It was never easy to balance my academics and personal problems but Your guidance day by day let me surpassed all these and pushed me to accomplish this work. You are my Lord and I will keep on trusting You. Thank You, Lord.

DON EVANGELISTA MIGUEL

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ABSTRACT

A field experiment was conducted to determine the growth and yield of watermelon production under organic and inorganic nutrient management. The different treatments applied were: T1 – Control No fertilizer, T2 – Recommended Rate of Organic Fertilizer (RROF), T3 - Recommended Rate of Inorganic Fertilizer, T4 - 50% RRIF + 50% RROF, T5 - 75% RRIF + 25% RROF and T6 - 25% RRIF + 75% RROF.

Results of the experiment revealed that watermelon plant with the longest vine, most number of leaves, largest fruits, sweetest fruits, highest yield and highest return on income were obtained from 75% recommended rate of inorganic fertilizer (RRIF) + 25% recommended rate organic fertilizer (RROF) compared to other treatments evaluated.

¹Undergraduate thesis manuscript to be presented as partial fulfilment of the requirement for graduation with the degree of Bachelor of Science in Agriculture, Major in Crop Science conducted at the farmer's field in Bantug, Science City of Munoz Nueva Ecija, Department of Crop Science, College of Agriculture, Central Luzon State University, Science City of Munoz, Nueva Ecija, under the supervision of Dr. Constanca C. Dacumos with Research Contribution No. CA-04-17-0011

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