

# FERTILIZER

## TECHNOLOGY MANAGEMENT



by  
**DOMENIC T. SANCHEZ, Ph.D.**

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## Technology Management

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## **Preface**

Have you ever wondered how plants grow? What makes them so strong and healthy? The answer is simple: fertilizers. For plants, fertilizers provide the essential nutrients they need to grow and thrive, leading to healthier plants that are more resistant to pests and diseases, which can influence larger, more bountiful harvests. For people, fertilizers help to ensure that we have enough food to eat. They also help to improve the quality of food by increasing the levels of essential nutrients, which can positively impact our health, as it can help reduce the risk of nutrient deficiencies. In short, fertilizers are a miracle for plants and people.

I have always enjoyed gardening and am fascinated by fertilizers' effect on plant growth and development. I remember being amazed at how quickly a plant grew and how healthy it got. Numerous sorts of fertilizers are available, each with its advantages. Some fertilizers would make plants develop quickly for food, while others are formulated to let plants produce more flowers and fruits.

This book, *Fertilizer Technology Management*, highlights the role of fertilizers in sustainable agriculture. It provides readers an overview of the benefits, risks, and how to safely and responsibly handle fertilizers. Also, it is written to serve as reference learning material for Agri-Fishery 1 & 2 subjects for my Bachelor in Technology and Livelihood Education program students.

I hope this humble work will be a valuable learning resource for everyone. Let us grow healthy and beautiful plants while protecting the environment.

D.T.S  
April 15, 2023

## ABOUT THE AUTHOR



*Dr. Domenic T. Sanchez worked as a visual/graphics artist in 2001 at the Gaisano South Department Store. He prepared commercial signages, banners, and graphic materials right after earning his Bachelor's degree in Secondary Education major in Technology and Home Economics, specializing in Drafting Technology. He began teaching in 2002 as HELE (Home Economics and Livelihood Education) and THE (Technology and Home Economics) teacher to grades 4 to 6 pupils and 1<sup>st</sup> to 4<sup>th</sup>-year students at the Little Angels Montessori School Mandaue City. That year he took and passed the Teacher's Licensure Exam. In 2003, he became a faculty member of St. Scholastica's Academy as CAT Commandant, Art club moderator, and Drafting Teacher under the guidance of the Benedictine Sisters.*

*From 2005-2013, he served as a Drafting teacher and CAAdT/NSTP Commandant at The Sisters of Mary School in Minglanilla, Cebu. After over a decade of dedicated service and commitment to private institutions, he entered government service at the Department of Education City of Naga in 2013, handling TVE (Technical-Vocational Education) and Technical Drawing subjects. His passion and motivation for sports sent him to different local and national competitions as a trainer, coach, and officiating official for Arnis. His players have earned several medals and recognition. Despite all academics and co-curricular responsibilities, he pursued and completed his Master's degree in Vocational Education in 2016. To further his personal and professional growth, he moved to the tertiary level in 2017, particularly at Cebu Technological University Naga Extension Campus, where he taught professional and major subjects in BSED TLE under the College of Education. He finished his Doctorate in Technology Management in 2019. He has authored, co-authored, and reviewed research articles published in international journals under Scopus, Web of Science, and other sterling indexations. He is a recipient of several awards and recognitions, such as 2021 National Awardee as Writer of the Year (3<sup>rd</sup> Instabright Awards for Educators), 2021 Outstanding Awardee in Research and Development University- Wide Scientific Publication, 2022 National Awardee as Writer and Researcher of the Year (4<sup>th</sup> Instabright Awards for Educators), 2022 Scientific Publication Awardee University-wide Praise and Tap, 2023 Global Excellence Awardee in the Field of Education (Instabright International Guild of Researchers and Educators Inc.), and 2023 Outstanding Writer of the Year of Pinagpala Publishing Inc. National Book Awarding. He is an Arnis de Caballes Master, Arnis Balintawak instructor, and ARPhil (Arnis Philippines) coach and trainer. Sir Domz, as his friends and students fondly call him, is pleased to guide, share, and teach his knowledge, skills, and expertise as a mentor in curricular and co-curricular activities.*

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#### RESEARCH PRESENTATION

- Containerized Okra (Ladies' Fingers, *Abelmoschus Esculentus*): Organic Fertilizers Result For Growth. International Integrated Research Conference October 16-18 and October 23-25, 2020

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