APPLICATION OF CARBONIZED CHICKEN DUNG SUPPLEMENTED WITH NITROGEN FERTILIZER ON FINGER PEPPER
(Capsicum frutescens L.*)*

MICKO CHRISTOPHER T. OCAMPO

An undergraduate thesis manuscript presented to the Faculty of the
Department of Crop Science, College of Agriculture
in partial fulfilment of the requirements
for the degree

BACHELOR OF SCIENCE IN AGRICULTURE
(CROP SCIENCE – HORTICULTURE)

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BIOGRAPHICAL SKETCH

The author, Micko Christopher T. Ocampo, was born on November 25, 1995 in Cabanatuan City, Nueva Ecija. He is the second child of the two sons of Ms. Angela Ocampo.

He studied his Nursery and Preparatory Course in Great Values Learning Center, Cabanatuan City. He finished his Elementary Education in Cabanatuan Confucius School, Cabanatuan City and graduated his High School Education at Good Samaritan College, Cabanatuan City. He pursue his College Education at Central Luzon State University located at Science City of Munoz, a premiere school in the field of agriculture. The author took up Bachelor of Science in Agriculture, major in Crop Science with Horticulture as his field of specialization.

During his college days, he joined the CLSU Green Crusaders and Society of Crop Science Majors (SCSM).

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Micko Christopher Ocampo

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by

MICKO CHRISTOPHER T. OCAMPO

ABSTRACT

A field study was conducted to determine the effect of CCD with and without the supplement of urea as source of inorganic nitrogen fertilizer in the production of finger pepper (*Capsicum frutescens* L.).

The different treatments used were: T1- 0 kg ha^{-1} (CCD) + 0 kg ha^{-1} urea, and T2- 0 kg ha^{-1} (CCD), T3- 75 kg ha^{-1} (CCD) + 200 kg ha^{-1} urea and T4- 75 kg ha^{-1} (CCD, T5- 150 kg ha^{-1} (CCD) + 200 kg ha^{-1}urea and T6- 150 kg ha^{-1} (CCD) and T7- 225 kg ha^{-1} (CCD) + 200 kg ha^{-1}urea and T8- 150 kg ha^{-1} (CCD). The study was arranged in Randomized Complete Block Design (RCBD) with three replications. The fertilizer requirement based on STK was 120-90-60 kg N, P_2O_5, k_2O ha^{-1}

Results of study revealed that CCD with inorganic nitrogen fertilizer supplement in the form of urea influenced the production of finger pepper

In general, all the parameters evaluated such as number of days to flower and harvest, height at flowering stage, length and diameter of fruit, number of fruiting branches at last priming, number of harvested fruits, and yield were increased with CCD with and without N supplement (T3, T5, and T7)

Furthermore, partial budget analysis revealed lowest amount of CCD with Nitrogen supplementation (75 kg ha^{-1} CCD + 200 kg ha^{-1} CCD + 200 kg^{-1} urea) gave highest net income (Php 755,500.00) and ROI (1.697%) having a fertilizer grade of 92-16-14 N, P_2O_5, K_2O kg ha^{-1}.

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