

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

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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.

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

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**APPLICATION OF CARBONIZED CHICKEN DUNG (CCD)
SUPPLEMENTED WITH NITROGEN FERTILIZER ON
FINGER PEPPER (*Capsicum frutescens* L.)¹**

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, P₂O₅, K₂O 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, P₂O₅, K₂O kg ha⁻¹.

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