

Effect of GREENTEC Organic Fertilizer on the Yield of Pechay (*Brassica chinensis*)

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ABSTRACT

This study was conducted in the farmer's field of Barrio Pampanga, Lanang, Davao City from the period February to April 2001. It aimed to generate information on the agronomic effectiveness of 20 bags per hectare GREENTEC organic fertilizer and to evaluate the growth and yield response of pechay to different rates and combinations of GREENTEC organic and inorganic fertilizers.

Results showed that growth of pechay in T5 (20 bags per hectare of GREENTEC organic fertilizer alone) was comparable to that in T2 (Amorphous – 3 bags/ha + Ammosul – 12 bags/ha + Muriate of Potash – 0.5 bags/ha), T3 (Amorphous – 1½ bags/ha + Ammosul – 6 bags/ha + Muriate of Potash – 0.5 bag/ha; T4 (T3 + T5) and T6 (T2 + T5) but much higher compared to T1 (no fertilizer). The yield of pechay in T5 was comparable to that of T2 and T3 but significantly higher compared to the yield of pechay in T1. By mixing 20 bags GREENTEC organic fertilizer per hectare with inorganic fertilizer rates in T2 and T3, highly significant increase in yield of pechay was observed (T6 and T4).

INTRODUCTION

Generally, organic fertilizers improve soil structures, increase nutrient output and contribute to the balance of soil ecosystem. This has to be considered in agricultural soils to put crop production in sustainable and dependable status. Thus, the Department of Agriculture is continuously encouraging, and even subsidizing, farmers to use organic fertilizer.

GREENTEC organic fertilizer is locally produced by Greentec Industries. It is a new emerging product made of highly decomposed farm wastes plus added enzymes. This product is believed to perform actively similar with other tested organic fertilizers in increasing yield of vegetable crops like pechay. This trial was purposely conducted to evaluate the effectiveness of GREENTEC organic fertilizer.

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