

Title The efficiency of bio fermented cow manure, chicken manure, bat to the development of growth, yield and quality of watermelon grown in organic systems.

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Abstract

Efficacy of fermented cow manure from chicken, bat droppings. to the development, growth and output quality watermelons grown in organic systems the experimental design was complete (completely randomized design CRD) consisting of four consists of four treatment process at 1 (T1) plot size 1.30 × 3 meters Fertilizer (Control) treatment 2 (T2) plot size 1.30 × 3 m fertilizer fermented from cow dung 1 liter / conversion processes 3 (T3.) plot size 1.30 × 3 meters from fermented chicken manure fertilizer 1 liter / conversion processes 4 (T4) to 1.30 × 3 m in size treatments over four trials found that the bio-fermentation of manure fertilizer 1 liter in volume that is a reasonable rate of watermelon the bio-fertilizer from chicken manure with nitrogen bio degrades faster plants to absorb nutrients easily available to take advantage of the plant macronutrients as a result of watermelon larger and far more weight the sweetener, compared to high fertilizer fermented from bat guano fertilizer and bio-fermentation from cattle dung 1 liter in volume yield cow manure, chicken manure and bat no statistically significant difference (p> 0.05)

Keyword : watermelon association jintara, fermented from cow manure, bio-fermentation of manure, bio-fermentation from bat guano