

INTISARI

Penelitian bertujuan untuk mendapatkan imbangian yang tepat antara pupuk NPK organik dan pupuk NPK anorganik dalam budidaya jagung manis di tanah regosol.

Penelitian dilakukan menggunakan metode percobaan faktor tunggal yang disusun dalam rancangan acak lengkap. Perlakuan yang diujikan adalah imbangian takaran pupuk dasar NPK organik dan NPK anorganik yang terdiri atas 6 aras yaitu 100% NPK anorganik + 0% NPK organik; 80% NPK anorganik + 20% NPK organik; 60% NPK anorganik + 40% NPK organik; 40% NPK anorganik + 60% NPK organik; 20% NPK anorganik + 80% NPK organik; dan 0% NPK anorganik + 100% NPK organik.

Hasil penelitian menunjukkan bahwa semua perlakuan merupakan imbangian yang tepat untuk diaplikasikan ke jagung manis. Pupuk dasar NPK organik dapat menggantikan NPK anorganik sampai dengan 100 %.

Kata kunci : jagung manis, imbangian, pupuk organik, pupuk anorganik.

ABSTRACT

The aims of this research was to obtain the precise balance between NPK organic fertitizer and NPK anorganic fertilizer in cultivation sweet corn in regosol.

The research was conducted using a single factor experimental method with arranged in a Complete Randomize Design. The treatment was the balance of the dose of organic NPK fertilizer and anorganic fertilizer consisting of 6 levels, i.e, 100% NPK anorganic + 0% NPK organic; 80% NPK anorganic + 20% NPK organic; 60% NPK anorganic + 40% NPK organic; 40% NPK anorganic + 60% NPK organic; 20% NPK anorganic + 80% NPK organic; and 0% NPK anorganic + 100% NPK organic.

The results of this research showed that all treatments were the precise balances to applied in sweet corn. NPK organic fertilizer was able to replace NPK anorganic fertilizer up to 100 %.

Keywords :sweet corn, balance, organic fertilizer, anorganic fertilizer