

Trial of the Fertilizer Requirement for Muskmelon in Penghu

K. W. Cheng and T. C. Shih¹

ABSTRACT

Experiments were carried out during the summer crop seasons for two year in Penghu for determining the fertilizer requirement for growing muskmelon covered by PE plastic sheets and irrigated with drip pipes under field conditions. Results showed that the suitable amounts of fertilizer were 150 kg/ha of N, 150 kg/ha of P_2O_5 , and 100 kg/ha of K_2O which can save one third of fertilizer compared to conventional amounts. Also, the effect of potassium chloride was better than that of potassium sulfate.

1. Associate Agronomist and Director, and Assistant, Penghu Branch Station, Kaohsiung District Agricultural Improvement Station, respectively.