

ANALYSIS OF EFFECT OF NPK FERTILIZER ON  
THE YIELD OF MAIZE

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## ABSTRACT

High and sustainable crop yields in the tropics have been reported to be only possible with judicious combination of mineral fertilizers and organic amendments. Fertilizing cropping to achieve this has usually been a difficult task to achieve. The growth and yield of maize cultivated with a complementary application of organic and inorganic fertilizer was assessed compared with sole organic and sole inorganic fertilizers between April and July 2003 and 2004 at Ibadan, Nigeria, in the degraded tropical rain forest zone. The organic fertilizer was an equal mixture of composted domestic waste and stale cow dung, applied at 10 tones/ha-L

Factorial design analysis was employed in the analysis of the data. This is because it took care of all possible effects of the factors and their interactions.

Fertilizer (NPK) application might not be needed so far its effect is not significantly different for the varieties.