

**ANALYSIS OF THE EFFECT OF FERTILIZER ON  
THE YIELD OF MAIZE  
(YELLOW MAIZE AS A CASE STUDY**

**BY**

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## ABSTRACT

This project analyses the effect of Germplasm which were developed by the international institute of agriculture (IITA) on yields of mid - altitude maize when they were applied on different locations in Nigeria. The location under consideration are ABEOKUTA – F, ABEOKUTA – G, I.A.R & T-1, I.A.R & T-2, SAMINAKA AND WAMACO. After several analyses and tests, these were my findings;

From the analyses, we fail to reject the null hypothesis  $H_0$  and conclude that there are no significant difference in the effects of the germplasm fertilizers, since the  $p$  – value is greater than 0.05 at 5% significant level. But we reject the null hypothesis  $H_0$  of locations since the  $p$  – value is less than 0.05 which implies that there is significant difference in the yields of maize due to different locations.

It was also found that the yields of mid- altitude maize in location A, E and F are different from those of location B, C and D. Using the least significant approach to separate the means.