



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_12254
Title of the Manuscript:	Nitrogen (N) and Phosphorus (P) Fertilizer Application on Maize (Zea mays L.) Growth and Yield Performance at Ado-Ekiti, Southwest Nigeria
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Title: Title should be modified and reads like the following: - Growth and Yield Performance of Maize (<i>Zea mays</i> L.) as affected by Nitrogen and Phosphorus Fertilizer application at Ado-Ekiti, South-west Nigeria. Abstract: - It has to have a problem statement and needs to end with a recommendation. Materials and Methods: - Please, approach the concepts introduced in this section to paper goals; - the references are old, please mention recent papers.	It has been modified, though we used to write South western, Nigeria. Problem statement has been included: Nutrient depletion as a result of continuous cultivation without supplementary addition of external inputs is a major challenge to agricultural productivity in South-west Nigeria



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	- did the authors used one-way or two-way ANOVA in the analysis of the data? this is a very important point that must be clarified and mentioned in the legend of each table; - Authors should include LSD and CV values in Tables. - If there are variables that have been transformed, please indicate which in each table and the transformation used; Results and Discussion: - The physical and chemical properties of soil of the study site prior to cropping were given, but which standard methods were used for analysis of the parameters? Please indicate the methods along with their standard procedures. - Which is the effect of N fertilization and its relationship with the addition of P to the soil?	Two-way ANOVA was used for the analysis and the treatment means were separated using DMRT, Since DMRT was used, I don't think it will be necessary to include LSD. Means and standard error is what I used and I think it is appropriate. Indicating the procedure for determination of each of the Soil parameters will be voluminous and that's the reason I have indicated the methods.
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<u>Minor</u> REVISION comments	- Review in the text and tables writing "ns", often as NS. - Check the reference list again.	
<u>Optional/General</u> comments	- In my opinion the paper lacks a necessary biological insight to satisfy the interest for readership hence it is necessary to clarify in detail all the methodological and statistical aspects. Its methodological and statistical aspects are very poor and needs to be re-written again. - Another aspect that the authors do not mention is the interrelation between the P and N fertilization and the retention of both nutrients in the soil. I particularly think that the authors should justify seriously about phosphorus ecological implications that could have on the edaphic environment.	N and P interaction was indicated and discussed.