



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)
<u>Compulsory</u> REVISION comments	Methodology section: Author needs to explain that treatments also include a combination of N and P. This is not mentioned in the methodology, but it comes out in the results section Line 103: clearly mention that the statistical package used, not simply statistical analysis system. Results section: Some results are simply presented with no discussion or explanation e.g leaf number, ear height, need to beef up the explanations/discussion to make the section more stronger Table 2: complete the table , separate means for leaf area under N Some results are simply presented without mentioning the table where to find them Section 3.3: no reference is made to any table anywhere in the section References: are not uniformly presented, no consistent with journal style - For example reference no.4 and 28 are all written with full names and no initials as in the other references - Some journals are in full , others abbreviated, other in italics , others not italicised - For some references the order of abbreviated names is before the surnames in others abbreviated names are after the surnames	The N and P combination is what I refer to as possible combination in the abstract and it was clearly indicated in the materials and methods under sub section 2.3. Mean for leaf area has been corrected It has been corrected All tables are mentioned in each of the sub-sections.
<u>Minor</u> REVISION comments	See section AT THE END OF THE FORM for other comments	



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	OTHER MINOR/MAJOR /GENERAL COMMENTS DETAILED BELOW - Title: remove the word “performance” after yield - Line 8: delete the s on effects - Line 9: delete were and replace with the word was - Line 10: Insert the word south west Nigeria after , ado-Ekiti - Line 10 and 11: re-write the sentence to read as, The treatments consisted of i) N at 0, 30, 60, 90kg N/ha, ii) P at 0, 11 15, 30, 45kg P/ha and iii) combination of N and P arranged in a randomized complete block design each with three replicates - Line 12: insert 100 before seed weight to read as 100 seed weight - Line 13: remove comma after stem diameter and replace with the word and - Line 14: the sentence should read “.....fertilizer rate increased” not fertilizer rate increase. - Line 20: the key word, growth could be replaced with another specific parameter such as grain yield, leaf area - Line 26, delete the word which - Line 40: delete the comma after the word so /line 42: delete the comma after the word hence - Line 46: insert reference after the word production - Line 55: delete the word of after responses - Line 59: delete s from effects - Line 71: double Full stop - Line 108: is it 3.61g kg-1 organic carbon or .3.41 kg-1 organic carbon? - Line 110” is it 4.56 mg.kg-1 available P or 5.60 mg.kg-1 available P? - Line 110: delete the words for 2010 and - Line 128: the word increased growth should read	All the suggestions and corrections has been effected
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	increase growth 21. Line 129/130/131: the sentence should read as BELOW: Law-Ogbomo and Law-Ogbomo [25] reported that in <i>Zea mays</i>, plant height was increased with successive increment in NPK fertilizer application rate up to 600 kg / ha. 22. Line 131/132/133: the sentence should read as below: delete Stem girth, leaf area and number of leaves also increased significantly (P=0.05) with N application to maximum values of 2.92cm, 133 692cm² and (missing number of leaves) respectively 23. Line 133: delete s from applications 24. 24. Line 134: replace the word values with application rate of 25.line 148: add s on components 26. Line 159: replace maximum with highest 27. line 162: insert N after 90 kg/ha 28. line 163: delete comma after also, need to expand the discussion to explain section 3.3 29. Line 165: introducing the use of 100 grain weight versus 100 seed weight , maintain one of them all through 30. section 3.4 no reference is made to the table in this section 31. line 169 : should read it increased up to 30 kg/ha 32. line 171: is it 1000 or 100? 33. line 185/186, need to explain the results	
<u>Optional/General</u> comments		