



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_12699
Title of the Manuscript:	NITROGEN-USE EFFICIENCY AND ASSIMILATE PARTITIONING FOR GRAINYIELD IN SELECTED MAIZE INBRED LINES (<i>Zea mays</i> . L.) GENOTYPES
Type of the Article	Original research paper

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	Modification of article title. 3. Change to "Nitrogen Use and Assimilate Partitioning Ability for Grain Yield Production in Some Selected Maize (<i>Zea mays</i> L.) In-bred Lines Genotypes." Reason: Because you set up the experiment under natural soil conditions without the application of nitrogen fertilizer to maize genotypes. Hence, do not say Nitrogen Use Efficiency but rather Nitrogen Use. From your result the figures you had for the nitrogen parameter (LEAF AND STEM) is not on efficiency basis but rather percentage nitrogen as determine in plant samples by the Kjeldahl method. For your information Nitrogen Use Efficiency is related to TOTAL DRY BIOMASS YIELD AND RATE OF APPLICATION.	I agreed with the title modification but will more better if I remove the production from it. So it will be "Nitrogen Use and Assimilate Partitioning Ability for Grain Yield in Some Selected Maize (<i>Zea mays</i> L.) Inbred Lines Genotypes." NOTE: the inbred as inbred not in-bred.
<u>Minor</u> REVISION comments	Omissions Wrong placement words Wrong use of tenses Definition of terms in equation ABSTRACT 9. Change N to n (repeated throughout) 10. Change chemical fertilizer to "nitrogen base fertilizer" 15. Change day to green harvest to "days to grain harvest"	



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	23. High performance in terms of what? Further indication? 24. Low performance in terms of what? Further indication? INTRODUCTION 46. Put is between 78 % and in. 48. Change matters to materials 57. Change chemical fertilizers to “ nitrogen base fertilizers” MATERIALS AND METHODS 65. Bold MATERIALS AND METHODS 68. Put space between figures and units e.g. 33 °C, 78 %, > 1000 mm etc. 71. Add s to replicate 71. in a randomised complete block design should replace what is in the text. 80. Use equation editor 3.0 to re-write the equation and define the terms accordingly. RESULTS AND DISCUSSIONS 85. Bold RESULTS AND DISCUSSIONS 91. Which revealed that not it is revealed!!! 91. Replace has with had. 101. Put the between that, and plants. 108. Put the between had and highest. 113. Separate “ heightandnumber” like this height and number. 115. Separate “ weightandcob” like this weight and cob 217. Put % after TNU. CONCLUSION 137. Bold CONCLUSION 140. Replace chemical fertilizer with nitrogen base fertilizer REFERENCES 146. Bold REFERENCES 231. Put space drymatter like this dry matter	
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	256. Replace is with was. 256. Change $p=0.05$ to $p \leq 0.05$ this should be done throughout the RESULTS AND DISCUSSION section.	
<u>Optional/General</u> comments	Very Good Research Findings which will go a long way to address the issue of high amount of nitrogen basefertilizer use for maize production. Further testing of these maize genotypes in other agro- environment shall also contribute a lot to adaptation by farmers for production purposes. I will also suggest to the authors to test maize genotypes (5012, SW1, SW6 and SW6) in different west African countries to check on their performance. Doing this will spread the genotypes across neighbouring countries in the sub-region. Good work by all standards. Well written paper. Keep doing the good work to help increase agriculture productivity in Africa.	All the stated corrections has been done accordingly and the corrected sections highlighted with yellow colour in the manuscript