

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_121936
Title of the Manuscript:	Combining ability in maize (Zea mays) for grain yield
Type of the Article	

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PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	Line x Tester analysis is one of the most powerful tools for estimating the general combining ability (GCA) of parents and selection of desirable parents and crosses with high SCA for the exploitation of heterosis. The results of the present study identified that inbred lines with good GCA and cross combinations with desirable SCA for the traits studied. This indicates the possibility of developing desirable cross combinations and synthetic varieties through crossing and or recombination of inbred lines with desirable traits of interest. Furthermore, promising cross combinations identified in this study could be utilized for future breeding work as well as for direct release after confirming the stability of their performances observed in the present study. Hence, the information from this study may possibly be useful for researchers who would like to develop high yielding varieties of maize.	
Is the title of the article suitable? (If not please suggest an alternative title)	No. I suggest to re-write the title as "COMBINING ABILITY ANALYSIS OF NEW WHITE MAIZE INBRED LINES FOR GRAIN YIELD AND YIELD RELATED TRAITS USING LINE X TESTER METHOD"	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	Not upto the mark. The authors did not follow any sequence in abstract.	
Are subsections and structure of the manuscript appropriate?	Subsections and structure of the manuscript are not appropriate. In materials and methods, they should follow these subsections as: 1. The Experimental Materials 2. Experimental Site 3. Design and Experimental managements 4. Data Collected 5. Statistical Analysis In Results and discussion, they should follow these subsections as: 1. Analysis of Variance (ANOVA) 2. Mean Performance of Genotypes 3. Estimates of general combining ability effects 4. Estimation of specific combining ability	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	This manuscript is not scientifically robust and technically sound. In Introduction, the authors did not mention the importance of their study. Materials and methods needs well organized. Results and discussion part are poor writing. In every trait, they should show result for GCA and SCA. They should include more discussion.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are not sufficient and recent. Recent and more references related to topic should be included in the introduction and discussion section.	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language/English quality of the article is not suitable for scholarly communications. Maximum sentence making is not correct.	
<u>Optional/General</u> comments	This manuscript can be published after a major revision.	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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