

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_123681
Title of the Manuscript:	EXPLORING THE GENETIC OF HEAT STRESS TOLERANCE FOR YIELD ATTRIBUTING TRAITS IN TROPICAL MAIZE (Zea mays L.)
Type of the Article	Original Research Article

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PART 1: Review Comments

Compulsory 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.	Maize is a commercial crop of great importance for the future. Increasing global warming is adversely affecting grain yield and this needs to be addressed. This manuscript is essential as it helps in identifying the elite genotypes to heat stress conditions for incorporating it into future maize breeding programmes.	
Is the title of the article suitable? (If not please suggest an alternative title)	It would have been better if the title was changed to "Exploring Heat Tolerant Maize (<i>Zea mays</i> L.) Genotypes Through Evaluation of Testcross Performance and Yield Attributing Traits Under Heat Stress Conditions at Two Distinct Locations"	
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.	Emphasis on the importance of the research is required. The first line of the abstract is too vague. Make changes with supporting statements. Very little is mentioned about how heat stress can affect the maize crop and how this research can help in the future. Put a space between testcrosses – test crosses. Write clearly about the two distinct environments mentioned in the abstract. The readers need to get an idea of the research from the abstract itself.	
Are subsections and structure of the manuscript appropriate?	Yes, the structure and subsections of the manuscript are fine. Add subheadings or split the materials and methods into proper order for better understanding.	
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.	The manuscript provides information about the needs of the future. The manuscript is scientifically correct and apt as it highlights how heat stress can affect the crops and what method or analysis can be done for the superior ones and how they can be incorporated for further research later. It emphasizes more on present issues.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	The references need to be thoroughly checked as it's not in alphabetical order. Keep recent references as much as possible. Keep more research papers as references than a thesis for better credibility. Follow the same format for all the references as mentioned by the journal. Check other published papers in the journal for reference.	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes, it is but revision is required. Check again for more accuracy and make it more presentable. Use spaces wherever required.	
Optional/General comments	Two environments are mentioned in the paper but not much detail regarding the temperature of the two different locations is mentioned in the paper. Make sure to include the temperature details of both area and also highlight how much stress is affecting the maize crops in both locations. Include this in the introduction and also mention it in the abstract. Mention about the genotypes and checks used in the abstract itself. Write the materials and methods properly by splitting them with emphasis on the temperature of two locations, the experimental site, design and practices, genotypes- their source etc. Please improve the introduction as a whole. Mention what works the mentioned scientists have done regarding heat tolerance in the introduction. Focus more on heat stress and drought stress in the introduction. If drought stress is also analysed then change the title accordingly. Improve the results and elaborate the discussion. Make a clear conclusion about how heat tolerance and yield were studied and how this research helped in finding the elite genotypes. Emphasis on heat stress should be improved throughout the paper.	

PART 2:

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

Reviewer Details:

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