

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

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.	This manuscript is important for the scientific community because it addresses a critical challenge in maize production focusing on heat stress and provides insights for improving crop resilience. The identification of significant correlations between grain yield traits like plant height and ears per plant under heat stress provide valuable targets aimed at developing heat-tolerant varieties. The use of BLUPs and correlation studies adds depth to the findings.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	Yes	
Are subsections and structure of the manuscript appropriate?	Yes	
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 paper is scientifically robust and technically sound due to its rigorous experimental design, including the use of a large biparental population, multiple environments for evaluation, and advanced statistical techniques such as BLUPs and correlation analysis. The use of an alpha lattice design and proper replication improves the precision of the field trial results, while the significant genotype x environment interactions are well-accounted for, reflecting the complexity of heat stress conditions.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments		

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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>	

Reviewer Details:

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