

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_109503
Title of the Manuscript:	Estimation of gene interaction for grain yield and yield traits in rabi sorghum [Sorghum bicolor (L.) Moench]
Type of the Article	Original Research Article

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The article "Estimation of Gene Interaction for Grain Yield and Yield Traits in Rabi Sorghum [Sorghum bicolor (L.) Moench]" provides a comprehensive investigation into the genetic factors influencing grain yield and related traits in sorghum. Here's a commentary on the language and English quality of the article, suitable for scholarly communication:</p> <p>Strengths:</p> <ol style="list-style-type: none"> 1. Clarity and Coherence:The article is generally well-written and exhibits a high level of clarity. The language used is scientific but not overly technical, making it accessible to a broad audience within the scientific community. 2. Structured Format: The article follows a structured format commonly found in scholarly research, including an abstract, introduction, materials and methods, results, discussion, and conclusion. This format facilitates easy comprehension for readers familiar with scientific research articles. 3. Use of Citations: The inclusion of references and citations enhances the credibility of the study, demonstrating a thorough review of existing literature. It also allows readers to trace the origins of specific information. 4. Technical Terminology: The article appropriately employs technical terminology related to genetics, plant breeding, and statistical analysis, demonstrating a sound understanding of the subject matter. <p>Areas for Improvement:</p> <ol style="list-style-type: none"> 1. Abstract Length: The abstract could be more concise. While it effectively provides an overview of the study, a more condensed version would be beneficial for readers seeking a quick understanding of the research. 2. Introduction Detail:The introduction provides a good background on sorghum but could be more concise. Some information, such as the botanical classification of sorghum, may be considered basic knowledge for the target audience. 3. Tables and Figures:The article contains tables, which are useful for presenting data. However, including more figures or graphs could enhance visual representation and aid in conveying complex genetic interactions. 4. Grammar and Syntax: While the overall language is clear, there are a few instances where sentence structure could be refined for improved readability. For example, in the Results and Discussion section, some sentences are quite lengthy and might benefit from splitting for clarity. 5. Conclusion Elaboration: The conclusion briefly summarizes the findings but could be expanded to offer more insights into the broader implications of the study and potential directions for future research. 6. In-text Citations: Some statements in the Results and Discussion section could benefit from more specific in-text citations, linking the findings directly to the relevant literature. <p>Overall Assessment:</p>	

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	The article represents a valuable contribution to the field of sorghum genetics and provides insights into the gene interactions influencing grain yield and related traits. With minor improvements in abstract length, introduction detail, visual representation, grammar, and conclusion elaboration, the article could enhance its impact and accessibility within the scholarly community.	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?		
Optional/General comments		

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>	

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