

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_124985
Title of the Manuscript:	Optimizing sorghum yield and quality through plant growth regulators and micro -nutrient management strategies.
Type of the 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.	The manuscript addresses a crucial topic in agricultural research, particularly focusing on the integration of plant growth regulators (PGRs) and micronutrients to enhance sorghum yield and quality. Given the importance of sorghum in food security, especially in semi-arid regions, the study's findings provide significant value. However, more emphasis is required on the broader implications of the results for different agro-ecological zones. Incorporating these insights will enhance its relevance to the scientific community.	
Is the title of the article suitable? (If not please suggest an alternative title)	The current title is suitable as it clearly reflects the scope of the research. However, for clarity, I suggest revising the title to: "Optimizing Sorghum Yield and Quality: A Study on the Role of Plant Growth Regulators and Micronutrient Management Strategies."	
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.	The abstract is fairly comprehensive but can be further refined. Adding a clear statement of the practical applications of the findings in real-world agricultural settings would strengthen the abstract. It would also be beneficial to include more specific numerical results for the treatments in the abstract to give readers a quick overview of the study's effectiveness.	
Are subsections and structure of the manuscript appropriate?	The manuscript is well-organized with clearly defined subsections. The inclusion of results across multiple locations adds robustness to the findings. However, further elaboration on the statistical analysis and why particular methods were chosen would enhance the scientific rigor. Consider providing more detailed explanations in the "Materials and Methods" section, especially concerning how environmental factors at each location influenced the outcomes.	
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 study is scientifically sound, providing data from multiple locations and different treatment combinations. The results are consistent with the hypothesis, but a critical analysis of potential limitations (e.g., soil variability, climate fluctuations) is missing. Addressing these factors will give the manuscript a more holistic approach and provide better guidelines for future applications.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	While the references cited are sufficient and cover recent literature, additional studies focusing on micronutrient management in other staple crops could provide a more comprehensive background. Consider citing recent works on micronutrient management in water-stressed crops or other cereals.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language is generally clear, but certain sentences are overly long and convoluted. Simplifying complex sentences and improving the flow of ideas will make the article more reader-friendly. Additionally, minor grammatical corrections and a few formatting adjustments, particularly in tables and figures, are required.	
Optional/General comments	The manuscript has the potential to contribute significantly to the literature on sustainable agriculture. The multi-location trial strengthens the generalizability of the findings. However, further discussion on the economic implications and cost-benefit analysis in different regions would make the manuscript even more impactful.	

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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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