

Review Form 3

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_120881
Title of the Manuscript:	Long term effect of organic and inorganic sources of nutrient on growth of pearl millet (<i>Pennisetum glaucum</i>)
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)
<p>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.</p>	<p>This manuscript is a significant for the scientific community because it investigates the long term effects of organic and inorganic nutrient sources on growth of pearl millet, addressing a critical aspect of sustainable agriculture. It provided valuable insights into the integrated nutrient management approach, combining organic manures, chemical fertilizers and bio fertilizers to optimize soil fertility and crop productivity.</p> <p>I like the manuscript because</p> <ol style="list-style-type: none"> 1. It appears to be well structured and well written, with a clear introduction, materials and methods, results and discussion. 2. The study is a significant research topic in sustainable agriculture. 3. It provides valuable insights into the integrated nutrient management approach, combining organic manures, chemical fertilizers, and biofertilizers to optimize soil fertility and crop productivity. 	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title of the article is straight forward and informative.</p>	
<p>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.</p>	<p>The abstract of the title is a good summary of the study, but I suggest a few additions to make it more comprehensive;</p> <ol style="list-style-type: none"> 1. Clearly state the research objective: Begin the abstract with a sentence that outlines the purpose of the study such as "This study investigated the effects of the long- term application of organic and inorganic nutrient sources on pearl millet growth and productivity" 2. Provide context for the research: Add a sentence to explain the significance of pearl millet and the importance of optimizing its growth and productivity. 3. Highlight the key findings. 4. Mention the practical implications: End the abstract with a sentence that outlines the potential applications of the research, such as "These findings can inform sustainable agriculture practices and improve pearl millet yields for small holder farmers." 	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The manuscripts structure and subsections need improvement for better clarity and organization. Here's a suggested structure:</p> <ol style="list-style-type: none"> 1. Introduction: Start with a brief overview of pearl millet's importance. State the purpose and objectives of the study. Provide a clear hypothesis. 2. Literature Review: Expand on the background information. 	
<p>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.</p>	<p>This manuscript is scientifically robust and technically sound for several reasons:</p> <ol style="list-style-type: none"> 1. The study is based on long-term field experiment conducted over two years, which suggests a high level of rigour and reliability in the data collection process. 2. The experiment was designed with a randomized block layout and three replications, ensuring adequate statistical power and minimizing potential biases. 3. The authors considered a range of treatments including organic and inorganic nutrient sources, biofertilizers and integrated nutrient management approach, demonstrating a comprehensive understanding of the research topic. <p>Overall, the study's robust design, thorough data analysis, and coherent presentation of results demonstrate its scientific correctness and technical</p>	

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	soundness.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	The references provided are sufficient and cover a range of topics related to pearl millet, integrated nutrient management, and sustainable agriculture practices. However, I suggest adding a few more recent references (2023 or later) to strengthen the manuscripts credibility and update the research findings.	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language and English quality of the article are generally good, but there are some areas that need improvement to make it suitable for scholarly communications. Here are some suggestions: <ol style="list-style-type: none"> 1. Sentence structure and length: Some sentences are too long and convoluted, making them difficult to follow. Break them up into shorter, simpler sentences for better clarity. 2. Grammar and punctuation: There are minor errors in grammar, punctuation and spelling (e.g., missing articles, incorrect comma usage). Ensure a thorough proofread to correct these errors. 3. Technical terms and abbreviations: While the article uses appropriate technical terms, some abbreviations (e.g., PSB, FYM) are not explicitly defined. Add a brief explanation or definition for each abbreviation when first used. 4. Consistency in formatting: The formatting of headings subheadings and paragraphs is inconsistent. Standardize the formatting throughout the article. 5. Clarity and conclusion: Some sections, like the introduction, could be condensed and made more concise while maintaining essential information. 6. Use of active voice: The article predominantly uses passive voice, which can make the text less engaging. Consider rewriting some sections in active voice to improve readability. By addressing these areas, the article's language and English quality can be enhanced to meet the standards of scholarly communications.	
<u>Optional/General</u> comments	Here are some general comments on the article: Strengths: <ol style="list-style-type: none"> 1. The article addresses a relevant topic in agriculture, specifically the long-term effects of organic and inorganic nutrient sources on pearl millet growth. 2. The experiment was conducted over two years, which adds credibility to the findings. 3. The authors have provided detailed information on the materials and methods used, making it easier for readers to understand the experiment's design and execution. Weaknesses: <ol style="list-style-type: none"> 1. Some sentences are lengthy and convoluted, making them difficult to follow. Break them up into shorter sentences would improve readability. 2. The authors could provide more contexts on the significance of pearl millet and the importance in agriculture, especially for non expert readers. 	

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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Reviewer Details:

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