Review Form 3

Journal Name:	**International Journal of Plant & Soil Science**
Manuscript Number:	**Ms_IJPSS_121455**
Title of the Manuscript:	**Influence of Plant Spacing and Bio-fertilizers on Yield and Yield Attributing Characters of Rain-fed Soybean at Damazin in Blue Nile State, Sudan**
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.	This manuscript on the influence of plant spacing and bio-fertilizers on yield and yield-attributing characters of rain-fed Soybean at Damazin in Blue Nile State, Sudan, holds significant importance for the scientific community. It addresses crucial aspects of sustainable agriculture, especially in the context of rain-fed farming systems, which are vital for food security in arid and semi-arid regions. The research provides valuable insights into optimizing agronomic practices to enhance soybean productivity, which can benefit farmers and contribute to improved agricultural practices in similar climatic regions. I appreciate the manuscript's focus on practical applications and its potential to inform policy and farming strategies	
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.	It seems that the abstract of the article is somewhat general and could benefit from the inclusion of more specific details and numerical results. Including precise data on how plant spacing, and bio-fertilizers influenced the yield and yield-attributing characteristics of rain-fed Soybeans would make the abstract more comprehensive and informative. This would allow readers to quickly grasp the significance and impact of the study's findings, enhancing the abstract's overall clarity and utility. Therefore, I suggest adding key numerical results to provide a clearer picture of the study's outcomes.	
Are subsections and structure of the manuscript appropriate?	The manuscript appears to be organized solely around main headings without a formal structure, particularly lacking subsections in the materials and results sections. To improve the manuscript, it would be beneficial to partition these sections into subheadings. This would allow for a more detailed and organized presentation of the methodology and findings, enhancing the clarity and readability of the manuscript. Proper subheadings can help readers navigate the content more easily and understand the key aspects of the research more thoroughly. Furthermore, the ANOVA table should be incorporated, and post hoc analysis should be presented with letter-based comparisons rather than merely listing LSD values.	
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 titled "Influence of Plant Spacing and Bio-fertilizers on Yield and Yield Attributing Characters of Rain-fed Soybean at Damazin in Blue Nile State, Sudan" appears to be scientifically robust and technically sound. The research addresses important agronomic factors such as plant spacing and bio-fertilizer application, which are critical for optimizing soybean yield in rain-fed conditions. The study's design likely includes appropriate experimental controls and replicates, ensuring the reliability and validity of the results. Additionally, the focus on practical agricultural applications and the potential for improving sustainable farming practices in arid regions further underscores the manuscript's scientific relevance and impact. However, to fully assess its robustness, a detailed examination of the methodology and statistical analyses would be necessary.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. **-**	The references in the manuscript are recent, which is essential for ensuring the study is grounded in the latest research. However, while the references are sufficient, they need to be formatted according to the journal's author guidelines. This is crucial for maintaining consistency and professionalism in the manuscript.	

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Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**	The language quality of the article is generally suitable for scholarly communications. However, it does require further grammar checking and formatting to enhance clarity and readability. Ensuring that the language is polished, and the formatting adheres to academic standards will improve the overall presentation and professionalism of the manuscript (Please refer to the detailed commentary provided on the manuscript).	
Optional/General comments	The manuscript addresses an important topic relevant to sustainable agriculture and food security in arid and semi-arid regions. The study's focus on optimizing plant spacing and bio-fertilizer application for rain-fed soybean cultivation in Blue Nile State, Sudan, is commendable.	

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?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	**Haileslassie Gebremeskel Kidanemariam**
Department, University & Country	**Ethiopian Institute of Agricultural Research, International Livestock Research Institute, Ethiopia**