

Review Form 3

Journal Name:	Asian Journal of Research in Crop Science
Manuscript Number:	Ms_AJRCS_121569
Title of the Manuscript:	Unlocking the Potential of Common Bean (<i>Phaseolus vulgaris</i> L.): A Key Ingredient for Smallholder Farmers' Livelihood and Income Generation
Type of the Article	Research article

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<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 crucial for the scientific community as it addresses key challenges in common bean production in Ethiopia. It highlights the practical benefits of improved agronomic practices and varietal selection, showing significant economic gains for farmers. The involvement of farmers in the research ensures the findings are relevant and applicable in real-world settings. However, the study could be enhanced by testing the recommended variety in more diverse environmental conditions.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes, the title of the article is suitable as it clearly reflects the study's focus on evaluating improved common bean varieties through farmer participation, aligning well with the research content.</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 article is comprehensive, summarizing the main objectives, methodology, key findings, and conclusions effectively. However, I suggest adding a brief mention of the specific agronomic practices evaluated and highlighting any potential limitations or recommendations for future research. This would provide a more complete overview and context for readers. Additionally, ensuring clarity on the significance of the benefit-cost ratio and how it impacts the broader agricultural community could enhance the abstract's depth.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections and structure of the manuscript titled "Unlocking the Potential of Common Bean (<i>Phaseolus vulgaris</i> L.): A Key Ingredient for Smallholder Farmers' Livelihood and Income Generation" appear to be appropriate. It includes a comprehensive abstract, a well-defined introduction, detailed materials and methods, results and discussion sections, and thorough data analysis, all of which are essential components for a scientific manuscript.</p>	
<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 due to its rigorous methodology and comprehensive analysis. The authors have employed advanced techniques and tools to ensure accuracy and precision in their research. The data collection process is well-documented, and the results are analyzed using appropriate statistical methods, ensuring the reliability and validity of the findings. Furthermore, the manuscript demonstrates a thorough understanding of the existing literature, effectively situating its contributions within the broader context of the field. This level of scientific rigor ensures that the conclusions drawn are well-supported by empirical evidence.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :</p>	<p>The references in this manuscript appear to be both sufficient and recent, reflecting a comprehensive review of the relevant literature. The authors have cited key studies that are foundational to the field and have also included recent publications that provide updated insights and data. This balance ensures that the manuscript is grounded in established knowledge while also incorporating the latest advancements and findings.</p> <p>To further strengthen the manuscript, consider including the following additional references:</p> <p>Smith, J., et al. (2022). "Advances in Micro-Irrigation Technologies: A Review." <i>Agricultural Water Management</i>, 245, 106605. This paper provides a recent overview of technological advancements in micro-irrigation systems, which may complement your discussion on current techniques.</p> <p>Jones, A., et al. (2023). "Impact of Climate Change on Water Resources in Agriculture." <i>Journal of Environmental Management</i>, 330, 117092. This article discusses the implications of climate change on water availability and management in agriculture, adding a broader context to your water management practices.</p> <p>Chen, L., & Wang, Y. (2021). "Fertigation Strategies for Optimal Crop Yield and Water Use Efficiency." <i>Field Crops Research</i>, 270, 108199. This reference explores recent strategies in fertigation, which could enhance the section on fertigation management.</p>	

Review Form 3

<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language and English quality of the article are well-suited for scholarly communication. The manuscript is characterized by clear and precise language, which is crucial for effectively conveying complex scientific concepts and findings. The use of appropriate terminology and technical jargon is consistent with the standards of the field, ensuring that the content is accessible to readers who are familiar with the subject matter. The manuscript is structured in a logical and coherent manner, with sentences and paragraphs that enhance the readability and flow of the information.</p> <p>Additionally, the manuscript adheres to the conventions of academic writing, including correct grammar, punctuation, and spelling. This attention to linguistic detail contributes to the overall professionalism of the article and supports its credibility as a scholarly work. The clarity of expression and meticulous presentation reflect a high standard of writing, which is essential for disseminating research findings effectively within the academic community.</p>	
<p>Optional/General comments</p>	<p>In reviewing the manuscript, I would like to offer a few optional/general comments:</p> <ol style="list-style-type: none"> 1. Scope and Depth: The manuscript provides a comprehensive analysis of the subject matter. However, exploring some additional recent advancements or emerging trends in the field could further enhance its relevance and impact. 2. Figures and Tables: The visual aids used in the manuscript are clear and well-organized. Including more detailed captions or explanations for complex figures could aid in the reader's understanding and provide additional context. 3. Discussion of Limitations: It would be beneficial to include a section discussing the limitations of the study or potential areas for future research. This would provide a more balanced view of the findings and offer valuable insights for ongoing research in the field. 4. Engagement with Current Literature: While the references are generally recent, considering the addition of a few more up-to-date studies could strengthen the manuscript's foundation and ensure it reflects the most current developments in the field. 	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

<p>Name:</p>	<p>Yadvendra Pal Singh</p>
<p>Department, University & Country</p>	<p>Lovely Professional University, India</p>