

**Review Form 3**

Journal Name:	<a href="#">Asian Research Journal of Agriculture</a>
Manuscript Number:	Ms_ARJA_125485
Title of the Manuscript:	<b>Influence of Graded Levels of Potassium Fertigation on Growth of Jalapeno Pepper Grown in Red Bole Soil Under Polyhouse</b>
Type of the Article	<b>Original Research Article</b>

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**PART 1: Review Comments**

<b><u>Compulsory</u></b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <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><b>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.</b></p>	<p>The manuscript is valuable for its investigation into optimizing potassium fertigation for Jalapeno peppers under polyhouse conditions. It addresses a practical agricultural concern that is directly applicable to improving crop yield and quality in controlled environments. The findings provide specific nutrient management strategies that could aid farmers and researchers in maximizing production. The detailed experimental design and results make it a robust addition to the field of precision agriculture.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The title is suitable, but a suggestion for improvement is: "Effect of Potassium Fertigation Levels on Jalapeno Pepper Growth in Red Bole Soil Under Polyhouse Conditions." This makes the focus and experimental setting more specific.</p>	
<p><b>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.</b></p>	<p>The abstract is generally comprehensive but could be improved by specifying the experimental design (e.g., "Randomized Block Design with four replications") and summarizing the key statistical outcomes related to growth parameters like plant height and leaf area. This would provide a more balanced overview of the study's scope and findings.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>Yes, the structure and subsections of the manuscript are appropriate. However, adding a subheading under "Materials and Methods" for "Statistical Analysis" would improve clarity.</p>	
<p><b>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.</b></p>	<p>The manuscript is scientifically robust due to its well-structured experimental design, use of Randomized Block Design, and appropriate statistical analysis of data. The inclusion of controls and graded treatments enhances the reliability of the findings. The results are consistent with existing literature, and the detailed data collection methodology supports reproducibility. The discussion is well-supported by references, which strengthens the validity of the conclusions.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>The references are sufficient but not entirely recent. Updating references with studies published between 2015 and 2024, particularly focusing on recent advancements in potassium fertigation and controlled environment agriculture, would enhance the manuscript's relevance.</p>	
<p><b><u>Minor</u></b> REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language quality is generally suitable, but minor grammatical errors and awkward phrasing should be corrected. A thorough proofreading is recommended to enhance readability.</p>	
<p><b><u>Optional/General</u></b> comments</p>	<p>The manuscript is a useful contribution to the literature on the optimization of nutrient management for Jalapeno peppers in polyhouse conditions. Improving the practical recommendations for farmers and updating the references would make the research more impactful.</p> <p>There are no ethical issues identified in this manuscript as it primarily involves agricultural research with no human or animal subjects There is no suspicion of plagiarism in the manuscript based on the initial review.</p>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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