

**Review Form 3**

Journal Name:	<b>Asian Journal of Agricultural and Horticultural Research</b>
Manuscript Number:	<b>Ms_AJHR_121303</b>
Title of the Manuscript:	<b>Integrated Effect of Organic Manures and Organic Liquid Formulations on Growth, Yield and Quality of Garlic cv. Agrifound Parvati in Bharsar Condition of Uttarakhand</b>
Type of the Article	<b>Research paper</b>

### 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><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>This manuscript is important for the scientific community as it provides empirical evidence on the benefits of using organic manures and organic liquid formulations in garlic cultivation, a topic of significant relevance in sustainable agriculture. The findings offer practical solutions for reducing dependency on chemical fertilizers, promoting eco-friendly farming practices. I like this manuscript because it is well-structured, presents clear and actionable results, and contributes valuable knowledge to the field of organic agriculture, potentially influencing future research and farming practices.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The current title is informative but quite lengthy. A more concise and equally informative alternative could be: "Impact of Organic Manures and Liquid Formulations on Garlic Growth and Yield in Uttarakhand" This title maintains the key elements while being more succinct.</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 of the article is comprehensive, providing a summary of the study's objective, methodology, key findings, and conclusion. However, some suggestions for improvement include:</p> <ol style="list-style-type: none"> <li>1. <b>Brief Background:</b> Adding a sentence or two about the significance of garlic and the drawbacks of chemical fertilizers could provide better context.</li> <li>2. <b>Specific Results:</b> Including specific numerical results for key metrics (e.g., yield increase percentage) can make the abstract more informative.</li> <li>3. <b>Conclusions and Implications:</b> Emphasize the practical implications of the findings for farmers and the potential impact on sustainable agriculture.</li> </ol> <p>Suggested Revised Abstract:- The study investigates the impact of organic manures and organic liquid formulations on the growth, yield, and quality of garlic cv. Agrifound Parvati in Bharsar, Uttarakhand. A Randomized Complete Block Design (RCBD) with three replications was used, comparing different treatments including FYM, Vermicompost, and Panchgavya. The results indicated that the combination of FYM and Panchgavya significantly improved plant height, number of leaves, bulb diameter, and yield, with yield increases up to 30% compared to control. These findings suggest that organic farming practices can effectively enhance garlic production, offering a sustainable alternative to chemical fertilizers. This study provides practical insights for farmers and contributes to the growing body of research on sustainable agriculture.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>Yes, the subsections and structure of the manuscript are appropriate. The paper follows a clear and logical format typically used in scientific research papers, including:</p> <ol style="list-style-type: none"> <li>1. <b>Title:</b> Clearly describes the study's focus.</li> <li>2. <b>Abstract:</b> Summarizes the study, its methods, and key findings.</li> <li>3. <b>Introduction:</b> Provides background information, the significance of the study, and objectives.</li> <li>4. <b>Materials and Methods:</b> Details the experimental design, treatments, and procedures.</li> <li>5. <b>Results and Discussion:</b> Presents the data collected and interprets the findings, comparing them with previous research.</li> <li>6. <b>Tables:</b> Organizes data in an accessible format.</li> <li>7. <b>Conclusion:</b> Summarizes the key findings and their implications.</li> <li>8. <b>References:</b> Lists the sources cited in the paper.</li> </ol> <p>This structure ensures the manuscript is easy to follow and covers all essential aspects of a scientific study. If any section lacks depth or clarity, it should be further elaborated, but the overall framework is appropriate.</p>	

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<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 demonstrates scientific robustness and technical soundness through its comprehensive and methodical approach. The clear presentation of the experimental design and methodology ensures that the study can be accurately replicated, which is a cornerstone of scientific validity. The results are systematically analyzed and discussed in relation to existing literature, providing a thorough interpretation of the data. Additionally, the careful organization of data in tables and the inclusion of a well-referenced bibliography underscore the manuscript's adherence to scientific standards. These elements collectively affirm the manuscript's credibility and reliability.</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>=</p>	<p>The references provided include a mix of recent studies and older sources, covering various aspects of organic inputs and their effects on different crops. The list includes relevant journals and some authoritative sources, which is a positive sign.</p> <p>However, the following suggestions could enhance the reference list:</p> <ol style="list-style-type: none"><li>1. <b>Recent Studies:</b> Include more recent research from the last 5 years to ensure the manuscript reflects the latest developments and trends in the field. For instance, consider adding studies on recent advancements in organic inputs and their impact on crop growth.</li><li>2. <b>Seminal Works:</b> Ensure that foundational or highly-cited studies related to organic farming and crop management are included if they are not already.</li><li>3. <b>Comprehensive Reviews:</b> Adding a few recent review articles could provide a broader context and highlight current research trends and gaps.</li><li>4. <b>Regional Studies:</b> If applicable, include studies specific to the geographic region of the research to provide local context.</li></ol> <p>Consider searching recent issues of relevant journals such as the <i>Journal of Agricultural and Food Chemistry</i>, <i>Agricultural Systems</i>, or <i>Journal of Sustainable Agriculture</i> for the latest research articles.</p>	

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<p>Minor REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language and English quality of your article are generally suitable for scholarly communication, but a few adjustments could improve clarity and readability. Here are some suggestions:</p> <p>Introduction</p> <ul style="list-style-type: none"><li>• Minor Adjustments:<ul style="list-style-type: none"><li>○ "Garlic (<i>Allium sativum</i> L.), after onions, is the second most important crop grown from bulbs which is used as a spice or condiment." Consider rephrasing for clarity: "Garlic (<i>Allium sativum</i> L.) is the second most important bulb crop, used as a spice or condiment, following onions."</li><li>○ "Some scholars believe that the wild ancestor of garlic is <i>Allium longicuspis</i> Regael." Ensure consistency with species name formatting: "Some scholars believe that the wild ancestor of garlic is <i>Allium longicuspis</i> Regael."</li></ul></li></ul> <p>Materials and Methods</p> <ul style="list-style-type: none"><li>• Consistency and Clarity:<ul style="list-style-type: none"><li>○ "The experiment was laid out in Randomized Complete Block Design (RCBD) with three replications." Use "Randomized Complete Block Design (RCBD) with three replications" for consistency in the explanation of the experiment design.</li><li>○ "The sowing process involves sowing cloves at a spacing of 15cm x 10cm in a plot size of 0.8 m<sup>2</sup> each." Clarify by specifying "each plot size was 0.8 m<sup>2</sup>."</li></ul></li></ul> <p>Results and Discussion</p> <ul style="list-style-type: none"><li>• Improved Readability:<ul style="list-style-type: none"><li>○ "Application of organic liquid formulations and manures had a substantial impact on plant height, leaf area index, number of leaves, average length of leaves, average breadth of leaves, and average length of leaves." Consider revising to avoid repetition: "Application of organic liquid formulations and manures significantly impacted plant height, leaf area index, number of leaves, average leaf length, and leaf breadth."</li><li>○ "Auxins and gibberellin, the two growth boosters found in Panchgavya, is considerably the reason for this." Rephrase for clarity: "Auxins and gibberellins, which are growth boosters found in Panchgavya, are likely responsible for this effect."</li></ul></li></ul> <p>Overall, while your article is well-structured and detailed, these adjustments can enhance its scholarly presentation by improving readability and precision.</p>	
<p>Optional/General comments</p>	<ul style="list-style-type: none"><li><input type="checkbox"/> <b>Clarity:</b> Simplify complex sentences and avoid jargon where possible to enhance readability.</li><li><input type="checkbox"/> <b>Consistency:</b> Use consistent terminology for organic fertilizers and treatments.</li><li><input type="checkbox"/> <b>Structure:</b> Ensure each section flows logically to improve coherence and understanding.</li><li><input type="checkbox"/> <b>Data Presentation:</b> Consider summarizing key results and comparisons in a table or figure for clarity.</li><li><input type="checkbox"/> <b>References:</b> Verify that all citations are correctly formatted and up-to-date.</li></ul>	

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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>	

**Reviewer Details:**

Name:	<b>Pooja Tak</b>
Department, University & Country	<b>Vivekananda Global University, India</b>