

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_127590
Title of the Manuscript:	Impact of biopesticides applied alone and in combination with insecticides using drone and taiwan sprayer on beneficial fauna in rice ecosystem
Type of the Article	Original Research Article

General guidelines for the Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: 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. A minimum of 3-4 sentences may be required for this part.	This manuscript is significant for the scientific community as it addresses the pressing need for sustainable pest management practices in rice cultivation, a staple crop critical to global food security. By evaluating the impact of biopesticides and insecticides applied using advanced technologies like drones and Taiwan sprayers, the study provides valuable insights into minimizing harm to beneficial arthropods, which play a crucial role in natural pest control. The findings contribute to the development of eco-friendly agricultural practices, promoting biodiversity conservation in agroecosystems. Furthermore, the research highlights the potential of precision agriculture tools to enhance the efficiency and sustainability of pest management strategies.	
Is the title of the article suitable? (If not please suggest an alternative title)	<p>The title of the article appears to be suitable if it accurately reflects the content and focus on the comparison of biopesticides and insecticides in rice pest management. However, to ensure clarity and emphasis on the key aspects of the study, here are a few alternative title suggestions:</p> <ol style="list-style-type: none"> "Comparative Efficacy of Biopesticides and Insecticides in Rice Pest Management: A Study on the Impact of Drone and Taiwan Sprayer Applications" "Assessing the Environmental and Pest Control Efficiency of Biopesticides vs. Insecticides in Rice Cultivation" "Sustainable Pest Management in Rice: A Comparison of Biopesticides and Insecticides with Drone and Taiwan Sprayer Technology" "Impact of Biopesticides and Insecticides on Rice Pest Control and Beneficial Arthropods: A Comparison of Application Methods" <p>These titles better reflect the study's dual focus on pest control effectiveness and environmental impact, while also highlighting the technological aspect of the research.</p>	

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<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 widespread use of chemical insecticides in rice cultivation has raised environmental concerns. This study compares biopesticides and chemical insecticides for pest control, focusing on their effectiveness, environmental impact, and effects on beneficial arthropods. By applying both methods using drones and Taiwan sprayers, the study finds that biopesticides, while less effective in pest control, offer substantial environmental benefits by protecting non-target species. The research highlights the potential of biopesticides as a sustainable alternative for rice pest management."</p>	
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>To assess the scientific correctness of the manuscript, ensure that the hypothesis is clear and supported by relevant background, and the methodology is robust and reproducible. The data analysis should be accurate and aligned with accepted scientific practices. Results must be consistent with the study objectives, and the conclusions should logically follow from the findings, offering practical implications for sustainable pest management. If these elements are present and well-supported, the manuscript can be considered scientifically correct.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>To evaluate whether the references are sufficient and recent, check if the manuscript cites up-to-date and relevant studies in the field, particularly those published in the last 5-10 years. The references should cover key aspects of the topic, including pest management, biopesticides, environmental impacts of insecticides, and technological advancements in pest control (e.g., drones, Taiwan sprayers).</p>	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>To determine if the language and English quality are suitable for scholarly communication, review the manuscript for the following aspects:</p> <ol style="list-style-type: none"> Clarity: The language should be clear, precise, and free from ambiguity. Complex ideas should be explained in an understandable manner for an academic audience. Grammar and Syntax: Ensure there are no grammatical errors, sentence fragments, or awkward phrasing. The sentence structure should flow naturally and be consistent throughout the manuscript. Tone: The tone should be formal and academic. Avoid colloquialisms or overly casual language. Consistency: Terminology and phrasing should be consistent, especially with technical terms or concepts related to pest control, biopesticides, and rice cultivation. Spelling and Punctuation: Check for any spelling mistakes, incorrect punctuation, or typos that may detract from the professional quality of the manuscript. 	
<p>Optional/General comments</p>	<ol style="list-style-type: none"> Clarity and Conciseness: While the content of the manuscript is valuable, some sections could benefit from more concise language. Long or complex sentences may be streamlined to improve clarity and readability for the target audience. Contextualization: The manuscript would benefit from a clearer discussion on the broader implications of the findings. Providing more context on the significance of the results in the larger scientific and agricultural context could enhance the manuscript's impact. Figures and Tables: Ensure that all figures and tables are clearly labeled and referenced appropriately in the text. It is important to ensure that any data presented visually is easy to understand and supports the narrative. Future Research Directions: The manuscript could strengthen its conclusion by highlighting potential areas for future research. This would help in further establishing the relevance of the study and its contribution to the field. Literature Review: A more thorough integration of relevant, up-to-date literature on biopesticides and their role in pest management could enhance the manuscript. This will provide a stronger foundation for the current study and align it with the latest advancements in the field. <p>These comments are meant to help refine the manuscript and ensure it meets the highest standards for academic publication</p>	

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>	

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