

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_129009
Title of the Manuscript:	Comparative efficacy of organic based management modules against different stages of Myzus persicae Suzler on capsicum under polyhouse condition in Kashmir Valley
Type of the Article	Original Research Article

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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 contributes valuable insights into the efficacy of organic-based management modules against different stages of <i>Myzus persicae</i> on capsicum under polyhouse conditions. The findings demonstrate the potential of Azadirachtin as a promising eco-friendly alternative to synthetic insecticides for aphid control, offering a sustainable and environmentally sound approach to pest management in protected agriculture. This research provides crucial information for farmers, researchers, and policymakers to develop and implement effective and sustainable integrated pest management strategies for capsicum production.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title of the article is suitable.	
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.	The abstract is informative and comprehensive.	
Is the manuscript scientifically, correct? Please write here.	The manuscript is scientifically correct. It generally adheres to scientific principles and methodology. It presents a clear objective, describes the experimental design and procedures, and analyzes the data using appropriate statistical methods. However, the manuscript could benefit from a more rigorous discussion section.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes, the references are sufficient and recent. The only one thing is that the journal name should be in italics; some references are not. So, I recommend to correct it.	
Is the language/English quality of the article suitable for scholarly communications?	The language and English quality of the article are mostly suitable for scholarly communication. But a few minor grammatical and typographical errors that could be corrected for improvement.	
<u>Optional/General</u> comments	The present research paper focused on evaluating the effectiveness of these organic modules against three different stages of the aphid: nymphs, apterous adults (wingless), and alate adults (winged). Among the organic treatments tested, Azadirachtin (0.03%) demonstrated the highest efficacy in reducing populations of all three aphid stages. Its performance was statistically comparable to the standard chemical insecticide, Thiacloprid. Other organic treatments like NSKE (5%) and fungal biocontrol agents (<i>Lecanicillium lecani</i> , <i>Beauveria bassiana</i> , and <i>Metarhizium anisopliae</i>) showed moderate effectiveness against the aphids, while the ladybug predator, <i>Adalia tetraspilota</i> , exhibited the least reduction in aphid population compared to other treatments. The study suggests that Azadirachtin, an organic product derived from neem, can be a promising alternative for managing green peach aphid infestations on capsicum crops grown in polyhouses. It offers a safe and eco-friendly approach compared to conventional chemical insecticides. The research emphasizes the importance of integrated pest management (IPM) strategies that combine organic and biological control methods with minimal chemical intervention for sustainable aphid management in vegetable production.	

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)	

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