

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_129594
Title of the Manuscript:	Evaluation of Plant Based Insecticides in Combination with Newer Generation Insecticides for the Management of Legume Pod Borer, Maruca vitrata in Cowpea
Type of the 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 <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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.	The topic is interesting but several important information are missing. Details methodology should be required. Language and grammar should be improved.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title may be Bio-efficacy of selected new generation insecticides and azadirachtin against legume pod borer (<i>Maruca vitrata</i>) infesting cowpea	

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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>Cowpea is a protein rice boon crop for the people of poverty with m ultivarious uses in agriculture. Realizing high yields in cowpea is impeded by a wide array of insects infesting this crop. Among them, the notable insect is the legume pod borer, Maruca vitrata. Management of this insect is difficult due to it's 'hide and feed' nature. Moreover, infestation of this insect starts from flowering stage itself and extends up to the final stage of the crop resulting in substantial yield losses. In view of this, using new generation insecticides along with botanicals is an eco-friendly concept to manage this notorious insect.- Delete this portion Add the data for your results in abstract</p>	
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>Introduction 1. Only one botanical is used in this study; then why did you write “plant based insecticides”? 2. Give recent production scenario and importance of cowpea. Materials and methods 1. Give details of the location (Latitude and longitude), along with the study season and year. 2. Mention the time (SMW) when the 1st and 2nd spray was given and also explain why the crop was sprayed at that time. 3. Mention how you collected population data and calculated the per cent pod damage 4. Experimental design and replications ae not mentioned. 5. How did you calculate the benefit cost ratio? Include information regarding the costs incurred. 6. Mention the name of the natural enemies if possible. 7. Are Thiamethoxam and Dimethoate recommended by CIBRC for managing legume pod borer in cowpea? 8. Mention which multiple comparison test has been used. 9. It is not clear whether the insecticides were sprayed simultaneously or how the treatments were applied. Results and discussion 1. Precount data is not added in the tables. 2. In Table 1, after the first spray, the pest population and flower damage increased. How is this possible? Please justify. 3. Results are not clear as pre count data is missing 4. In untreated control population should be increasing. 5. Only one year data has been given. 6. Recent references should be given in discussion. 7. Mention the abbreviations in proper place.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>More references may be added. Use uniform style. Follow the guideline of the journal.</p>	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Language should be improved. Proper restructuring is needed.</p>	
<p><u>Optional/General</u> comments</p>	<p>Only one year's experimental data is provided.</p>	

PART 2:

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

Reviewer Details:

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