

Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_81121
Title of the Manuscript:	Impact of Fall Army Worm (FAW) (Spodoptera frugiperda) on the Yield of Maize under Western Agro Climatic Zone of Tamil Nadu
Type of the Article	Original Research Article

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijpss.com/index.php/IJPSS/editorial-policy>)

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PART 1: Review Comments

	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>Compulsory REVISION comments Background to the study</p>	<p>Background to the study The author needs to bring out the problem or urgency for the study especially what is lacking about or knowledge gap about ecological practices in negatively affecting FAW prevalence or positively affecting Natural enemies prevalence</p> <p>The author should give statistics about yield losses on maize as a result of FAW attack. This information could be related to different maize growth stages and attack accordingly. This same paragraph needs to highlight the current maize production data and yield losses that are attributed to the FAW invasion</p> <p>There is need for the author to also mention about pesticide resistance cases that have been reported for FAW. This could help to justify a need to adopt sustainable ecological practices in maize production agroecologies</p> <p>Methodology Need to explicitly spell out the data parameters collected The author should include the data analysis system adopted/used Indicate the frequency of data collection as this has relationship with pest and natural enemies prevalence Indicate what was the control or check in the experiment Include the rates of chemical application, frequency of application, were the chemicals applied as combinations or sole?</p> <p>Results There is need for the author to conduct correlational analysis of leaf damage and yield losses The results FAW incidence is very necessary and help to communicate the effect of the study treatments on FAW and yield</p> <p>Discussion of study findings The author should consider discussing his findings in relation to published or existing literature</p>	
<p>Minor REVISION comments</p>	<p>Include the intercrop ratios used (How many rows of maize and how many of soybeans were used State which were the main plot factors and which were sub plot factors (These need to be spelt out) Pay attention to consistency in writing for example Fall Army Worm Vs Fall Armyworm There is need to check grammer because it potentially distorts flow and urge to read the work The title of the study does not relate well with work. There is need to restate it to bring out the elements of ecological pest management experimented here</p>	

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Optional/General comments	Some of my comments and suggestion are contained in the manuscript in track changes in the manuscript	
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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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i> It is good to discuss work inline with what others have done The methodology should be very clear to allow for replicability of the study	

Reviewer Details:

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