



SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_43402
Title of the Manuscript:	Light-emitting diodes (LED) as luminous lure for adult Spodoptera frugiperda (J. E. Smith, 1797) (Lepidoptera: Noctuidae)
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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
Compulsory REVISION comments	- Use the term integrated pest management (IPM) instead of pest integrated-handling in the abstract; - Line 12: <i>Spodoptera</i> (genus) in italic; - Need to better define the objectives of the study; - 2.1 – <i>Spodoptera frugiperda</i> rearing. Replace others words “raising” for “rearing”. - Is there any reference for the insect rearing? - How much of each ingredient of the artificial diet adopted? - Line 75: word “yellow” is repeated; - Organize the table 2 for the highest value and present the statistical values absent in the results section for each analysis (F; df; CV; P). - Why the analysis of attractiveness considered 48h instead of 72h of exposure period? Better describe the statistical analyses in the methodology section for each result presented in the study; - Table 3 was not cited in the draft; - Need to better discuss and present other studies of the attractiveness rate comparing males and females from other species. - In the conclusion: no significant statistical differences were detected regarding the color of the lamp and the genders of the captured insects after 48 hours of exposure to the treatments.	-Suggested answer; -Suggested answer; -There is a reference for using the artificial diet to create the insect. _ This information has been inserted into the current article. -Correction done -The intermediate result was considered between 24 and 72 hours. -Correction done -Suggested answer;
Minor REVISION comments	- In the abstract, specify the exposure periods, how many adults of <i>Spodoptera frugiperda</i> were used per experiment and what was considered “attractiveness rate”. - Lines 23-31: Need to explain the importance of the pest monitoring in the context of integrated pest management. What traps and capture methods are used to collect <i>S. frugiperda</i>? - Lines 47-53: Does the method have any disadvantages? - Table 2: although the green color presented a higher attractiveness rate, it did not differ statistically from the yellow and white colors. Better describe the relations between the lamp colors. - For each species mentioned in the draft, for the first time, insert taxonomic information “(order: family)”.	- suggestions accepted -The disadvantage does not overlap the many advantages, so it has not been emphasized in the article. - suggestions accepted



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	- English review is required.	
<u>Optional/General</u> comments	- Important information regarding the attractiveness of an important pest using Ultra LED lamps as light source in different wavelengths and exposure period.	-We appreciate the care and attention when correcting our article.