



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_15609
Title of the Manuscript:	Comparative performance of Pyrethrum (<i>Chrysanthemum cinerariifolium</i> Treviranus) extract and Cypermethrin on some field insect pests of groundnut (<i>Arachis hypogea</i> . L.) in southeastern Nigeria.
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	The paper presents some very interesting results and actually compared the use of two control methods one being cypermethrin and the botanical pyrethrum. The two treatments performed well as compared to the control. This finding could be an opportunity in the groundnut sector. However there are numbers of concerns on paper that needs to be address. Author did not specify when the experiment was conducted and for how many seasons. Author needs to clarify whether this was rain fed or watered using irrigation system. Author needs to mention the rate of application in the Materials and methods for commodity reason Data analysis: I assume these were count data and before using for anova, the normality assumption was checked otherwise you need to do Generalized linear model. Please indicate if data are normally distributed if not, anova would be wrong. Also author did not clarify on the numbers of repetitions and replicates. 24beds would not add much information on the statistics. Please describe the statistics in a more detailed fashion for other to the sake of repeatability.	Thank you for the observation. It was mentioned in the Abstract. We have now inserted it in the Materials and Methods. The clarification has been made. The rates of application were clearly stated both in the Abstract and in the Materials and Methods. Data were normally distributed. The number of replications was inserted in the Abstract. We have also added it in the appropriate place. That has been done.



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Minor REVISION comments	Line 17-24: On the importance of groundnut, please give a global overview and narrow down to specific eg. in SSA. Line 36-40: The paragraph is needs references Line 43-56: Add more references Line63-67: Author needs to define clearly the objective of the study based on the hypothesis and maybe extend his expectations. Materials and Methods Author did not specify when the experiment was conducted and for how many seasons. Author needs to clarify whether this was rain fed or watered using irrigation system. Author needs to mention the rate of application in the Materials and methods for commodity reason 2.5 Manure Application What was the ration manure/soil? WAP stands for Week after planting please indicate in the text Line 119:”The different levels of plant extracts” please be specific Line127-128: What key did you use for identification? Or was it done at an taxonomic institute please indicate Line 148: “The shell weight measurement was carried out after drying.” Please elaborate Line 152-154: “The pod density was assessed twice.	Observation noted and effected. Very true. We have added references. Very true. We have added references. Authors feel the objectives were clearly defined. It has been inserted. It has been clarified. The rates are clearly stated. We stated that it was incorporated 2 kg per bed as basal treatment. WAP has been explained in the Abstract and text. The levels were clearly stated in the Abstract, Materials and Methods and the Results. We identified at the taxonomy laboratory of Institute for Agricultural Research, Ahmadu Bello University, Zaria, Nigeria. The method used has been inserted.
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	First, immediately after harvest, the pods from each bed were washed to remove soil and then weighed in the field. The second measurement was taken after drying.” Please elaborate more.	
Optional/General comments	The paper presents some very interesting results and actually compared the use of two control methods one being cypermethrin and the botanical pyrethrum. The two treatments performed well as compared to the control. This finding could be an opportunity in the groundnut sector. However there are numbers of concerns on paper that needs to be address.	Observation noted and acted upon.