



SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_30689
Title of the Manuscript:	Factors influencing tomato farmers' perception of climate variability: evidence from the Offinso North District, Ghana
Type of the 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	-Line 122: Start numbering the equations from $n = N / 1 + N (e^2)$ (1) And so on..... - The authors did not perform the correlation analysis of the various explanatory variables before putting them in the model. For example variable like age and farming experience are usually correlated and one of them is likely to be dropped from the model. Lack of doing this analysis put a bias on the results of the model. - Considering climate variability (dependent variable) as a whole seems to be hiding a lot of information. The model should be run according to change in temperature, change in the rainfall, etc.... Meaning that these variables should be considered as dependent variables. - The authors did not plot the graphs of the various climate parameters time series to cross-check the farmers' perceptions with the reality. - The results of the regression model are not discussed (should be compared to similar studies undertaken in the same area or in the region).	-We have duly re-numbered the equations as directed. -We performed a correlation analysis between the various explanatory variables, however, the results showed an insignificant relationship ($p > 0.05$) between them. Therefore, the biasness on the model was reduced if not eliminated. -A new regression analysis have been run to ascertain the relationship between climate variability (changes in temperature, changes in rainfall pattern and changes in the intensity of solar radiation) and the socio-demographic characteristics of the respondents. - An inter-annual rainfall and temperature variability trend graphs have been added to the work, and the necessary comparisons have been made. - The results of the regression model have been revised and duly discussed with supported relevant literature.



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<u>Minor</u> REVISION comments	Line 145: Instead of intercept use y-intercept	The correction has been duly effected.
<u>Optional/General</u> comments		We are very much grateful for your comments.