



SDI Review Form 1.6

Journal Name:	Asian Journal of Agricultural Extension, Economics & Sociology
Manuscript Number:	Ms_AJAEES_21886
Title of the Manuscript:	IMPACT OF CLIMATE CHANGE ON SOYBEAN PRODUCTION IN LAPAI LOCAL GOVERNMENT AREA OF NIGER STATE
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.

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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(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)</i>
<u>Compulsory</u> REVISION comments	<u>Literature and referencing:</u> The reference style does not follow the style of SDI Journals, please correct. Adams, 1989 (line 56) should be Adams, 1998 – as is listed in References Loo, 1978 (line 62)) is not listed in the References section. Eid et al 2002 (line 64) should be Eid and El-Marsafawy 2002. NPC, 2006 (line 77)) is not listed in the References section. There are two references starting with Mendelson, R, Nardhaus..... (1994), in line 213 and in line 216, and the latter is incomplete. Please correct the names: Mendelsohn, Nordhaus, in both, complete the details of the second item, and also use the (1994a) and (1994b) indications in the dates, because in the text the reference is Mendelsohn et al 1994 for both!. Please make the necessary corrections in the text, too, accordingly. <u>Introduction and methodology:</u> Well written, a few minor comments are listed below. However, it would be very useful to give the averages of the farmers analysed: land size, current yield, annual rainfall, average temperature, net revenue, etc. – otherwise it is difficult to interpret the magnitude of your results. <u>Results:</u> The analysis was correctly carried out, and the results are clearly presented. <u>Discussion:</u> The author should clearly specify that the findings are valid for a certain temperature and rainfall range. Eg. in line 139 the author says that increasing rainfall leads to decreasing soybean output. As it is true for the rainfall range that was statistically tested, it is certainly not true in the annual rainfall range of 0 or 1 mm to 10 mm or similar. Please give clearly the temperature and rainfall ranges that your data covered. in line 158-164: As the author does not give the baseline of net revenue, it is difficult to interpret that a 1% increase of humidity leads to N106,2018.08 increase in net revenues. Is it a large scale change or a small one, 1 % or 50 %? <u>Conclusion and Recommendations</u> This section, although short, is meaningful, However, it would be useful to indicate here	



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	– besides the relative magnitude of the forecasted impacts – the uncertainties involved in the estimations. Also, some hints should be given about climate forecasts for Nigeria to see, whether a 1% change in climate variables is realistic, or a larger or smaller change is forecasted for Nigeria.	
Minor REVISION comments	line 11: coefficient Of should be: coefficient of line 55-56: Climate Change on Agriculture should be spelled with low-case letters: climate change on agriculture. line 58: Climate Change should be spelled with low-case letters: climate change. line 61: not soyabeans but: soybeans. line 63: Adoption, Marketing and World trend should be spelled with low-case letters: adoption, marketing and world trends. line 65: National production of Soybeans should be: national production of soybeans. line 70: on Soybean should be: on soybean. line 84: the National cereals research institute should be: the National Cereals Research Institute. line 99: given in equation 1 should be: given in equation 2. lines 104 to 113: something is wrong with the suffices, they do not correspond to those in equation 2, please correct.	
Optional/General comments	Although the title of the paper is “climate change impacts”, it does not say much about climate change forecasted for Nigeria, therefore the reader has no information, whether the analysed 1% increase or decrease in climatic variables, as used in the analysis, is a realistic estimation for Nigeria’s future climate, or just arbitrary choices to test. The paper does not contain any figures, although some of the results could be presented better in graphical form, I would particularly be interested in seeing a graphical presentation of the fit of the OLS estimations. I also miss the brief summary of the basic data values, that were used in the estimation – climate, yield, incomes, as well as the estimated values for the 1% changes in the independent variables. As I indicated a few issues, which may require some extension of the paper, the author may struggle with limitations on the length of the paper; therefore, I suggest that the explanations of the two equations - currently 1.5 pages - may be somewhat shortened.	

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