



SDI Review Form 1.6

Journal Name:	Journal of Agriculture and Ecology Research International
Manuscript Number:	Ms_JAERI_40813
Title of the Manuscript:	Assessment of Food Crop Production in Relation to Climate Variation in Osun State Southwestern 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>)

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		
Minor REVISION comments	The manuscript has made a survey of the trends in production of 9 majorly cultivated food crops in Osun State, southwestern Nigeria and the contribution of the State to the total national food production and impact of climate variations on crop yields. The analysis methods are basically representative and reliable, and the results are useful for understanding and assessing the food crop production in relation to climate variation. Therefore, my reviewing conclusions are positive and recommend the paper to be published, with minor revisions (1)An additional Discussion section is also required in this manuscript, which can get better from intercomparison, interpretation, and assessment of the results presented. (2) For "Table 2. Matrix of correlation coefficient between the crop yields and climate parameters in Osun State, 287 Nigeria from 1992 to 2016", the same value in the correlation coefficient matrix should be omitted, and the authors may give half of the correlation coefficients. (3) For "Table 1. Equations of linear trend of crop yield, cultivated area and production in Osun State, Nigeria from 1992 to 2016.", the significance level of the linear trends should be given.	(1) All authors were of the opinion that separating Results from Discussion or creating additional Discussion section will not give room for smooth discussion of results as already done. We find it neater to combine the two sections to avoid tautology and loss of facts. (2) Done (3) The significant level provided (see line 203)
Optional/General comments	(1) Since the variation in crop yields may largely depend on the combinations of number of interacting factors which are of both climatic and non-climatic components, the quantitative contributions of climatic factors and non-climatic components to the variation in crop yields are anticipated.	Done with addition of R² values in Table 1 and discussions in lines 220-226; 309 and abstract