

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_107873
Title of the Manuscript:	EFFECT OF TILLAGE, CROP RESIDUE MANAGEMENT AND NUTRIENT LEVELS ON GROWTH AND YIELD OF MAIZE (Zea mays L.)
Type of the Article	Original Research Article

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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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. The manuscript is important for scientific community because it deals with the importance of crop residue management among other things, in the management of soil fertility and the dynamics of cereal production. This manuscript provides opportunities to other developing countries (especially in Africa) subject to soil fertility problems, solutions to improve their agricultural production. 2. The title is appropriate but has some redundancies. As presented in the methodology section, conventional tillage is already a form of crop residue management. We suggest as a title: "Effect of crop residue management and application of nutrient levels on growth and yield of maize (<i>Zea mays L.</i>)". 3. <i>Probably for reasons of word count, the abstract has been presented like this. However, some aspects are missing from this abstract: a context and the implication of the study. A sentence that describes the context of the study would provide insight into the merits of the study or the problems this study would lie to resolve. Likewise, at the end of the results, their implication must be highlighted and would allow better valorisation of the study</i> 4. <i>Yes, they are but the presentation of section "Materials and methods" must be more organized. What we be deplore is that the description of the site and that of experimental site are mixed. For the monitoring, we recommend presenting, in a paragraph, the site in all its aspects (location, climate, soil) and after (in another paragraph), the description of experimental device (type of device, dimensions of the subplots, different treatments...) It would also be interesting to present the plant material on these aspects (variety, productivity in a farming environment etc.)</i> 5. <i>Overall, the manuscript is scientifically correct. However, suggestions are given below to improve it.</i> 6. <i>The section "Introduction" presents sufficiently recent references. We salute the author's work on this point. The references are relevant and extensive, mixing works form last century to recent years. Also, please indicate the references for the first two sentences of the introduction.</i> <p><i>- In introductory section, the insufficiency noted is the failure to indicate the objectives of the study. The introduction resume the importance of corn in the Indian economy and the importance of crop residues and the supply of nutrients in the management of agricultural soil fertility, but what issues emerge from all this? What is the purpose and why of conducting this work? This introduction does not present these aspects.</i></p> <p><i>- In the "Materials and methods" section, some essential elements are missing for a better reading of the results. In order to duplicate the study on other sites, it would be important to specify how the data was collected and what types of data were used (raw data, average data or extreme). To better understand the effects of treatments on growth and yield, it is also necessary to specify the statistical analyses carried out, the related software and the threshold of significance. It would also be important to specify the cultural past of the site: this could influence the various results found.</i></p> <p><i>- In the section 'Results and discussion', are productivities found higher than those obtained nationally? Said comparison must be presented in the discussion and could lead to a popularization of treatments allowing in the country in absence of more in-depth research on the short/medium term for example.</i></p>	

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Minor REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?	The language is quality of article suitable for scholarly communications.	
Optional/General comments		

PART 2:

	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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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