



SDI Review Form 1.6

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_20792
Title of the Manuscript:	ASSESSMENT OF DIFFERENT LAND PREPARATION FOR SAWAH FARMING TECHNOLOGY DEVELOPMENT IN NUTRIENT MANAGEMENT AND RICE GRAIN YIELD IMPROVEMENT IN INLAND VALLEYS OF 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	<p>This manuscript is the report about Sawah management on soil property and lowland rice yield. It is valuable for readers.</p> <p>However, the MS include serious flaws in the discussion about the result dataset especially on statistical issue, and neglect of readability for journal readers. So it is very difficult to understand author's assertion. To make more understandable, tables need to be remade as Figures.</p> <p>Statistical method need to be chosen appropriately. Further, authors discuss the effect of Sawah management using mean values of five amendments, but organic amendment possibly disturb the effect of tillage. So effect of sawah management must be discuss using data from CT treatment.</p> <p>Further, this paper should be divided into two paper 1) effect of various sawah management on soil properties and rice yield, 2) effect of OM amendment on sawah management. Authors little discuss about OM amendment in this MS.</p> <p>As a whole, MS should be highly re-arranged, to be published</p>	<p>Remaking or changing the tables into figures will require multiple figures presentation to represent information/data on each table for clarity to be arrived at. This is considered inappropriate.</p> <p>The discussion made on effect of sawah management using the mean values of the five amendments is appropriate. Effect of sawah management have been discussed in some of my previous publications and other authors' publications such as Nwite <i>et al.</i> 2008 in journal of paddy water environ, Nwite <i>et al.</i> 2010 in journal of water resource and protection, Nwite <i>et al.</i> 2014 in international journal of plant and soil science, etc.</p> <p>Note that this study concerns more on land preparation methods, different amendments and their interactions on soil fertility and rice grain yield improvement.</p> <p>Dividing the paper into two papers may not be appropriate as these two areas the reviewer wants the two proposed papers to</p>



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		highlight have been properly addressed in some of the past publications of mine and other authors (Nwite <i>et al.</i> 2011 in world journal of agricultural sciences, etc).
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<p><u>Minor</u> REVISION comments</p>	<p>I added some comments on attached PDF file. Please find it.</p>	<p>Complete sawah is a modern method of rice production and incomplete sawah system is among the traditional systems of rice production in use in some areas of the study. Many farmers do not level their field and this affect the water distribution in the rice plots which in-turn affect the performance of the rice. We should understand that rice is a water loving plant and needs water throughout its growth period; and levelling always ensure even distribution of the water in the field. The increased rice grain yield in the 3rd year higher than the 1st and 2nd season was a good omen. The increased yield in the third year higher than other seasons could be attributed to the residual effect of amendments and tillage methods adopted. The redundant and exaggerated expression as pointed by the reviewer in the pdf line 335 has been addressed accordingly. The reasons for increased yield in poultry dropping treated plots have been suggested in the text and highlighted in yellow colour.</p>
<p><u>Optional/General</u> comments</p>	<p>This manuscript has the important data. On the other hand, it includes various flaws to publish.</p>	<p>Reviewers' comment on line 111 (PDF) may not be appropriate as the cost of undertaking sawah management have been addressed in some of Wakatsuki publications in the past. Note that the four main plots (the tillage methods) were better understood in the form it was presented, than the suggested table presentation. Reviewers' comment on line 102 has been addressed accordingly. The reviewers' comment on pdf line 333 have been corrected in the text accordingly. The reviewer's comments in the conclusion section have been addressed properly.</p>