

**Review Form 3**

Journal Name:	<b>Asian Journal of Soil Science and Plant Nutrition</b>
Manuscript Number:	<b>Ms_AJSSPN_122835</b>
Title of the Manuscript:	<b>Productivity and profitability of sunflower [<i>Helianthus annuus</i>(L.)] under different straw management options in rice fallows</b>
Type of the Article	<b>Original Research Article</b>

## Review Form 3

### PART 1: Review Comments

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>This manuscript is important for the scientific community as it provides valuable insights into optimizing sunflower productivity and profitability through different rice straw management strategies in rice fallows. The study's findings on the benefits of incorporating rice straw with adjusted C and C:N ratios, as well as zero tillage with straw retention, offer practical implications for sustainable agriculture, especially in regions practicing dry direct-sown rice. The research supports sustainable agricultural practices that can help in reducing residue burning and promoting soil conservation. I appreciate this manuscript for its focus on sustainable residue management options that can enhance the performance of subsequent crops while addressing environmental concerns associated with straw burning.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p><b>YES.</b></p>	
<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p><b>YES.</b> The authors could add 1-2 sentences to summarize the rationale of the research at the beginning of the abstract, instead of stating the methodology right away.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p><b>YES.</b> However, it is better to have subsections for the methodology and parallelize it with the results and discussion.</p>	
<p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>This manuscript appears scientifically robust and technically sound due to its well-structured experimental design and comprehensive evaluation of multiple straw management strategies over two consecutive rabi seasons. The study provides clear, consistent, and statistically significant results regarding plant growth, yield attributes, and economic returns, which reinforces the reliability of the findings. Additionally, the manuscript's consideration of multiple variables, including economic parameters like net returns Cost of cultivation, gross returns, net returns and benefit cost ratio, enhances its relevance for both scientific and practical applications in sustainable agriculture.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p><b>YES.</b></p>	
<p><b>Minor</b> REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p><b>YES.</b></p>	
<p><b>Optional/General</b> comments</p>		

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**PART 2:**

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

**Reviewer Details:**

Name:	<b>Arvin Joshua P. Barlongo</b>
Department, University & Country	<b>University of the Philippines Los Banos, Philippines</b>