

Review Form 3

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_127575
Title of the Manuscript:	Production potential of diversified intercropping system in paired row rice in summer fallows
Type of the Article	

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)	It does not quite reflect the relevance of the study. I suggest " On-farm Productivity and Profitability of Paired-Row-Rice Diversified Cropping System in Arid Region of India "	
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.	Authors must describe the problem to address in the introductory part of the abstract to facilitate readers to track the relevance of this study.	
Is the manuscript scientifically, correct? Please write here.	Yes. However, there are many ingredients to address in order to enrich it.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	No. "Monocropping vs mixed cropping systems under a changing climate: Smallholder farmers' perceptions and farm profitability in Eastern Rwanda"; "Assessments of the productivity and profitability of diverse crops and cropping systems as influenced by conservation agriculture practices under a semi-arid rainfed environment of western India"; "Crop Diversification in Rice-Based Cropping Systems Improves the System Productivity, Profitability and Sustainability"; "Conservation Agriculture for Rice-Based Intensive Cropping by Smallholders in the Eastern Gangetic Plain"	

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<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>The manuscript requires many inclusions: The introduction part misses the following: 1. Authors must clearly describe the real problem that this study addresses and identify the research gap supported by literature reviews. Authors also must showcase objectives of the study, and also explain the contributions of the study to society (relevance of the study). 2. While observing the introduction references several relevant studies specific to Indian contexts, this current approach may limit the study's relevance to a broader, international readership. Given that readers from diverse regions may benefit from understanding this topic has been addressed globally, incorporating a more extensive literature review that includes studies from other regions could highlight the novelty and universal applicability of your findings. The materials and methods part misses the following: 1. The experimental site must be mapped and well-characterized. For instance, pedogenic, physicochemical and biological characteristics of the soil of the site must be documented in this manuscript. Prior crops and landscape characteristics might be included to facilitate readers to understand the real site context prior to experimentation. 2. Authors must draw experimental layouts and clearly showcase how treatments randomized in the plots. 3. When collecting data, authors must identify the parameters collected (e.g., plant height, number of tillers, and LAI) and explain why some parameters were not collected such as basal diameter. Are there kinds of literature supporting their study that there are no significant changes in basal diameter of rice and intercrops under a diversified cropping system? What's about pods? Authors must also describe how those parameters were collected (i.e., tools and procedures) and the computational formulas of LAI (if applicable). Authors must also explain how they obtained economic parameter data, how they collected them (tools and procedures) supported with literature, and the strategic way forward to reach the results. 4. Moreover, authors must also indicate statistical tools used to analyze the data, statistical parameters selected for describing the results and why in order to ease reproducibility. The conclusion part must consider the following: 1. Based on the results part, there are no findings on soil health parameters tested in this study. Thus, I advise authors to remove soil health in this subject and conclude based on the findings they have. 2. This part could end up with the inclusion of policy implications and future investigation.</p>	

PART 2:

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

Reviewer Details:

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