

## Review Form 1.7

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_118822</b>
Title of the Manuscript:	<b>EFFECT OF CROP ESTABLISHMENT METHODS AND PRECISION NUTRIENT MANAGEMENT ON GROWTH, YIELD ATTRIBUTES AND YIELD OF RICE UNDER RICE-WHEAT SYSTEM</b>
Type of the Article	<b>Original Research Article</b>

### **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:

(<https://www.journalijpss.com/index.php/IJPSS/editorial-policy> )

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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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><b><u>Compulsory</u></b> REVISION comments</p> <p><b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p><b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p><b>3. Is the abstract of the article comprehensive?</b></p> <p><b>4. Are subsections and structure of the manuscript appropriate?</b></p> <p><b>5. Do you think the manuscript is scientifically correct?</b></p> <p><b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p>Yes, this article can be beneficial for the scientific community as it can provide new knowledge in the development of sustainable agricultural practices, especially for those interested in agriculture and natural resource management. The article provides information about agricultural methods that have the potential to enhance yield and efficiency in rice- wheat cropping systems, which are crucial aspects of Indian agriculture. This article discusses the Conservation Agriculture (CA)-based crop establishment methods, which are internationally recognized approaches to reduce soil degradation and enhance agricultural productivity in the long term. The article outlines the use of location-specific nutrient management recommendations based on the Rice-Wheat Crop Manager (RWCM) model, which can assist farmers in optimizing fertilizer use and improving crop yields. The findings in this article have practical implications that can be applied by farmers and agricultural practitioners to enhance rice crop yields in the eastern Uttar Pradesh region, as well as to promote sustainable agricultural practices.</p> <p>Yes</p> <p>Yes, however, in the abstract section, the CE4 crop establishment method is mentioned twice with slightly different explanations. This causes confusion as there should be one consistent explanation for the CE4 method. "CE4: Zero-till DSR-Zero-till wheat (residue retention in rice and wheat) and CE4: ZTDSR-ZTW (Anchored rice and wheat residue retained)" should be either merged or their differences explained if any.</p> <p>Yes</p> <p>Yes</p> <p>No, there are several reference sources that are incomplete, such as their publication years.</p> <ul style="list-style-type: none"> <li>• "RWCM-based nutrient recommendation among the sub plot treatments replicated thrice." This sentence is repeated twice in the abstract paragraph, creating unnecessary redundancy.</li> <li>• In the materials and methods section, "RWCM" and "Rice Wheat Crop Manager recommendation" are mentioned, which could cause confusion as they both refer to the same thing but are written differently. Consistency in terminology is crucial.</li> <li>• In the materials and methods section, there is no detailed explanation of the specific fertilizer doses used in each treatment in nutrient management, particularly the differences between N1, N2, and N3. For example, in a certain section, the dose for</li> </ul>	

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	<p>N1 is mentioned, but it is interrupted without complete information: "in N2 it is 150..."</p> <ul style="list-style-type: none"><li>Throughout the article, especially in the results and discussion section, information about the two years of study is often repeated without a clear flow. This leads to confusion about whether the data are different or similar in both years.</li></ul>	
<b>Minor</b> REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?	Good	
<b>Optional/General</b> comments	The article should be crafted with utmost precision to avoid any misinterpretation.	

## PART 2:

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

### Reviewer Details:

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