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| Journal Name: | [**International Journal of Plant & Soil Science**](https://journalijpss.com/index.php/IJPSS) |
| Manuscript Number: | **Ms\_IJPSS\_133510** |
| Title of the Manuscript: | **Assessment of Phenotypic Stability and Yield Performance in Three-Line Rice (Oryza sativa L.) Hybrids Across Nigeria Agro-Ecologies.** |
| Type of the Article | **Original Research Article** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **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.** | **This study provides critical insights into the performance and adaptability of hybrid rice varieties across different agro-ecological zones in Nigeria. Given the country’s significant rice production deficit, the identification of high-yielding and stable hybrids, such as IR138982H, offers a viable strategy to enhance food security and reduce dependence on rice imports. The research also highlights the influence of genotype-environment interactions on key agronomic traits, reinforcing the need for region-specific hybrid deployment strategies. These findings contribute to ongoing global efforts to improve hybrid rice breeding and optimize its adoption in diverse climatic conditions.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Yes** | Yes |
| 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. | **Na** |  |
| Is the manuscript scientifically, correct? Please write here. | Yes correct | Yes |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Na | Yes |
| Is the language/English quality of the article suitable for scholarly communications? | Yes | **Yes** |
| Optional/General comments | **This manuscript presents a well-structured and insightful evaluation of hybrid rice performance, offering valuable recommendations for improving rice productivity in Nigeria.** |  |

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| **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?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |