Review Form 1.7

Journal Name:	**International Journal of Plant & Soil Science**
Manuscript Number:	**Ms_IJPSS_104154**
Title of the Manuscript:	**Determination of yield and economics of Rice (Oryza sativa L.) Hybrids Under Agro- Climatic Conditions of Prayagraj**
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:

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

Review Form 1.7

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 **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**The manuscript is important for scientific community.** **It content scientific information regarding weather conditions prevailing in the region for cultivation of hybrid rice.** **Yes, title is suitable for the article.** **Yes, the abstract of the article is comprehensive. The data regarding organic carbon, available Nitrogen, Phosphorus, and Potash are not matches with material and methods.** **Subsections and structure of the manuscript are appropriate.** **Yes, I think the manuscript is scientifically correct.** **References are sufficient and recent. Add reference of Padmavathi's 1997. Oryza sativa should be in italics.**	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	Language quality of article is suitable for scholarly communications.	
Optional/General comments	The manuscript should be recasted as per following suggestions. Section 2 RESULT AND DISCUSSION 2.1 Growth parameters 2.1.1 Plant height (cm) At 90 DAT the higher plant height was observed in Rice hybrid R 77 (131.24cm). However, treatment Rice hybrid R 190 (130.14) was statistically at par with Rice hybrid R 77. According to [10], ….. 2.1.2 Numbers of tillers/hill At 90 DAT the statistically significant highest number of tillers were observed in Rice hybrid R 190 and Rice hybrid R 311 (16.68). Significant disparities may link….. 2.1.3 Plant dry weight (g/plant) At 90 DAT the ….. How, rice hybrid R 127 (57.96), Rice hybrid R 504 (57.75), Rice hybrid R 600 (57.94), Rice hybrid R 170 (57.91) and Rice hybrid R 40 (56.96) which were statisticallyat par with Rice hybrid R 190. 2.2 Yield parameters: 2.2.1 Number of tillers/meter^2 All rice hybrids studied in the experiment showed non-significant difference for tillers/m2. However, the maximum number of tillers/meter2 observed in Rice hybrid R 190 (392.54) and minimum was found in Rice hybrid R 107 and Rice hybrid R 400 (252.69). High tillering capacity is ….. 2.2.2 Panicle length Recast whole section as it is found that SEm and CD values are beyond the range of data. 2.2.3 Grain yield (t/ha) The data showed the significantly higher grain yield/ha was observed in Rice hybrid R 190 (5.95 t/ha). However, other 36 hybrids were statistically at par with Rice hybrid R 190. Grain yield per plot, grain yield/meter^2, and grain yield/ha, ……. As a result, [19] work is conformed too. 2.2.4 Straw yield (t/ha)	

	The data showed the significantly higher straw yield/ha was observed in Rice hybrid R 190 (12.77). However, Rice hybrid R107 (12.26), Rice hybrid R 165 (12.03), Rice hybrid R 300 (11.72), Rice hybrid R 458 (12.51), Rice hybrid R 600 912.51), and Rice hybrid R 77 (11.23), were statistically at par with Rice hybrid R 190. According to …	

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)*	

Reviewer Details:

Name:	**J. K. Patel**
Department, University & Country	**Agricultural Research Station for Irrigated Crops, Anand Agricultural University, India**