

Review Form 1.7

Journal Name:	Asian Journal of Research in Crop Science
Manuscript Number:	Ms_AJRCS_113880
Title of the Manuscript:	Comparative performance of different fertilizer Recommendation methods on growth and yield of rice in Old Brahmaputra Floodplain soils
Type of the Article	Original Research Article

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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)
<p><u>Compulsory</u> REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p> <p>Yes</p> <p>No</p>	<p>The authors are grateful to reviewer for the critical review for improving the manuscript.</p> <p>The abstract modified as suggested.</p> <p>The structure of the manuscript changed according to reviewer comments.</p>
<p><u>Minor</u> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p><u>Optional/General</u> comments</p>	<p>The experimet must be two year to check the validity of the research result. This objective is not clearly addressed in the result. Please calculate the Economic Analysis to know the net return. To check the feasibility of the research include the cost benefit analysis. The soil analysis result must be included here. How much N, P, K,S amount have before planting in the soil? Caculate the agronomic Efficiency ? Why did you use DRMT ? As you have planned comparison, you must use LSD or Tukey Test not DRMT. DRMT is used for Unplanned Comparsion, If you havn't control treatment. But in your experiment there is a control treatment (0) fertilizer rate. You must use LSD, the planned comparsion. Use the Partial Budget Analysis Formula. To calculate Marginal Rate of Return ?? Eco-friendly approach How it can be ? because you are using chemical fertilizer totally? To say this at least you must use organic fertilizer ? From eco-friendly approach point of view T2 (Farmer Practice) is best than your recommendation (T4) Because the amount of fertilizer used in T4 is much greater than T2. So, the amount of fertizer increase the side effect on the environment and soil health is also increase.</p>	<p>The authors completed only a year experiment. This will give insight to different fertilizer recommendation methods practised in Bangladesh. The objectives are clearly stated as instructed. The authors did not do economic analysis including partial budget and marginal rate of return as there are not significant differences among the fertilizer cost in different methods. All other cost were similar. The soil analysis results included as suggested. The authors did not do agronomic efficiency analysis. The DMRT can be used in this type of experiment. There are plenty of references. For example: Sultana M, Jahiruddin M, Kibria MG, Hosenuzzaman M, Abedin MA. 2023: Applying organic amendment enriches nutrient status of municipal solid waste compost and its application enhances tuber yield and nutrient concentrations of potato. Waste Disposal & Sustainable Energy 5(4) 439-50. The other comments addressed in the manuscript.</p>

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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)	