

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_77506
Title of the Manuscript:	Effect of Integrated Nutrient Management (INM) Modules on yield, yield attributes and profitability of Indian mustard [Brassica juncea (L.)] in Western U.P.
Type of the Article	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:

(<http://peerreviewcentral.com/page/manuscript-withdrawal-policy>)

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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>Compulsory REVISION comments</p>	<p>After careful reviewing the manuscript, I propose/ suggest serious major revision as illustrated:</p> <ol style="list-style-type: none"> 1. The title should be specific as Nutrient Management or Nitrogen Management? Throughout the manuscript it is not clear whether recommended dose of P₂O₅ and K₂ O was applied or not. And please check RDF or RDN also. 2. The abstract of the manuscript should be reorganized as per the format of the Journal and must focus on the salient features of the experiment with only emphasizing objective/s, Design of the Experiment, Experimental Site and brief procedure of Methodology and elaborate findings with robust recommendation. 3. Some latest references in Oilseed Research on the specific aspect should be incorporated for improving quality of the paper. 4. Please Check the Material and Methods: As anomalies are found with Abstract and also incorporate the references of soil analyses. 5. Were the quality parameters (Protein and Oil Content) assessed? If so what procedure was followed should be included with proper citation. 6. It is better to cite Latitude, Longitude of the Experimental site in place of distance from National Highway. 7. Please check T3 whether RDN or RDF? 8. Irrigation Scheduling or other crop culture should preferably be reflected in Material Methods. 9. Please check the crop geometry (Row and Plant alignment) and also check NPK or N, P₂O₅, K₂O? 10. Please mention the percentage of nutrient composition particularly nitrogen in vermicompost, poultry manure, press mud compost etc. through which particular portion of nitrogen was substituted and mention it in the manuscript. Was the estimation of nutrients done before application in field? If so mention it. Mode and time of application of organic nutrients also should be reflected. 11. Brief and very specific procedure for observations under study like yield attributes, yield, economics of production etc. must be reflected in Materials and Methods. 12. Please improve materials and Methods with deletion of some repetition and addition of useful references of statistical analysis, soil analyses etc. 13. Please check Line No 7 of Result and Discussion and replace it with "statistically at par with T9 and T7 whereas significantly superior than rest of the treatments." 14. Check and rectify the data pertaining to Biological Yield in T1, T9 Harvest Index in T2 and T6 in Table No 2. 15. Please revise the Result and Discussion portion accordingly with proper statistical interpretation. 16. The calculation of Net Return and Benefit Cost Ratio in T8 and T9 in Table No 4 need special correction and accordingly the interpretation of economic profitability to be modified and rectified. 17. References should be as per the specific standard and requirement of the Journal, anomalies are found that to be rectified. Some citation is missing in Reference section like Kumawat <i>et al.</i> (2014) on the contrary Kumar <i>et al.</i> (2011) reflected twice. 	

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	18. No specific numbering has been found in Material and Method, Result and Discussion etc.	
Minor REVISION comments	<ol style="list-style-type: none"> 1. The profitability of crop or economic analysis in a nutrient management experiment is better established / realized through Partial Factor Productivity (PFP) of nutrients and VCR (Value Cost Ratio). The Authors may be encouraged to go through the following link https://doi.org/10.3390/agronomy11091860. Inclusion of such parameters may improve the quality of the manuscript. 2. Some typographical mistakes have been found throughout the manuscript, need to be rectified. 3. In conclusion there is mention of improvement of soil physico-chemical properties but postharvest soil analyses report not incorporated that may strongly support the finding. 4. The abbreviation of U.P and name of country may be added in Title. 5. Add the word “through” after RDN wherever applicable. 	
Optional/General comments	The competing interest, conflict of study, future scope of research etc. may be reflected in the manuscript. The experimental data should preferably be checked carefully.	

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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