

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_126476
Title of the Manuscript:	Effect of Integrated Nutrient Management Practices on Growth, Yield and Economics of mustard (<i>Brassica juncea</i> L.) grown in North Eastern Ghat Zone of Odisha
Type of the Article	Effect of Integrated Nutrient Management Practices on Growth, Yield, Quality and Economics of Indian mustard (<i>Brassica juncea</i> L.).

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	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)
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>It has been identified that the productivity of mustard is very low due to poor soil fertility status especially secondary and micronutrients. Therefore, there is need to apply nutrients in balanced manner to enhance the mustard productivity. The present study helps to find out the best /optimum Integrated fertilizer management practices to enhance the mustard yield as per climatic and type of soil.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Suitable but some changes require as I suggested.</p> <p>Title is lengthy so need to short as "Effect of Integrated Nutrient Management Practices on Growth, Yield, Quality and Economics of Indian mustard (Brassica juncea L.)"</p>	
<p>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.</p>	<p>Comprehensive but I suggested in effective and scientific way as "A field experiment was conducted to assess the effect of integrated nutrient management practices on growth, yield and economics of mustard during the <i>rabi</i> season of 2022-23 at farmer's field in Kandhamal district of Odisha under Krishi Vigyan Kendra, Kandhamal, OUAT, Bhubaneswar. The experiment was laid out in Randomized Block Design (RBD) consisted of four treatments with seven replications. The treatments comprised of T₁: Farmer's practice (FYM @ 0.5 t ha⁻¹, average fertilizer @ 20.5-23-0 kg N-P₂O₅-K₂O ha⁻¹), T₂: STBFR + FYM @ 2 t ha⁻¹ + Biofertilizers (<i>Azotobacter</i>, <i>Azospirillum</i> and <i>PSB</i> @ 1:1:1, 4 kg each per ha, T₃: RDF + FYM @ 5 t ha⁻¹ + S @ 25 kg ha⁻¹ and B @ 1 kg ha⁻¹ and T₄: STBFR + FYM @ 2 t ha⁻¹ + Soil application of Zn @ 5kg ha⁻¹ and B @ 1kg ha⁻¹ along with S @ 40 kg ha⁻¹. The significantly higher growth attributes viz., plant height, number of primary and total branches per plant, Yield attributes viz., number of siliqua per plant, number of seeds per siliqua, test weight and seed and stover yield as well as quality and economic parameters viz., oil content, oil yield, gross and net return and B:C ratio recorded under STBFR + FYM @ 2 t ha⁻¹ + Zn @ 5 kg ha⁻¹ + S @ 40 kg ha⁻¹ + B @ 1 kg ha⁻¹ over rest of the tratment combinations."</p> <p>Corrected and suggested in manuscript as required.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>Title: The title is reflecting the main ideas of the article but need to short the title.</p> <p>Abstract: The abstract clearly presents objects, methods and results. Whereas, the abstract is too general and need to improve as per suggestion.</p> <p>Literature review: It is also very but important but not in sequence and significance of the article are explained clearly.</p> <p>Research methods: The research study methods are general and appropriate, somewhere in results are not justify clearly.</p> <p>Figures: need some figures</p> <p>Tables: OK but I suggested some correction.</p> <p>language efficiency: effective and scientific, but need to clarify with step by step or in sequence.</p> <p>Innovation points and structural logic: good</p>	

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Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References are sufficient and recent but need to write in sequence. Whereas supporting reference are not right correctly and once cross-check all the supporting reference of introduction, materials and methods as well as results and discussion in full references.	I suggest some correction in manuscript.
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	The language/English quality of the article is suitable for scholarly communications.	
Optional/General comments	<ol style="list-style-type: none">1. Pls write the abstract as short as and only mention the best results of treatments.2. Need to short the introduction and mention specified about the crop and experimental study.3. In materials and method: write in different section as Study area, Weather, Sampling and analyses, Experimental setup, Observation recorded and Statistical analysis etc. for clarity of articles.4. Results and Discussion: Pls write in results and discussion in common as per best treatment.5. Conclusion: ok.6. Reference are not in alphabetical manner and write the reference in similar pattern.7. Pls add acknowledgement:8. Pls show the data in fig. or in graphical way.	

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>	

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