

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_128920
Title of the Manuscript:	Effect of integrated nutrient management (INM) on growth and yield of chickpea (Cicer arietinum L.) under irrigated condition
Type of the Article	

PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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 manuscript is significant as it addresses the impact of Integrated Nutrient Management (INM) on the growth and yield of chickpea, a crucial pulse crop in sustainable agriculture. The study fills an essential research gap, particularly in optimizing fertilizer use under irrigated conditions to enhance productivity while maintaining soil health. The findings have potential applications in both smallholder and large-scale farming systems and contribute to achieving the United Nations Sustainable Development Goals related to food security and sustainable agriculture.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is precise and clearly reflects the manuscript's content. However, for broader reach and clarity, consider a slight revision: <ul style="list-style-type: none"> "Optimizing Integrated Nutrient Management (INM) for Enhanced Growth and Yield of Chickpea (Cicer arietinum L.) Under Irrigated Conditions." 	
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.	The abstract is generally well-written, but clarity can be enhanced by: <ol style="list-style-type: none"> Defining abbreviations, e.g., "Recommended Dose of Fertilizer (RDF)" at first mention. Briefly describing the significance of biofertilizers (Rhizobium and PSB) in INM. Adding a sentence about the study's broader implications for sustainable agriculture. Suggested Revision: The study highlights that the treatment of 75% RDF + 25% vermicompost (0.75 t ha ⁻¹) combined with biofertilizers significantly improved growth attributes and yield components of chickpea. This finding underscores the role of INM in sustainable intensification of chickpea production.	
Is the manuscript scientifically, correct? Please write here.	The manuscript demonstrates scientific rigor. The experimental design, including a randomized complete block design and appropriate replications, is robust. Statistical analysis via OPSTAT is appropriate for the data. However: <ol style="list-style-type: none"> Provide more details on the biofertilizers used (e.g., species of Rhizobium and PSB) for reproducibility. Discuss any limitations, such as potential variability due to climatic conditions during the study period. Highlight how this study builds on or diverges from existing literature in the discussion section. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references are sufficient and relevant, but recent literature should be included to strengthen the study's contemporary relevance. Suggested additions: <ol style="list-style-type: none"> Studies on advancements in INM practices for legumes. Recent findings on biofertilizer efficacy under irrigated conditions. 	

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Is the language/English quality of the article suitable for scholarly communications?	The language is suitable for scholarly communication but requires minor corrections for grammar and flow: <ol style="list-style-type: none">1. Simplify long and complex sentences in the introduction for better readability.2. Ensure consistent use of technical terms, such as "integrated nutrient management" and "biofertilizers." Suggested Edits: <ul style="list-style-type: none">• Replace: "Among all agronomic factors unbalanced fertilizer application is one of the key agronomic factors limiting chickpea yield."• With: "Unbalanced fertilizer application remains a key limiting factor in chickpea yield."	
Optional/General comments	General Comments <ol style="list-style-type: none">1. Enhance the visual impact by including graphical abstracts or summary tables for key findings.2. Discuss potential challenges in adopting INM practices and propose practical solutions.3. Provide economic analysis to assess the cost-benefit ratio of different treatments.	

PART 2:

	Reviewer's comment	Author's comment (if agreed with the 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 detail)</i>	

Reviewer Details:

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