

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_121241
Title of the Manuscript:	Influence of seed priming treatments on yield attributes, seed yield and economic returns of Barley (Hordeum vulgare L.)
Type of the Article	Original Articles

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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)
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.	This manuscript is significant for the scientific community as it explores the impact of various seed priming treatments on barley yield and economic returns. The findings provide valuable insights into how different treatments can enhance seed yield and profitability, which is crucial for agricultural sustainability and food security. I appreciate the manuscript for its practical implications, particularly the notable yield increase with KNO ₃ and the high economic returns with thiourea.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	It would be better to add rationale or a brief context rather than starting right away with the study objectives. This approach provides a foundation for understanding the significance of the study and its relevance to current agricultural challenges.	
Are subsections and structure of the manuscript appropriate?	Yes	
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.	The study employs a well-structured factorial randomized block design with three replications, ensuring the reliability and reproducibility of the results. By including a detailed account of the treatments, sowing procedures, nutrient management, and statistical analysis, the manuscript provides a clear and systematic approach to evaluating the effects of seed priming on barley yield. Additionally, the thorough economic analysis, considering all relevant costs and returns, adds practical value and relevance to the findings, making the study both scientifically and economically significant.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	I believe the references are sufficient, though many are over 10 years old. Additionally, the formatting and citation of the references are inconsistent; some include DOIs while others do not, and one reference use abbreviated journal names while others are not.	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	It would be best to describe each table sufficiently before directly discussing the results. Given the numerous values presented across the five tables, providing a thorough description first would greatly benefit the readers.	

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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Reviewer Details:

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