

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_127255
Title of the Manuscript:	Development and Seed Production Of Black-Bean With Molybdenum Foliar Application
Type of the Article	Original Research Article

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION 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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	This manuscript, "Development and Seed Production of Black-Bean with Molybdenum Foliar Application," is valuable to the scientific community as it explores the role of molybdenum a less commonly discussed micronutrient in enhancing the growth and seed yield of black beans. Molybdenum is essential for nitrogen fixation and enzyme function, and this study may offer insights into improving legume productivity, particularly in nutrient-deficient soils. I appreciate the manuscript for its focus on sustainable agricultural practices, as molybdenum application could reduce the need for nitrogen fertilizers, thus supporting environmentally friendly farming.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title, " <i>Development and Seed Production of Black-Bean with Molybdenum Foliar Application</i> ," is informative but could be improved for clarity. The use of "Black-Bean" could be simplified to "Black Bean" without a hyphen. A revised title might be "Impact of Molybdenum Foliar Application on Black Bean Development and Seed Production".	
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 provides a detailed description of the experiment's design and methodology, but it could be improved by focus and summarizing the main findings. Here are a few suggestions: The abstract starts with a brief objective but could benefit from a more concise explanation of the study's purpose and key findings. For example, "to determine the optimal molybdenum foliar application rate for enhancing black bean yield." Some of the methodological details, like plot size, soil preparation, and plant spacing, could be condensed or omitted to keep the focus on the research purpose, experimental setup, and results.	
Are subsections and structure of the manuscript appropriate?	The structure and subsections of the manuscript should ideally follow a standard scientific format.	
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.	This manuscript appears scientifically robust and technically sound due to its well-designed experiment, which includes a randomized block design with a factorial arrangement, to examine multiple variables (sowing season, molybdenum dose, and application timing). The study's comprehensive data collection on key yield components (such as pod number, seed count, and thousand-seed weight) provides a strong basis for analyzing the effects of molybdenum application. Multiple molybdenum doses and assessing both dry and rainy seasons, the study also addresses environmental variability, making the findings more applicable to diverse agricultural conditions.	

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Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Many references are somewhat outdated, with some dating back several decades. Adding more recent studies from the last 5–10 years would strengthen the manuscript by reflecting current advancements in molybdenum's role in legume development, particularly in terms of updated agronomic practices and foliar nutrient applications.	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language quality of the article appears generally suitable for scholarly communication. However, some sentences in the abstract and possibly throughout the manuscript could benefit from rephrasing for clarity.	
Optional/General comments	Please add lines number in manuscript it would be help for author to revise the manuscript	

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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