

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_126739
Title of the Manuscript:	Influence of Paclobutrazol on fruiting of Mango in Ultra high density plantation:Effect of Concentration of the chemical and the application method (closeness to the main trunk).
Type of the 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 offers valuable insights into the sustainable use of low-dose Paclobutrazol (PBZ) in ultra-high-density mango plantations, demonstrating effective fruit yield without the adverse effects of high concentrations. Its findings have practical implications for mango growers focused on cost-effective, environmentally mindful practices. I appreciate the study's relevance to sustainable agriculture, though a deeper discussion of long-term environmental impacts would strengthen its contribution.	
Is the title of the article suitable? (If not please suggest an alternative title)	"Influence of Low Concentrations of Paclobutrazol and Application Proximity on Mango Fruiting in Ultra-High Density Plantations."	
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 comprehensive, but it could benefit from a clearer structure and a few additions for completeness. Here are some suggestions: <ol style="list-style-type: none"> Objective Statement: Begin with a clearer sentence on the study's primary objective, such as, "This study examines the impact of low concentrations and varying application methods of Paclobutrazol (PBZ) on mango fruit yield in ultra-high-density plantations." Methodology Details: Briefly mention the number of trees, types of treatments, and application methods tested. This adds context without needing much detail. Key Findings: The abstract effectively reports that low PBZ concentrations produced favorable results. Adding a sentence about the non-significant differences between application methods (close to the trunk vs. further away) would highlight cost-saving implications. Conclusion and Practical Implications: End with a statement on the practical benefits of using low-dose PBZ for sustainable mango production, which could encourage adoption by growers and add impact. By refining these points, the abstract would provide a clearer snapshot of the study's significance, methodology, findings, and practical relevance.	
Are subsections and structure of the manuscript appropriate?	Yes, it is appropriate; there is no need to change anything.	
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, as it follows a well-structured experimental design with appropriate replication and controls to test the effects of different Paclobutrazol (PBZ) concentrations and application methods on mango yield. The methodology is detailed, allowing for reproducibility, and the statistical analysis adds validity to the findings. By using a multi-year study, the research captures yearly variations in yield, strengthening the reliability of the conclusions. The results are presented objectively, and findings align with existing literature, supporting the study's relevance and accuracy in the	

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	context of sustainable horticultural practices.	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>=</p>	<p>The references in the manuscript are relevant but somewhat limited and could be strengthened by adding more recent studies to provide a broader scientific context. Many of the cited sources are over a decade old, which may not fully capture recent advancements in Paclobutrazol (PBZ) application techniques, mango cultivation practices, or sustainable horticulture.</p> <p>Here are a few suggestions for additional references that could enhance the manuscript:</p> <ol style="list-style-type: none"> 1. Recent studies on PBZ and its effects on fruiting and flowering in other crops or high-density plantings, as these may provide further support or contrasting perspectives. 2. Studies focusing on the environmental impacts of PBZ, including soil persistence and any long-term effects on soil health and microbial activity. 3. Research on sustainable horticultural practices in high-density orchards, which could provide context on how this study contributes to eco-friendly practices in agriculture. <p>Including these references would strengthen the manuscript's literature review, show awareness of recent findings, and underscore the study's relevance to current trends in sustainable agriculture.</p>	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Formatting and Grammar:</p> <ul style="list-style-type: none"> • Standardize terms (e.g., "PBZ" vs. "Paclobutrazol") and avoid abbreviations in headings. • Proofread for minor typographical errors (e.g., "MangiferaindicaL." instead of "Mangifera indica L."). • There are many spelling mistakes Like Tamilnad Should be Tamil Nadu and space should be there in between words. 	
<p>Optional/General comments</p>	<ol style="list-style-type: none"> 1. Streamline the abstract and title for clarity. 2. Specify the statistical methods and provide a summary interpretation for each results section. 3. Discuss implications in the context of sustainable agriculture and potential environmental impacts. 4. Include a diagram or table summarizing the experimental setup for easier visualization. <p>Overall, the manuscript presents valuable findings on PBZ's role in mango cultivation, but enhancing clarity, consistency, and contextual relevance will improve its impact and readability. Let me know if you would like further details on any specific section!</p>	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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