

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_111421
Title of the Manuscript:	Effect of plant growth regulators on yield and quality of cucumber (Cucumis sativus L.)
Type of the Article	Research

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PART 1: Review Comments

	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)
Compulsory REVISION comments 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u>	<p>This manuscript is important for the scientific community as it offers valuable insights into the optimization of cucumber cultivation through the strategic application of plant growth regulators, with specific concentrations of Ethrel and GA3 demonstrating notable improvements in fruit yield and quality.</p> <p>The title of the article is suitable. May the following title also consider.</p> <ol style="list-style-type: none">1. Optimizing Cucumber Yield and Quality with Plant Growth Regulators2. Enhancing Cucumber Yield and Quality through Plant Growth Regulators. <p>Yes, the abstract is comprehensive, offering a concise summary of the study's experimental design, treatments, and significant findings related to cucumber yield and quality influenced by various plant growth regulators.</p> <p>The manuscript is well-organized and follows a clear structure, making it easy to understand the study on how plant growth regulators affect cucumber yield and quality.</p> <p>Yes</p> <p>The references provided in the manuscript include both recent and relevant sources, supporting the study effectively. However, to enhance the comprehensiveness of the literature review, the inclusion of some additional references could be beneficial.</p> <p>Possible additional references to consider for a more comprehensive review:</p> <ol style="list-style-type: none">1. S. K. Pandey et al., "Role of Plant Growth Regulators in Horticultural Crop Production: A Review," Agricultural Reviews, 2021.2. K. S. Jayachandra, "Plant Growth Regulators in Vegetable Crop Production: A Comprehensive Overview," Journal of Horticultural Science, 2022.3. R. Sharma et al., "Recent Advances in Understanding the Role of Ethrel in Modulating Fruit Development in Cucurbits," Frontiers in Plant Science, 2020.4. Patel et al., "Gibberellic Acid: A Key Regulator of Cucumber Growth and Development," Plant Physiology and Biochemistry, 2019. <p>These additional references could contribute to a more up-to-date and comprehensive understanding of the role of plant growth regulators in cucumber cultivation.</p>	<p>Thank you for providing an additional reference for a more comprehensive review.</p> <p>I will adjust the references according to the journal format.</p>
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	<p>The language and English quality of the article are generally suitable for scholarly communication. However, there are some instances where grammatical improvements could enhance clarity. For example, in the abstract, "including different concentration of gibberellic acid" could be revised to "including different concentrations of gibberellic acid." Additionally, in the introduction, the sentence "Cucurbits is the largest group of summer vegetable crops" should be corrected to "Cucurbits are the largest group of summer vegetable crops." Overall, minor grammatical refinements would contribute to the professional quality of the manuscript.</p>	<p>I will implement all minor changes as suggested.</p>

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Optional/General comments	<ul style="list-style-type: none">• Ensure consistency in the use of abbreviations. For instance, "PGRs" is spelled out in the abstract, while later in the manuscript, "PGRs" is used as an abbreviation. Consistency in abbreviation usage contributes to the overall clarity of the manuscript.• While the methods section provides a good overview, consider adding more details on the application process of plant growth regulators, such as the equipment used, application frequency, and any precautions taken during the spraying process.• It might be beneficial to include a brief discussion of any limitations or potential confounding factors in the study, acknowledging the scope and potential constraints of the research.• Conclude the discussion section by suggesting avenues for future research in this area, building on the findings of the current study.	I will make the necessary changes as per your review, focusing on enhancing overall clarity in the manuscript and incorporating additional details where possible.
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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?	(If yes, Kindly please write down the ethical issues here in details)	