

Review Form 1.7

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_112350
Title of the Manuscript:	Enhancing Sustainable Crop Production through Innovations in Precision Agriculture Technologies
Type of the Article	Review article

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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)
<p><u>Compulsory</u> REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> Importance to Scientific Community The manuscript is important for the scientific community as it provides a comprehensive review of recent advances in precision agriculture technologies. It addresses key innovations and their potential to enhance sustainable crop production, optimize input use efficiencies, and minimize environmental impacts. The discussion on adoption barriers, future technology trajectories, and priority research needs adds significant value to the scientific community. Overall, the manuscript is important for researchers, practitioners, and policymakers in the field of agriculture and sustainability. Suitability of the Title The title "Precision Agriculture Technologies for Sustainable Crop Production" is suitable as it accurately reflects the scope and focus of the manuscript. It effectively communicates the subject matter and the primary emphasis on technological advancements for sustainable crop production. Comprehensiveness of the Abstract The abstract provides a comprehensive overview of the manuscript, summarizing key innovations in precision agriculture technologies and their potential impact on sustainable crop production. It effectively outlines the technologies discussed, their objectives, and the challenges associated with their adoption. The abstract is comprehensive and provides a clear understanding of the manuscript's content. Appropriateness of Subsections and Structure The subsections and structure of the manuscript are appropriate, as they effectively organize the content into distinct themes such as remote sensing, variable rate technologies, data analytics, robotics, and advanced breeding techniques. This structure enhances readability and facilitates the understanding of each technology and its implications for sustainable crop production. Scientific Accuracy The manuscript is scientifically correct, as it accurately presents recent advances in precision agriculture technologies and their potential to enhance sustainable crop production. The discussion is supported by relevant literature and research findings, ensuring the scientific accuracy of the content. References The references are not included in the received article file 	
<p><u>Minor</u> REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<p>The language and English quality of the article are suitable for scholarly communications. The manuscript is well-written, with clear and concise language that is appropriate for academic and scientific audiences. The terminology used is consistent with the field of precision agriculture and sustainable crop production.</p>	
<p><u>Optional/General</u> comments</p>	<p>The manuscript could benefit from a more explicit discussion of the potential limitations and challenges associated with the adoption of precision agriculture technologies, as well as the ethical considerations related to their widespread implementation. Additionally, while the manuscript effectively discusses the potential benefits of precision agriculture technologies, it could provide a more balanced perspective by addressing potential drawbacks or unintended consequences of their adoption. Furthermore, the manuscript could benefit from a more in-depth analysis of the economic implications and cost-effectiveness of implementing precision agriculture technologies, as well as the potential impacts on farm labor and employment patterns.</p>	

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PART 2:

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

Reviewer Details:

Name:	Khalid El Moutaouakil
Department, University & Country	Sultan Moulay Slimane University, Morocco