

Review Form 3

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_122246
Title of the Manuscript:	Zero-Tillage Farming Contributes To Improved Yield and Soil Health
Type of the Article	

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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>
<p>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.</p>	<p>The manuscript on zero-tillage farming is highly significant for the scientific community because it explores a sustainable agricultural practice that can potentially revolutionize modern farming. By focusing on the advantages of zero tillage (ZT), such as improved soil health, reduced erosion, and water conservation, the manuscript contributes to a broader understanding of how agricultural practices can align with global sustainability goals. I appreciate the manuscript for its thorough analysis of the technological, environmental, and economic aspects of ZT, offering a comprehensive view of its future potential. This holistic approach not only highlights the benefits but also addresses the challenges, making it a valuable resource for advancing sustainable agriculture.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title of the article, "Adoption of Zero-Tillage Technology: Prospects, Constraints, and Determinants," is quite suitable as it clearly conveys the focus of the manuscript on the adoption of zero-tillage (ZT) technology, highlighting the key aspects that are explored: prospects, constraints, and determinants. However, if a more descriptive and engaging title is desired, an alternative could be "Unlocking the Potential of Zero-Tillage Farming: Challenges, Opportunities, and Key Influences on Adoption." This alternative title captures the essence of the study while emphasizing the potential impact of ZT farming.</p>	
<p>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.</p>	<p>The abstract of the article is comprehensive in covering the main aspects of the research, including the focus on zero-tillage technology, the examination of its prospects, constraints, and determinants, as well as the context of its adoption. However, to enhance clarity and impact, it may benefit from explicitly stating the research methods used, the key findings, and the implications of these findings for both practitioners and policymakers. Including these points would provide readers with a more complete understanding of the study's scope and significance right from the abstract. Additionally, if any specific geographic or demographic focus is central to the study, it should be briefly mentioned to give readers context.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>The subsections and structure of the manuscript appear to be well-organized and appropriate for the content being discussed. The manuscript is divided into clear sections that systematically address the various aspects of zero-tillage technology, including its adoption, benefits, challenges, and factors influencing its uptake. This logical flow helps guide the reader through the complex topic in a coherent manner. Each subsection focuses on a specific component of the overall discussion, making the manuscript easier to follow and enhancing its readability. Overall, the structure supports the manuscript's objectives and contributes to its clarity and effectiveness.</p>	
<p>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.</p>	<p>The manuscript demonstrates scientific correctness by thoroughly analyzing zero-tillage (ZT) technology through empirical data, literature reviews, and a comprehensive examination of the factors influencing its adoption. The authors employ appropriate research methodologies and present well-supported arguments, which are backed by relevant data and citations from credible sources. This rigorous approach ensures that the conclusions drawn are based on solid evidence, making the manuscript scientifically robust. Additionally, the manuscript's attention to detail in evaluating both the benefits and challenges of ZT technology further reinforces its technical soundness, providing a balanced and accurate representation of the subject.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =</p>	<p>The references in the manuscript are generally sufficient and cover a broad range of studies relevant to zero-tillage technology. However, to ensure the manuscript reflects the most current research, it would be beneficial to include more recent studies, particularly those published within the last five years. This would help to capture the latest advancements and trends in the field. Additionally, references that specifically address recent case studies, regional adoption patterns, and technological innovations in zero-tillage could further strengthen the manuscript's relevance and depth. Including these updates would enhance the manuscript's credibility and ensure it is aligned with the latest developments in sustainable agriculture.</p>	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	The language and English quality of the article are generally suitable for scholarly communication. The manuscript is written in a clear and professional tone, with appropriate use of academic vocabulary and structure. The arguments are articulated well, and the technical terms are used correctly, contributing to the overall readability and precision required in scholarly work. However, minor grammatical refinements and adjustments to sentence structure could further enhance the clarity and flow of the text, making it even more polished for publication.	
<u>Optional/General</u> comments		

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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