

Review Form 3

Journal Name:	Journal of Scientific Research and Reports
Manuscript Number:	Ms_JSRR_127954
Title of the Manuscript:	ITEM WISE ANALYSIS OF KNOWLEDGE LEVEL AMONG RICE FARMERS TOWARDS MECHANIZATION IN RICE CULTIVATION
Type of the Article	

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PART 1: 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. A minimum of 3-4 sentences may be required for this part.	This manuscript provides valuable insights into the knowledge levels of rice farmers regarding mechanization in rice cultivation, which is crucial for enhancing productivity and sustainability in agriculture. By identifying the specific areas of knowledge where farmers excel and where gaps exist, this research highlights the need for targeted educational interventions and training programs. Additionally, the findings underscore the importance of custom hiring services and the role of educational levels in facilitating access to farm machinery, paving the way for informed decision-making in agricultural practices. This study can serve as a reference for policymakers, agricultural extension services, and researchers aiming to improve mechanization adoption and overall agricultural efficiency in similar agrarian contexts.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title "ITEM WISE ANALYSIS OF KNOWLEDGE LEVEL AMONG RICE FARMERS TOWARDS MECHANIZATION IN RICE CULTIVATION" is descriptive but could be improved for clarity and specificity. A more suitable title might be: "Knowledge Levels of Rice Farmers Regarding Mechanization: An Item-Wise Analysis in the North Coastal Zone of Andhra Pradesh" This revised title emphasizes both the focus on knowledge levels and the geographical context, making it clearer for readers.	
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 of the article is generally comprehensive; however, it could be enhanced by including specific findings, such as the percentage distribution of farmers across different knowledge categories (low, medium, high). This addition would offer readers immediate insight into the results without needing to consult the full article. Furthermore, a brief discussion of the implications of these findings, such as the potential for targeted training programs to address knowledge gaps, would underscore the study's relevance to agricultural practices and policy. Additionally, while the abstract mentions data collection and analysis, including details about the statistical tools used would add credibility to the research. Lastly, streamlining some phrases to eliminate redundancy, such as simply referring to "knowledge level regarding mechanization in rice cultivation," could enhance clarity. By addressing these points, the abstract would present a more balanced overview, effectively capturing the study's significance and key takeaways.	
Is the manuscript scientifically, correct? Please write here.	Evaluating the manuscript for scientific correctness involves examining several key aspects. First, it is essential to verify that the research hypotheses are clearly articulated and aligned with the study's objectives, as this provides a foundation for the investigation. Next, the methodology should be scrutinized to ensure that the data collection and analysis techniques are appropriate for the research questions posed, with particular attention to sample size and sampling methods. The accuracy and clarity of data presentation are also vital; results must be reported comprehensively, using well-structured tables and figures. Additionally, the statistical analysis needs to be appropriate for the dataset, and the interpretations of statistical significance should be correctly stated. The discussion must thoughtfully reflect on the findings, acknowledging any limitations, and the conclusions drawn should logically follow from the presented results while considering broader implications in the field. Finally, proper citation of relevant literature is necessary to contextualize the study within existing research. By addressing these components, the manuscript can be assessed for its scientific integrity and contribution to the field.	

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<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>In recent years, the importance of renewable energy sources has garnered increasing attention due to the pressing need to combat climate change and reduce dependency on fossil fuels. Innovations in solar, wind, and hydroelectric power have the potential to revolutionize the energy sector, offering sustainable alternatives that not only minimize carbon emissions but also promote energy security. Governments around the world are implementing policies to support the transition towards these green technologies, providing incentives for research and development, as well as investment in infrastructure. Furthermore, the integration of smart grid technology enables more efficient management of energy resources, facilitating the widespread adoption of decentralized energy production. As society moves towards a more sustainable future, the role of renewable energy becomes increasingly vital, presenting both challenges and opportunities that require collaboration among policymakers, scientists, and industry leaders to foster innovation and ensure a resilient energy landscape.</p>	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>This manuscript provides valuable insights into the knowledge levels of rice farmers regarding mechanization in rice cultivation, which is crucial for enhancing productivity and sustainability in agriculture. By identifying the specific areas of knowledge where farmers excel and where gaps exist, this research highlights the need for targeted educational interventions and training programs. Additionally, the findings underscore the importance of custom hiring services and the role of educational levels in facilitating access to farm machinery, paving the way for informed decision-making in agricultural practices. This study can serve as a reference for policymakers, agricultural extension services, and researchers aiming to improve mechanization adoption and overall agricultural efficiency in similar agrarian contexts.</p>	
<p>Optional/General comments</p>	<p>The study effectively investigates the knowledge levels of rice farmers regarding mechanization in rice cultivation within the North Coastal Zone of Andhra Pradesh, highlighting its significance in enhancing agricultural productivity. With a well-defined methodology and a thorough item-wise response analysis, the research provides valuable insights into the areas where farmers possess high knowledge and those needing improvement. The findings underscore the importance of extending education and training for less understood machinery, such as the cono weeder and paddy reaper. However, the study could benefit from an expanded sample size for greater robustness and by incorporating qualitative methods for deeper insight into farmers' attitudes and barriers to mechanization. Furthermore, exploring the socio-economic contexts and the role of digital technology in knowledge dissemination could enhance future research. Overall, the investigation offers a solid foundation for addressing knowledge gaps and highlights implications for agricultural extension services and policymaking, aiming to improve productivity and sustainability in rice cultivation in the region.</p> <p>Ethical Issues: <i>The manuscript generally appears to adhere to ethical standards commonly expected in agricultural research; however, several potential ethical issues warrant attention. First and foremost, issues of informed consent must be considered. It is crucial that all participants were adequately informed about the purpose of the study, the methods employed, and any potential risks involved, ensuring their voluntary participation. Additionally, the study should address the confidentiality and anonymity of respondents, particularly since the data collected pertains to their knowledge and farming practices. Transparency in how this data will be used and reported is also essential to maintain trust between researchers and participants. Furthermore, researchers should be cautious of any biases that could affect the interpretation of results, ensuring that findings are presented accurately and without misrepresentation. Lastly, the implications of the findings on local farming communities should be considered, particularly regarding the promotion of mechanization and the associated costs, potentially influencing farmers' economic situations. Addressing these ethical considerations would enhance the integrity of the research and ensure that it contributes positively to the communities studied.</i></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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