

Review Form 3

Journal Name:	Asian Journal of Agricultural Extension, Economics & Sociology
Manuscript Number:	Ms_AJAEES_124271
Title of the Manuscript:	Influence of Farmer’s Income Level on Adoption of Agricultural Water Management Practices among Smallholder Farmers in Rongai Sub- County, Kenya
Type of the Article	Original Research 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 (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
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 holds importance for the scientific community by addressing critical aspects of agricultural water management in drought-prone areas, a topic that is increasingly relevant in the context of climate change. It provides insights into how socio-economic factors, such as farmer income, influence the adoption of water-saving technologies. This research helps fill a gap in understanding the barriers to sustainable agricultural practices, offering data that can inform future policy decisions aimed at improving agricultural productivity and resource efficiency. I like this manuscript because it addresses a relevant and timely issue in agricultural and environmental sustainability. Its focus on the adoption of Agricultural Water Management Practices in regions facing water scarcity is not only critical but also provides actionable insights for policymakers and practitioners. The methodology is sound and well-explained, making the research findings credible and applicable. However, I believe the discussion could benefit from a deeper analysis of potential limitations, discussing potential policy interventions to address the identified challenges, and suggestions for future research, which would add further value to its contribution.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title of the article, "Influence of Farmer’s Income Level on Adoption of Agricultural Water Management Practices among Smallholder Farmers in Rongai Sub-County Kenya," is suitable as it clearly conveys the core focus of the study. It succinctly highlights the relationship between farmers' income levels and their adoption of agricultural water management practices, while specifying the geographical context (Rongai Sub-County).	
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 this article is largely comprehensive as it provides a clear summary of the study's background, objectives, methodology, and key findings. It mentions the importance of water as a resource, lists the agricultural water management practices under investigation, and explains how income influences the adoption of these practices.	
Are subsections and structure of the manuscript appropriate?	The manuscript is well-structured, with appropriate subsections that enhance the clarity of its content. It follows a logical flow from the introduction to the conclusion, covering important aspects such as the research background, methodology, data collection, and analysis. The inclusion of detailed subsections, like the study location, sampling procedures, and data analysis techniques, provides a comprehensive understanding of the research process. However, adding a dedicated subsection to explicitly discuss the limitations of the study would further strengthen the manuscript by acknowledging any potential weaknesses or areas for improvement.	
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>The manuscript appears to be scientifically correct. It employs well-established research methods, including data collection through questionnaires and analysis via binary logistic regression, which are appropriate for investigating the relationship between farmers' income and their adoption of agricultural water management practices. The data is handled systematically, and the findings are presented clearly.</p> <p>This manuscript is scientifically robust and technically sound because it applies appropriate statistical methods, such as binary logistic</p>	

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	regression, to analyze the relationship between farmer income and the adoption of water management practices. The research design is clearly outlined, with well-defined variables, and the data collection process seems rigorous, involving questionnaires tailored to the study's objectives. Additionally, the results are presented in a structured manner, providing both the statistical significance (P-values) and practical implications of the findings. The methodical approach ensures that the conclusions drawn are based on evidence, supporting the overall credibility of the research.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references in the manuscript appear to be generally sufficient and recent. The author has cited relevant studies from a variety of sources, including academic journals and government reports.	
Minor REVISION comments	Yes, the English quality of the article is suitable for scholarly communications	
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	<p>This manuscript presents a comprehensive and well-conducted study on the influence of farmer income level on the adoption of agricultural water management practices (AWMPs) among smallholder farmers in Rongai Sub-County, Kenya. The study contributes valuable insights to the field of agricultural development and highlights the importance of socio-economic factors in driving sustainable agricultural practices. The authors have effectively addressed the research question, employed appropriate methodology, and provided a clear and detailed analysis of the findings. The manuscript is well-structured, and the writing is generally clear and concise.</p> <p>However, to further enhance the manuscript, I would recommend:</p> <ul style="list-style-type: none">• Expanding the discussion on the specific AWMPs: While the study mentions rainwater harvesting, irrigation, and the use of drought-resistant crops, a more in-depth analysis of these practices and their relevance to the local context would strengthen the manuscript.• Considering the potential limitations of the study: Acknowledging the limitations, such as the sample size and generalizability of the findings, can enhance the credibility of the research.• Exploring the interactions between income level and other socio-economic factors: Examining how factors like education, land ownership, and access to extension services may influence AWMP adoption could provide a more nuanced understanding of the drivers of farmer behavior. <p>Overall, this manuscript is a valuable contribution to the literature on agricultural water management and provides important insights for policymakers and development practitioners working in similar contexts.</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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

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