

Review Form 3

Journal Name:	Asian Journal of Research in Crop Science
Manuscript Number:	Ms_AJRCS_125270
Title of the Manuscript:	Financial Factors Influencing Adoption of Agricultural Technologies in Irish Potato In OI Kalou Sub County, Kenya: Application of Multinomial Logistic Regression
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>
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 is significant for the scientific community as it addresses critical financial factors influencing the adoption of agricultural technologies, particularly in the Irish potato sector in Kenya. The use of multinomial logistic regression to analyze these factors adds methodological rigor and helps identify key determinants such as off-farm income, credit access, and production risks. I appreciate the study's potential to offer policy recommendations that could improve agricultural productivity, making it highly relevant to ongoing global discussions about food security and sustainable farming practices.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, it is suitable but could be improved for clarity and conciseness. Suggested alternative title: "Financial Determinants of Agricultural Technology Adoption in Irish Potato Farming: A Case Study of OI Kalou, Kenya" This version emphasizes the key focus areas—financial factors, technology adoption, and the specific context—while being more concise.	
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 use of multinomial logistic regression should be explained briefly, perhaps in simpler terms for a wider audience. Mentioning SPSS and STATA software might be unnecessary in the abstract.	
Are subsections and structure of the manuscript appropriate?	Yes, it is appropriate, but the Introduction could be more concise, and the Results section would benefit from clearer subsections for each financial factor. Additionally, the Conclusion could expand on policy implications and practical recommendations for future research.	
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.	The manuscript is scientifically robust and technically sound as it employs a well-established statistical method—multinomial logistic regression—to analyze the financial factors influencing technology adoption. The use of a large sample size (385 respondents) adds credibility to the findings, and the data collection methods are clearly defined, ensuring replicability. Moreover, the results are presented with sufficient statistical detail, including significance levels and marginal effects, which strengthen the validity of the conclusions. Overall, the study's methodology, combined with its clear focus on relevant financial factors, makes it a valuable contribution to agricultural research.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language and English quality of the manuscript are generally acceptable for scholarly communication, but there are a few areas that could be improved to enhance readability and clarity.</p> <p>for instant- Descriptive cross-sectional research design was used to obtain data from a study population of 21,942 smallholder Irish potato farmers in OI Kalou Sub County. A multiple-stage sampling technique was employed to give a sample size of 385 respondents, where data was collected through a semi-structured questionnaire. Data collected was analyzed using multinomial logistic regression through SPSS version 28 and STATA version 17.</p> <p>It could have been like:- The study employed a descriptive cross-sectional design to collect data from 21,942 smallholder Irish potato farmers in OI Kalou Sub County. Using a multi-stage sampling technique, 385 respondents were selected. Data was collected via a semi-structured questionnaire and analyzed with SPSS 28 and STATA 17.</p> <p>Use of shorter sentences, making it easier to read.</p>	
<p>Optional/General comments</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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