

**Review Form 3**

Journal Name:	<b>Journal of Scientific Research and Reports</b>
Manuscript Number:	<b>Ms_JSRR_123172</b>
Title of the Manuscript:	<b>Development and Validation of a Knowledge Test for Assessing Dryland Farmers' Understanding of Redgram Cultivation</b>
Type of the Article	<b>Original Research Article</b>

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**PART 1: Review Comments**

<b>Compulsory</b> 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><b>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.</b></p>	<p>The paper is very well written, fluent and easy to read. The language is without mistakes. It requires only some integrations, that I am sure can be added by the Author(s) with a minor effort, to achieve a higher level of quality. The role of knowledge for the diffusion of innovations (not only in agriculture) is presently undiscussed and this paper provides a useful insight for planners and educators.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p><b>The title is ok</b></p>	
<p><b>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.</b></p>	<p><b>The abstract is ok</b></p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p><b>Yes, n problem</b></p>	
<p><b>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.</b></p>	<p>The article is of good quality and the statistical methods are used properly. The subject is well framed in the general theories about innovation diffusion.</p> <p>In paragraph 1, introduction, the Author should also mention demographic growth, that means consequent unsustainable pressure on natural resources, like overgrazing, continuous deforestation for fuelwood, reduction of fallow, over pumping of water.</p> <p>I found red gram and sometimes <i>redgram</i>, please use always the same name, which is <i>redgram</i>, world wide known as <i>pigeon pea</i>. Add the scientific Latin name: The scientific name of <i>redgram</i> is for the <i>genus Cajanus</i> and for the <i>species cajan</i>. They derive from the Malay word <i>katjang</i> meaning legume, in reference to the bean of the plant.</p> <p>It is not indicated when and where the interviews took place, who did them, nothing about the not response rate. Can the Author add a few lines?</p> <p>In paragraph 3.2, the Author should explain the meaning of ZEAC, CRIDA. NICRA.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p> <p>=</p>	<p>In paragraph 2, there is a total lack of references concerning the statistical methodology implemented for the research. I suggest to add at list two titles of the statistic handbooks the Author has used, about sampling, data collection and data analysis.</p> <p>For example:</p> <p>In paragraph 4, the conclusions are a bit too short and optimist: knowledge is not the only factor favouring the change of behaviours. People do not change because of several factors, like the size of the farms, the availability of family labour, the lack of means and capital, and so on. Some references should be added to show the Author's awareness about the conditions for adoption and non adoption.</p> <p>For example: Feder G. (1981) Adoption of agricultural innovations in developing countries, a survey. World Bank Staff Working Paper no. 444, Washington D.C.</p>	

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	<p>Feder G., Umali D.L. (1993) The adoption of agricultural innovations: A review, <i>Technological Forecasting and Social Change</i>, Vol. 43, 3–4, 215-23</p> <p>Masi, M., De Rosa, M., Vecchio, Y. <i>et al.</i> (2022) The long way to innovation adoption: insights from precision agriculture. <i>Agric Econ</i> 10. <a href="https://doi.org/10.1186/s40100-022-00236-5">https://doi.org/10.1186/s40100-022-00236-5</a></p> <p>Montes de Oca Munguia O., Pannell D.J. and Llewellyn R., (2021) Understanding the adoption of Innovations in agriculture: A Review of Selected Conceptual Models, <i>Agronomy</i>, 11 (1), 139; <a href="https://doi.org/10.3390/agronomy11010139">https://doi.org/10.3390/agronomy11010139</a> - 13 Jan 2021</p>	
<p><u>Minor</u> REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	Language quality is very good	
<u>Optional/General</u> comments		

**PART 2:**

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

**Reviewer Details:**

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