

Review Form 1.7

Journal Name:	Asian Journal of Agricultural Extension, Economics & Sociology
Manuscript Number:	Ms_AJAEES_101938
Title of the Manuscript:	Farmers' Purchasing Behaviour of Insecticides in Cumin and Problems Faced by Farmers for Cumin in Dhrol Taluka of Jamnagar District, Gujarat
Type of the Article	Original Research Article

General guideline for 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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalajaees.com/index.php/AJAEES/editorial-policy>)

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PART 1: Review Comments

	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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1 The manuscript holds potential for highlighting the challenges faced by smallholder farmers in accessing inputs (in this case pesticides). However, from the results it is unclear the percentage of respondents who buy pesticides in the District under study. I think this information is important in guiding further discussion on cost, income and credit access. The yield in the district seems comparable to yields in two other districts. Could the author clarify if there is a yield gap and if this is attributable to pests?</p> <p>2. I suggest using the scientific name for cumin in the title. Also, check for grammatical errors.</p> <p>3. I think it is important to note that both farmers and agri-dealers were interviewed in the methods, otherwise the last sentence may be confusing.</p> <p>4. There is no need to list the objectives of the study. These can be summarized in the last paragraph of the Introduction. There needs to be a description of the study area under materials and Methods. The "Research Design" subsection under materials and methods seems unnecessary. Instead, it is better to expand the data analysis portion to clearly explain how each of the metrics is calculated and what information can be drawn from the results. Please also add references to justify the choice of these analytical tools.</p> <p>5. From the methods, it is not clear whether the same survey tool was used for both farmers and dealers. It would be clearer if you summarized the questions for the farmers and dealers or attach the questionnaires in an appendix. I think for the hypotheses to be more meaningful they should relate to the purchasing behaviour of farmers.</p> <p>6 I feel that the references are inadequate. There is a wide collection of literature that discusses use of farm inputs by smallholders that the author can integrate in this manuscript. Here is an example: https://doi.org/10.3390/su12104296</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Language editing is needed.</p> <p>The introduction says 60-70% of the population is employed in agriculture, then again 50% of the population relies on agriculture. This seems to be a contradiction.</p> <p>Please type out CAGR in full; it is unclear what it stands for.</p> <p>In your discussion you said older farmers tend to be hesitant in adopting new technologies. Please provide a reference.</p> <p>What is SSC and HSC? Please type out full names of abbreviations at the first mention. Also, it is not clear how these education levels affect purchasing behaviour.</p> <p>Does the area of land under cumin affect use of pesticides? It is not clear why you reported this finding.</p>	
<p>Optional/General comments</p>	<p>You concluded that there was a significant association among age, education, and income, but did not discuss how this relates to the purchasing behaviour of farmers.</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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Reviewer Details:

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