



SDI Review Form 1.6

Journal Name:	Asian Journal of Agricultural Extension, Economics & Sociology
Manuscript Number:	Ms_AJAEES_37465
Title of the Manuscript:	Using Behavior of Agrochemicals and Pesticides and Their Impacts on Human Health: A Perception based Rural Study in Bangladesh
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:

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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)
Compulsory REVISION comments		
Minor REVISION comments	Introduction: The novelty (topic, method, etc.) and significance (human health, local pesticide management, etc.) need to be discussed more. It is recommended to put the aim and objectives of this study by the end of the introduction part instead of the methods section. Methods: The secondary data collection method including official reports and research articles review should be added. Results and discussions: For "3.11 Recommendations for safe use of agrochemicals and pesticides" Another significant perspective is to build the agrochemicals and pesticides regulation and management system. Pesticides regulatory guidance values should be provided to protect human health in residential surface soil (recommended references: https://doi.org/10.1016/j.jenvman.2014.07.020 and https://doi.org/10.1016/j.jenvman.2017.09.070), water (recommended references: doi: 10.3934/publichealth.2017.4.383.), and agricultural commodities (recommended references: doi:10.3390/ijerph14070826). Conclusion: Line 418-421 "Agrochemicals and pesticide contamination poses directly significant risks to the human health because farmers are directly affected various types of chronic diseases such as; eye problems, respiratory problems, skin diseases, gastrointestinal tract problems, dental problems and other health problems." Please provide references (recommended references: https://www.ncbi.nlm.nih.gov/pubmed/17017381) Line 431 "They also agreed with that pesticides may promote the development of cancer." Please provide references (recommended references: DOI: 10.1177/1178622117711930) Also, to better manage the public health risks regarding agrochemicals and pesticides, it is necessary to provide a comprehensive pesticide regulatory systems since Bangladesh currently is lack of pesticide standard values (recommended references: http://www.aimspress.com/article/10.3934/environsci.2017.4.523 and https://doi.org/10.1016/j.jchas.2017.09.003).	
Optional/General comments	This is a very important agrochemicals related health risk management study by investigation of the primary and secondary data including the field and questionnaire survey and official reports review. A total of 400 questionnaires were collected to evaluate the behaviour of agrochemicals and pesticides application among farmers in Bangladesh, which indicated that some chemicals were mostly used. This study will definitely help local government facilitate pesticides and agrochemicals regulation and management. Also, based on the results, the authors provided many recommendations regarding human health risks control. The whole manuscript was well written and organized. The methods were well designed. The results and conclusions are very important. The study is highly related to this journal's topic. Thus, it is recommended being accepted.	

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