

Review Form 1.7

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_114957
Title of the Manuscript:	Generation Change of Cropping Intensity in Bangladesh: A Systematic Review
Type of the Article	Review Article

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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> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>General Comments</p> <p>From my point of view, it is a very interesting topic and simultaneously it seems that to the best of my knowledge is an important study focuses on the cropping the intensity in Bangladesh which remained stagnant until the late 18th century, then surged notably between 1987–88 and 2010–11. In the first half of 50 years of Bangladesh's independence, cropping intensity has increased from 143% to 173.06% with an increasing rate of 1.20%, at that time net cropped area decreased by 8248.16 thousand hectares to 7806.07 thousand hectares but grossed cropped area increased 11785.55 thousand hectares to 13518.64 thousand hectares. In the second half of 50 years, cropping intensity has increased from 173.06 to 198.00 with an increasing rate of 0.99% per year, in this time both net and gross cropped area increased. Overall, within the 50 years of Bangladesh's independence, cropping intensity has increased from 143% (1971-72) to 198% (2019-20) with an increasing rate of 1.10% per year and will be 211.03 % (projected) by 2030. At that time net cropped area decreased from 8248.16 thousand hectares to 8126.00 thousand hectares but grossed cropped area increased from 11785.55 thousand hectares to 16057.00 thousand hectares. This overall change in cropping intensity is due to an increase in double (17.11%) and tripled cropped area (18.37%) and a decline in single cropped area (-35.76%). Shifting from single to multiple cropping attributed to this change. New short-duration cultivars tailored to fallow time drove intensity. However, limited climate-smart solutions and management practices posed hindrances. Examining rice yield extension, this study used historical and projected trends to forecast 2030 cropping intensity. New four cropped-based CP has also been introduced which occupied 0.28% of the net cropped area and definitely will play a vital role to increase cropping intensity in the future.</p> <p>The paper consists of the sections: <i>Introduction, Methodology, Results and Discussion and Conclusion</i></p> <p>However, I find some recommendations:</p> <ol style="list-style-type: none"> 1. The abstract must contains the main purpose of the paper, the research method used in the research and the main contributions. 2. It would be very useful to add in the "Introduction" section the purpose, objectives and hypothesis of the research. 3. The Literature review section cannot be missing from the paper and must be presented separately from the Introduction section.. 4. The research is well based on science and the results are in agreement with the theoretical part. From my point of view, the paper is original and the topic addressed brings added value to the specialized literature regarding agriculture development. The paper is well written and easy to read. 5. The research is well based on science and the results are in agreement with the theoretical part. The model applied to the analyzed data is correctly used in the analysis undertaken, it is a strength point of this paper. 6. Also, we consider that the literature is not enough and we recommend the authors to refer to other recent works indexed in Web of Science, Scopus, Emerald and Cambridge. We suggest that the authors cite papers indexed in Web of Science Journals, such as: <ol style="list-style-type: none"> 1. Batrancea L., Batrancea I., Moscviciov A. (2009), The Roots of the World Financial Crisis, Annals of Faculty of Economics, 3(1):57-62. 	

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	<p>2. Moscviciov, A., Bătrâncea, I., Bătrâncea, M., Bătrâncea, L.M. (2010) Financial Ratio Analysis Used In the It Enterprises, Annals of the University of Oradea: Economic Science, 19(2):600-603.</p> <p>3. Batrancea LM, Nichita A, Balci MA, Akgüller Ö (2023) Empirical investigation on how wellbeing-related infrastructure shapes economic growth: Evidence from the European Union regions. PLoS ONE 18(4): e0283277. https://doi.org/10.1371/journal.pone.0283277, ISSN:1932-6203.</p> <p>7. Another important cause that must be mentioned in the paper is the link between GDP, fiscal compliance and shadow economy, as the independent variables fiscal compliance and shadow economy strongly influence GDP. In this sense, I recommend the authors to quote the paper:</p> <p>4. Batrancea L., Nichita A., Batrancea I., Gaban L. (2018). „The Strenght of the Relationship Between Shadow Economy and Corruption: Evidence from a Worldwide Country-Sample”. <i>Social Indicators Research</i>, 138(3), 1119-1143; DOI: 10.1007/s11205-017-1696-z</p> <p>We recommend the authors to number the paragraphs: 1. Introduction; 2. Literature Review; 3. Methods and Results, Discussions and Conclusions. In conclusion, the article should be thoroughly rebuilt (changes in structure recommended above). It should also be enhanced with a review of the literature adequate to the subject and a broader interpretation and commentary of the research results.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>The Manuscript needs careful English proofreading because there are some shortcomings. For instance, the article “the” is sometimes missing in front of nouns, the message in some paragraphs is not clear enough.</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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