

**Review Form 1.7**

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_110920</b>
Title of the Manuscript:	<b>"An Investigation into the Impacts of Preparatory Tillage and Nutrient Management on Barley Yield and Economic Viability in the Context of Water Stress Conditions"</b>
Type of the 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><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. <b>The study presents original results, comparing cultivation systems with tillage and no tillage, each in three variants for barley. The results constitute a lot of cultivation systems useful for comparison to researchers in the field of barley cultivation and useful indications for farmers.</b></p> <p>2. <b>Yes, the title of the article is suitable. Usually, the title is not enclosed in quotation marks.</b></p> <p>3. <b>The abstract of article is comprehensive. It should include a phrase that characterizes quantified water stress in the geographical area of the experimental field.</b></p> <p>4. <b>Yes, the subsections and structure of the manuscript are appropriate.</b></p> <p>5. <b>The processing of the experimental data and the conclusions are correct, but until these results, important elements are missing:</b>                      -experimental evidence: diagram or photos of the experimental field, photos of vine plants that were treated with different treatment options at different stages of plant development, highlighting the qualitative differences between them through images, for example [1,3];                      - a map to mark the experimental field on the territory of India, but also the experimental field, possibly in a GIS satellite view, for example [3];                      - graphic representations of the experimental data, which make the effects of the treatments more easily visible and understandable, for example [1, 2, 3].</p> <p>6. <b>The references are sufficient and enough recent. The list of references and citations must be rewritten according to the Journal Template. There are works in the list of references not cited in the text of the manuscript (see the reviewed manuscript).There are works cited in the text, which are not found in the list of references.</b></p> <p><b>Additional literature</b></p> <p>1. Mateo-Marin N., Bosch_Serra A.D., Molina M.G., Poch R.M., Impacts of tillage and nutrient management on soil porosity trends in dryland agriculture, European Journal of Soil Science, 2021                      2. Parihar M.D., Parihar C.M., Nanwal R.K., Singh A.K., Nayak H.S., Ghasal P.C., Jewlia H.R., Choudary M., Jat M.L., Effect of different tillage and residue management practices on crop and water productivity and economics in maize (Zea mays) based rotations, Indian Journal of Agricultural Sciences, 89 (2), 360-6, 2019                      3. Liu Z., Cao S., Sun Z., Wang H., Qu S., Lei N., He J., Dong Q., Tillage effects on soil properties and crop yield after land reclamation, Scientific Reports, 2021</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>The English language (UK, US or India) must be corrected with the facilities of the text editor or specialized free programs or higher versions, for example, Grammarly, QuillBot, etc.).There are many typical errors. I indicated them only in the reviewed manuscript.The English language (UK, US or India) must be corrected with the facilities of the text editor or specialized free programs or higher versions, for example, Grammarly, QuillBot, etc.).There are many typical errors. I indicated them only in the reviewed manuscript</p>	
<p><b>Optional/General</b> comments</p>	<p>Considering the lack of experimental evidence, the failure to respect the format of the journal template and the numerous grammatical errors that need to be corrected (after you have agreed with the editor on the English, UK, US or Indian language version), and observations on scientific correctness, I have awarded a grade of 5, with the requirement of a major revision, followed by a new review. The work is carelessly written and in some places it contains non-academic expressions (see the text of the reviewed manuscript).</p>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<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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