

**Review Form 1.7**

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_117164</b>
Title of the Manuscript:	<b>Effect on growth and yield of barley (Hordeum vulgare L.) under different nutrient management practices</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> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> <li>1. I reviewed the article "Effect on growth and yield of barley (<i>Hordeum vulgare</i> L.) under different nutrient management practices", which is interesting. I had no problem reviewing this article as I believe the authors have done the research that led to some results to add to the existing body of knowledge on the subject. More importantly, it will definitely guide further research in this field for efficient use of fertilizers and improved barley yield.</li> <li>2. The title of the article should be corrected to "Effects of Different Nutrient Management Methods on Growth and Yield of Barley (<i>Hordeum vulgare</i> L.)".</li> <li>3. The abstract of the article is comprehensive</li> <li>4. The structure of the manuscript is appropriate and contains the necessary sections.</li> <li>5. The manuscript is scientifically correct.</li> <li>6. The list of used literary sources is somewhat concise. It is necessary to expand it and add new, fresh foreign references on the research topic for the last 5 years.</li> <li>7. At the end of the literature review (introduction), the purpose of the research should be clearly stated.</li> <li>8. It is necessary to provide more detailed information on fertilizers and biofertilizers used in the research (characteristics, manufacturer, chemical composition, active substance).</li> <li>9. It is appropriate to indicate on which types of soils the research was conducted. It is also necessary to indicate the physico-chemical and agrochemical parameters of the soil, which were before the start of the experiment.</li> <li>10. The article partially presents the results of mathematical and statistical processing of the obtained data. It is necessary to indicate which methods and programs were used in the calculation.</li> <li>11. According to the International System of Units (SI), barley grain and straw yields should be given in tonnes per hectare (t ha<sup>-1</sup>) rather than quintals per hectare (q ha<sup>-1</sup>).</li> <li>12. It is necessary to indicate the methods or normative documents used to determine the studied indicators.</li> <li>13. The article also lacks references to the given tables and graphs of research results. It is necessary to place each table and graphs in the text of the article after their first mention in the text.</li> <li>14. The analysis of the obtained research results needs expansion and addition.</li> <li>15. It is necessary to correct the presented drawings of the obtained research results. It is necessary to add the names of the axes and, for a better understanding, indicate the obtained values.</li> <li>16. It is necessary to correct the conclusion, because it is too general. In the conclusion, it is necessary to expand and specify the overview of the obtained research results.</li> </ol>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>The language of the article is suitable for scientific communications.</p>	
<p><b>Optional/General</b> comments</p>	<p>In my opinion, the article deserves to be published after revision. The article presents the research results obtained during one year (season) of Rabi 2022-23. The editorial board of the journal should decide whether it is correct and permissible to publish the results of one year of research. In our country, articles are published with the results of two or three years of research, on the basis of which certain conclusions and recommendations can already be made.</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:**

Name:	<b>Olifir Yurii</b>
Department, University & Country	<b>Institute of Agriculture of Carpathian Region, National Academy of Agrarian Sciences, Ukraine</b>