

Review Form 1.7

Journal Name:	Asian Research Journal of Agriculture
Manuscript Number:	Ms_ARJA_117471
Title of the Manuscript:	Growth and Quality Parameters Of Wheat (Triticum aestivum L.) as Influenced By Split Application Of Nitrogen And Potassium.
Type of the Article	Agricultural yield

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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"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. Conclusion <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> The manuscript important for scientific community “The average percentage increase in grain yield, grain protein content, and nitrogen use efficiency (grain yield (kg)/kg N applied) with the application of potassium in two equal fractions in a ratio of 50:50 in both years was 12.46%, 5.81%, and 12.46%, which was significantly higher than the recommended fertilizer application (K1).” Here is the title I propose for this study. The quality is not studied and the parameters highlighted remain deterministic: “Deterministic parameters of growth and production yield of (Triticum aestivum L.): influence by fractional application of nitrogen-potassium.” The abstract is clear, quite long but understandable. The methodology is there as well as the results. Subsections and structure of the manuscript are appropriate. However, can we have the characteristics of the soil in which the wheat was grown? specify the time intervals between harvest and cultivation. Clarification on the phytosanitary products used would be necessary. the manuscript is scientifically correct the references are sufficient and and not recent. I recommend harmonizing the bibliography. I propose these bibliography items to be added. <ul style="list-style-type: none"> 1- Tinghong Ye, Jianglin Zhang, Jing Li, Jianwei Lu, Tao Ren, Rihuan Cong, Zhifeng Lu, Xiaokun Li, Nitrogen/potassium interactions increase rice yield by improving canopy performance, Food and energy security, (2021), https://doi.org/10.1002/fes3.295 2- Jiwen Li, Tianfu Han, Kailou Liu, Zhe Shen, Nano Alemu Daba, Kiya Adare Tadesse, Muhammad Numan Khan, Asad Shah, Zhufeng Wang, Huimin Zhang, Optimizing potassium and nitrogen fertilizer strategies to mitigate greenhouse gas emissions in global agroecosystems, Science of The Total Environment, Volume 916, 2024, 170270, ISSN00489697, https://doi.org/10.1016/j.scitotenv.2024.170270. 3- Limei Chen, Xiaoying Li, Yutao Peng, Ping Xiang, Yuzhou Zhou, Bin Yao, Yaoyu Zhou, Chaoran Sun, Co-application of biochar and organic fertilizer promotes the yield and quality of red pitaya (Hylocereus polyrhizus) by improving soil properties, Chemosphere, Volume 294, 2022, 133619, ISSN 0045-6535, https://doi.org/10.1016/j.chemosphere.2022.133619. (https://www.sciencedirect.com/science/article/pii/S0045653522001084) The conclusion should be taken up in its entirety to integrate critical assessments of one's own methodological choices and the results found. Are there any prospects for this study? it is important to integrate them 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 	<ol style="list-style-type: none"> yes 	
<p>Optional/General comments</p>		

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PART 2:

	Reviewer's comment	Author's comment <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>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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