

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_102875
Title of the Manuscript:	Effect of TNAU-Water Soluble Fertilizers (TNAU-WSF) on Nutrient Uptake and Nutrient Use Efficiencies of Small Onion (<i>Allium cepa</i> var. <i>aggregatum</i>)
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:

(<https://www.journalijpss.com/index.php/IJPSS/editorial-policy>)

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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>1-The manuscript investigates the effect of TNAU-Water Soluble Fertilizers (TNAU-WSF) on nutrient uptake and nutrient use efficiencies of small onions. It addresses the importance of sustainable agriculture and the need for efficient water and fertilizer use. The study evaluates different nutrient levels of TNAU-WSF and their impact on nutrient uptake and dry matter production. The findings suggest that soil test-based application of 125% NPK as TNAU-WSF with sulfur and TNAU Multi Micronutrient recorded higher nutrient uptake and nutrient use efficiencies compared to other nutrient levels. Overall, the manuscript contributes to the scientific community by exploring the potential of TNAU-WSF in enhancing crop productivity and nutrient management.</p> <p>2- The title of the article, "Effect of TNAU-Water Soluble Fertilizers (TNAU-WSF) on Nutrient Uptake and Nutrient Use Efficiencies of Small Onion (<i>Allium cepa</i> var. <i>aggregatum</i>)," is suitable as it accurately reflects the content and scope of the study.</p> <p>3- The abstract of the article provides a comprehensive summary of the study. It clearly describes the objectives, methodology, and results of the experiment, highlighting the impact of TNAU-WSF on nutrient uptake and nutrient use efficiencies of small onions. The abstract effectively conveys the key findings of the study and the significance of the research.</p> <p>4- The subsections and structure of the manuscript are appropriate. The introduction provides background information on the challenges of unsustainable agricultural practices and the potential of fertigation for improving water and fertilizer use efficiency. The materials and methods section describes the experimental setup and procedures in sufficient detail. The results and discussion section presents the findings and discusses their implications. The manuscript follows a logical flow, making it easy to understand the research process and outcomes.</p> <p>5- Based on the information provided in the manuscript, it appears scientifically correct. The authors have conducted a field experiment using a randomized block design and appropriate statistical analyses. The results are supported by data and are consistent with previous research in the field. However, a more comprehensive assessment of the scientific accuracy would require a detailed review of the methodology, data analysis, and results section.</p> <p>6- The references provided in the manuscript are sufficient and recent. They include relevant sources from the field of nutrient management, fertigation, and crop production. If additional references were needed, it would depend on specific gaps or areas of further exploration identified during a more thorough review. However, based on the available information, the references appear to support the arguments and claims made in the manuscript.</p> <p>Additional suggestions/comments:</p> <p>It would be beneficial to provide more details on the specific composition and formulation of TNAU-WSF to better understand its characteristics and potential advantages over other fertilizers. Including information on the experimental design, replication, and statistical analyses in the Materials and Methods section would enhance the transparency and</p>	

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	<p>reproducibility of the study. The manuscript could benefit from a conclusion section summarizing the main findings, their implications, and potential avenues for future research. Visual aids such as tables, figures, or graphs could help illustrate the results and make the manuscript more accessible and engaging for readers.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The overall language and grammar quality of the article seems suitable for scholarly communication. However, I have identified a few grammar mistakes in the text These are some of the grammar mistakes I have found in the paper. Please note that there might be other minor errors that I might have missed.</p>	
<p>Optional/General comments</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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