

Review Form 1.7

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_111934
Title of the Manuscript:	PRANAM-Ca: An Eggshell derived Calcium fertilizer and its impact on blossom end rot in Tomato cultivation
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>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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>The manuscript title “An Eggshell derived Calcium fertilizer and its impact on blossom end rot in Tomato cultivation” is attractive, and will capture the readership of the scientific community.</p> <p>The manuscript title is suitable for the journals. However, it is recommended that tomato cultivation be added to the abstract section.</p> <p>The abstract section is not comprehensive enough. Details regarding the methodology and information on the results are missing.</p> <p>The methodology and discussion of results need thorough revision. The presentation of results is poor. The authors claim seems realistic considering the method of processing of the eggshell. Calcium rich materials are essential to agricultural operations considering their mineral rich calcium contents.</p> <p>Some of the references are outdated. Notably, the references used in comparison of results and projectional statements in results and Discussion section.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>I suggest minor revision.</p> <p>The manuscript is significantly attractive giving the novelty of the work. The English Language need to be improved.</p>	
<p>Optional/General comments</p>	<p>This research is very interesting to the scientific world giving the growing need to improve agricultural productivity, and environmental sustainability via re-use waste materials. Overall, I recommend the following revision to improve readability and presentation of research work.</p> <ol style="list-style-type: none"> 1. Abstract section needed to be improved. Specifically, some quantitative results needed to appear in the reference section. The keyword (Add plant or cultivation) 2. Check the English language used here. It might be interesting to know that the eggshell has also been applied as source of green coagulant in water treatment. Conveying more importance of the application of egg shell? I recommend the following articles: https://doi.org/10.1007/s11696-021-01703-x DOI: 10.4236/jacen.2023.123020, DOI: 10.18488/journal.70.2019.62.79.86, “Impact of calcium supplement through egg shell on tomato (Solanum lycopersicum) production in aquaponic system” International Journal of Applied Research 2018; 4(3): 134-139 3. Check. CaCO3, It should be CaCO₃ 4. What is the meaning of Ca at first mention? It should be calcium (Ca) 5. Novelty statement should be projected in one sentence. What benefit will it bring to scientific relevance to today's world? CaNO₃2 should be corrected. It should be Ca(NO₃)₂ 6. Authors should add the percentage purity or concentrations of the reagents used. Preferably can be added to Table 1) 7. Experimental details should be captioned Materials and Method. Table list should be Tagged Table 1: Experimental detail) and moved the section under preparation) 8. Authors should include (The specification of commercial PRANAM. The drying temperature, and time for drying), It might also be interesting to know the mass configuration of dusk and egg shells used, since it's a mixture. 9. Schematic representation of Fig. 1 the word “pH Adjustment” should be aligned properly, and word descriptions (labels) should be added to the floc diagram. 	

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	<p>10. What is the foliar spray treatment about? It was not mentioned in the introduction, nor the methodology why? Is it the same as the whole set up discussed in the methodology? If yes then must be mentioned in the introduction and methodology sections. I also recommend it as a keyword in the abstract section.</p> <p>11. Relevant tables and Figures were not cited in the whole manuscript, especially in the discussion of result sections.</p> <p>12. The conclusion should be rewritten for clarity.</p> <p>13. I recommend the Figs. 3 & 4 should be redrawn professionally.</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>	

Reviewer Details:

Name:	Prosper Ovuoraye
Department, University & Country	Nnamdi Azikiwe University, Federal University of Petroleum Resources, Nigeria