

## Review Form 1.7

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_105651</b>
Title of the Manuscript:	<b>CALCIUM NUTRITION FOR IMPROVING THE GROWTH AND YIELD OF CARROT IN ACID SOILS</b>
Type of the Article	<b>Original Research Article</b>

### **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><b>Compulsory</b> REVISION comments</p> <p><b>1. Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p><b>2. Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p><b>3. Is the abstract of the article comprehensive?</b></p> <p><b>4. Are subsections and structure of the manuscript appropriate?</b></p> <p><b>5. Do you think the manuscript is scientifically correct?</b></p> <p><b>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<ul style="list-style-type: none"> <li>• Root crops are a miscellaneous group of plants cultivated chiefly for their edible underground parts, which store essential nutrients and energy.</li> <li>• Carrot is a vivacious and adaptable cool-season root crop belonging to the Apiaceae family and is cultivated throughout the globe for its edible roots.</li> <li>• Plant growth on acidic soils is inhibited by many factors like toxicity of aluminium, iron and manganese and also by the condensed availability of many essential plant nutrients.</li> <li>○ Yes, the title of the manuscript is suitable and appropriate enough.</li> <li>○ Yes, the abstract written is comprehensive.</li> <li>○ Yes, they are appropriate enough inscribing various significant aspects.</li> <li>○ The presentation of the Abstract, Introduction, Materials and Methods, Results and Discussion, and Conclusion are exceptionally appreciable.</li> <li>○ The data have been concisely documented in tabular forms.</li> <li>○ The graphical presentations are expressively portrayed.</li> <li>• Appropriate amount of calcium ions may progress the integrity and stability of chloroplast structure, and augment the activities of Rubisco and PEP carboxylase enzymes, thus refining the carboxylation efficiency of carbon dioxide and the activity of ATPase on the membrane thereby improving the photosynthetic efficiency of plants opines the prior findings.</li> <li>• Liming with calcium and magnesium rich materials is a mutual soil amelioration practice that endorses the immobilization of toxic heavy metals and alters the transformation and uptake of nutrients by plants, and consequently affecting the productivity of ecosystems.</li> <li>• The references cited are adequate and recent enough.</li> </ul>	
<p><b>Minor</b> REVISION comments</p> <p><b>1. Is language/English quality of the article suitable for scholarly communications?</b></p>	<ul style="list-style-type: none"> <li>• 3.2, last line-make uniformity in spacing.</li> <li>• Pg.no.2, 2<sup>nd</sup> paragraph, 5<sup>th</sup> line: which helps in- fix the agreement mistake.</li> <li>• The usage of the English language is appropriate and well suitable for scholarly communications.</li> </ul>	

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<b>Optional/General</b> comments	<ul style="list-style-type: none"><li>• The data recorded for different parameters were analysed using AGRES software version 7.01 to compare the mean at least significant difference (<math>P = 0.05</math>).</li><li>• The critical difference (CD) was worked out at 5% level of significance wherever the treatment differences were found significant and denoted by a symbol * for 5% and ** for 1% level of significance. NS was used to denote the non-significant comparisons.</li><li>• Overall, the manuscript has been succinctly authored, noticeably accompanied by a sleek presentation documenting the observations in the illustrative Tabular form, and elegant graphs.</li></ul>	
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### 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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### Reviewer Details:

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