

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_95561
Title of the Manuscript:	Critical limit of boron in soil and cauliflower
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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Is the manuscript important for scientific community? The paper reveals the values of the geochemical content of boron in soil and plants that is available in cauliflower and exists in soil mostly as an element boron. Boron is usually presents as an un-dissociated boric acid in the soil solution which is taken up by the plants. The authors noted that different species of plant require B differently and the general range for critical deficiency in monocots which requires evaluation and numerical estimation. They presented the pot experiment was conducted to evaluate the critical values of boron in cauliflower soils and in cauliflower plants for predicting response of cauliflower to boron application. Thirty (30) soil samples collected from three rice growing sub-division of Imphal-west district.</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title) Yes, the title is suitable.</p> <p>3. Is the abstract of the article comprehensive? Yes, the Abstract is well written and clearly describes the undertaken study. It is written with clarity of the text logic and organization. The Abstract demonstrates the consistent presentation and interpretation of the results with brief and essential explanations and comments. The results are presented and the contribution of this paper is stated.</p> <p>4. Are subsections and structure of the manuscript appropriate? Yes, the article is well organized with structured sections and includes graphical illustrations and tables, as well as equations and comments on the results. The structure of the manuscript conforms to the journal standards and discipline norm. It has the following standard sections: 1. Introduction; 2. Materials and Methods; 3. Results and Discussion; 4. Conclusion, References. The numeration of the sections is correct and consecutive.</p> <p>5. Do you think the manuscript is scientifically correct? Yes, the manuscript presents a background on the evaluation of concentration of boron in soil and plants (cauliflower) aimed to increase the analysis of the biochemical processes of plants and contributed to the yields and monitoring the soils. The available boron was estimated and reported in the statistical graphs and tables. The authors reported that the critical limit was found to be 0.45 mg kg⁻¹ and 24.59 mg kg⁻¹ in soil and plant, respectively. The results are summarised in figures and commented in the text.</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. Yes, Literature is well referenced and relevant.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	No, English language quality is not suitable. It requires corrections, done in the file Rev_IJPSS_95561_Pil_A	
<p>Optional/General comments</p>	The study presents an environmental analysis on estimation of critical limit of boron in soil and cauliflower. The authors presented a study on cauliflower which expresses its sensitivity towards boron application and ultimately decides the potential of crop yield and the quality of curds and evaluated the content of boron. The authors conducted the study using statistical analysis and presented numerical estimation of critical level of boron concentration in soil and plant.	

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>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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