

**Review Form 3**

Journal Name:	<b>Asian Journal of Soil Science and Plant Nutrition</b>
Manuscript Number:	<b>Ms_AJSSPN_123563</b>
Title of the Manuscript:	<b>Effect of seed treatment of boron, cobalt and molybdenum on growth parameter, grain yield and seed quality in soybean (Glycine max L.) under Inceptisol.</b>
Type of the Article	

## Review Form 3

### PART 1: Review Comments

<b>Compulsory</b> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>The manuscript (Ms_AJSSPN_123563) titled 'Effect of seed treatment of boron, cobalt and molybdenum on growth parameter, grain yield and seed quality in soybean (Glycine max L.) under Inceptisol' seems to be an excellent topic and time worthy. In the manuscripts, the authors tried to analyse the effect of seed treatment on growth parameter, grain yield and seed quality of soybean (Glycine max L.). However, some queries need to address to improve the manuscript. Abstract and methodology sections seem not polished properly. Also, some technical information in the result and discussion section was not written properly. I strongly suggest revising and check the entire manuscript carefully, for which I recommend major revision.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The author should change the manuscript title as there are some gramatical errors. Also, it is better to omit the word "Inceptisol" from the title. Title of the manuscript could be 'Effect of seed treatment with boron, cobalt and molybdenum on growth parameter, grain yield and seed quality of soybean (Glycine max L.)'.</p>	
<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p>Correction is required for the improvement of abstract section. The author should remove the title of the manuscript from the abstract. It is always better to start your abstract mentioning the context of the manuscript and then, key research gap of the existing literature. Currently, it is missing in the abstract section. Even, there is no sentence about implication or signigance of your study. Please quantify your results if possible (what % increase or decrease relative to control treatment). Elaborate the term "RDF" as it is first used in the abstract. For the Kharif season, mention the specific months in the bracket.</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>Re-structure is required for the manuscript. In the introduction section, please add some review of literature related to seed treatment as there is no separate review of literature section in the manuscript. At the end of the introduction section, it is better to state research objectives. Currently, it is missing. Separating the results and discussion sections in a research article is crucial because it enhances clarity and focus, allowing each component of the scientific narrative to be addressed systematically. By maintaining distinct sections, researchers and readers alike can more effectively dissect the evidence and its impact, leading to a clearer, more rigorous understanding of the study's contributions. The author can separate the results and discussion sections for the manuscript.</p>	
<p><b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b></p>	<p>The manuscript currently has several scientific and technical shortcomings. In the material and methods section, the author can include a map of the study area. Please write some sentences in the material and methods section describing how you treated your seed. The author should mention the source of recommended fertilizer dose in the material and methods section. In the result and discussion section, it is highly recommended not to write full treatment name e.g. treatment (T8) RDF+ Boron @ 2 gm kg-1 seed+ Cobalt @ 1.5 gm kg-1 seed + Ammonium molybadte @ 1 gm kg-1 seed, just write T8 treatment as you already mentioned it in the material and methods section, and and maintain it all over the result section. Please use similar SI unit (mg or gm) all over the manuscript. In the Table 1 and Table 2, please check your SE and CD value as these values are very high in the Table 2. For T8 tratment, Test Weight is very high relative to other values (Table 2) and seed yield is very low. Please check your data.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b> =</p>	<p>The author should follow journal guideline for writing reference section. Please add reference where statistical data are mentioned e.g. Madhya Pradesh and Maharashtra states are the major producers of soybean accounting for 87 percent of acre and 82 percent of the production. Also, add comma after Devi et al. (introduction section) and maintain it all over the manuscript. Following references might be useful.</p> <p>1. Islam MS, Bell RW, Miah MAM, Alam MJ (2022) Unbalanced fertilizer use in the Eastern Gangetic Plain: The influence of Government recommendations, fertilizer type, farm size and cropping patterns. PLoS ONE 17(7): e0272146. <a href="https://doi.org/10.1371/journal.pone.0272146">https://doi.org/10.1371/journal.pone.0272146</a></p>	

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Minor REVISION comments <b>Is the language/English quality of the article suitable for scholarly communications?</b>	To enhance clarity, a language improvement is highly recommended.	
<b>Optional/General</b> comments		

**PART 2:**

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

**Reviewer Details:**

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