

## Review Form 1.7

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_108092</b>
Title of the Manuscript:	<b>Effect of Seed Treatment and Phosphorus Levels on Growth, Yield and Economics of Cowpea (Vigna unguiculata L.)</b>
Type of the Article	<b>Original Research Article</b>

### 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>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>The article is original and includes important issues and analyzes to effect of Seed Treatment and Phosphorus Levels on Growth, Yield and Economics of Cowpea (Vigna unguiculata L.) in Solan, Himachal Pradesh.</p> <p>Plant height, number of branches plant, number of pods plant, total dry matter, and pod yield were studied at sixteen different treatments for cowpea variety "Himlobia-2" as well as assess soil pH, organic carbon, EC and phosphorus.</p> <p>It is interesting and deserves attention!</p> <p>This research is unique in because most of the soil under Mid-hill condition of Himachal Pradesh is acidic in nature and contains free oxides and low amounts of available nitrogen and phosphorus. This combination of factors makes it challenging to grow productive cowpea crops in this region.</p> <p>The article is structured correctly and written in a good style, and the terminology used is correct. From the literature review, which includes 8 literature sources, it is clear that the author knows well the state of the problem. The results of the experiments are presented on 6 pages and are illustrated with 3 tables, consistent with the specifics of specific indicators, as well as the large number of studies reflected in the methodology of the article.</p> <p>The obtained results are interpreted correctly, and the methodology used is adequate to the set tasks. A very good statistical processing of the data has been made, which allows making reliable and substantiated conclusions.</p> <p>This work reveals that bio-fertilizers are very important, because when seeds are treated with rhizobium and phosphate solubilizing bio-fertilizers (PSB), the growth of plants improves a lot. This includes better root growth, more nodules, and ultimately, more cowpea pods are produced. Economically, (S3) Rhizobium + PSB of seed result in higher gross returns, net returns and B:C ratio under Mid-hills of Himachal Pradesh.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language quality of the article is suitable for scholarly communications.</p> <p>The exact terminologies and assay names used in the study were used.</p>	
<p><b>Optional/General</b> 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><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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