

## Review Form 1.7

Journal Name:	<b>International Journal of Plant &amp; Soil Science</b>
Manuscript Number:	<b>Ms_IJPSS_116256</b>
Title of the Manuscript:	<b>Impact of Nano DAP and Zn EDTA on cowpea growth and yield</b>
Type of the Article	

### 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>1. The present research studied the impact of Nano DAP and Zn EDTA fertilizers in the planting soil with low content of C, F, low availability of N and high content of P and mesio Zn to improve the growth and yield attributes of Cowpea. A random block design was used with a total of 7 treatments that allowed us to estimate that to obtain a maximum height of up to 55.32 cm, a leaf area index of 3.56, the maximum leaf branching of 7.92, up to 4800 kg ha<sup>-1</sup> of dry matter, up to 19.1 pods with a maximum specific weight of 13.0g, with a maximum seed yield of 1720 kh ha<sup>-1</sup>, 3670 kg ha<sup>-1</sup> of litter yield, with a harvest index of 31.91, 0.2% of Nano DAP is necessary and a foliar spray of 3% Zn EDTA. Due to the above, an important contribution is observed in the scientific community.</p> <p>2. The title shows the innovation and/or contribution of the research.</p> <p>3. The summary does not contain the main results obtained from the investigation, so it is requested that you detail the findings and their importance.</p> <p>4. The paragraphs and writings presented in the manuscript are made correctly but it does not include a conclusions section where the importance of the study is revealed in a concrete way.</p> <p>5. The article is scientifically correct because it adheres to the bases of the scientific method.</p> <p>6. The manuscript contains 48% updated bibliographic references, so it is recommended to carry out a new, more recent search for new findings on the topic addressed; It is suggested that at least 80% be updated no older than 5 years.</p> <p>7. Include graphs instead of tables for each treatment and each attribute, as well as statistics performed through error bars and standard deviation. To report the results in a more efficient way.</p> <p>8. It is necessary to include the Conclusions section.</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 is clear, although a grammatical correction can be made.</p>	
<p><b>Optional/General</b> comments</p>	<p>In the introduction it does not mention the specific nutritional requirements for Cowpea, what is mentioned is generalized. Likewise, the Nano DAP and Zn EDTA fertilizers must have their full scientific name clarified and may present their molecular structure as well as their trademark and how they were obtained, no batch number among other data. Including in background other works that have used these fertilizers can support their use.</p>	

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**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>	

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