

Review Form 3

Journal Name:	Annual Research & Review in Biology
Manuscript Number:	Ms_ARRB_123801
Title of the Manuscript:	Effects of seed size on germination, seedling vigour and other seed quality characters of fodder cowpea (<i>Vigna unguiculata</i> (L) Walp) varieties
Type of the Article	Full Article

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PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p>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.</p>	<p>The topic of the effects of seed size on germination, seedling vigor, and other seed quality characters of fodder cowpea (<i>Vigna unguiculata</i> (L.) Walp) varieties is significant in agricultural research and practice. Understanding how seed size influences these parameters can lead to improved crop management strategies, enhanced yield, and better resource utilization. Seed size is a critical factor that affects germination rates and seedling vigor. Larger seeds often exhibit higher germination rates and more robust seedling growth compared to smaller seeds. This phenomenon is attributed to the greater energy reserves available in larger seeds, which can support the seedling during its initial growth stages. In the context of fodder cowpea, which is an important legume crop in many regions, the implications of seed size extend beyond germination and vigor. Seed quality attributes, including seed size and shape, are crucial for determining the overall productivity of the crop. Studies have shown that variations in seed size can lead to differences in biomass yield and forage quality, which are vital for livestock nutrition. Therefore, selecting appropriate seed sizes can enhance the nutritional value of fodder cowpea, making it a more effective feed source.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>"Impact of Seed Size on Germination, Seedling Vigor, and Quality Traits in Fodder Cowpea (<i>Vigna unguiculata</i> (L.) Walp) Varieties"</p>	
<p>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.</p>	<p>Needs to be native in terms of writing in English.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes, it is suitable in terms of the article's infrastructure.</p>	
<p>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.</p>	<p>It is a good job, but the importance of doing it has not been mentioned. It is better to write a few sentences about the importance of the subject in the introduction. Needs to be native in terms of writing in English.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :</p>	<p>References are insufficient. New and updated sources have not been used. The format of the sources has not been adhered to.</p>	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The quality of the language/English in the article is not suitable for scientific communications.</p>	
<p><u>Optional/General</u> comments</p>	<p>Some writing errors have been mentioned at the beginning of the article. The quality of the English in the article should be revised and resubmitted.</p>	

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PART 2:

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

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