

Review Form 1.7

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_118711
Title of the Manuscript:	Exploring Genetic Variability Parameters for Yield and Quality Traits in Urdbean Genotypes and its Triple Test Cross F1 Hybrids.
Type of the Article	

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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> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The legume, Urdbean (<i>Vigna mungo</i>), is a widely consumed crop in India. Its seeds are rich in nutrients, mainly proteins, essential amino acids and minerals such as iron and phosphorus, enriching the diet of the populations that consume it. Even though it is important in the diet of the Indian population, its productivity has the potential to increase, using quantitative and qualitative characteristics and genetic improvement of cultivar genotypes. The present manuscript aims to understand these characteristics to obtain superior genotypes for future application in breeding programs in field trials.</p> <ol style="list-style-type: none"> 1. Yes! The manuscript is important for the scientific community! 2. Yes! The title seems appropriate to the topic of study! 3. Yes! The summary contains all the important research information! 4. Yes, the subsections and structure are adequate in the manuscript. 5. Yes, the summary contains all the important research information. The authors made a good introduction, explained the importance of culture in the population's diet; the need for new studies to increase productivity, especially genetic improvement studies. In Material and Methods, to observe the characteristics to be proven, the authors make correct use of analyses: (analysis of variance for randomized block design; Coefficient of Genotypic and Phenotypic Variation...). <p>The authors use tables and figures to explain the data obtained, describing the percentages of genetic advancement and heritability estimates. The conclusion of the experiment is robust and concluded that the phenotypic variance was higher than the genotypic variance for all studied traits, reporting the environmental factor in the characters and that the presence of genetic variance can be improved through direct selection.</p> <ol style="list-style-type: none"> 6. Most of the references are classics on the research topic and the number of references is sufficient, with 50% being less than 10 years old. <p>In my opinion, the manuscript is well written, contains all possible information and meets the standards of a manuscript.</p> <p>➤ Therefore, my opinion is to DEFER the manuscript for publication!</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 		
<p>Optional/General comments</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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