

Review Form 3

Journal Name:	Asian Journal of Research in Agriculture and Forestry
Manuscript Number:	Ms_AJRAF_125120
Title of the Manuscript:	Estimation of Genetic Parameters in Bread Wheat (<i>Triticum Aestivum</i> L.) Genotypes Evaluated Under High Temperature Yield Trial in Ethiopia
Type of the Article	Original Research Article

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PART 1: Review Comments

Compulsory 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)
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.	The magnitude of PCV values higher than GCV which indicates the degree of influence of environment over genotypic effect. High heritability accompanied with high genetic advance as percent of the mean was recorded for days to heading, plant height, thousand kernel weights and grain yield which revealed traits was simply inherited. Selection and hybridization of genotypes with high genotypic coefficient of variation, heritability and genetic advance can be recommended for further bread wheat yield enhancement under targeted area of high temperature condition in the country	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	Yes	
Are subsections and structure of the manuscript appropriate?	Yes	
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.	1 - The manuscript is sufficiently robust and technically sound. 2 - Abstract : Informative, gives an overview of everything in the research. 3 - Introduction : there is bring out the importance of the subject (Estimation of Genetic Parameters in Bread Wheat (<i>Triticum Aestivum</i> L.) Genotypes Evaluated Under High Temperature Yield Trial in Ethiopia) and presented an overview of current research on the subject. 4 - Materials & methods : the suitability and technical standards of the methods is very good. 5 - Sufficient and appropriate statistical analyses have been carried out. 6 - Results & discussion : the data well controlled and robust. 7 - The relevant and current references during discussion. 8 - Discussion and conclusions based on actual facts. 9 - Conclusion : supported by the data and discussed inside the manuscript.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	Yes	

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p>Optional/General comments</p>	<p>In page (2) :</p> <p>Alemu <i>et al.</i>, 2019; Gadisa <i>et al.</i>, 2022).</p> <p>Correct : Alemu <i>et al.</i>, 2017; Gadisa <i>et al.</i>, 2021).</p> <p>In page (4) :</p> <p>(Hanson <i>et al.</i>, 1956).</p> <p>This citation is not found in the References</p> <p>σ^2_g= genotypic variance,</p> <p>Correct : σ^2_p= phenotypic variance,</p> <p>$pcov_{xy}$=Phenotypic covariance between traits x and y, $gcov_{xy}$ = Genotypic covariance between traits and y , $ecov_{xy}$ = Environmental covariance between character x and y.</p> <p>The covariance was not calculated . Delete this sentences .</p> <p>In page (10): there are citations not found in the References</p> <p>Kumer <i>et al.</i> (2013) Ashfaq <i>et al.</i>(2014). Bhushan <i>et al.</i> (2013) Also , in page (11) : Bhushan <i>et al.</i> (2013)</p> <p>Also in page (12)</p> <p>Johnson <i>et al.</i> (1955 Also , in page (13):</p> <p>Johnson <i>et al.</i> (1955 Kumer <i>et al.</i> (2013)</p> <p>Also , in page (15 + 16):</p> <p>Surma <i>et al.</i> (2012) Ashebr <i>et al.</i>, (2020).</p> <p>In page (18) : There are References not found in the manuscript :</p> <p>12 - Devesh P, Moitra PK, Shukla RS, Shukla SS, Pandey S, Arya G. 2018. Analysis of variability, heritability and genetic advance of yield, its components and quality traits in</p>	

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	<p>wheat. International Journal of Agriculture, Environment and Biotechnology. 17(4):855-9.</p> <p>13- Endashaw Girma Seyoum and Alemnesh Sisay. 2021. Estimation of Genetic Variability, Heritability and Genetic Advance in Bread Wheat (<i>Triticum aestivum</i> L.). International Journal of Research Studies in Agricultural Sciences (IJRSAS), 7(9), pp. 17-26. DOI: http://dx.doi.org/ 10.20431/2454-6224.0709004.</p> <p>18- Gadisa, A., Alemu, D., Negash, G., Tafesse, S., Abebe, D., Rut, D., Habtemariam, Z., Dawit, A., Abebe, G., Bayisa, A., Demeke, Z., Bekele, G., Ayele, B., Bedada, G. 2020. Development of bread wheat (<i>Triticum aestivum</i> L.) varieties for high moisture areas of Ethiopia: A G×E interaction and stability analysis for grain yield. Journal of Plant Breeding and Genetics 07(2) 87–94.</p> <p>Also in page (20):</p> <p>37- Singh, R.K. and Chaudhary, B.D. 1997. Biometrical methods in quantitative genetics analysis. Kalyani Pub.New Delhi, India.</p> <p>38- Tadiyos BS; Mihratu AK. 2020. Genetic variability of yield and yield related traits in bread wheat (<i>Triticum aestivum</i>. L) Genotypes under high temperature condition. Greener Journal of Plant Breeding and Crop Science,8(1): 06-12</p>	
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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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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