

## Review Form 1.6

Journal Name:	<a href="#">International Journal of Plant &amp; Soil Science</a>
Manuscript Number:	Ms_IJPSS_86632
Title of the Manuscript:	Mid-parent and better parent heterosis study on highland quality protein maize hybrids in Ethiopia
Type of the Article	Original Research Article

### **General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijpss.com/index.php/IJPSS/editorial-policy> )

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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)
<b>Compulsory</b> REVISION comments	<p>This is a good study, however, the manuscript needs improvement. Authors should consider the following:</p> <ul style="list-style-type: none"> <li>○ In the abstract, the objective statement has been stated twice. Please delete one of the statements (see comment/suggestion) in attached reviewed manuscript.</li> <li>○ For the following traits; CLR = Common Leaf Rust (1-5 scoring), TLB = Turicum Leaf Blight (1-5 scoring), EAS = Ear Aspect (1-5 scoring), PAS = Plant Aspect (1-5 scoring), authors should inform the readers what 1 and 5 mean. This is important since the scoring scale affects the direction of desirable heterosis.</li> <li>○ The genetic interpretation/implications of mid parent and better parent have not been discussed. This should be discussed with references cited.</li> <li>○ Instead of having both mid parent and better parent heterosis I suggest the authors drop one of these and replace with standard heterosis.</li> <li>○ Standard heterosis is very important especially if you are developing hybrids that you intend to release as cultivars. You would want to compare the experimental hybrids with standard commercial hybrids – this is what breeders do when they estimate standard heterosis.</li> <li>○ I suggest a slight change of title to: "Mid-parent and standard heterosis study on highland quality protein maize hybrids in Ethiopia".</li> <li>○ This means the authors should analyse standard heterosis and present and discuss the results along with mid-parent heterosis. The authors already have standard heterosis information but I do not know the reason why they have excluded it in their study.</li> </ul>	
<b>Minor</b> REVISION comments	See attached reviewed manuscript for details	
<b>Optional/General</b> comments		

### 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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