

Review Form 3

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| Journal Name: | International Journal of Plant & Soil Science |
| Manuscript Number: | Ms_IJPSS_121794 |
| Title of the Manuscript: | Genotypic and phenotypic correlation and Path analysis of Yield and Seedling Vigour Related Traits in wild introgression lines |
| Type of the Article | |

Review Form 3

PART 1: Review Comments

| <u>Compulsory</u> REVISION comments | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|---|---|--|
| 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. | | |
| Is the title of the article suitable? (If not please suggest an alternative title) | | |
| 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. | | |
| Are subsections and structure of the manuscript appropriate? | | |
| 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. | <ol style="list-style-type: none"> 1. What phenotypic traits can be measured to assess the yield and seed vigor of wild introgressed lines, and how can they be measured accurately? 2. How does the relationship between genotypic and phenotypic variation in wild introgressed lines influence yield potential under different environmental conditions? 3. What is the role of pathway analysis in understanding the contribution of individual phenotypic traits to seed yield and vigor, and how can this method be applied in plant research? 4. In the context of wild introgressed lines, how can genetic interactions between different traits influence the stability and competitiveness of seedlings in the field? | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | | |
| <u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications? | | |
| <u>Optional/General</u> comments | | |

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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> |
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| 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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|----------------------------------|--|
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