

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_102541
Title of the Manuscript:	Influence of Potassium and Spacing on Growth and Yield of Mustard (<i>Brassica juncea</i> L.)
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.journalijecc.com/index.php/IJECC/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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p>	<ul style="list-style-type: none"> • As a high energy element of food, edible oil is vital for meeting the calorific requirements of human beings. • Primary sources of oilseeds are made by combining the edible group [(Groundnut, Rapeseed (Toria, Mustard and Sarson), Soybean, Sunflower, Sesame, Safflower and Niger)]and non-edible group (Castor and Linseed). • Establishment of Technology Mission on Oilseeds (TMO) in 1986, a key breakthrough in increasing oilseeds production was attained through an integrated approach by introducing innovative crop production technologies, improved supply of inputs and extension services support for marketing, post- harvest technologies, and excellent coordination between various concerned organizations/ departments and Ministries. • Yes, the title of the manuscript is suitable and appropriate enough. • Yes, the abstract written is comprehensive. • Yes, they are appropriate enough addressing various significant aspects and illustrating the general sub-sections viz., Abstract, Introduction, Materials and Methods, Results and Discussion and Conclusion as well. • In addition, the statistical analysis has been well exemplified and depicted as Tables in an eloquent manner. • The study stated that the productivity of mustard crops is significantly influenced by effective crop management techniques, which include choosing high-yielding, disease and pest-resistant varieties and espousing proper crop rotation, adequate plant stand, balanced plant nutrition, timely planting, need-based plant protection, irrigation, and weed control. • Furthermore, lack of potassium lowers yield and oil content and has a detrimental impact on the ratio of unsaturated to saturated fatty acids reports earlier findings. • Hence, it is crucial to manage plant populations by planting techniques that may aid in averting overcrowding and so permit the plants to utilize the resources more effectively and efficiently, leading to greater output. • The research revealed that with the application of Potassium 50 kg/ha along with the spacing 45 x 10 cm (Treatment-9), has performed positive performance was observed along with an improved growth and yield parameters. 	

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<p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ul style="list-style-type: none"> The references cited are adequate and recent enough. 	
<p><u>Minor</u> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<ul style="list-style-type: none"> Abstract, 4th line: on the growth; 6th line: of the experimental plot; 10th & 11th lines: the higher; last line: with the application – correct the usage of articles. Introduction, 2nd line: of the country- add an article. Introduction, 5th line made by combining- insert a preposition. Introduction, 11th line: on the import- insert a space. Introduction, 2nd paragraph, 1st line: has a primary center- add an article. Results and Discussion, 6th line: An Increase in- add an article. Yield attributes, 1st sentence: The significantly- Change the adjective. The usage of the English language is appropriate and well suitable for scholarly communications. 	
<p><u>Optional/General</u> comments</p>	<ul style="list-style-type: none"> The observations were recorded for plant height, dry weight, Crop growth rate, number of siliqua per plant, number of seeds per siliqua, test weight, see yield and stover yield. The data were subjected to statistical analysis by analysis of variance method (Gomez and Gomez, 1976). The observations are recorded and concisely documented in tabular forms <i>viz.</i>, Influence of Potassium and Spacing on growth parameters of Mustard and on yield attributes of Mustard. Overall, the manuscript has been succinctly described and well-presented with related statistical data that has been concisely documented in the fine Tabular forms. 	

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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>	

Reviewer Details:

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