

## Review Form 1.7

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_105208</b>
Title of the Manuscript:	<b>Effect of Different Spacing and Time of Planting on growth and yield of Chinese Cabbage (Brassica rapa) Under Prayagraj Agro Climatic Condition</b>
Type of the Article	<b>Original Research Article</b>

### **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><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></b></p>	<p><b>General Comments</b></p> <p>From my point of view, it is a very interesting topic and simultaneously it seems that to the best of my knowledge is an important research where a field experiment was conducted during the rabi season in 2022-23 at vegetable research farm, Department of Horticulture, Naini Agricultural Institute, Sam Higginbottom University of Agriculture, Technology &amp; Sciences, Prayagraj (UP). The experiment consisted of nine treatments combinations with three plants spacing viz. (i) 30 x 45cm, (ii) 45 x 60cm and (iii) 45 x 45cm and three levels of sowing date viz. (i) November 5<sup>th</sup> 2022, (ii) November 12<sup>th</sup> 2022, (iii) November 19<sup>th</sup> 2022, were included in the study in Randomized Block Design with three replications. The growth, yield and quality contributing all characters were significantly influenced by the treatments. The highest plant height, number of leaves, weight of head per plant, chlorophyll content and length of outer leaves (cm) as recorded in T6 (D<sup>2</sup>S<sup>3</sup>) (plants sowing November 12<sup>th</sup> 2022 with spacing 45 x 45cm) followed by T3 (D<sup>1</sup>S<sup>3</sup>) and lowest in T7 (D<sup>3</sup>S<sup>1</sup>). The maximum weight of head per m<sup>2</sup>, yield per plot (79.6kg) and yield per hectare (89.1t ha) were recorded in T4 (D<sup>2</sup>S<sup>1</sup>) (plants sowing November 12<sup>th</sup> 2022 with spacing 30 x 45cm) followed by T1 (D<sup>1</sup>S<sup>1</sup>) and minimum weight of head per m<sup>2</sup>, yield per plot (35.6kg) and yield per hectare (199.0 t ha<sup>-1</sup>) were recorded in T8 (D<sup>3</sup>S<sup>2</sup>) of Chinese cabbage. The paper consists of the sections: Introduction, Materials and Methods, Results and Discussion and Conclusion.</p> <p><b>However, I find some recommendations:</b></p> <ol style="list-style-type: none"> <li>The abstract must contains the main purpose of the paper, the research method used in the research and the main contributions.</li> <li>It would be very useful to add in the "Introduction" section the purpose, objectives and hypothesis of the research.</li> <li>The Literature Review section cannot be missing from the paper.</li> <li>We consider that the introduction should specify the novelty of the paper compared to other papers published in this area.</li> <li>I consider an econometric model, descriptive statistics with Standard deviation, Jarque Bera test, Kurtosis etc, VIF test, correlation matrix will increase the quality of the paper.</li> </ol> <p>We recommend the authors to number the paragraphs: 1. Introduction; 2.Literature review; 3. Methods and Results, Discussions and Conclusions. In conclusion, the article should be thoroughly rebuilt (changes in structure recommended above). It should also be enhanced with a review of the literature adequate to the subject and a broader interpretation and commentary of the research results.</p>	
<p><b>Minor</b> REVISION comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	Yes	
<p><b>Optional/General</b> comments</p>	The Manuscript needs careful English proofreading because there are some shortcomings. For instance, the article "the" is sometimes missing in front of nouns, the message in some paragraphs is not clear enough.	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <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>
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

**Reviewer Details:**

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