

Review Form 1.7

Journal Name:	Asian Journal of Agricultural and Horticultural Research
Manuscript Number:	Ms_AJHR_104260
Title of the Manuscript:	Enersol promotes growth and yield performance of pechay (<i>Brassica rapa</i> L. var. <i>chinensis</i> (L.) Hanelt)
Type of the Article	Short 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.journalajahr.com/index.php/AJHR/editorial-policy>)

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PART 1: Review Comments

	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>
<p><u>Compulsory</u> 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> <p>6. Are the references sufficient and recent? If you have suggestions 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>	<p>The manuscript appears to be of interest to the scientific community because it looks into the effects of Enersol® Low Dust Granules (LDG) in combination with inorganic fertilizer on pechay production. Understanding the potential benefits of using LDG in agriculture can be useful for researchers, agronomists, and farmers interested in sustainable and efficient farming practices.</p> <p>"Effects of Enersol® Low Dust Granules in Combination with Inorganic Fertilizer on Pechay (Brassica rapa L. cv. Group Choi) Production," the title of the article, is appropriate because it clearly indicates the focus of the study, the specific treatments being investigated, and the target crop.</p> <p>The article's abstract appears to be comprehensive, as it briefly introduces the research objectives, methodology, key findings, and conclusions. There is room for improvement, however, in terms of clarity and providing more specific findings to entice readers to read the entire paper.</p> <p>The manuscript's subsections and structure appear appropriate, as they follow a standard research paper format with an introduction, materials and methods, results, discussion, and conclusion. However, as previously stated, the study could benefit from a more thorough literature review section.</p> <p>Without access to the full paper and data, the scientific correctness of the manuscript cannot be fully evaluated. The study appears to use a randomized complete block design, which is a common and appropriate method for agricultural experiments, based on the information provided.</p> <p>The references cited in the review form are not available, so it is challenging to assess their sufficiency and recency. The manuscript should ideally include a well-rounded selection of recent and relevant studies on pechay cultivation, inorganic fertilizer use, and LDG application. Recent research papers (published within the last 5 years) would strengthen the paper's credibility and context within the current scientific literature.</p> <p>Clearer Research Objectives: The introduction should clearly state the specific research objectives of the study. What specific aspects of pechay production and growth are being investigated? This will help readers understand the context and purpose of the research better.</p> <p>Literature Review: The article lacks a comprehensive literature review. It is essential to provide a background on existing studies and findings related to pechay cultivation, the use of inorganic fertilizers, and the application of Enersol® LDG in agriculture. A literature review helps place the current study in the broader context of existing knowledge and highlights the research gaps the study aims to address.</p> <p>Methods and Replications: The methods section could be more detailed and provide information</p>	

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	<p>about the experimental design, randomization procedures, and how treatments were assigned to plots. Additionally, while the study mentions using a randomized complete block design with three replications, it does not discuss why this specific design was chosen and how it contributes to the validity of the results.</p> <p>Control Group Explanation: The rationale behind choosing the specific control group should be clarified. Why was this treatment (Control) selected, and what is its purpose in the study?</p> <p>Statistical Analysis: The article mentions using SAS for data analysis, but it would be helpful to provide more information on the statistical tests used for comparing treatment means and why Tukey's Test was chosen. Additionally, the significance levels for the statistical tests should be reported.</p> <p>Results Presentation: The results section would benefit from clearer and more concise presentation of the data. Tables and figures should be appropriately labeled, and it would be helpful to include standard deviations or confidence intervals for the reported means to show the variability of the data.</p> <p>Discussion and Interpretation: The discussion section should provide a more comprehensive interpretation of the results, linking them back to the research objectives. Additionally, the discussion could include comparisons with previous studies and insights into the underlying mechanisms that may explain the observed effects of the treatments.</p> <p>Practical Implications: The article could benefit from a section discussing the practical implications of the findings for farmers and agricultural practices. How can the results be applied in real-world scenarios, and what are the potential benefits and challenges of using Enersol® LDG in combination with inorganic fertilizers?</p> <p>Limitations and Future Research: It is essential to acknowledge the limitations of the study and potential sources of bias or confounding factors that could have influenced the results. Suggesting areas for future research can also help guide further investigations in this field.</p> <p>Citation Style: The article should adhere to a specific citation style (e.g., APA, MLA) consistently throughout the text and references.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>		

PART 2:

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

Reviewer Details:

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