

Review Form 3

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| Journal Name: | International Journal of Plant & Soil Science |
| Manuscript Number: | Ms_IJPSS_128297 |
| Title of the Manuscript: | Impact of Different Organic and Inorganic Fertilizers on Chemical Properties, Nutrient Content, Uptake and Yield of Maize (Zea mays L.) |
| Type of the Article | Original Research Article |

PART 1: 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> |
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| Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part. | This manuscript holds significant importance for the scientific community as it provides valuable insights into sustainable nutrient management practices in maize cultivation. By examining the synergistic effects of integrating organic and inorganic fertilizers on soil health, nutrient uptake, and crop yield, the study addresses critical aspects of agricultural sustainability. The findings contribute to optimizing fertilizer strategies that not only enhance maize productivity but also maintain soil fertility and environmental quality. Moreover, the results offer practical recommendations for farmers and policymakers to improve nutrient use efficiency and ensure food security, making it a vital resource for advancing agricultural science and practice. | Necessary corrections completed |
| Is the title of the article suitable? (If not please suggest an alternative title) | Suggestion "Effects of Organic and Inorganic Fertilizers on Soil Properties, Nutrient Dynamics, and Maize Yield." | Necessary corrections completed |

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| <p>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.</p> | <ul style="list-style-type: none"> Clearly define the research gap this study aims to address in the introduction of the abstract. For instance, specify why the combination of organic and inorganic fertilizers is significant. Mention units for numerical | <p>Necessary corrections completed</p> |
| <p>Is the manuscript scientifically, correct? Please write here.</p> | <p>Correct</p> <p>Introduction:</p> <ul style="list-style-type: none"> The introduction should clearly articulate the research problem and objectives. While it provides useful background on maize's significance, it could more explicitly state the gap this study aims to address, i.e., the specific impact of combining organic and inorganic fertilizers on maize. <i>Example:</i> Instead of broadly discussing maize's global and national importance, consider condensing this section and focusing more on the challenges and opportunities related to nutrient management in maize cultivation. Add a transition from general maize production statistics to the specific context of nutrient management. While national and state-level production data Combine the description of maize's economic and nutritional significance into a single, concise paragraph. <p>Material and Methods</p> <ul style="list-style-type: none"> Provide more details about the environmental and soil conditions of the Zonal Agriculture Research Station, Chhindwara. Mention Dosages for Manures and fertilizers What laboratory methods were used for soil and plant analysis Include details on the statistical analysis performed <p>Result and Discussions</p> <ul style="list-style-type: none"> Mention anyone- treatment number or details provide more in-depth analysis of why certain treatments (e.g., T6) performed better. Why does FYM have a synergistic effect when combined with RDF? Discuss mechanisms behind the enhanced uptake of Zn when supplemented with organic and inorganic sources. | <p>Necessary corrections completed</p> |
| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> | <ul style="list-style-type: none"> Add some more recent references | <p>Necessary corrections completed</p> |
| <p>Is the language/English quality of the article suitable for scholarly communications?</p> | <p>yes</p> | <p>Necessary corrections completed</p> |
| <p><u>Optional/General</u> comments</p> | | |

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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> | No any ethical issues |