

Review Form 3

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| Journal Name:            | Asian Journal of Soil Science and Plant Nutrition   |
| Manuscript Number:       | Ms_AJSSPN_130159  |
| Title of the Manuscript: | Effect of Seed priming, Beejamrit, Jeevamrit and Micronutrients on Symbiotic traits, Growth attributes, Dehydrogenase activity (DHA), Leghaemoglobin content, Protein content and Grain yield of chickpea |
| Type of the Article      | Original Research Article   |

PART 1: Comments

|  | Reviewer's comment  | Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
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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 is of significant importance to the scientific community as it provides valuable insights into sustainable agricultural practices for chickpea cultivation, particularly in Vertisols. The study comprehensively evaluates the impact of integrated nutrient management strategies, including seed priming, Beejamrit, Jeevamrit, and micronutrients, on crucial agronomic and symbiotic traits. By highlighting the roles of molybdenum and other micronutrients in enhancing biological nitrogen fixation, dehydrogenase activity, and leghaemoglobin content, the research underscores their potential for improving soil health, protein content, and grain yield. These findings contribute to the development of eco-friendly and cost-effective approaches for legume production, which is vital for ensuring food security and soil fertility in regions practicing intensive soybean-chickpea cropping systems | Related points included and highlighted in introduction part.  |
| Is the title of the article suitable? (If not please suggest an alternative title)   | The title is correctly written but avoid acronym (DHA) in the title   | Extended form of DHA is written in manuscript.   |
| 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.      | Yes, the abstract is comprehensive. I would suggest add location of the experiment in the abstract.   | Location of experiment is mentioned in the abstract.   |
| Is the manuscript scientifically, correct? Please write here.  | Yes, the authors have made right direction attempt, though I have some point for improvement of the manuscript quality, ultimately leads to the matching standards of the Journal.  | Necessary improvement in the manuscript is done wherever suggested under different comments and highlighted.   |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.                              | Add suitable reference in the material and method section behind each treatments. Additionally, I suggest the following reference for improvement of the discussion part of the manuscript. Korat, H., Mathukia, R., & Talaviya, H. (2023). Comparative evaluation of low-cost natural farming, organic farming and conventional farming in major crops of South Saurashtra region at Junagadh, Gujarat, India. Environment Conservation Journal, 24(3), 126-135.   | References are added under materials and methods portion wherever required. This reference included under discussion portion.                                |

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| Is the language/English quality of the article suitable for scholarly communications? | Multiple typographical error is there in whole manuscript. I would suggest to the authors to scrutinize the content in very closely.  | Checked for typographical error and necessary correction is done.  |
| Optional/General comments   | <p><b>Introduction;</b> at the end of the section add clear objective paragraph of the study. Add some study with same treatment have brought yield and other improvement on other crop.</p> <p><b>Material and Method:</b> Give in detail location ( Longitude and Latitude of the research field) Write the treatment details in table form, after addition the table no need to write whole treatment onwards in the manuscript.</p> <p><b>Table:</b> as you have conducted the experiment in triplicate, so write each value in the <math>\pm</math> RSD value.</p> <p><b>Figure:</b> Give Error bar over the each bar of the graph.</p> <p>Add conclusion part to give overall outcome of the study.</p> | <p><b>Introduction-</b> Added.</p> <p><b>Material and methods-</b> Included as suggested.</p> <p><b>Table-</b> C.V. or R.S.D. both having same formula, is included.</p> <p><b>Figure-</b> Error bars mentioned.</p> <p><b>Conclusion-</b> Overall outcome mentioned as suggested and highlighted.</p> |

PART 2:

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|  | 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) |
| Are there ethical issues in this manuscript? | (If yes, Kindly please write down the ethical issues here in details) | No ethical issues.  |