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| Book Name: | [**Agricultural Sciences: Techniques and Innovations**](https://bookstore.bookpi.org/product/agricultural-sciences-techniques-and-innovations-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_6103** |
| Title of the Manuscript: | **Performance Analysis of Sweet Pepper (Capsicum annum L.) Under Varied Farming Managements in Marginal Uplands** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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)* |
| **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.** | **Nitrogen fertilizers used in commercial agriculture are contributing to GHG emission therefore, organic fertilizers are a solution to lowering the carbon footprint from agriculture. When done correctly nd consistently, organic farming will improve productivity and can be a sustainable way to produce food for the growing world population.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **Topic is sound.** |  |
| 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. | **Need to rewrite the section bringing out more results from the experiment treatment**  **The conclusion needs to be direct. What are the insights?** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Scientifically correctly but there is need for more rigor (addition of more parameters) to bring out the aspect of ‘performance.’ More scientific discourse is warranted because this a is Book Chapter not a normal publication.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **The references are recent enough but because the discussion was done inadequately, the list could be improved significantly** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **The language is clear enough for scholarly communication but the depth is not.** |  |
| Optional/General comments | **>It should be important to mention the convention pesticides which were used for weeding, dieases and fungal control as these may have had an effect on the effectiveness of the microbes.**  **>With possible flooding of the experimental site, the research could indicate how he/she prevented the washing of nutrients or microbes from on plot and to be deposited onto another plot.**  **>Soil analysis done: I get that, the initial soil analysis was necessary but what l don’t get is the rationale of a compositie soil analysis of the experimental site. Since plots were subjected to different treatments, in order to bring out the effectiveness of the added advantage of the application of the treatments, l suggest that the analysis should have been done per treatment then compared between the treats and also with the initial analysis results. So, Section 3.2 should be removed entirely but the analysis results before planting could be placed under Materials and Methods to give us an insight of the area prior to application of the treatments. Otherwise, the after harvesting soil analysis is NOT helping explain the positive effect of treatment application.**  **>Section 3.2, please note….Plant height recorded after 15 DAT revealed the highest from Treatments 3 although it did not differ statistically from Treatment 2 and Treatment 4 NOT as stated here, ‘***Table 2 shows Treatment 2 (Inorganic fertilizer) exhibited the tallest plants at all growth stages (15, 30, and 45 DAT), with an impressive height measurement of 57.64 cm at 45 days*.’  **Instead of aligning your results to previous studies, the research could try explain why his/her results came out as they are. The researcher should relate to the treatments applied because that is what was being investigated.**  **If literature has it that the nutrients from the organics are slowly released into the rhizospehre for plant extraction, could the researcher had applied the treatments earlier prior to planting so that the plant cmay benefit for the treatment…?**  **Discussion for LAI not given**  **Section 3.4; the discussion is not adequate to explain the effect of the different treatments on yield and yield components**  **Section 3.5; Components loading pertaining to plant heigit 15, 30 ,45 DAT, what does it mean if the highest positive is obtained at 15DAT and a negative at 45DAT…does it mean the plant should stop growing or end at 15 DAT. This analysis based on timing should be revised.**  **The Princiapa Component Analysis is not described in the Materials and Methods** |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)*  **No ethical issues** |  |

**Reviewer details:**

**Moses Mutetwa, Zimbabwe**