

Review Form 3

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| Journal Name: | International Journal of Environment and Climate Change |
| Manuscript Number: | Ms_IJECC_123947 |
| Title of the Manuscript: | Impact of soil moisture status, mulching and spacing on yield and water productivity in irrigated Elephant foot yam (<i>Amorphophallus paeoniifolius</i>) |
| Type of the Article | |

PART 1: Review Comments

| Compulsory REVISION 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) |
|---|---|---|
| Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part. | The study has practical implications for improving <i>Amorphophallus</i> cultivation through sustainable mulching and irrigation management techniques. The higher yield and BC ratio in leaf-mulched plots indicate better resource utilization, particularly water, as demonstrated by increased water productivity. | |
| Is the title of the article suitable? (If not please suggest an alternative title) | YES | |
| 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. | ABSTRACT IS WELL STRUCTURED | |
| Are subsections and structure of the manuscript appropriate? | YES | |
| Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part. | This study provides clear evidence that mulching, particularly using leaves, significantly enhances both crop canopy characteristics and corm yield in <i>Amorphophallus</i> . The findings highlight that leaf mulching not only improves the height and diameter of the crop canopy but also boosts yield, water productivity, and the benefit-cost (BC) ratio, suggesting it as a superior method compared to plastic mulch or no mulch. | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | YES | |
| Minor REVISION comments | | |
| Is the language/English quality of the article suitable for scholarly communications? | YES | |
| Optional/General comments | | |

Review Form 3

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> | |

Reviewer Details:

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