

Review Form 3

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| Journal Name: | Asian Research Journal of Agriculture |
| Manuscript Number: | Ms_ARJA_125036 |
| Title of the Manuscript: | Effect of drip irrigation intervals and fertigation frequency on yield and yield components of cucumber under greenhouse conditions |
| Type of the Article | Original Research Article |

Review Form 3

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. | Manuscript is good and it will help to know the dose of fertigation and irrigation schedule for crop like cucumber in specified location. This work will help the cucumber growers about proper maintenance of crop inside the greenhouse. Equipment used inside the greenhouse will be programmed accordingly. | |
| Is the title of the article suitable? (If not please suggest an alternative title) | Impact of frequency of fertigation and intervals of drip irrigation on cucumber production and yield components in greenhouse conditions | |
| 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. | Appropriate | |
| 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. | <p>Work is appreciated. In second paragraph, which variety of sample is used and why only for cucumber no other crops? Is it possible to mention reference of formula used for all calculations? All formula should be written in equation form along with units.</p> <p>In Material and Methods section—Work is appreciated. In second paragraph, which variety of sample is used and why only for cucumber no other crops? Is it possible to mention reference of formula used for all calculations. All formula should be written in equation form along with units.</p> <p>In Result and Discussion—good explanation and covered the all data and discussed through table and figs. In Figs units of x-y axis sample data needs to be written.</p> | |
| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>:</p> | <ul style="list-style-type: none"> Introduction part needs little more informative and latest similar work to be incorporated including objectives. Following article may be referred : <ul style="list-style-type: none"> # Feng Qu, Qi Zhang, Zhaoxi Jiang, Caihong Zhang, Zhi Zhang, Xiaohui Hu, 2022. Optimizing irrigation and fertilization frequency for greenhouse cucumber grown at different air temperatures using a comprehensive evaluation model, <i>Agricultural Water Management</i>, 273,2022,107876. https://doi.org/10.1016/j.agwat.2022.107876 # Singh J, Sandal SK, Yousuf A, Sandhu PS. Effect of Drip Irrigation and Fertigation on Soil Water Dynamics and Productivity of Greenhouse Tomatoes. <i>Water</i>. 2023; 15(11):2086. https://doi.org/10.3390/w15112086. # Nut, N., Phou, K., Mishra, M., Nuth S., Sor, S. 2019. Effects of Drip Irrigation Frequency on Growth and Yield of Melon (<i>Cucumis melo</i> L.) under Net-house's Conditions. 10-146-152. | |

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| Minor REVISION comments | | |
| Is the language/English quality of the article suitable for scholarly communications? | Yes | |
| Optional/General comments | In Conclusion section—this is an important part of the work and it is very short written. So, all work with final results and recommended dose of fertigation/irrigation interval required to be mentioned. It is possible to rewrite the conclusion. Author is advised to relook the article and try to incorporate the all suggestion and referred latest research article for better drafting of his work. The paper may be considered for further processing subject to incorporation of suggested comments. | |

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> |
|---|--|---|
| 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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|----------------------------------|---|
| Name: | Ashok Kumar |
| Department, University & Country | Bihar Agricultural University, India |