

Review Form 3

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| Journal Name: | Journal of Experimental Agriculture International |
| Manuscript Number: | Ms_JEAI_125279 |
| Title of the Manuscript: | Impact of Different Technology Interventions on Agronomical Traits of Chickpea (<i>Cicer arietinum</i> L.) |
| Type of the 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. | This study offers an important addition by demonstrating the increased yield and economic benefits of better chickpea growing techniques. However, the research might benefit from a more in-depth examination of farmer feedback, heterogeneity among plots, and a more thorough consideration of the challenges to complete technology adoption. Expanding the scope to cover more chickpea types and tackling the socioeconomic barriers to wider adoption will greatly increase its effect on the scientific and farming communities. | |
| Is the title of the article suitable? (If not please suggest an alternative title) | The title is suitable. | |
| 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. | The abstract of the paper is generally informative. | |
| Are subsections and structure of the manuscript appropriate? | The subsections and structure of the article are appropriate. | |
| 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. | Overall, the article is written in a scientifically correct methodology. However, while ANOVA is referenced, there is no extensive explanation of the statistical data (such as confidence intervals and p-values) to validate the importance of the findings. The article focuses mostly on the chickpea variety JG-16. While this gives useful information on the performance of this specific variety, it does not account for alternative types that may be equally or more suited to the local circumstances or preferences. | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. = | It is a very poor reference in terms of articles published in the last 5 years. It would be good to include references to recent studies on advances in chickpea genetics, climate change impact on chickpea, extension methodologies and sustainability, and soil health in chickpea cropping. | |
| <u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications? | The sentences starting with the following sentence need some improvement. - The study conducted over three consecutive Rabi seasons (2020-21, 2021-22, and 2022-23) in..... - The residual nitrogen and organic matter from chickpea cultivation..... - Farmers' feedback on the technologies used in the demonstrations was collected to inform..... - The cost of cultivation under traditional farmer practices showed a steady rise over the three years..... | |
| <u>Optional/General</u> comments | | |

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PART 2:

| | 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) |
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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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| Name: | Cuneyd Yavas |
| Department, University & Country | Basaksehir Cam Ve Sakura Sehir Hastanesi, Turkiye |