

Review Form 3

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| Journal Name: | International Journal of Plant & Soil Science |
| Manuscript Number: | Ms_IJPSS_128022 |
| Title of the Manuscript: | Residual effect of organics and humic acid on physical, chemical and biological property of soil after harvest of succeeding chickpea |
| Type of the Article | |

PART 1: Comments

| | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|---|---|---|
| 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. | <ul style="list-style-type: none"> - The study presents the importance of diversity in sources of organic fertilization and methods of addition to the soil properties. - The study is concerned with using natural organic sources to reduce the use of mineral fertilization - Organic fertilization is environmentally friendly, improves soil properties, reduces carbon emissions, and mitigates the effects resulting from excessive mineral fertilization. - Also, interest in the chickpea crop is a leguminous crop; Chickpea is a good source of minerals (phosphorus, calcium, magnesium, iron and zinc) and β-carotene. Its protein quality is better than that of most other legume crops. As with other legumes, chickpea have ability to fix 80 to 120 kg of nitrogen per hectare through symbiotic nitrogen fixation and can be rotated with nitrogen-intensive crops such as cereals to improve soil conditions. - | |
| Is the title of the article suitable? (If not please suggest an alternative title) | <p>Studying the effect of diversity in methods and rates of adding some organic sources on the soil properties grown with chickpeas</p> <p style="text-align: center;">Or</p> <p>Integration between rates and adding methods of some organic fertilization sources on soil properties grown with chickpeas</p> | |
| 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. | Keywords must not be similar to the words in the title of the manuscript. | |
| Is the manuscript scientifically, correct? Please write here. | Y | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | The results indicated that the optimal rate of FYM @ 10 t ha ⁻¹ recorded significantly increased OC (0.298, 0.302 and 0.300 per cent), available N (177.28, 180.10 and 178.69 kg ha ⁻¹), P ₂ O ₅ (41.20, 42.04 and 41.62 kg ha ⁻¹) was observed during both the year and pooled result and total bacterial count (156.26 cfu g soil ⁻¹) in pooled result soil with the application of FYM @ 10 t ha ⁻¹ . While application of humic acid did not get significant result and but numerically increased above mention parameter under the soil application of humic acid 30 kg ha ⁻¹ | |

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| Is the language/English quality of the article suitable for scholarly communications? | References are very old and it is preferable to update. | |
| Optional/General comments | Y | |
| | <p>There are some corrections that researchers should pay attention to:</p> <ul style="list-style-type: none">▪ Must be mentioned sources of organic fertilizers▪ Must be mentioned the results of the analysis of organic sources▪ Must be reported the methods of soil analysis after harvest▪ Must be showing yield in table or fig.▪ The aim of the study was not mentioned in the introduction▪ Must be written the conclusion in the manuscript▪ It is better to mention the optimal limits of elements in the soil▪ The statistical design system used in the research experiment must be mentioned | |

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? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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| Department, University & Country | Desert Research Centre, Egypt |