

### Review Form 3

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|--------------------------|---|
| Journal Name:            | <a href="#">International Journal of Plant &amp; Soil Science</a>                                 |
| Manuscript Number:       | Ms_IJPSS_127968   |
| Title of the Manuscript: | Residual effect of organics and humic acid on nutrients content and uptake by 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> |
|---|---|---|
| <b>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.</b> | <ul style="list-style-type: none"> <li>- The study presents the importance of diversity in sources of organic fertilization and methods of addition to the mineral content of chickpeas</li> <li>- The study is concerned with using natural organic sources to reduce the use of mineral fertilization</li> <li>- Organic fertilization is environmentally friendly, improves soil properties, reduces carbon emissions, and mitigates the effects resulting from excessive mineral fertilization.</li> <li>- Also, interest in the chickpea crop is a leguminous crop; Chickpea is a good source of minerals (phosphorus, calcium, magnesium, iron and zinc) and <math>\beta</math>-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.</li> <li>-</li> </ul> |   |
| <b>Is the title of the article suitable? (If not please suggest an alternative title)</b>   | <p>Studying the effect of diversity in methods and rates of adding some organic sources on the mineral content of chickpeas</p> <p style="text-align: center;">Or</p> <p>Integration between rates and adding methods of some organic fertilization sources on mineral content of chickpeas</p>   |   |
| <b>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.</b>      | Keywords must not be similar to the words in the title of the manuscript.   |   |
| <b>Is the manuscript scientifically, correct? Please write here.</b>  | Y   |   |
| <b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>                              | The results indicated that the optimal rate of FYM @ 10 t ha <sup>-1</sup> recorded significantly increased nutrients content viz., N, P, K, Fe in seed and stover and nutrients uptake viz., N, P, K, Fe, Mn, Zn, Cu by seed and stover were significantly increased due to the residual effect of FYM @ 10 t ha <sup>-1</sup> . Pooled results also revealed that residual effect of soil application of humic acid @ 30 kg ha <sup>-1</sup> significantly increased nutrient uptake viz., N, P, K, Fe, Mn, Zn and Cu by seed and stover. This treat reduced the cost of production as a result of reducing the addition of mineral fertilizers.  |   |

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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.  |  |
| <b>Optional/General</b> comments  | Y  |  |
|   | <p>There are some corrections that researchers should pay attention to:</p> <ul style="list-style-type: none"><li>▪ Must be mentioned sources of organic fertilizers</li><li>▪ Must be mentioned the results of the analysis of organic sources</li><li>▪ Must be reported the results of soil analysis after harvest</li><li>▪ Must be showing yield in table or fig.</li><li>▪ The aim of the study was not mentioned in the introduction</li><li>▪ Must be written the conclusion in the manuscript</li></ul> |  |

### **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:                            | Ashraf Ahmed Mohamed Habib    |
| Department, University & Country | Desert Research Centre, Egypt |