

## Review Form 1.7

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|--------------------------|--|
| Journal Name:            | <b>International Journal of Plant &amp; Soil Science</b>   |
| Manuscript Number:       | <b>Ms_IJPSS_113737</b>   |
| Title of the Manuscript: | <b>Effect of different kharif paddy straw management options and nitrogen levels on soil organic carbon and soil total carbon and nitrogen</b> |
| Type of the Article      | <b>Original Research Article</b>   |

### PART 1: Review Comments

|   | 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) |
|---|--|---|
| <p><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b><br/>(Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b><br/>(If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p> | <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>It should include more details regarding soil sampling, the content of different fractions of soil organic matter, the variations in soil organic matter content before and after incorporation of straw</p> <p>more literature sources should be included</p>   |   |
| <p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>  | <p>2. It is suitable</p>   |   |
| <p><b>Optional/General</b> comments</p>   | <p><b>The article is dedicated to a very important topics in the regions with growing of cereal crops.</b></p> <p>Taking in consideration that the influence of straw on total soil organic matter and total nitrogen takes a longer period of time to expect some changes during one or two years it is very problematic.</p> <p>We can expect some changes in different fractions of soil organic matter, but not in the total organic matter. In the text there are some contradictions regarding the influence of straw and burnt straw on soil organic matter.</p> <p>The article should describe how soil samples have been taken and what is the coefficient of variation of soil organic matter content on plots with and without crop residues. -How soil analyses have been done-with or without extracting of crop residues?</p> <p>The coefficient of humification for crop residues(straw) is relatively low and it is difficult in field conditions to find the difference in the content of soil organic matter taking in consideration the variations in soil organic matter content. That's why marked atoms(of carbon) are used in order to determine the influence of straw on the changes of soil organic matter in the soil. It is important to know also the degree of decomposition in time of crop residues. Again, longer period of time is required in order to determine the influence of crop residues on soil organic matter.</p> |   |

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**PART 2:**

|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> <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> |
|---|--|---|
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i><br>No |   |

**Reviewer Details:**

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|----------------------------------|--|
| Name:                            | <b>Boris Boincean</b>  |
| Department, University & Country | <b>National Center of Research and Seed Production, Research Institute of Field Crops, Moldova</b> |