

Review Form 1.7

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_118869
Title of the Manuscript:	ASSESSMENT THE IMPACT OF PREPARATORY TILLAGE SYSTEMS ON SOIL PHYSICAL PROPERTIES AND SOYBEAN PRODUCTIVITY ON VERTISOL OF CENTRAL INDIA
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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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>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> 1. Yes. This is because physical properties of soil can enhance the productivity and yield of crops notably soya beans in the study area. More importantly, with low nutrients of any soil can be improved upon to support proper germination of crops in the area of study. In essence, the clay rich areas can be utilized for better growing of soya beans and other nutrients demanding crops for adequate food production in the area. 2. The title is currently lacking coherency in its present format. I will suggest the title to be: Impact Assessment of Preparatory Tillage System on Physical Properties of Vertisol Soil for Soyabeans Productivity, Vidarbha region, Central India. 3. The abstract of the manuscript is good but lacks proper arrangement in its present format with lots of basic data not available in it. Please, let the author take note. 4. Location and Climatic condition of the area as a subheading will improve the quality of the work and must have to be separated from Methodology and includes <p>The experiment was conducted during <i>Kharif</i> season of 2016-17 at the Agronomy research farm of Dr. Panjabrao Deshmukh Krishi Vidyapeeth Akola, situated at the latitude of 22°42' North and longitude of 77°02' East and 281.12 meter above the mean sea level. The climate of the region is semiarid and the determination of mechanical and chemical composition of the soil revealed that the soil of experimental field was silty clay in texture with low in available nitrogen (191.25 kg ha⁻¹), moderate in phosphorus (16.12 kg ha⁻¹) and high amount of potassium (323.72 kg ha⁻¹), having pH value of 7.3 (about to normal). The rainy days during the crop season were 45 having 832.9 mm rainfall. Though rainfall was adequate but its distribution during the crop growing period was quite uneven. As per the recorded data, there was a rainless period during the 24, 29, and 33rd meteorological weeks (MW). During the crop growing season the minimum and maximum temperature ranged between 28.1°C during 28th MW to 41.4°C during 22th MW. The minimum temperature varied from 16.5°C during 42th MW to 29.9°C during 22th MW.</p> <p>4b. Let the author insert all tabular data in the manuscript (Table 1-4) including fig. 1. They are too important to be placed as appendix please. This is the basic data he/she worked with!</p> <p>4c. Citation of almost all the tabular data ie Tables 1- 4 and Fig. 1 are currently very poor and this can be traced to the fact that they are placed as appendix attachment instead of within the body of the write-up.</p> <p>4d. Please let the author check the language and grammatical condition of the article to make it more readable for all. Very important please</p> <p>4e. The methodology adopted for the research is quite impressive and very detailed to be well understood and replicated in other climes of the world.</p>	

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	<p>4f. The findings of the study is quite impressive as setting a control experiment allowed proper comparative analysis of the treated and untreated clay rich soil of the area. It is quite commendable also.</p> <p>5. The manuscript is scientifically correct.</p> <p>6. The reference materials are recent and relevant to the drafted article.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>The language is currently averagely good for communication and there is need for the author to improve on this language to make it better. In the abstract, please let the author use past tense for results ie findings of the study eg significantly improved instead of significantly improve. Please check one by one for similar errors.</p>	
<p>Optional/General comments</p>		

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>
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

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