

Review Form 1.7

Journal Name:	Asian Journal of Research in Crop Science
Manuscript Number:	Ms_AJRCS_97610
Title of the Manuscript:	Effects of reduced tillage on dynamic soil properties and Winter triticale performance in organic farm at Wageningen, The Netherlands
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:

(<https://www.journalajrcs.com/index.php/AJRCS/editorial-policy>)

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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> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>The Ms describe the findings of extensive study conducted in three different types of tillage systems. The report of good response of minimum tillage on light textures soil was the major findings and this was reported in different studies in tropical and sub-tropical climatic condition un commercial faming. The organic mode of production and type of crop/crop rotation bring newness in study. The MS need following correction before its final publication.</p> <ol style="list-style-type: none"> 1. Yes 2. Abstract: Avoid writing name of all parameter measured (only "soil physical and chemical properties OR soil physico-chemical properties" will be sufficient); Avoid writing unnecessary details of experimental setup; Write results and concluding statement in quantifiable term (% increase/decrease in selected studied parameters across best treatment and control). 3. Yes 4. Yes. 5. Strictly follow the rreference writing style of journalboth for citing in the text and enlisting in the reference list. Reference number can be reduced to 30-35 by excluding the less inportant or non-important references. <p>Introduction: Introduction is leagthy and need to reduce the text written. Different type of tillage and their impact on the soil properties should be written in short as per the need of experiment and not in detail.</p> <p>Material and methods: Clear writing about treatment numbers, experimental design followed, varieties/species of crops grown, croppings system in whihc tiritcal were grown and duration of exepriment in concise for need to mention;</p> <p>Sam is application to timing and method of soil sample (Avoid excessive details on sampling);</p> <p>Information on crop cultivation practioeces such as nutrient and weed manageemnt, seed and sowing specification and harvesting/ threshong detials need to mention clearly (avoid unnecessary text indicating the samples generated as well as methodologies for their processing);</p> <p>Results: Data may be provided for som parameters rather than figures for most of the parameters; Performance of crop is better in CON than NIT. The crop performace is general (reported widely in tropical and subtropical condition) is better after 4-3 year of following oncservation tillage).</p> <p>Is any economic data has been calculated? This make a major sence; please see for it.</p> <p>Discussion: Descirbe the role of soil organic matter on crop performance, soil TN and SOM by giving corelation values in them. The TN and Nitrate nitrogen is higher in reduced tillage tha CON. Tillage. In will createmore scope for their losses. A the same time, crop performace was higher in CON; hence changes for losses of nitrogen and potential to cause ghg emission is expected to be more in reduced tillage. Explin the role of reduced tillge on GHG emission- Positive of negative based on the findings of study.</p> <p>Conclusion: Conclusion is wordy; conciseness and quantifiable information is expected after doing this voluminous exercise. No need for writing for each parameter.</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<p>Economics of different tillage in organic production system need to be given.</p>	

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)
<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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