



SDI Review Form 1.6

PART 1:

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2013_AJEA_3959
Title of the Manuscript:	Comparative effect of pig manure and NPK fertilizer on agronomic performance of tomato (<i>Lycopersicon esculentum</i> Mill)

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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)
<u>Compulsory</u> REVISION comments	The study, especially the abstract, lacks of clear and focused conclusions and practical recommendations. The writing quality of the manuscript should be significantly improved. The authors should seek external help for correcting grammar, flow, and clarity. The manure analysis was not shown. I assume local manure sources are very variable in C/N ratio and NPK content. Manure with different C/N ratios will have different N availability. Please address this point.	OK. Done..
<u>Minor</u> REVISION comments	The title can be more descriptive. For example, "the agronomic performance of tomato" can be described as "tomato yield components". Some differences in plant nutrient values in Table 4, 5, 6, and 7 were statistically significant but these differences were not practical. For example, Table 5, one treatment had leaf N (%) as 1.99* while the control had 1.69%. Descriptions plant analyses were not complete and with some misspelled names. Page 4, L-93-	OK. Done. OK. Done.



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	96 and Page 5. L-97-100. The manure analysis was not shown. I assume local manure sources are variable in C/N ratio and NPK content. Tomato yield components are usually variety dependent. Thus, a variety studied should be listed. Some subheadings can be more specific. Page. 11 “effect of treatments on tomato performance” better “effect of treatments on tomato growth and yield”.	
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<u>Optional/General</u> comments	The study is well thought out with appropriate statistical analyses. And the results should be utilized by local farmers to optimize their tomato production. To show the full potential of manure+NPK fertilization systems, an economic analysis can also help to identify optimal combinations of these two nutrient sources. The effect treatments on tomato quality (e.g., vitamin A and C or nitrate-N concentration) may also help to identify the most optimal combination of manure and NPK. By improving writing quality, especially terminology and grammar usage, this manuscript should add new practical knowledge to optimize fertilization in tomato production.	
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