



SDI Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_51266
Title of the Manuscript:	INFLUENCE OF ORGANIC AND INORGANIC SOIL AMENDMENTS ON SOIL MOISTURE CONTENT AND MICRONUTRIENTS
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:

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



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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)
Compulsory REVISION comments	The article is good for publication in the journal if the author can respond to the issues raised.	
Minor REVISION comments		<p>Abstract</p> <p>significant MS and CM+OP green house BT+OP, BT+ SHG</p> <p>Keywords : Organic, Inorganic, Amendments, Moisture content, Micronutrient.</p> <p>deleted In order to enhance the micronutrient status of these soils, there is need for assessment of their initial micronutrient status in order to integrate the appropriate soil fertility management that involves judicious use of combined organic and inorganic fertilizers. This is a feasible approach which has been employed in overcoming soil fertility constraints [11, 12].</p> <p>Cabbage is <i>Brassicae Tissue</i></p> <p>BT+ SHG was superior soil amendment in increment of micronutrients</p> <p>NB: The crops yields in this project will be covered by another publication soonest. It is being prepared</p> <p>References</p> <p>Shukla AK, Dwivedi BS, Singh VK, and Gill MS. Macro role of micro nutrients. <i>Indian Journal of Fertilizers</i>. 2009; 5(5):11-30.</p> <p>Tsonko T, Lidon F. Zinc in plants—an overview. <i>Emirate Journal Food Agriculture</i>. 2012; 24.</p> <p>Disante KB, Fuentes D, Cortina J. Response to drought of Zn-stressed <i>Quercus suber</i> L. Seedlings. <i>Environment Experimental Botany</i>. 2010; 70:96–103</p> <p>Ravet K, Danford FL, Dihle A, Pittarello M, Pilon M ()Spatiotemporal analysis of</p>



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		<p>copper homeostasis in <i>Populustrichocarpa</i> reveals an integrated molecular remodeling for a preferential allocation of copper to plastocyanin in the chloroplasts of developing leaves. <i>Plant Physiology</i>. 2011; 157(3):1300–1312.</p> <p>Rout JR, Ram SS, Das R, Chakraborty A, Sudarshan M, Sahoo SL. Copper-stress induced alterations in protein profile and antioxidant enzymes activities in the in vitro grown <i>Withania somnifera</i> L. <i>Physiology Molecular Biology of Plants</i>. 2013; 19(3):353–361.</p> <p>Yamasaki H, Pilon M, Shikanai T. How do plants respond to copper deficiency. <i>Plant Signal Behavior</i> 2008; 3:231–232</p> <p>Montes S, Rivera-Mancia S, Diaz-Ruiz A, Tristan-Lopez L, Rios C(2014) Copper and copper proteins in Parkinson's disease. <i>OxidMed Cell Longev</i> 2014(147251):1–15. doi:10.1155/2014/147251.</p> <p>Jeong J, Connolly EL. Iron uptake mechanisms in plants functions of the FRO family of ferric reductases. <i>Plant Science</i>. 2009; 176:709–714.</p> <p>Adamski JM, Danieloski R, Deuner S, Braga EJ, de Castro LA, Peters JA. Responses to excess iron in sweet potato: impacts on growth, enzyme activities, mineral concentrations, and anatomy. <i>Acta Physiology of Plant</i>. 2012; 34(5):1827–1836.</p> <p>Millaleo R, Reyes-Díaz M, Ivanov AG, Mora ML, Alberdi M. Manganese as essential and toxic element for plants: transport, accumulation and resistance mechanisms. <i>Journal of Soil Science Plant Nutrition</i>. 2010a; 10(4):470–481.</p> <p>Millaleo R, Reyes-Díaz M, Ivanov AG, Mora ML, Alberdi M. Manganese as essential and toxic element for plants: transport, accumulation and resistance mechanisms. <i>Journal of soil science and plant nutrition</i> 2010b; 10(4):470–481.</p> <p>Saranraj P, Stella D. Vermicomposting and its importance in improvement of soil nutrients and agricultural crops. <i>Novus Natural Science Research</i>, 2012; 1(1): 14-23.</p> <p>Abedi T, Alemzadeh A, Kazemini SA. Effect of organic and inorganic fertilizers on grain yield and protein banding pattern of wheat. <i>Australian Journal of Crop Science</i>. 2010; 4: 384-389.</p> <p>Schoebitz M, Vidal G. Microbial consortium and pig slurry to improve chemical properties of degraded soil and nutrient plant uptake. <i>Journal of Soil Science and Plant Nutrition</i>. 2016; 16 (1): 226-236.</p> <p>Fageri, NK and. Baligar VC. Lowland rice response to nitrogen fertilization. <i>Communications in Soil Science and Plant Analysis</i>. 2001; 32: 1405–1429.</p> <p>Fierro A, Angers DA and Beauchamp CJ. Restoration of ecosystem function in an abandoned sandpit: plant and soil responses to paper de-inking sludge. <i>Journal of Applied Ecology</i>. 1999; 36: 244_253.</p> <p>Camberato JJ, Gagnon B, Angers DA, Chantigny MH and Pan WL. Pulp and paper mill by-products as soil amendments and plant nutrient sources. <i>Canadian Journal of Soil Science</i>. 2006; 86:641653.</p> <p>Zibilske LM, Clapham WM and Rourke RV. Multiple applications of paper mill sludge in an agricultural system: Soil effects. <i>Journal of Environmental Quality</i>.</p>
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		<p><i>Nigerian Journal of Soil Research</i>. 2003; 4, 35-40.</p> <p>Sienkiewicz S, Wojnowska , Krzebietke S, Wierzbowska J, Żarczyński P. Content of available forms of some micronutrients in soil after long-term differentiated fertilization. <i>Journal of Elementology</i>. 2009; 14: 787–794.</p>
Optional/General comments		

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