



SDI Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	2013_IJPSS_6883
Title of the Manuscript:	An integrated soil fertility management decision support tool for coffee: model structure and calibration for Northern Tanzania
Type of the Article	RESEARCH PAPER

General guideline for Peer Review process:

This journal's peer review policy states (establishes) that **NO Any** 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		
Minor REVISION comments	<p>The research is of importance for the production of coffee. The paper has some errors that must be corrected. Authors should follow the format of the magazine. Must include information on some points, other ideas will be move and in other cases will be deleted.</p> <p>Other points are:</p> <p>Title: Abbreviate or reduce the number of words</p> <p>In abstract: specify the type of soil used, to describe the kind of plantation used in the model. Also, specify the conditions of soil, indicating adjustment equations used.</p> <p>In the key words: to reduce the number of words.</p> <p>In the introduction:</p> <p>Use full names and acronyms the first time, respecting capitalization rules. Paragraphs 2 and 3 edit and move part</p>	<p>Appreciated.</p> <p>Title recast to “Developing a quantitative system for coffee yield prediction and ISFM recommendation, calibrated for Northern Tanzania”.</p> <p>Not sure if it is proper to put so much information in an abstract. Model assumptions and pre-requisites are outlined in the body of the text (which include the soil types etc.)</p> <p>Removed “Northern Tanzania”.</p> <p>Corrected. Para 2 and 3 merged with some information on para 3 deleted.</p>



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	<p>of methodology. (respetar las reglas de citas de la revista).</p> <p>Use updated production coffee data. To incorporate more information about the application of the models and not focus on information and data in the country.</p> <p>Methodology: Check acronyms, check the references of line 86, add respective in the line 90. Check the title is very long and check capital letter. Check lines 107, 108 and 114.</p> <p>Indicate the relationship of pH and add value of electrical conductivity. Check of value K in Table 2. Acronyms describing place at the end of Table 2 and a source of reference data.</p> <p>Reviewing online uppercase 132 (nutrient). Revise writing, line 137 (third step). Lines 137-150 describe initials (YNA, YND, other). For the P does not indicate the method of determination in tables and paragraphs. Lines 169 check date used program, online superscript 175. Also specify the formula used for fertilizer.</p> <p>Check number Figure 5.1, there will be No.1, line 187. Check capital letter in line 190 SOIL. In Figure 1, add nutrients to input. Check writing in lines 213 and 214. Revise writing in lines 226 and 227. Put an end to Table 3 legend of acronyms.</p> <p>Check values in line 268 (26g), P-Bray-1. Clarify at this point that the model includes coffee</p>	<p>As noted above, the information on production does not seem to properly justify the development of a model, so it has been deleted.</p> <p>Checked and adjusted (see yellow highlight)</p> <p>pH is by far more important in coffee areas than EC. This is because it is very rare (at least in Tanzania) to find coffee growing in salt-affected soil.</p> <p>Adjusted (see highlights). P is determined by Bray 1 method (see also Appendix 1)</p> <p>Adjusted. SOIL, PLANT and INPUT are modules, which are well described in the para and throughout the text.</p>
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	<p>nutrition.</p> <p>In Figure 2, three curves should not be placed one, as are three sources of fertilizer. Check the ha-1 and sources.</p> <p>Change the information lines 282-288 from to other section.</p> <p>In Figure 3 should number it separately and increase the size and to the same format to all figures.</p> <p>In Figure 4, establish best colors and eliminate high titles, put letter each figure and increase size of legend.</p> <p>Line 318, PARJIB describe acronym.</p> <p>Line 333 indicates the type of intervention. 3.8 point information should be moved to another section and pass the first part of methodology. Check line scripts 361. Check line tiny 371 (PLANT).</p> <p>Conclusion</p> <p>Clear explanation of acronyms in lines 379-381. The second part of paragraph 1, should be placed on methods. As in the first sentence of the second paragraph. Remove Bray 1 in line 401. Conclusion must be edited better.</p> <p>References</p>	<p>Adjusted.</p> <p>Figure is Ok following the explanation in text above it. Superscripts inserted as appropriate.</p> <p>The information explains Appendix 2 and is, on that basis, valid.</p> <p>Figure 3 split into Figures 3a and 3b.</p> <p>Adjustments done as far as possible, interpolation re-done and explanations adjusted as highlighted.</p> <p>PARJIB is a name like SAFERNAC or QUEFTS. Related literature will have its full description.</p> <p>Types of intervention are manure, fertilizer and a combination of the two. More elaborate description in the methodology.</p> <p>Whole section on conclusion recast as highlighted.</p>
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	<p>Must conform to the same format, for example between years without parentheses, page numbers, use of italics. Increase the number of articles for scientific journals. Check the paper,</p> <p>Núñez, P., Pimentel, A., Almonte, I., Sotomayor, D., Martínez, N., Pérez, A., C. Céspedes. 2011. Soil fertility evaluation of coffee (<i>coffea</i> spp.) production systems and management recommendations for the Barahona province, Dominican Republic. Journal Soil Science and Plant Nutrition, 11 (1): 127 - 140.</p> <p>ACRONYMS</p> <p>Check the SOC abbreviate.</p> <p>In the appendices, please check capitalization letter, use of bold and errors, check the degree of fertilizers.</p>	<p>References adopted with years not in parenthesis throughout.</p> <p>Parenthesis for SOC removed.</p> <p>Appendices are Ok</p>
<u>Optional/General</u> comments		