



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">American Journal of Experimental Agriculture</a>                                                                                                                                                             |
| Manuscript Number:       | Ms_AJEA_22446                                                                                                                                                                                                            |
| Title of the Manuscript: | Yield performance, market tuber quality and evaluation of sugar and starch activity of two Ghanaian varieties of sweet potato ( <i>Ipomeoa batatas</i> (l) lam) as influenced by chicken manure and inorganic fertilizer |
| 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**

|                                     | <b>Reviewer's comment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Author's comment</b> (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) |
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| <b>Compulsory</b> REVISION comments | <p><b>Revisiting title, Sattistical notations to results from abstract to result sections.</b></p> <p><b>Review of:</b> Yield response, marketable tuber quality and evaluation of sugar and starch activity of two Ghanaian varieties of sweet potato (<i>Ipomea batatas</i> L) as influenced by chicken manure and inorganic fertilizer <b>for American Journal of Experimental Agriculture. Manuscript MS_AJAE_22446</b></p> <p><b>General comments:</b></p> <p>With minor modifications, this manuscript is suitable for publication. The manuscript evaluates the response of two sweet potatoes varieties to chicken manure and inorganic fertilizer. Parameters that were measured includes: yield, marketable tubers, sugar and starch content of the sweet potatoes varieties. Interesting observations were observed from this research and they were also coupled with a good discussion which should how ever put more emphasis on temperature as it contribute positively or negatively to plant growth rather than rainfall alone. The title need to be rephrased because tuber quality issues include</p> | <p>: the title has been modified as suggested</p>                                                                                                                                    |



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|  | <p>sugar and starch content. Also there is no need to indicate the Ghanaian varieties in the title but in materials and methods Otherwise this is a good research. I have outlined my comments in sections below:</p> <p><b>Abstract:</b></p> <p>Lines 17, 18, and 20,... over the <b>control</b>, the control should be named. What is <b>plotshad</b>? There is need to appreciate statistics in the result section by showing levels of significance using “P” values.</p> <p>Figures to show yields are needed too. The <b>post harvest</b> part of the result sounds like a different experiment from the title? Where is it coming in?</p> <p><b>Introduction:</b> This section is well written</p> <p><b>Materials and methods:</b> This section is clear save for the few items indicated below:</p> <p>The dates for proponents of different formulae used needs to be stated e.g. Walkey and black (year) method.</p> <p>Line 66... each of the storage method.. These methods were never mentioned before.</p> <p>Line 66 remove by on..treatments <b>by</b> using new.</p> <p>Line 81-83 too long a sentence. i suggest splitting it for easy of understanding.</p> | <p>Significance levels have been indicated</p> <p>storage methods have been added to</p> |
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|  | <p>Line 88 percentage nutrients need to be specifies on all the fertilizers used Line 100 yield components.</p> <p>Line101 separate “was considered”. I suggest treatment a table is needed in this section treatments have been added</p> <p><b>Results and discussion:</b> There is need to include the P values in result description section. Temperature is critical for minor and major season, so should be discussed too. Line 108, i suggest author highlight % increase/ differences in tuber weight. Line 212, Tuber weight and any other results may better be understood when expressed or converted to hectare basis for comparison sake, not per plant (Table 8) or plot. Line 242... “slightly higher average” this is not scientific description of results. P values are needed to indicate statistical differences. Line 308.. tubers in as separate words.</p> <p><b>References:</b> There seem to be lack of consistence in the referencing system being used. Here the authors need to follow one reference system preferably recommended by the journal. For instance:</p> <p>Citation uses the author date system but there is no</p> | <p>the tittle</p> <p>This correction has been done</p> <p>Storage methods have been added to the materials and methods</p> <p>By has been deleted</p> <p>Sentence has been checked.</p> <p>A table has been added for the treatment combinations and level</p> |
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|                                  | consistence in citations like after the dates some citations have comers, others have full stops while others have nothing. | <p>Please, all the issues you raised about the results and discussion have been addressed.</p> <p>This correction has been done</p> <p>the inconsistencies in references have been done</p> |
| <b>Minor</b> REVISION comments   | As indicated in comments outlined                                                                                           |                                                                                                                                                                                             |
| <b>Optional/General</b> comments | See also comments in word document per section                                                                              |                                                                                                                                                                                             |