



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">Asian Journal of Soil Science and Plant Nutrition</a>                                                                   |
| Manuscript Number:       | Ms_AJSSPN_37538                                                                                                                     |
| Title of the Manuscript: | Effect of Algae and Urea on Soil Nutrient Status and Yield of Amarathus (Amaranthus Cruentus) in an Ultisol of Southeastern Nigeria |
| 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: Editor's Comment

Please find enclosed file of reviewed MS. In general the MS may be accepted after minor correction. it Strongly advise to make a consultation to statistic expert to get the advise of statistical analyses and the calculation for LSD for mean value comparison of the treatments (if there is interaction or no interaction).

|                              | Editor'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) |
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| Compulsory REVISION comments | <p>The MS still need some correction and refining. Particularlyon the abstract, results and discussion</p> <p><b>The title should change to Effect of Dried Algae And N Fertilizers to Soil Chemical Properties_and the Yield of Amaranthus (Amaranthus Cruentus) on Ultisols Southeastern Nigeria</b></p> <p><b>ABSTRACT</b><br/>Need to be refined systematically, concisely, and sharply: See suggestion below<br/>(The detail information of location presented in Materials and Method</p> <p>Organic manure plays an important role in improving the fertility of Ultisols. A pot experiment to investigate the effect of dried algae and N fertilizer on the chemical properties and the yield of Amaranthus on Ultisol was conducted from March to June, 2017 in the Green House of Michael Okpara University of Agriculture, Umudike, Abia State of Nigeria, located about 122m above sea level. The experiment was arranged as Complete Randomized Design (CRD) with factorial pattern, consisted of two factors and provided with three replications. The first factor was the application of dried algae (0, 1, 2, 3 and 4 t/ha) and N fertilizers (0, 40, 80 and 120 kg/ha). The observed responds were chemical soils properties (pH, organic carbon, ȳ available phosphorus, total nitrogen, exchangeable bases, exchangeable acidity and effective cation exchange capacity) and the growth and the crop yield (plant height, numbers of leaves, stem girth and fresh yield). The experimental results revealed that the addition of dried algae as organic ameliorant and N-fertilizer improved most of the soil fertility properties as lone and combined treatments except in available P, total N were interaction effect were not significant. Application of 1-4 ton of algae without N fertilizers has increased the fresh yield about .....to ....%, while the application of N fertilizers without dried algae application increased only about the fresh crop yield. The highest fresh yield about 89.87 g to 97.13 g plant<sup>-1</sup> were obtained by application 4 ton ha<sup>-1</sup> died algae, while the highest fresh yield about 30.13 g plan<sup>t-1</sup> without application of dried algae was obtaihed by the application of 120 kg Urea (please convert to N-urea). Consequently, the application of dried algae has a great prospect to improve the properties of Ultisols, to enhance the fertilizers efficiency and to increase the crop yield of Amaranthus</p> <p><b>Keywords:</b> Algae, N-fertilizer and soil chemical properties.</p> |                                                                                                                                                                               |



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|                                  | <p><b>INTRODUCTION</b><br/>Just refining the sentence</p> <p><b>MATERIALS AND METHOD</b><br/><br/>Just refine the sentence<br/>Statistically analyses factorialized of randomized need to consult to the statistical department (expert), particularly on the comparison between the treatments (after Anova). How should be LSD value calculated and presented the mean value of treatments if there is interaction effect of 2 factor and how should be presented if no interaction</p> <p><b>RESULTS AND DISCUSSION</b><br/><br/>Need to be rewritten, refined and rearranged<br/><br/>See suggestion in revised manuscript and make adjustments</p> <p><b>CONCLUSION</b><br/><br/>Need to refined and re-written (see suggestion) in corrected MS</p> |  |
| <b>Minor</b> REVISION comments   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| <b>Optional/General</b> comments |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |

**Editor's Details:**

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