

Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_85757
Title of the Manuscript:	Growth and yield characteristics of two sweet potato (Ipomoea batatas L.) varieties as influenced by organic and inorganic fertilizer application
Type of the Article	Original research papers

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:

<https://www.journalijpss.com/index.php/IJPSS/editorial-policy>)

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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	<p>INTRODUCTION</p> <p>Improve the introduction. In the first paragraph indicate the importance of potatoes in Ghana. Consider the area planted, annual production, yield per hectare and main varieties.</p> <p>In the second paragraph, indicate the nutrient requirements of potatoes, i.e. how much is recommended per hectare or per tonne produced. Indicate that the main form of fertilization is through synthetic fertilizers, mention the advantages and disadvantages of this method of fertilization.</p> <p>In the third paragraph, justify the use of organic fertilisers as an alternative to partially or totally replace synthetic fertilisers. Throughout the text, the number of bibliographical references should be updated and increased in order to adequately justify the study.</p> <p>MATERIALS AND METHODS</p> <p>It is recommended to present the climate parameters presented during the experimental period. Indicate what doses of N, P and K were applied with each treatment and on what basis these doses were defined. Indicate the planting density used. Explain in detail how organic fertilizers and synthetic fertilizers were applied. Which fertilizer was used to apply the P and K?</p> <p>RESULTS AND DISCUSSION</p> <p>The information on "Physical and chemical properties of soil, poultry manure and cow dung" corresponds to the methodology section, as they were not described as variables.</p> <p>To facilitate the reading of the manuscript, I recommend splitting the "Results" and "Discussion" sections. Describe the results simply. Only mention which variables the treatments were statistically similar or different. For example: Similar "Plant Establishment" and "Vine Length" were detected between varieties and fertilization treatments (Table 2). I suggest using letters in the tables to indicate statistical differences between varieties and fertilization treatments. The discussion should be improved. It is necessary to explain the results obtained considering the amount of nutrients applied in each treatment, the chemical characteristics of the organic fertilisers, the rate of mineralisation, the effect of the variety can have on the rate of nutrient uptake. The new knowledge generated in the study should be highlighted and the use of this knowledge should be indicated.</p>	
Minor REVISION comments		
Optional/General 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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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