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Journal Name:	Asian Journal of Agricultural Extension, Economics & Sociology
Manuscript Number:	Ms_AJAEES_41882
Title of the Manuscript:	COMPARATIVE ECONOMIC ANALYSIS OF SOIL FERTILITY MANAGEMENT OPTIONS ON CASSAVA BASED NTERCROPPING SYSTEMS IN OREDO LOCAL GOVERNMENT AREA OF EDO STATE, NIGERIA
Type of the Article	

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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>By internal input, one may think that the input is from the farm, not purchased!? You gave cost of the internal input (organic matter)</p> <p>The analysis for high internal input option used 3 bags of organic input, this may be very low for 1ha considering the weight of manure. What is the real quantity of manure for cassava, what I know is 10-20 t/ha.</p>	
Minor REVISION comments	<p>Introduction Background information describing the cassava based intercropping system in the study area will help understand the results and will be useful for comparison with other cassava producing areas, not only in Nigeria but also in other cassava producing areas of Africa.</p> <p>Lines 76-77 <i>In 2004, the estimated cassava output from Nigeria was approximately 34 million tons which have rated Nigeria as the largest producer of cassava</i>, of Africa, West Africa, or World?, and give the source. What is the position of the study area for Nigeria cassava production?</p> <p>Lines 82-85 'Therefore cassava producing farmers need to apply adequate amount of fertilizer etc.' What is adequate amount of fertilizers? Give references on what is recommended for cassava production in terms of organic and inorganic fertilizers, which will be compared to what the farmers are actually using from the results of the survey.</p> <p>Methods The results of economic analysis are related to years, as the price of commodities and costs of the inputs will change with time, so it is important to give the year concerned by this study. Sample size, in the abstract there is an indication of the number of farms concerned by the survey, 80, this may be more described in this section compared to what is in the introduction. In the analysis formula used it is given sample size of external input $n_i=40$, why there is no reference in the formula for the internal input. Please explain if internal input means organic fertilizer, and if why a cost is given for this internal input?</p> <p>Results The study is based on secondary data and survey. It is very important to give the results of the two sources of information.</p> <p>The results of the survey will help understand of what cassava based intercropping system is, what are the diverse crops intercropped with cassava are, and what are the management of the systems used by the farmers. What are the sources of organic fertilizer? It is important also to know what the average farm size of smallholder farmers is, and what are the biggest sizes of the farm in the study area? These as you are going to give recommendation on the use of tractor. Are the farmers the owners of the land, or what are the proportion of hired land? The results must also give information on the financial capacity (wealth) categories of the farmers for investment in external input.</p> <p>The secondary data must indicate the quantity of organic and inorganic fertilizer rates recommended for the cassava based intercropping system.</p> <p>Land preparation for high internal option is 55,000 N/unit while it is 5,000N and tractorization is 25,000N for high external input option, please explain this.</p> <p>Conclusion Lines 226-227 the sentence needs to be more explicit. Lines 227-228 What is the relation of the paper title (comparative economic analysis of soil fertility management options) and mechanization? This recommendation may come at the end of the conclusion if necessary. Statements in line 237-238 and lines 241-242 are not conform to the conclusion in the abstract lines</p>	



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	20-24. The conclusion must be on the comparison of the two sources of fertilizer use on cassava based cropping system. Line 20-24 in the abstract may help to come a better conclusion and what may be necessary in order to cassava producers in the study area conform their management to this.	
Optional/General comments	The study is about comparative economic analysis of soil fertility management, the results of the survey did not provide enough information regarding which of the two management is mostly used by farmers, even it is said that farmers preferred to use inorganic fertilizer. The results of the economic analysis are given in Nigerian currency Naira, make it more comprehensible other nationalities, it will be good to give the exchange rate Naira to dollar, Naira to England pound, or Euro.	

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