



**SDI Review Form 1.6**

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| Journal Name:            | <a href="#">Asian Journal of Agricultural Extension, Economics &amp; Sociology</a>                                   |
| Manuscript Number:       | <b>Ms_AJAEES_18987</b>                                                                                               |
| Title of the Manuscript: | <b>Profitability of Sugarcane Production and its Contribution to Farm Income of Farmers in Kaduna State, Nigeria</b> |
| Type of the Article      | <b>Minireview Article</b>                                                                                            |

**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.

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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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Compulsory</u></b><br>REVISION<br>comments | <p>1/ The average sugarcane output (line 161) determined as total quantity of sugar cane output divided by total number of sugarcane farmers (330) is the average sugarcane obtained by farmer and not by one ha. If you want have the average output by one ha, you must divide the total quantity of sugar cane by the total area (in ha) cultivated sugarcane in the 330 farms.</p> <p>2/ It's important to describe farming technique of these small farmers respondents particularly used in sugarcane production: irrigation, young plants, diseases, weed control... Also important to present how the farmers sell their production and the problems encountered if there. Information about respondents (age, sex, educational qualification...) is interesting to give to better understanding the context of this study.</p> <p>3/ The author recommend boosting sugarcane production in small and medium scale farm by an access to the micro-finance and a low interest rate on loan. The average yield obtained here by the sugar farmers is apparently low (20.6 t/ha), it's necessary to improve this value to improve the profitability of this crop by a better control of the production. Farmers need probably help for supply of inputs, control of diseases, extension, commercialization of the crop and its transport to the processing plant... rather than financial support.</p> <p>4/ The profitability of fluted pumpkin (line 56) is better than this of sugarcane calculated in this study (116,891.39 vs 78,036.05). It's better in this case for the farmer to grow fluted pumpkin.</p> | <p>1/ Corrections were made Sir/Ma and the both (average sugarcane obtained by a farmer and per hectare) information were provided. Thank you</p> <p>2/ All asked done Sir/Ma</p> <p>3/ The recommendations were reviewed and the most appropriate ones were put forward as suggested.</p> <p>4/Yes of course but when all other things being equal. Sir/Ma remember that in this study low demand for the sugarcane crop caused by the insurgency situation in Nigeria at the time of harvest was the major problem encountered, thus adversely affected the rate of return. Therefore, all other things <b>are not</b> equal to the sugarcane farmers in the study area.</p> <p>5/ the table is a total summary of the costs incurred and profit realized while the breakdown of each variable has been discussed before the presentation of the table.</p> <ul style="list-style-type: none"> <li>➤ Cutting was purchased at N1000/bag (ie a bag that weighs 100kg) thus, 1kg of cutting (sett) = N10</li> <li>➤ Planting cost was estimated under Labour cost (Man-day). labour was <del>N</del>700 per man-day (i.e. <del>N</del>500 payment for the 5 hours farm work carried out in the morning and</li> </ul> |



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|                                  | <p>5/ Table 3.1. don't indicate the first planting costs of the sugarcane (purchase and planting of cuttings). You must include also cost of water and labour if there is a use of irrigation.</p> <p>6/ In the paragraph "<b>3.1 Profitability analysis in sugar cane production</b>", author use estimated and average values, it's better if values were given with maximum and minimum and the value of majority of the farmers like in the next paragraph ("<b>3.2 Contribution of sugarcane...</b>").</p> | <p>₦200 for 2 hours of the evening time) thus 1 hour of labour = N100</p> <ul style="list-style-type: none"> <li>➤ Labour cost for irrigation was also under Labour cost as stated earlier on.</li> <li>➤ Cost of water: the rivers, stream etc in the study area are owned by the government and are used free of charge in farming activities. There is no any legal tax imposed on any river used for irrigation in the country. <b>Source:</b> Federal Inland Revenue Service (FIRS)</li> </ul> |
| <b>Minor</b> REVISION comments   | <p>1/ What is the difference between the model 2a (line 131) and 2b (line 142)? It's the same model.</p>                                                                                                                                                                                                                                                                                                                                                                                                        | <p>It was an error. Thus 2b has been erased. Thank you very much Sir/Ma for the constructive comments and contribution</p>                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Optional/General</b> comments |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |