S4 Appendix: Discussion of control variables in Table 3

Our results also showed that farm size had a significant influence on the amount of crop production of rural households in Liberia, as elsewhere in rural Africa [1]. Labor cost was positively and significantly associated with crop production, which may suggest that more investment in terms of hired labor leads to more agricultural production. The other interesting finding was that the number of adult female members in a household was negatively associated with the agricultural production of the households. This may be due to the gender-based task allocation in rural Africa. In most societies in Africa, women are responsible for household tasks such as firewood collection, water fetching and child care [2, 3], which may reduce their time for agricultural production and other productive employment [3]. There could also be limited substitutability between men and women labor on some tasks [4].

Reference

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¹ The labor cost includes only the amount paid for hired labor, and it does not include family labor.