SDI Review Form 1.6

Journal Name:	**American Journal of Experimental Agriculture**
Manuscript Number:	**2014_AJEA_13889**
Title of the Manuscript:	**BUILDING SUSTAINABLE RURAL LIVELIHOODS: WOMEN AND ADOPTION OF IMPROVED FARMING TECHNOLOGIES IN ZAMBIA**
Type of the Article	**Original Research Article**

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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)*
Compulsory REVISION comments	AMERICAN JOURNAL OF EXPERIMENTAL AGRICULTURE MS: 2014_AJEA_13889 **Title of the Research Article**: Building Sustainable Rural Livelihoods: Women and Adoption of Improved Farming Technologies in Zambia **Review Comments** The paper is interesting and it tries to address the contemporary issue of great importance. The paper has some potential but there are several gaps in the paper. What is the research problem? Is it about sustainable rural livelihood or adoption and non-adoption of improved farming technologies for maize? The focus and scope of the research is also not clear. Is it related to farming activity of women	

	headed households or women farmers? It is not clear whether Zambian society is matriarchal. This is to be clarified in the beginning (focus should be on women farmers cultivating maize under draft animal (ox) and agroforestry farming practices, micro level study, etc.). What is the objective of the paper? It is mentioned only in the abstract but not in the paper. The objective should be "to identify the factors that affect women farmers' awareness and knowledge about improved farming technologies, and their adoption for maize cultivation under ox plough and agroforestry farming practices". The literature review does not provide the theoretical underpinnings of technology adoption and potential benefits. Methodology: 1. There are several levels of spatial units – district, agricultural block, camp, zone, and village. What is the definition of camp and zone? What is the basis of the selection of the sampling area (camps)? Simplify with the fact that the study is conducted at micro level (village level) in one of the agricultural blocks. 2. What is the sampling procedure of sampling? How the sample size was determined and	

	categorized into adopters and non-adopters? 3. Explain why the multistage logit model is preferred? 4. Equation 4 is used for knowledge about farming technology. The Y factor for this equation is access to extension and credit. Is knowledge about farming technology equal to access to extension and credit? This is very confusing. 5. Equation 5 is used for adoption of technology. The T factor of this model is adoption or non-adoption. What is the expression of this dependent variable (1 or 0)? 6. There are a number of overlapping variables between these two equations. Why can't it be just one for adoption? 7. Justify with implications of the selected variables in the context of adoption. Streamline the variables with clear description with form of expression (%, ratio, yes (1) or No (0), etc.). 8. Table 5 presents a comparative picture of two farming practices, such as ox plough (traditional) and agroforestry production (modern), with identification of factors of adoption. Provide details about these two farming practices and reflect in the objective as well. The title of the paper and key words need to be	

	revised for clear reflection of the content parts. I declare that I have no competing interest as a reviewer.	
Minor REVISION comments		
Optional/General comments		

Reviewer Details:

Name:	**Anonymous**
Department, University & Country	**Thailand**