



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2013_AJEA_6011
Title of the Manuscript:	Factors influencing Soyabean production and willingness to pay for inoculum use in northern Ghana

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
Line 115-128: Remove X_6-X_{10}. This is not a production function. Production function contains land, labour, capital and entrepreneur and education and experience can be used as a proxy for entrepreneur. Remove and re-run. Also add inoculum in physical terms. Nothing on economic implication of variables in Table 2 and 3. Eg. Age – tell us whether they are youth, old or middle age. Farm size- tell us whether they are small scale, medium scale or large scale farmers Household size- compare with national average. Years of schooling- whether primary, secondary or tertiary education Amount willing to pay- compare with the market price of inoculum. ANOVA should be removed from Table 4 and 5. I think ANOVA is required when you are looking for a significant difference between Y and X. then what is your Y and X in table 4 and 5	In line with the suggestion, variables X_6 – X_{10} have been removed. The model has been re-run but without the dummy variable for inoculum. It was difficult to include the physical quantity of inoculum in the model since all project farmers were given about the same quantity per acre which will not vary in the model. We have decided to limit the production function to only the classical determinants (land, labour, Capital and entrepreneur) as suggested by the final reviewer. The suggested interpretations have been provided in the final revised version. Note that farm size has been explained under Table 4. The ANOVA results are necessary since they help the reader to know whether farm size, output and percentage of output sold are significantly different across the different farmer locations (i.e. districts selected). It also helps one to know whether those parameters are different for male and female farmers. Yes, ANOVA is used to examine whether there is significant difference between Y and X. In the tables, our Y's are the arithmetic means of farm size, output, yield and percentage of output sold, and X's are farmer location/district (for Table 4) and Sex/gender (for Table 5). We have therefore decided to maintain the ANOVA results in Tables 4 and 5.