



SDI Review Form 1.6

Journal Name:	<a href="#">European Journal of Nutrition &amp; Food Safety</a>
Manuscript Number:	Ms_EJNFS_63251
Title of the Manuscript:	Protectant Effect of Vegetable Oils Against Cowpea Weevil ( <i>Callosobruchus maculatus</i> ) on Stored Cowpea [ <i>Vigna Unguiculata</i> (L.) Walp.]
Type of the Article	Original Research Article

**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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/journal/10/editorial-policy> )



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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>Compulsory</b> REVISION comments	<p><b>ABSTRACT:</b> Methodology not highlighting what was done. Results: Line 7 "no significant difference" -There is no scientific justification for this sentence as there was no statistical basis for treatment means comparison.</p> <ul style="list-style-type: none"> <li>- 8 ml/ kg conc. Of cotton seed,groundnut and Sesame oil should be recommended as this was as effective as 12 ml/ kg.However, this is subject to statistical mean comparison.</li> </ul> <p><b>INTRODUCTION: LINE 8; Recast the sentence</b>"In Northern Nigeria----- consequences"LINE 15: Other findings ---- impaired nitrogen fixation(SOURCE?)</p> <p><b>MATERIALS &amp;METHODS:</b> How did you ensure that the cowpea seeds were not already infested by <i>C. maculatus</i> in the market? Again, can the authors attest to the purity of the various vegetable oils they bought from the market? 2.2 The procedure should be elaborated a bit!</p> <p>2.4 Do you mean 10 pairs of adult females and males weevil? -How did you maintain 28+-1 oc and R.H 70 +- 5% ? - The formula for calculating GP is absurd! Authors should provide source for this. GP is the proportion of germinated seeds to the total number of seeds expressed as percentage.</p> <p>2.5 DATA ANALYSIS: Percentage mortality and percentage germination data should have been transformed through arcSine method before ANOVA as they could have violated one of the assumptions of ANOVA. -The authors should state the method of treatment mean comparison tat was used( F-LSD, DNMR or Turkey or Honest significant test at specified probability level).</p> <p>3.2 LINE 15:----- "significantly reduced" There is no scientific justification for this statement as all the Figures with bars did not show statistical comparison of treatment means!</p> <p>3.3 LINE 4 "no significant effect"—Same argument as 3.2 Line 15</p> <p><b>DISCUSSION</b> Not scientifically written.What are the bioactive compounds in cotton, groundnut and Sesame seed oil that made them more active than other vegetable oils? What did other authors find out in this regard?The authors must find out this from their work or previous works to have a sound argument and evidence based recommendation.</p>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		



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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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