



**SDI Review Form 1.6**

Journal Name:	<a href="#">Current Journal of Applied Science and Technology</a>
Manuscript Number:	<b>Ms_CJAST_54269</b>
Title of the Manuscript:	<b>Effect of Zn and B on the growth and nutrient uptake in groundnut</b>
Type of the Article	<b>Original Research 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. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

**PART 1: Review Comments**

	<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>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments	<p><b>Abstract</b> "To investigate the effect of combination between foliar zinc and boron on growth, nutrient uptake and its accumulation in pods and ultimately the yield of groundnut."....I suggest to reformulate the objective as : To investigate the effect of combination between foliar zinc and boron on groundnut growth, yield, nutrient uptake and its accumulation in pods. Too much space in text. Delete additional space in ... of Zn ( 0, 0.5 and 0.75 % Zn),.....; ... Zn increased.....;( 18.8 %),... and other parts in the text highlighted in yellow color</p> <p><b>Introduction</b> "The main constraint for low yield of groundnut is connected with the deficiency of micronutrients." Quote this statement. There are many constraints for low yield of groundnut but state that low yield of groundnut is due to the deficiency of micronutrients mainly should be referenced. I propose authors "One of the major constraints for low yield of groundnut relates to deficiency of micronutrients." Now-a days zinc deficiency is virtually an all India problem and in West Bengal 9-68 % of soils are Zn deficient [3]. Spelling error...Nowadays</p> <p><b>MATERIAL AND METHODS</b> In Table 1, there is a typing error... "capacity" instead of capacity</p> <p><b>2.3. Treatments</b> Any explanation why the authors decided to use only those ranges of fertilizer dose applied in this study? Please add the reason of these choices to be more precise Better to present the list of treatments in table It is missing in material and methods, information (data) on soil moisture, irrigation water quantity applied and temperature during experiment.</p> <p><b>2.4.6. Leaf area</b> The green leaf portions were separated and the area of the leaves was measured in graphical method. Mean value per plant was multiplied with leaf number to get total leaf area of the plant. Multiply the mean value with leaf number indicates that the measurement was made on a sample of leaves. Clearly state this in the text. And at which stage this parameter was recorded?</p> <p><b>2.4.7. Chlorophyll content</b> Chlorophyll a = .0127*663-.00269*645 Chlorophyll b = .0229*645-.00468*663 The meaning of .0127, 00269, .0229, .00468 in the formula? Are they constants? Mention it under formula</p> <p><b>3. RESULTS AND DISCUSSION</b> <b>3.1. Plant height</b> The effect of Zn and B on plant height of groundnut is depicted in Fig. 1 the plant height of groundnut increased with the age of the crop and attained maximum at harvest. It misses a punctuation in the sentence, "." after Fig.1 ... though, the sole application of B did not have any effect on plant height during the entire growth phase[17]. Uppercase letter at the beginning of the sentence</p>	



**SDI Review Form 1.6**

	<p>Fig.1, Please make more space between histogram and letter for comparison. Put a legend under the figure (define Z0, Z1, ....). The comparison is made considering each growing stage. It should be better to mention it in the legend. This will allow reader to avoid confusion in the comparison since the same letters are used both for flowering and harvest stages</p> <p><b>3.2. Leaf area per plant</b> ... This might be due to positive interaction between Zn, B and S which was corroborated... Where does "Sulfur, S" come from? Your study focused on Zn and B.</p> <p><b>3.3. Chlorophyll content</b> ... Duyingqiong et al. (2002) similarly found that B significantly improved chlorophyll content and photosynthetic activity in leaves[20]... No need to quote again Duyingqiong et al. (2002) at the end of the sentence. ... Saini et al. (1975) that application of Zn increased chlorophyll content in leaves[21]... Same remark. Is it the journal instruction to cite authors like this? Citation number should replace the year. Ex : Duyingqiong et al. [20] similarly found that B significantly improved chlorophyll content and photosynthetic activity in leaves</p> <p>3.6. Yield should be 3.7 Yield, please correct it.</p> <p><b>4. CONCLUSION</b> This study investigated that the omitting of Zn and B retarded plant growth, reduced nutrient uptake and ultimately the yield. Investigated is not appropriate, please use "showed".</p>	
<p><b>Optional/General</b> comments</p>	<p>Good contribution, suits the journal's aim and scope well.</p>	

**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)
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

**Reviewer Details:**

Name:	<b>Ganyo Komla Kyky</b>
Department, University & Country	<b>Togo</b>