



SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_33540
Title of the Manuscript:	Growth, nodulation and nutrients content of cowpea (<i>Vigna unguiculata</i> (L.) Walp) following Zinc fertilizer rates in the semi-deciduous forest zone of Ghana
Type of the 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/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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		
Minor REVISION comments	<p>Title: Page 1, line 2: (L.) change to L.</p> <p>Abstract: Page 1, line 6: N-fixed N₂-fixed Page 1, line 9: KNUST/Kumasi.....KNUST, Kumasi, Page 1, line 10: (Ghana)..... Ghana Page 1, line 11: were treated to three levels..... were treated to foliar spray with three different rates of Zinc sulfate (0, 5 and 10 kg ha⁻¹) at 3 and 5 weeks after sowing. Page 1, line 12: The Zn fertilizer was applied as foliar application in both experiments.....Delete. Page 1, line 13: All recommended cultural practices were timely done.....Delete. Page 1, line 15 to line 22: Rewrite it again</p> <p>Introduction: Page 3, line 47 and 48: Rewrite it again Page 3, line 49: The nodule parameter was also under investigation....Delete.</p> <p>Materials and Methods: You should to arrange materials and methods as follows: - Site - Experimental design - Seeds used - Treatments - Studied parameters (vegetative growth, yield and mineral contents). - Statistical analysis.</p>	



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	<p>Page 3, line 53: The site was located at 06° 45' N and 01° 31' W in the rainforest belt of Ghana.....Delete.</p> <p>Page 3, line 55: 6.4 mg/kg..... 6.4 mg kg⁻¹</p> <p>Page 3, line 56: 1.290 mg/kg..... 1.290 mg kg⁻¹</p> <p>Page 3, line 57: Write the source of Zn fertilizer, Company and the ratio.</p> <p>Page 3, line 59: arranged in RCBD.....arranged in Randomized Completely Block Design (RCBD).</p> <p>Page 3, line 60: All recommended cultural practices were done in schedule..... Clear.</p> <p>Page 3, line 61: Crops Research (CSIR)....Rewrite it again.</p> <p>Page 3, line 64: Write the plot area.</p> <p>Page 3, line 66: triple superphosphate (TSP)... Triple Super Phosphate (TSP).</p> <p>Page 3, line 68: 20 kg N/ha 20 kg N ha⁻¹</p> <p>Page 4, line 70: 40 kg P205/ha..... 40 kg P205 ha⁻¹</p> <p>Page 5, line 94: nitrogen content of the maize (reference crop) was subtracted from that of the cowpea.....Clear.</p> <p>Page 5, line 107: weights/ha..... weights ha⁻¹</p> <p>Page 5, line 109: Add Reference for statistical analysis.</p> <p>Results:</p> <p>Page 5, line 112: Fig 1 illustrates the effect of different cowpea varieties on plant height, stem girth.... Fig. 1 illustrates the effect of different cowpea varieties on plant height (cm), stem girth (cm)</p> <p>Page 5, line 113: number of leaves over.... number of leaves / plant over</p> <p>Page 7, line 124: Fig 2 illustrates the effect of Zn fertilizer application..... Fig. 2 illustrates the effect of different rates of Zn fertilizer application</p> <p>Page 7, line 128: At 30 DAS,.... At 30 and 45 DAS,</p>	
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	<p>Page 7, line 129: Treatment effect at 45 DAS was similar...Delete.</p> <p>Page 10, line 148, 149: nodules per plant... Nodules / plant, g per plant... g/plant and modified in Table 2</p> <p>Page 11, line 157: major season and the minor season the results followed the same trend... major and minor seasons.</p> <p>Page 11, line 161: Asontem respectively... Asontem, respectively</p> <p>Page 11, line 161: 100 seed...For 100 seed weights, there were different results at 5%...</p> <p>Page 12, line 168: of cowpea.... of cowpea varieties</p> <p>Page 12 and 13, line 170 and 182: N-fixed.... N₂-fixed</p> <p>Page 13, line 186 and 187: Phosphorus (Table 5). Additionally, Potassium..... phosphorus (Table 5). Additionally, potassium</p> <p>Page 13 and 14, line 190 and 202: NPK content.... Nutrient uptakes (kg ha⁻¹)</p> <p>Page 16, line 214: Grain Zinc Uptake..... Grain K Uptake</p> <p>Discussion: You should discuss the results with refer to recent references</p>	
<p>Optional/General comments</p>		



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PART 2:

Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i> No
Are there competing interest issues in this manuscript?	No

Reviewer Details:

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