SDI Review Form 1.6

Journal Name:	**American Journal of Experimental Agriculture**
Manuscript Number:	**2013_AJEA_6480**
Title of the Manuscript:	**ASSESSMENT OF THE GROWTH RESPONSES OF SESAME (*SESAMUM INDICUM* L.) AND FALSE SESAME (*CERATOTHECA SESAMOIDES* ENDL.) TO COLCHICINE TREATMENTS**
Type of the Article	**Research Paper**

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	L10..add 's' to concentration L12-13..randomized complete block design L20-22..Data collected included percent germination, seedling height,…..and internode length L55..calcium, phosphorus, and iron L61-62..add ',' between *difformis*and can L64..little effort has been made on their improvement… L65..'sources of animal protein' .. do you mean as a source of food for livestock? Reword this sentence L69-71..An effort is needed to explore the benefits of using these plants and to stimulate interest in their utilization beyond the traditional localities as they are potent supplements to the starchy staple foods which are typically consumed. Also, the prohibitive cost of ….. L76..[22] and facilitates… L78-79..The aim of this research is to use colchicine……and false sesame to determine the	

	effectiveness of different concentrations of colchicine that could be beneficial to the genetic improvement of these two plants. L85..was conducted at the Botanical… L86..during the 2006 and 2007…. L86..Seeds were.. L89..at five differentconcentrations (0.1mM, 0.5mM, 1.0mM, 2.0mM, and untreated) L91..see comment for L 12-13 L94..Data collected included percent germination 7 days after sowing (DAS), seedling height,…and internode length. L96..delete 'obtained' L98..Are these results pooled over years? I see no mention of the 2 years of results as stated on L 86 which indicates that the research was done in 2006 and 2007. Pooling data is not mentioned, however, this evidently was done since no mention in the discussion of such.Please explain in the data analysis section what was actually done. L99..Results obtained… L100..significant differences L101-102..Similarly, results showed a significant	

	difference …..Concentrations with the exception of percent germination. L109..showed a greater response by sesame in all the selected traits with the exception of …. L110..and percent germination. L111..delete MEANS row since it really do not tell us what we are looking for, which is the difference response between sesame and false sesame. Also, when was seedling height taken? Footnote that information in Tables 2 and 3. Round off numeric values to nearest tenth in ALL tables. L113..delete sentence beginning with 'However, …' Begin new paragraph with 'Results indicated that 82.9% to 94.3% … L113,125,146..Also delete 'mean' from sentence. L115..'controls' is not in the table. If you are going to compare results to the untreated then you need to use '0.0mM' since that is concentration shown in table. L115-119..Instead of giving a range be more specific and discuss which individual treatments provided the best response. This mention of range is found throughout paper and needs to be changed to a more specific discussion of results. L119..Flowering period decreased 37 to 47% when	

	treated with different concentrations of colchicine compared with the untreated. Similarily, leaf numbers, leaf area, and internode length increased with colchicine. L123..delete MEANS row in Table. See comment L111 L125-129..See comments for L115-119. Be specific and just don't give ranges. L125..The effect of various…. L126..showed a higher rate.. L127..Early maturing mutants which attained a height of 52.2 cm were obtained with the 0.1 mM colchicine treatment. L128-129..internodes were 3.9-4.5 cm apart not leaves. L130,144,153,160..delete MEANS row in table. L132..The results…..on the effect…on all selected traits with the exception of the number of leaves per plant where the effect.. L145-150..do not discuss ranges, be more specific. L155..delete sentence beginning with 'Furthermore..' L156..see comments for L115	

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	L166-168..delete 1st sentence of discussion L169..responds well to different… L169-170..The increased percent germination7 DAS due to… L171-175..sentence is too long. Make 2 sentences. L181..delete 'mean' L259..Sesame profile L275-276..Only capitalize 1st letter of 1st word of title L300..small 'a' in abbreviated L311.small 'p' in photosynthesis	
Minor REVISION comments		
Optional/General comments		

Reviewer Details:

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