

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_13602
Title of the Manuscript:	MEDIA EFFECTS ON EMERGENCE AND GROWTH OF MORINGA (MORINGA OLEIFERA LAM) SEEDLINGS GROWN IN THE NURSERY
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>)

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	The article requires greater detail in the Materials and Methods section. Specifically on how the data was analyzed? Was ANOVA performed? What method? Turkey? Student Knewll? Etc. The authors present LSD's in the tables but that does not tell the author how the analysis was performed. In SAS? Other statistical package? Please inform:	Analysis of variance (ANOVA) WAS USED To analyze the data as shown in 2.5 of the Materials and Methods on page 5.
Minor REVISION comments	For the following, rewrite to make concise: Line 30 – 'Morninga plants are easily established either by cuttings or seed in nursery operations.' Line 31 – change '~~the nursery~~' to 'nurseries.' Line 34 – '~~re~~-establishment' is not a word. Delete 're-' Line 35 – delete 'up' Line 41-42 Change to 'The study reported that genotypes were vigorous seedlings when grown in' Line 48-59 The authors need to expand this information section to the reader. IS Morniga a dicot? C₃ or C₄ plant species? What are the nutrient requirements? Water? Fertilizers? Morphology? Seed production? Hand harvested? Machine? When does it flower? Cross pollinated? Self-pollinated? Why is it under consideration in Nigeria? Where else is grown in Africa? Is it rotated to other crops? Irrigated? Seed dormancy? What type of methods used to propagate the stems? Plant growth regulators used? Ethylene? Auxins? Materials & Methods: Line 64 – what type of sawdust? What tree? This is very important to the reader as some sawdust may contain alkaloids that would maybe break any dormancy issues	Corrections on lines 30, 31, 34 and 35 have been effected. Lines 41-42 have been corrected as 'most of the genotypes produced vigorous seedlings when grown in rice hull' as suggested by one of the reviewers. Lines 48-59 have been expanded to include other characteristic and agronomic features of moringa. Materials and Methods: In line 64, weathered (cured) sawdust was used for the experiment. The soil classification and the sand, selay and silt compositions of the soil of the experimental site are stated in 2.1 of the Materials and Methods The poultry manure was not composted but cured for weeks before use The experimental design is stated in 2.3 of the Materials and Methods on page 4. The media by accession interactions were analyzed and presented on Tables 5 and 8 The media and accessions were not blocked. + has been replaced with plus all over the text.

	Line 64 – what is the classification for the soil (name)? What are the sand, silt, and clay contents? Provide GPS coordinates for the reader. Line 64 – was the poultry manure composted? Makes a huge difference for germinating seed M&M how as the experiment set up? Split plot? RCB? How as the data analysed? Were interactions analysed? Were the media and ascensions blocked? This is very critical to the reader. Everywhere in the manuscript: do not use the ‘+’ sign to connect words use the word ‘plus’. Only use the ‘+’ sign when connecting numbers such as rates of pesticides, etc. Overall the paper needs a rewrite for grammar Tables: Round the numbers to the nearest tenth (0.0) and to whole numbers when large (>10). For small numbers, round to the nearest fraction number (0.0029 to 0.003), (0.523 to 0.52) For tables 2, 3 & 4, how as the data analysed to allow the authors to combine over the accessions (Table 2) and media (Tables 3 & 4). Convert Figures 1, 2, 3 into a single table, do not use graphs for numbered data of this type. This implies a trend and this is not acceptable. You only use graphs for plotting rate, time, etc of data, not specific entities such as your media types. How these data were analyzed (none shown?)	The numbers have been rounded up to the nearest tenth (0.0) and to whole numbers when large (>10). Small numbers have been rounded to the nearest fraction numbers. Tables 2, 3 and 4 were analyzed using ANOVA. Figures 1, 2 and 3 have been converted to a single table and the data were analyzed using ANOVA.
<u>Optional/General</u> comments		