

Review Form 1.7

Journal Name:	Asian Journal of Research in Crop Science
Manuscript Number:	Ms_AJRCS_105615
Title of the Manuscript:	Green manuring with hairy woodrose (<i>Merremia aegyptia</i> L.) mixed with rooster tree (<i>Calotropis procera</i>) in the agronomic production of Kale greens (<i>Brassica oleracea</i> L.) in the semi-arid region of Brazil.
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:

(<https://www.journalajrcs.com/index.php/AJRCS/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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ul style="list-style-type: none"> ○ The study has chronicled that among the species of the Brassicaceae family, the production of kale (<i>Brassica oleracea</i> L.) is of immense importance for the vegetable market, being easy to cultivate agroecological production. ○ Owing to its leafy plant habit, collard greens are claiming high in terms of nitrogen, which requires that the source of fertilizer used has nutrient levels that meet the nutritional requirements of the crop. ○ Yes, the title of the manuscript is suitable and appropriate enough. ○ Yes, the abstract written is comprehensive. ○ Yes, they are appropriate enough inscribing various significant aspects. ○ The presentation of the Abstract, Introduction, Materials and Methods, Results and Discussion, and Conclusion are exceptionally appreciable. ○ The data have been concisely documented in tabular forms. ○ The graphical presentations are expressively portrayed. ○ The photographic presentation of the hairy woodrose (<i>Merremia aegyptia</i> L.) and rooster tree (<i>Calotropis procera</i>) species from the northeastern semi-arid region, present in the production areas of producers in the region of Mossoró are exemplary. ○ As per earlier findings, amongst the propitious species for this activity, the jitirana (<i>Merremia aegyptia</i> L.) is noticeable, and a spontaneous plant from the Brazilian semi-arid region with a plenty of green phytomass (40.000 kg ha⁻¹), being one of the underlying species to emerge during the first precipitations, with nitrogen and potassium contents above 22 and 20 g kg⁻¹ respectively, and an average carbon-nitrogen ratio of 20/1. ○ Additionally, the silk flower (<i>Calotropis procera</i>), a shrub utterly adapted to the climate and soil conditions of the Brazilian semi-arid region, with availability of phytomass during every year, with nitrogen and potassium contents of 20 and 18 g kg⁻¹ and an average carbon-nitrogen ratio of 23/1. Another species has been used for this purpose in providing edaphic conditions for the development of olericultural plants demonstrates the prior reports. ● The references cited are adequate and recent enough. 	

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<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<ul style="list-style-type: none"> • Kale greens (<i>Brassica oleracea</i> L.) evaluated characteristics: the number of leaves; the weight of leaves; the mass green of kale- insert the articles. • Maintain uniformity in spacing in the References portion. • The usage of the English language is appropriate and well suitable for scholarly communications. 	
<p>Optional/General comments</p>	<ul style="list-style-type: none"> • The Statistical analysis was performed according to conventional methods of analysis of variance (KRONKA and BANZATO 1995), using ESTAT statistical software (BARBOSA, MALHEIROS and BANZATTO, 1992). • The response curve fitting procedure was performed using the ESTAT Software (BARBOSA, MALHEIROS and BANZATTO, 1992). For the qualitative factor (incorporated and coverage) the F test of the analysis of variance was performed at P< 0.05. • Overall, the manuscript has been succinctly authored, noticeably accompanied by a sleek presentation documenting the observations in the illustrative Tabular form, and elegant graphs, apart from attractive photography of the species studied. 	

PART 2:

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

Reviewer Details:

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