

Review Form 3

Journal Name:	Asian Soil Research Journal
Manuscript Number:	Ms_ASRJ_120966
Title of the Manuscript:	Groundnut (<i>Arachis hypogaea</i> L.) Nodulation, Nitrogen Fixation, and Net Nitrogen Balance Response to Starter Nitrogen and Phosphorus Fertilizer Rates in the Semi-Arid Tigray Region of Ethiopia
Type of the Article	

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	The article is important for the scientific community and is written on a topical topic.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title of the article corresponds to the content.	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The abstract provides comprehensive information about the content of the article.	
Are subsections and structure of the manuscript appropriate?	The article is well structured, but briefly describe the cultivation technology.	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	The conclusions are well-founded.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	It is preferable to use more recent literature. Sydorenko, V. P., Volkohon, V. V., Dimova, S. B., Volkohon, K. I., Lutsenko, N. L., Shtanko, N. P., & Zemka, I. A. (2021). MESORHIZOBIUM CICERI ND-64 STRAIN — EFFECTIVE MICROSymbiont of MODERN CHICKPEA VARIETIES. <i>Agricultural Microbiology</i> , 32, 18-34. https://doi.org/10.35868/1997-3004.32.18-34 Moskalenko, A. M., Volkohon, V. V. Economic grounding for ecologically safe strategy of mineral fertilizers use. <i>Actual Problems of Economics</i> . 2015. Vol. 171, Is. 9. P. 286–293 Bulyhin, S., Tonkha, O. 2018. Biological evaluation of the rationality of soil usage in agriculture. – <i>Agricultural Science and Practice</i> , 5(1):23–29. DOI: 10.15407/agrisp5.01.023 Rieznik, S., Havva, D., Dehtiarov, V., & Pachev, I. (2023). Dynamics of the Number of Functional Groups of Microorganisms under Different Farming Systems. In <i>Journal of Mountain Agriculture on the Balkans</i> (Vol. 26, Issue 1, pp. 549–567). Rieznik, S., Havva, D., Chekar, O. 2021. Enzymatic activity of typical chernozems under the conditions of the organic farming systems. <i>Scientific Papers. Series A. Agronomy</i> , Vol. LXIV, Issue 2, P. 114-119. Rieznik, S., Havva, D., Butenko, A., Novosad, K. 2021. Biological activity of chernozems typical of different farming practices. <i>Agraarteadus</i> , 32(2) P. 307-313. DOI: 10.15159/jas.21.34. Dmytruk Y., Dent D. (eds) <i>Soils Under Stress</i> . Springer, Cham, 255 DOI: 10.1007/978-3-030-68394-8 etc.	

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Minor REVISION comments	Yes.	
Is the language/English quality of the article suitable for scholarly communications?		
Optional/General comments	Since the removal of nutrients from peanuts and sorghum is different, can we say that they absorb the same amount of nitrogen? I prefer to determine the nitrogen-fixing activity of nodules by the Hardy method or other instrumental methods. (Hardy, R. W. F., Holsten, R. D., Jack-son, E. K., & Burris, R. S. (1968). The acetylene-ethylene assay for N ₂ -fixation: laboratory and field evolution. Plant Physiology, 43, 1185–1207. https://doi.org/10.1104/pp.43.8.1185)	

PART 2:

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

Reviewer Details:

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