

Peer Review

Review of: "Quantifying Water-Food Nexus (Water Footprint) for Food Crop Production: A Case Study of Addis Ababa City"

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Qeios

Quantifying Water-Food Nexus (Water Footprint) for Food Crop Production: A Case Study of Addis Ababa City

Dear Editor,

This study develops a tool to analyze the water-food nexus in urban agricultural crop production. It introduces indicators for water consumption and water footprint productivity, showing that onion has the lowest water demand among the selected crops. The tool can support annual assessment and planning of urban water and agriculture policies.

I recommend that this manuscript not be accepted without major revision.

Sincerely,

I here summarize these comments:

Comments:

1. Please provide keywords after the abstract.
2. The second paragraph of the introduction doesn't have a reference. You can use this reference for it.

<https://doi.org/10.3390/w16213077>

1. It would be better to discuss the impact of weather and climate change on the water-food nexus in the introduction. For this purpose, you can use the following references:

<https://doi.org/10.2166/ws.2020.150>

<https://doi.org/10.3390/hydrology9100176>

1. There is no explanation given about the study area. A section titled "Study Area" should be created at the beginning of the Methods section, and the explanation should be included along with a map of the location of the area.
2. In the results section, compare your results with those of previous studies in this field. You can use this reference:

<https://doi.org/10.1016/j.nexus.2025.100409>

1. In the last paragraph of the introduction, clearly explain your innovation relative to previous studies.
2. Please elaborate in the results section on the future implications and potential applications of the study's findings.
3. Can you predict the consumption of these products in the future and, like the study below, calculate the amount of water consumed or the water shortage in this area?

[10.22067/jfpei.2024.88585.1306](https://doi.org/10.22067/jfpei.2024.88585.1306)

Declarations

Potential competing interests: No potential competing interests to declare.