

Responses to Reviewer 2:

Thank you very much for all the comments.

1. (p.1) If it is possible please, give the reason for this ban.
Response: Officially, the reason is due to phytosanitary reasons. This was elaborated on page 3, paragraph 4, line 136–138.
2. (p.2) “Through CA technology, together with technical optimization of the pre-harvest disease management and postharvest handling, the postharvest life of atemoya was successfully extended from 1–2 to 3–4 weeks.” Any reference?
Response: This is a result from this study that will be further elaborated in Section 5.1. We added “(See Section 5.1)” on line 63.
3. (p.2) “The input-output analysis showed that the atemoya value chain accounted for 2.12% of the production value, 2.75% of the value-added, and 3.62% of the employment in Taitung.” Better to give the reference/s for these facts.
Response: This is a result from this study that will be further elaborated in Section 5.1. The opening sentence has been revised thus “The results of the input-output analysis in this study show that ... ” and “(See Section 5.2)” has been added.
4. (p.2) Please follow author guideline for the citation.
Response: The two footnotes were placed in the main text as suggested by the assistant editor, Ms Liu.
5. (p.3 par. 3) Any reference/s for these facts, given in this paragraph.
Response: References have been added to the text.
6. (p. 3) “Mainland China” mainland.
Response: Edited as suggested. We also revised similar instances in other parts of the manuscript accordingly. Thank you.
7. (p. 6 and other pages) “CO2”
Response: Here and in other instances, CO2 has been changed to CO₂.
8. (Sec 4.1, par.1) Better to move this paragraph into introduction or discussion section.
Response: This has been moved to the discussion section. Thank you.
9. (Sec 4.1 par. 2, p. 6) “The experiments for this study began with small-scale laboratory trials of various storage temperatures, as well as different oxygen and CO₂ concentrations for four weeks to assess the critical points of chilling injury, low oxygen concentration, and high CO₂ limitations in mature-green atemoya fruit.”
 - What are these temperatures?

- What are the different oxygen and CO₂ concentrations used in the study?

Response: Please see response to number 10 below.

10. (Sec 4.1 par. 2, p. 6) “After finding the suitable environmental conditions for atemoya storage, the follow-up investigations were scaled up to commercial simulation tests done with a CA container.” What are the simulation conditions used in the study?

Response: Thank you for the reminders. Unfortunately, based on the confidentiality agreement in the technology transfer contract (NTU contract No. 110-12TC-20), detailed experimental conditions/parameters and results cannot be fully disclosed publicly.

Moreover, the journal’s special issue is about how smart technology can help sustain food value chains and rural development. Hence, this manuscript mainly focused on the economic analysis of the new long-distance export market after using CA containers to extend the postharvest longevity of fresh atemoyas; and how that has benefited the rural economy.

11. (p.7) “NT\$2,206.42” spacing

Response: Changed to NTD 2,206.42, which is the format used in other parts of the paper.