

Interactive comment on “Modeling impacts of farming management practices on greenhouse gas emissions in the oasis region of China” by Y. Wang et al.

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1. The greenhouse gases in title means CO₂, N₂O and CH₄, but why were only the N₂O and CO₂ analyzed? 2. Section 2.1 should give necessary information: how large are the test area and 4 subareas for the 4 treatments, how many measurement points were selected in the each subarea, and how many days were tested? How do you conduct the QAQC? The photos for both test instruments may be perfect. 3. Section 2.2.1 is review of literatures, and should be moved to introduction. 4. In section 3.1, the results show the relationship between the modeled and measured concentrations. But the model accuracy to predict the N₂O and CO₂ should be analyzed, and give

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the errors of model prediction. 5. Line 14-15 on page 3130, a figure is needed to demonstrate the relationship between temperature and CO₂. 6. Line 17-19 on page 3130: How do you let readers to believe the root respiration is the main source of CO₂?

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