

Interactive comment on “Controls of terrestrial ecosystem nitrogen loss on simulated productivity responses to elevated CO₂” by Johannes Meyerholt and Sönke Zaehle

Anonymous Referee #1

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This was a well performed study, and I recommend it for publication after some minor clarifications. It is an important study within the global C and N cycle Community.

One clarification that is needed, is how agriculture is treated since the authors report and draw conclusions about the influence in crop dominated areas, but to my knowledge crops are not modelled in O-CN.

The paper would benefit from a Conclusion section, where the authors summarize the good conclusions that they draw from this study.

It was hard to follow the "pseudo sites" (S_1, S_2, S_3), better to name them: S_0 , S_T and S_P .

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