

Dear Dr. Jia,

We are pleased to know that our revised manuscript (**bg-2014-599**) is acceptable for publication in Biogeosciences pending some corrections. We have made the corrections as suggested by the editor.

**The detailed corrections/revisions were given below**

(1) Line 30. Delete globally

**Yes, we deleted the word.**

(2) Line 34. Delete those

**Yes, we deleted "those"**

(3) Line 39. Please replace "grasses" with "*graminoids*", and revise as appropriate throughout the manuscript. Please see the comment #8 from referee #1

**We replaced the word "grasses" with "graminoids" throughout the manuscript as suggested by the editor.**

(4) Line 430. Replace "ammonium nitrification" with "ammonia oxidation"

**We made the change following the editor's suggestion.**

(5) In addition. I agree with authors that P availability may be increased due to soil acidification. However, I imagine that urea is not the dominant form of nitrogen for wet/dry N deposition. The mechanisms of soil acidification might be different from that of N deposition. Please mention it as appropriate in the manuscript.

**We mentioned this point in the revised manuscript as suggested by the editor (lines 376-378).**

(6) Figure 4. for simplicity, the author may keep "aboveground biomass" of y axis only for Figure (a) and (d).

**We revised the Figure 4 as suggested by the editor.**

(7) Similarly, the authors may remove "species richness" from figure b,c,e,f.

**We revised the Figure 5 as suggested by the editor.**

(8) Figure 6. the quality might be improved.

*Figure 6 was generated by the software, and attempt was made to make it more clear.*

Finally, we greatly appreciate the editor's comments and suggestions on the revision of the manuscript. We believe that the quality of the revised manuscript improves substantially by incorporating the suggestions made by the editor. We hope the manuscript is ready for final production.

Regards,

Wen-Hao Zhang on behalf of co-authors