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Interactive comment on “Effects of nitrification inhibitors (DCD and DMPP) on nitrous oxide emission, crop yield and nitrogen uptake in a wheat-maize cropping system” by C. Liu et al.

C. Liu et al.

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We would like to express our appreciation and thanks to Prof. Xiong for her constructive comments. Reply to Prof. Xiong: (1) To minimize the chamber effects, the chambers were made of polycarbonate with thickness of 1 mm and two frames were installed for each chamber so that each chamber could be swapped between two positions on a bi-weekly basis. In spite of this, the closure of automated chamber for long term still affected plant growth and lightly decreased crop yield. We do agree to add the descriptions about the chamber effects and the methodology of crop yield and biomass measurements in the revised version. (2) Yes, the differences in crop yield and nitrogen

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use efficiency between treatments were not statistically significant. We should insert the statistic results in abstract. (3) Yes, “capital letters” should be replaced by “small letters” in Table 2.

Interactive comment on Biogeosciences Discuss., 10, 711, 2013.

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