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Interactive comment on "Nitrous oxide emission and nitrogen use efficiency in response to nitrophosphate, N-(n-butyl) thiophosphoric triamide and dicyandiamide of a wheat cultivated soil under sub-humid monsoon conditions" *by* W. Ding et al.

Anonymous Referee #2

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This manuscript reports on the changes in N2O fluxes and NUE along with yield by the application of a nitrification inhibitor and different types of N fertilizers. The topic is within the range of the scope and the manuscript is overall well written. The authors employed a field-scale manipulation experiment and the measurements covered whole growing season. The authors employed a proper statistical test and analytical methodology is well established one. One reservation of mine is the global importance of the study to the general readers of the journal. It is obvious that Northern China is

one of the biggest agricultural sources of N2O, but I would like to see more generalization of the results. Are there any other reports on N2O emissions from agricultural fields in other countries with the similar climate zone? Any regional comparision or even simple literature review would benefit the quality of the manuscript. Other minor comments; P13573 L1. Practice along with soil and climatic factors P13574 L11. So -> As such L22. Drastically greater or smaller? than (something is missing) P13582 L12. concentrations Table 5. Pls use subscripts for chemicals (ammonium, nitrate)

Interactive comment on Biogeosciences Discuss., 11, 13571, 2014.