

We would like to thank Anonymous Referee #2 for the feedback on the manuscript.

Below find the responses to all comments and suggestions (our response is in bold italic font).

Method section: Please add a reference to the Dumas method (p9174) and spell out m/z (p 9176). ***A reference for the Dumas method will be added and m/z will be changed to mass/charge (m/z).***

Result section: you need to refer to your tables at appropriate places a bit more. ***This will be carried out.***

General: don't mix NO₃ and nitrate. ***This will be checked and corrected.***

Figures: Fig 3 & 4: can you combine these, so that it is easier to see the differences between N₂ & N₂Oflux? ***I will endeavour combine these figures for ease of comparison of fluxes.***

Figure 5 & 6: move symbol legend to figure legends and add error bars. ***This will be carried out.***

Figure5: reduce the y axis maximum to _25, so that differences between treatments become more visible. ***This will be carried out.***