

Interactive comment on “Aerosol fluxes and particle growth above managed grassland” by E. Nemitz et al.

Anonymous Referee #1

Received and published: 10 February 2009

The paper by Nemitz et al. is interesting and important one and it should be published in BG. However, I have still some minor comments:

- 1) The mass accommodation coefficient measured by Rudolf et al. for HNO_3 is 0.5–1.0 not 0.3–0.8 (see page 352 in BGD version)
- 2) In page 353 it is mentioned that ammonium nitrate is - in practice - the only condensing vapour. However, it is hard to see from the presented data. Therefore, I hope that authors could further clarify this point. Since, the growth over 11 nm detection limit could also be due to hygroscopic growth.
- 3) In page 358, it is said that Aitken mode consists mainly primary organic aerosol. I think that there is no justification for that statement. Hopefully authors could clarify or

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



change this statement.

Interactive comment on Biogeosciences Discuss., 6, 341, 2009.

BGD

6, S90–S91, 2009

Interactive
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

