

BGD

6, S90–S91, 2009

Interactive Comment

## *Interactive comment on* "Aerosol fluxes and particle growth above managed grassland" *by* E. Nemitz et al.

## Anonymous Referee #1

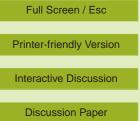
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The paper by Nemitz et al. is interesting and important one and it should be published in BG. However, I have still some minor comments:

1) The mass accomodation coefficeint measured by Rudolf et al. for HNO3 is 0.5-1.0 not 0.3-0.8 (see page 352 in BGD version)

2) In page 353 it is mentioned that ammoniumnitrate is - in practise - 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





change this statement.

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

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