

***Interactive comment on “Birch and conifer pollen
are efficient atmospheric ice nuclei” by
B. G. Pummer et al.***

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We thank Dr. Zetzscher for giving additional background information and discussing the possible problems with the interpretation of expansion chamber measurements. We have to straighten out that not all measurements discussed in this comment are also presented in our paper.

We want to amend that the chamber measurements performed with artificial rain water show no significant trend of a freezing point depression in comparison to those with distilled water. As the salt concentration in the rainwater is in the sub-millimolar range, the effect is negligible as expected.

As the chamber data might be afflicted with some errors and as they were only approx-

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imate reference points for us, while all interpretation, discussion and conclusion of our paper refer to the oil immersion measurements we decided to remove them and the corresponding discussion from the final ACP paper (column 5 in Table 1).

Additionally, we want to thank H.-U. Krüger and Dr. J. Ofner from BayCEER for help with the chamber experiments and with the interpretation and discussion of the results.

Interactive comment on Atmos. Chem. Phys. Discuss., 11, 27219, 2011.