**Atmospheric
Chemistry
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Discussions**

Interactive comment on "Theoretical basis for convective invigoration due to increased aerosol concentration" *by* Z. J. Lebo and J. H. Seinfeld

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We thank Dr. Lee for his comment. We did not refer to *Lee et al.* (2008), as the choices of bulk microphysics and relatively low spatial resolution in that paper do not represent the state of the science. In regard to the importance of wind shear, we cite the most recent work of *Fan et al.* (2009) that incorporates detailed bin microphysics. Furthermore, we did not cite *Lee* (2010), as that paper is yet to be published in ACP and the reviews of that manuscript in ACPD were generally critical. We overlooked *Lee and Feingold* (2010) since it appeared at about the same time as the current manuscript was submitted. A reference to that work will be included in the final draft of the present paper.

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