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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The following studies can help authors to strengthen their arguments.

1. Lee et al. (2008, JGR) did analysis on the effect of wind shear on aerosol-precipitation interactions in a mesoscale cloud ensemble.

2. Lee et al. (2010, ACPD) investigated the effect of humidity on aerosol-precipitation interactions in a mesoscale cloud ensemble by examining the humidity effect on vorticity, entrainment and gustiness.

3. Lee and Feingold (2010, GRL) demonstrated that the buffering mechanisms suggested by Stevens and Feingold (2009, Nature) affect the precipitation response to aerosol in deep convection. They also showed that these mechanisms are associated with the
aerosol effect on cloud-top height.

References:


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