



Interactive comment on “Regional estimation of daily to annual evapotranspiration with MODIS data in the Yellow River Delta wetland” by L. Jia et al.

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Response to the interactive comment by M. Hafeez (Referee #2)

(Hydrol. Earth Syst. Sci. Discuss., 6, C762–C763, 2009)

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Thank you very much for your comments and suggestions. I hope I have picked up your questions and can give acceptable answers.

As regards the large variability of crop coefficients resulted by large spatial variation,

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we have referred to publications documenting variability of crop coefficients for a given vegetation type either on the basis of direct experimental evidence or theoretical equations explaining the dependence of crop coefficients on canopy architecture and radiative balance (surface albedo).

We have clarified that values of standard deviation are a measure of spatial variability within each class. We have also clarified in which sense these values maybe used to obtain an estimate of the range of variability in water requirements.

See also the previous comment about the dependence of crop coefficients, and therefore ET, on canopy architecture and radiative balance (surface albedo).

The paper by Brutsaert (1982) was cited on page 2309 Line 12, page 2310 Line1. There was a typo in the author's name of this paper in the reference list of our manuscript. It should be ' Brutsaert' other than 'Brusaert'. We have corrected it.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 6, 2301, 2009.

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