

Interactive comment on “Effects of cloudiness on carbon dioxide exchange over an irrigated maize cropland in northwestern China” by B. C. Zhang et al.

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You may want to have a look at: <http://meetingorganizer.copernicus.org/EGU2010/EGU2010-1473.pdf> And references within.

Answer: Thank you very much for providing me the valuable paper. I have read it carefully, and I feel it really provide us a new way to research the response of cloudiness on carbon exchange between ecosystem and the atmosphere. Furthermore, cloudiness impact carbon exchange partly by the balance between the total radiation and the improved diffuse light. The changed cloudiness also leads to changes of other climate factors. All those factors would impact the carbon exchange. There was obvious ef-

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fect on carbon exchange under cloudy conditions when we use the eddy covariance technique in our maize crop ecosystem, and it was similar to other reporters in other sites.

Interactive comment on Biogeosciences Discuss., 8, 1669, 2011.

BGD

8, C1118–C1119, 2011

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