Interactive comment on “No-tillage lessens soil CO$_2$ emissions the most under arid and sandy soil conditions: results from a meta-analysis” by K. Abdalla et al.

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Received and published: 21 September 2015

P15501L13 "To our knowledge, Baker et al. (2007) was the first to point out that the studies concluding on carbon sequestration under no-tillage management had only considered the top-soil (to a maximum of 0.3 m), while plants allocate SOC to much greater depths."

Actually it was briefly pointed out in a report of the Royal Society (2001) that lack of adequate depth of sampling could omit the total C stock and thus favor C storage under no-till. It was further illustrated by VandenBygaart and Angers (2006) who highlighted the problem in relation to a meta-analysis conducted in the U.S. and depth profiles from
a long-term experiment.


Interactive comment on Biogeosciences Discuss., 12, 15495, 2015.