

Interactive comment on “Historical and future carbon emissions from croplands” by S. J. Smith

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Referee #1 makes a number of helpful comments, which I will respond to once the review process is complete.

The referee asks for a number of details about the carbon-cycle model used in this work. I agree that it is critical to "know what the underlying assumptions and equations are and how processes are represented in the model."

In this brief response, I wanted to point out that most of the details requested by the referee ("underlying assumptions and equations", "spatial and temporal resolution", "more systematic sensitivity analysis", "input data sources used", "comparison with other model results", etc.) are available in a published paper (Smith & Rothwell 2013) that describes the model used in this work, along with detailed documentation of the data sources, their derivation, and tables of parameters and assumptions. This paper

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can be accessed at the link below.

<http://www.biogeosciences.net/10/6323/2013/bg-10-6323-2013.html>

Interactive comment on Earth Syst. Dynam. Discuss., 5, 1, 2014.