

Interactive comment on “Determination of the carbon budget of a pasture: effect of system boundaries and flux uncertainties” by R. Felber et al.

Anonymous Referee #1

Received and published: 22 December 2015

This manuscript reports the carbon budget and GHG budget of a pasture system with and without considering the grazing cows. The methodology to obtain the data and fluxes are impressive, and the results are of valuable significance in evaluating the GHG budget of livestock industry. There are a few points that need to be addressed in revision.

Both the title and the abstract focus on carbon budget. Readers, however, would be more interested in the total GHG budget actually. Thus I suggest authors describe more about the components and characteristics of the GHG budget of the system in the abstract and text and reflect it in the title as well.

C8643

Fluxes related the grazing were monitored for 99 days only, the way that the results were extended to a year was not clearly described. Was it a linear extrapolation?

Descriptions on the determination of the uncertainties of NECB and other fluxes are over simplified.

Interactive comment on Biogeosciences Discuss., 12, 20071, 2015.

C8644