

## ***Interactive comment on “Global Gridded Crop Model evaluation: benchmarking, skills, deficiencies and implications” by Christoph Müller et al.***

### **Anonymous Referee #1**

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This is a well written paper. It proposes a framework to assess the performance of global gridded crop model. The framework will be a valuable asset for the research community. I think this paper has been submitted in a rush and I have some moderate concerns. 1) The authors claim that they will provide an online tool. It is a great idea but I wonder why not bring the evaluation system online before submitting the paper. 2) The paper cites some papers in preparation or under review which make it hard to refer to these papers. 3) There are too many figures and tables (with 45 figures in the supplemental file). And there are over 10 lines in some figures (Figure 1-4) that make the figures very busy. It is better to extract the key information and limit the number of figures if possible.

C1

### Specific comments

Line 169: What interpolation methods were used to disaggregate the daily data to sub-daily?

Line 177: The resolution of supplied input and harmonization data is 0.5 degree. The spatial scale of CLM-Crop, EPIC-IIASA and PRYSBT2 are 1 degree, 5 second and 1.125 degree. What is the method used to re-grid those data to 0.5 degree?

Line 180: “soy”. However, in other place, the word is “soybean”.

Line 215: delete the colon

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Interactive comment on Geosci. Model Dev. Discuss., doi:10.5194/gmd-2016-207, 2016.

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