

Thanks for your revisions. Unfortunately I'm looking for more detail than that on the climate data. If you used the ISIMIP climate forcings, there are five climate models listed in Warszawski et al. (2014)—which did you use? And how many years exactly did you use for the averaging? Note #2 on the GMD Obligations For Authors page (https://www.geoscientific-model-development.net/policies/obligations_for_authors.html): "A paper should contain sufficient detail and references to public sources of information to permit the author's peers to replicate the work."

We thank the editor for the follow-up question. We understand the necessity in addressing all the details in replicating the model results.

To answer your question, we used Global Soil Wetness Project Phase 3 (GSWP3) observational dataset from the ISIMIP project for average daily temperature, from which we use the standard definition to calculate average degree days. The observational data lasts until 2010. For data beyond 2010, we use the average of year 2006 to 2010.

We have added this detail to S1.