

Authors' Response

Dear Dr. Gerrit H. de Rooij,

Thank you for your suggestions and comments on our manuscript (ID: hess-2013-567). We appreciate you for giving us the opportunity and enough time to revise the paper. Based on the recommendations and comments by you and both referees, we have made the necessary revisions accordingly. Revised parts are in red color in the revised manuscript.

After careful consideration of Dr. Mattila's comments and suggestions, we have done sensitivity analysis to the three parameters (S_{max} , K_y and Y_m). In addition, we have reanalyzed the sensitivity and uncertainty to changes in planting date by keeping the growing degree days (GDD) constant. The corresponding improved results can be seen in both the additional response to Referee #2 and the revised paper.

Sincerely,

La Zhuo