

Interactive comment on “Establishment and characteristics analysis of a crop-drought vulnerability curve: a case study of European winter wheat” by Yanshen Wu et al.

Anonymous Referee #2

Received and published: 5 December 2019

The present manuscript aims at performing a crop-drought risk assessment in the European region for winter wheat using a crop drought vulnerability curve analysis. Vulnerability curves have been simulated through EPIC model simulations using crop and meteorological data as input from 0.5° to 5° of gridded spatial resolution. The methodology proposed by using vulnerability curves with three key points and the clustering classification enabled a drought vulnerability assessment of winter wheat at the European region at a spatial scale. Other than an English proofing that prevented me from understanding some sentences properly, my main concerns rely on the lack of an uncertainty analysis enabling the reliability of the estimates to be assessed quantitatively. Furthermore, no details at all have been reported by the authors on the EPIC model,

C1

neither in the literature experiences available to date.

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2019-175>, 2019.

C2