Data description sheet for CH2014-Impacts, Chapter 9: Agricultural production, suitability for grape cultivation

Variable

Name	Huglin index
Units	unit-free index (formal unit is °C days)
Description	Long-term average Huglin index (absolute values).

Climate data input

Data set
CH2011 data set SEASONAL-REGIONAL

CH2011 scenario cube coverage

time period	GHG scenario	climate uncertainty
2035	A1B	medium
2060	A2	upper
2085	RCP3PD	lower

Reference period
1980-2009 (standard)

Climate variables considered
Temperature

Domain

spatial

coverage	Study sites Changins, Wädenswil, and Magadino, representing CH2011 regions CHW, CHNW, and CHS, respectively
resolution	point location

time

coverage/resolution	CH2011 time periods

Impact Model

Name	-
Description	Empirical Huglin index equation (Huglin, 1978).

Impact uncertainty coverage

Uncertainty provided	no

Data structure

Annotated Excel tables.

How to cite

Calanca, P., et al. (2014), Implications of changes in seasonal mean temperature for agricultural production systems: three case studies; Chapter 9 in CH2014-Impacts, Toward Quantitative Scenarios of Climate Change Impacts in Switzerland, published by OCCR, FOEN, MeteoSwiss, C2SM, Agroscope, and ProClim, Bern, Switzerland, 136 pp.

Huglin, P. (1978). Nouveau mode d'évaluation des possibilites héliothermiques d'un milieu viticole. In: Proceedings of the Symposium International sur l'ecologie de la Vigne. Ministère de l'Agriculture et de l'Industrie Alimentaire, Contança, 89–98.