

Table 1. Comparison between long-term (1980-2010) meteorological drought (SPEI - Standardized Precipitation Evapotranspiration Index) and the measurement years during the growing season (May-September). Significant differences between these years and the long-term averages are shown: \*\*\*  $p < 0.001$ ; \*\*  $p < 0.005$ ; \*  $p < 0.01$  according to a Mann-Whitney U Test. SPEI was calculated using a 30 days window in a daily resolution using gridded data: <https://data.hub.geosphere.at/dataset/winfore-v2-1d-1km> (Haslinger & Bartsch, 2016). Negative values indicate dry years.

Site Code	1980-2010	2019	2020	2021
ZOE	-0.05±0.94	-0.49±1.22***	0.42±0.69***	-0.02±1.39
KLL	-0.01±0.99	-0.23±1.22	0.39±0.86***	-0.02±1.24
KAS	-0.05±0.97	-0.1±1.17	-0.12±0.78	0.23±1.07**
PUE	-0.02±0.94	-0.54±1.26***	0.17±0.59**	-0.12±1.2
NSS	-0.01±1	-0.22±1.13*	0.2±0.87**	-0.2±1.34
ROS	-0.03±0.98	-0.34±1.01***	0.17±0.83	-0.28±1.08