

Table S1. Maximum temperature at the Christmas tree farms located in Jutland at Starupvej, 8340 Malling (N56.0276. E10.20587) in the years 2016–2019 and, on Zealand at Røglevej, 3540 Lynge (N55.8558. E12.2948) in 2020–2022.

Maximum Temperature, °C								
	April	May	June	July	August	September	October	November
2016	12.7	24.2	26.9	26.4	29.9	26.2	15.7	12.0
2017	16.3	24.8	25.2	23.6	24.6	19.5	17.7	12.8
2018	26.1	26.6	28.2	30.9	29.1	24.7	22.0	12.0
2019	20.5	21.6	29.4	30.5	27.9	21.2	15.7	1.08
2020	19.5	21.7	27.7	26.2	30.7	26.4	17.7	17.1
2021	18.3	23.6	30.2	29.4	25.5	24.9	17.7	13.3
2022	17.8	22.7	27.6	31.3	31.3	21.4	19.5	14.4

Table S2. Minimum temperature at the Christmas tree farms located in Jutland at Starupvej, 8340 Malling (N56.0276. E10.20587) in the years 2016–2019 and, on Zealand at Røglevej, 3540 Lynge (N55.8558. E12.2948) in 2020–2022.

Minimum Temperature, °C								
	April	May	June	July	August	September	October	November
2016	-2.0	-1.0	4.3	9.2	5.8	4.8	1.8	-6.2
2017	-2.1	-0.5	6.9	5.0	6.2	3.4	-0.9	-4.1
2018	-3.6	0.5	6.0	7.0	7.2	3.5	-1.6	-4.9
2019	-5.4	-1.4	4.8	4.7	7.7	4.4	-4.2	-2.2
2020	-2.0	-1.8	5.6	5.5	7.4	2.0	-1.1	-1.9
2021	-4.1	1.9	6.6	9.5	6.1	4.4	0.7	-4.1
2022	-5.3	1.0	4.7	7.9	6.7	3.2	-1.8	-6.0

Table S3. Precipitation at the Christmas tree farms located in Jutland at Starupvej, 8340 Malling (N56.0276. E10.20587) in the years 2016–2019 and, on Zealand at Røglevej, 3540 Lynge (N55.8558. E12.2948) in 2020–2022.

Precipitation, mm								
	April	May	June	July	August	September	October	November
2016	104	55	70	107	46	18	114	77
2017	55	24	108	72	78	93	82	49
2018	45	18	21	11	115	62	44	29
2019	16	79	42	66	90	117	108	84
2020	16	40	84	58	44	55	73	24
2021	18	91	19	101	121	62	83	45
2022	33	59	38	22	62	92	42	23

Table S4. Sunshine at the Christmas tree farms located in Jutland at Starupvej, 8340 Malling (N56.0276. E10.20587) in the years 2016–2019 and, on Zealand at Røglevej, 3540 Lyngø (N55.8558. E12.2948) in 2020–2022.

Sunshin, h								
	April	May	June	July	August	September	October	November
2016	129	262	241	166	198	204	74	73
2017	154	239	184	194	178	114	85	67
2018	184	365	301	352	158	126	121	39
2019	272	208	249	225	192	127	86	29
2020	272	250	288	174	264	165	93	47
2021	238	183	281	219	177	145	105	39
2022	258	229	234	241	250	152	112	38

Table S5. Drought index at the Christmas tree farms located in Jutland at Starupvej, 8340 Malling (N56.0276. E10.20587) in the years 2016–2019 and, on Zealand at Røglevej, 3540 Lyngø (N55.8558. E12.2948) in 2020–2022. The drought index represents a scale from 0–10, where 0 indicates maximal water reserves in the upper 10 cm of the soil, 5 indicates 50% water reserve, and 10 that there is no water available for growth (<https://www.dmi.dk/dmis-vejrprodukter/torkeindeks/>)

Drought index								
	April	May	June	July	August	September	October	November
2016	0.0	0.0	5.3	1.9	0.0	6.0	0.0	0.0
2017	0.0	0.0	3.4	0.0	0.0	0.0	0.0	0.0
2018	1.8	5.6	9.2	9.9	5.4	1.3	1.3	0.1
2019	5.9	7.5	9.4	4.6	2.1	2.1	0.1	0.0
2020	8.1	9.2	8.5	8.1	9.0	7.4	2.8	0.0
2021	5.0	6.7	9.4	7.8	3.5	3.9	0.5	0.0
2022	6.0	9.3	8.4	9.7	9.2	6.6	2.0	0.2