

Table S1. Meteorological conditions in Rimski Šančevi and Srbobran during flowering and grain filling of maize in 2011 and 2012

Environment	Month	Precipitation (mm)	Precipitation dev (mm)	Precipitation LTA (mm)	Daily temp (°C)	Daily temp dev (°C)	Daily temp LTA (°C)	Max temp (°C)	Max temp dev (°C)	Max temp LTA (°C)	RH (%)	RH dev (%)	RH LTA (%)	Days max temp ≥ 30	Days max temp ≥ 30 dev	Days max temp ≥ 30 LTA
RS11	Jun	36.9	-54.5	91.4	20.9	0.8	20.1	27.9	2.1	25.8	69	0	69	10	4	6
	Jul	61.5	-2.8	64.3	22.1	0.2	21.9	28.2	0.1	28.1	70	2	68	12	1	11
	Aug	1.5	-56.0	57.5	23.0	1.4	21.6	30.2	1.9	28.3	64	-4	68	20	9	11
SR11	Jun	46.2	-35.3	81.5	20.7	0.5	20.2	26.1	0.0	26.1	68	-1	69	9	3	6
	Jul	10.6	-55.6	66.2	20.9	-1.0	21.9	28.5	0.0	28.5	66	-2	68	13	1	12
	Aug	8.6	-44.5	53.1	21.9	0.6	21.3	28.5	0.0	28.5	69	1	68	17	5	12
RS12	Jun	27.5	-63.9	91.4	23.0	2.9	20.1	29.3	3.5	25.8	63	-6	69	16	10	6
	Jul	47.7	-16.6	64.3	25.2	3.3	21.9	32.0	3.9	28.1	61	-7	68	22	11	11
	Aug	3.5	-54.0	57.5	24.6	3.0	21.6	32.3	4.0	28.3	51	-17	68	22	11	11
SR12	Jun	36.2	-45.3	81.5	22.4	2.2	20.2	26.1	0.0	26.1	69	0	69	16	10	6
	Jul	33.8	-32.4	66.2	24.3	2.4	21.9	28.5	0.0	28.5	70	2	68	22	10	12
	Aug	16.2	-36.9	53.1	23.3	2.0	21.3	28.5	0.0	28.5	64	-4	68	24	12	12

dev: deviation from the long-term average values (1981-2010); LTA: long-term average; temp: average temperature; max: maximum; RH: relative humidity; days max temp ≥ 30 : days with maximum daily temperatures above 30°C; RS11: Rimski Šančevi 2011; SR11: Srbobran 2011; RS12: Rimski Šančevi 2012; SR12: Srbobran 2012. *Source:* Republic Hydrometeorological Institute of Serbia, http://www.hidmet.gov.rs/index_eng.php