

**Table S 2.** Climatic conditions of testing sites.

Site code	WI (°C month)	TMC (°C)	PRS (mm)	MSD (m)	WinSR	SprSR	SumSR	AutSR	Elevation (m asl.)
					(0.1MJ/m <sup>2</sup> /day)				
A30	54.7	−6.8	714	0.33	97	184	166	129	350
A31	54.3	−11.7	555	1.53	83	186	170	121	370
A32	54.2	−14.7	731	0.54	92	184	169	120	180
A33	58.8	−12.0	510	1.16	85	180	176	128	200
A34	49.6	−17.3	497	1.72	79	180	173	115	180
A35	47.2	−16.8	531	0.95	85	181	178	118	310
A36	46.1	−18.8	451	0.65	101	183	182	123	488
A37	48.4	−17.5	616	0.61	109	187	165	122	490
A38	46.8	−10.3	655	0.32	103	180	166	125	40
Average	51.1	−14.0	584	0.87	93	183	172	122	258