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Irregularity at the edge: Developmental dynamics of leaf margins in six temperate tree species

Supplementary Material

Appendix 1. Mean, Standard Deviation (SD), Minimum, and Maximum values for leaf area, irregularity index, and aspect ratio

Species	Light	Day	Leaf Area				Irregularity Index				Shape Index			
			Mean	SD	Min	Max	Mean	SD	Min	Max	Mean	SD	Min	Max
Ap	shade	0	1.79	0.79	0.58	2.50	7.09	1.94	5.74	10.51	0.82	0.04	0.76	0.86
Ap	shade	10	6.86	2.29	4.35	10.26	2.84	0.52	1.99	3.36	0.72	0.10	0.60	0.87
Ap	shade	20	46.78	14.06	30.48	67.51	1.15	0.20	0.87	1.44	0.83	0.08	0.70	0.88
Ap	shade	30	52.10	11.00	43.80	64.58	1.14	0.28	0.96	1.46	0.82	0.07	0.75	0.86
Ap	shade	40	94.33	21.15	70.50	118.19	0.71	0.12	0.58	0.89	0.74	0.03	0.71	0.77
Ap	shade	50	93.37	38.70	55.31	149.30	0.79	0.17	0.63	0.98	0.79	0.08	0.67	0.86
Ap	sun	0	2.93	2.11	0.78	5.65	6.20	3.30	3.63	9.90	0.75	0.10	0.69	0.93
Ap	sun	10	16.30	13.62	6.28	40.29	2.06	0.55	1.18	2.69	0.73	0.03	0.69	0.76
Ap	sun	20	79.59	31.31	42.75	117.95	0.85	0.26	0.65	1.25	0.80	0.07	0.69	0.89
Ap	sun	30	85.18	39.26	40.67	128.68	0.84	0.26	0.52	1.16	0.84	0.06	0.80	0.93
Ap	sun	40	111.74	25.54	92.67	151.91	0.66	0.10	0.51	0.79	0.71	0.04	0.66	0.75
Ap	sun	50	151.56	26.40	129.43	197.45	0.58	0.09	0.45	0.68	0.92	0.11	0.75	1.05
Bp	shade	0	0.49	0.12	0.35	0.66	9.11	0.69	8.37	10.13	0.65	0.10	0.48	0.74
Bp	shade	10	2.92	0.61	2.18	3.81	3.32	0.49	2.65	4.01	0.64	0.05	0.56	0.69
Bp	shade	20	8.07	1.80	5.62	10.03	2.04	0.30	1.66	2.44	0.64	0.03	0.60	0.69
Bp	shade	30	7.94	2.10	5.61	10.79	1.97	0.27	1.66	2.21	0.63	0.02	0.60	0.66
Bp	shade	40	8.35	2.41	5.83	12.14	1.94	0.32	1.51	2.28	0.65	0.02	0.62	0.67
Bp	shade	50	7.84	1.83	5.76	9.75	1.88	0.26	1.61	2.15	0.62	0.02	0.59	0.64
Bp	sun	0	0.69	0.22	0.44	0.93	7.45	1.46	6.02	9.30	0.68	0.03	0.65	0.73
Bp	sun	10	5.02	0.40	4.66	5.66	2.55	0.14	2.39	2.69	0.57	0.03	0.54	0.61
Bp	sun	20	11.34	2.36	8.43	14.81	1.75	0.12	1.61	1.95	0.57	0.03	0.55	0.63
Bp	sun	30	12.37	2.43	8.51	15.13	1.56	0.14	1.38	1.75	0.59	0.02	0.57	0.62
Bp	sun	40	11.53	1.57	8.81	12.69	1.64	0.12	1.55	1.83	0.58	0.01	0.56	0.59
Bp	sun	50	15.64	3.48	11.84	19.07	1.54	0.16	1.35	1.76	0.59	0.04	0.54	0.64
Ca	shade	0	1.27	0.39	0.71	1.69	6.05	0.52	5.59	6.65	0.63	0.02	0.61	0.66
Ca	shade	10	8.65	3.49	4.72	14.20	2.25	0.45	1.60	2.82	0.71	0.06	0.67	0.82
Ca	shade	20	24.36	6.41	17.66	32.98	1.48	0.21	1.26	1.70	0.72	0.05	0.68	0.80
Ca	shade	30	30.69	12.33	20.47	49.96	1.15	0.20	0.94	1.44	0.68	0.06	0.61	0.76
Ca	shade	40	34.72	11.37	21.28	48.34	1.24	0.34	0.98	1.66	0.70	0.03	0.66	0.74
Ca	shade	50	33.67	15.16	16.90	55.91	1.19	0.27	0.83	1.53	0.68	0.08	0.60	0.80
Ca	sun	0	1.00	0.26	0.74	1.37	6.56	0.99	5.46	8.09	0.67	0.06	0.60	0.75
Ca	sun	10	7.23	2.64	4.34	10.67	2.22	0.37	1.75	2.68	0.67	0.05	0.59	0.73
Ca	sun	20	35.82	6.06	27.94	43.58	1.15	0.09	1.07	1.28	0.74	0.06	0.67	0.84
Ca	sun	30	30.12	11.51	21.89	50.02	1.12	0.17	0.91	1.39	0.68	0.05	0.60	0.72
Ca	sun	40	40.45	21.48	22.52	77.30	1.11	0.27	0.76	1.52	0.71	0.06	0.63	0.79
Ca	sun	50	59.28	15.56	37.08	78.36	0.78	0.10	0.65	0.91	0.79	0.09	0.71	0.93
Cb	shade	0	2.20	0.58	1.56	2.93	5.31	0.80	4.54	6.19	0.55	0.03	0.50	0.58
Cb	shade	10	6.24	3.53	3.49	11.39	2.52	0.59	1.73	3.01	0.61	0.05	0.56	0.66
Cb	shade	20	13.49	3.11	9.99	17.87	1.90	0.16	1.67	2.11	0.63	0.03	0.61	0.67
Cb	shade	30	12.85	2.75	9.73	15.89	1.69	0.23	1.43	1.95	0.63	0.03	0.58	0.66
Cb	shade	40	15.08	3.31	11.47	19.24	1.61	0.24	1.31	1.92	0.61	0.04	0.57	0.67
Cb	shade	50	14.01	5.65	6.07	21.73	1.78	0.40	1.28	2.37	0.61	0.04	0.55	0.67
Cb	sun	0	2.49	1.24	1.05	4.20	4.63	1.03	3.37	5.97	0.54	0.05	0.48	0.62
Cb	sun	10	5.91	2.00	4.06	9.11	2.53	0.41	1.91	2.86	0.59	0.04	0.53	0.65
Cb	sun	20	21.63	4.92	16.21	27.80	1.55	0.26	1.30	1.87	0.58	0.03	0.55	0.62
Cb	sun	30	13.95	5.37	10.10	23.35	1.68	0.27	1.30	1.96	0.59	0.04	0.54	0.64
Cb	sun	40	20.06	4.79	14.41	26.14	1.37	0.19	1.20	1.59	0.57	0.04	0.52	0.62
Cb	sun	50	18.64	3.59	13.65	23.31	1.44	0.12	1.29	1.58	0.58	0.05	0.52	0.64

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Species	Light	Day	Leaf Area				Irregularity Index				Shape Index			
			Mean	SD	Min	Max	Mean	SD	Min	Max	Mean	SD	Min	Max
Sa	shade	0	1.27	0.46	0.94	2.03	6.05	0.84	5.13	7.24	0.41	0.07	0.32	0.49
Sa	shade	10	4.03	1.17	2.54	5.42	4.06	0.86	2.99	5.27	0.42	0.06	0.37	0.51
Sa	shade	20	4.61	1.21	3.39	6.53	3.10	0.37	2.66	3.63	0.42	0.03	0.40	0.47
Sa	shade	30	5.04	0.82	4.22	6.18	3.15	0.44	2.60	3.68	0.41	0.03	0.38	0.45
Sa	shade	40	3.94	1.20	2.56	5.20	3.81	0.73	3.20	4.92	0.44	0.08	0.32	0.51
Sa	sun	0	1.69	0.33	1.35	2.11	5.04	0.53	4.62	5.89	0.34	0.04	0.29	0.38
Sa	sun	10	5.47	1.86	3.10	7.75	3.21	0.58	2.54	3.81	0.36	0.01	0.34	0.37
Sa	sun	20	7.57	4.29	3.31	13.03	2.59	0.79	1.70	3.71	0.36	0.05	0.31	0.42
Sa	sun	30	8.74	2.75	5.00	12.62	2.21	0.35	1.83	2.74	0.35	0.03	0.32	0.40
Sa	sun	40	7.93	3.04	4.52	10.98	2.32	0.43	1.93	2.83	0.35	0.04	0.30	0.41
Sc	shade	0	1.34	0.44	0.75	1.98	4.07	0.69	3.65	5.29	0.55	0.10	0.39	0.64
Sc	shade	10	3.37	1.13	2.12	5.06	2.36	0.45	2.04	3.10	0.59	0.09	0.48	0.72
Sc	shade	20	9.12	2.76	6.17	13.44	1.53	0.32	1.13	2.00	0.57	0.04	0.53	0.61
Sc	shade	30	13.76	5.63	6.53	19.39	1.18	0.30	0.93	1.61	0.57	0.04	0.52	0.62
Sc	shade	40	20.47	9.03	9.97	34.32	0.97	0.23	0.68	1.32	0.52	0.03	0.48	0.56
Sc	shade	50	12.26	4.03	6.27	17.12	1.27	0.26	1.05	1.71	0.56	0.07	0.48	0.67
Sc	sun	0	0.96	0.26	0.70	1.39	4.92	0.49	4.36	5.55	0.46	0.06	0.36	0.50
Sc	sun	10	4.12	2.41	1.89	7.54	2.49	0.60	1.84	3.30	0.44	0.05	0.38	0.51
Sc	sun	20	13.66	5.04	8.08	19.05	1.19	0.18	1.01	1.40	0.50	0.04	0.45	0.55
Sc	sun	30	25.30	11.29	14.44	38.28	0.87	0.19	0.66	1.09	0.50	0.03	0.46	0.55
Sc	sun	40	19.75	4.10	12.92	22.74	0.94	0.10	0.86	1.10	0.50	0.06	0.42	0.59
Sc	sun	50	16.14	4.04	8.99	18.62	1.11	0.17	0.94	1.38	0.50	0.08	0.43	0.64