

Supplementary material. Table S1. Weekly means and error standard for the variables in the two soil types.

Soil	Weeks	Variable	Treatments							
			Control		Steiner		Solid		Organic	
			Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.
Calcareous	1	pH	7.53	0.24	7.62	0.1	7.25	0.12	7.81	0.06
Calcareous	2	pH	7.81	0.03	7.63	0.07	7.41	0.01	7.8	0.03
Calcareous	3	pH	8.01	0.29	7.52	0.11	7.41	0.07	7.97	0.17
Calcareous	4	pH	8.11	0.05	7.44	0.12	7.59	0.09	7.82	0.05
Calcareous	5	pH	7.93	0.42	7.45	0.12	7.48	0.12	7.75	0.14
Calcareous	6	pH	7.69	0.08	7.77	0.02	7.32	0.08	7.75	0.04
Calcareous	7	pH	7.73	0.05	7.56	0.09	7.31	0.03	7.67	0.07
Calcareous	8	pH	8.08	0.23	7.62	0.09	7.51	0.06	8.03	0.06
Calcareous	9	pH	8.08	0.02	7.62	0.04	7.64	0.03	7.84	0.05
Calcareous	10	pH	7.74	0.26	7.53	0.12	7.13	0.05	7.69	0.1
Calcareous	11	pH	7.86	0.04	7.71	0.06	7.41	0.04	7.75	0.04
Calcareous	12	pH	7.84	0.1	7.49	0.08	7.35	0.07	7.81	0.1
Calcareous	13	pH	8.13	0.13	7.62	0.08	7.58	0.05	7.95	0.08
Calcareous	14	pH	8.07	0.04	7.43	0.11	7.46	0.18	7.77	0.12
Forest	1	pH	7.46	0.04	7.63	0.05	7.51	0.13	7.74	0.02
Forest	2	pH	7.68	0.03	7.59	0.08	7.47	0.08	7.73	0.05
Forest	3	pH	7.68	0.07	7.65	0.08	7.66	0.16	7.75	0.1
Forest	4	pH	7.81	0.09	7.51	0.01	7.64	0.04	7.94	0.06
Forest	5	pH	7.48	0.21	7.51	0.15	7.38	0.14	7.63	0.09
Forest	6	pH	7.54	0.06	7.68	0.05	7.39	0.06	7.71	0.01
Forest	7	pH	7.59	0.05	7.44	0.07	7.42	0.04	7.67	0.02
Forest	8	pH	7.82	0.08	7.7	0.01	7.63	0.04	7.99	0.02
Forest	9	pH	7.77	0.06	7.59	0.03	7.62	0.06	7.68	0.1
Forest	10	pH	7.45	0.12	7.49	0.14	7.3	0.03	7.64	0.06
Forest	11	pH	7.59	0.06	7.59	0.05	7.46	0.01	7.64	0.04
Forest	12	pH	7.68	0.05	7.6	0.09	7.46	0.09	7.72	0.12
Forest	13	pH	7.84	0.1	7.63	0.03	7.66	0.02	7.79	0.06
Forest	14	pH	7.87	0.27	7.47	0.13	7.63	0.1	7.63	0.09

Treatments										
Soil	Weeks	Variable	Control		Steiner		Solid		Organic	
			Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.
Calcareous	1	EC	1.03	0.03	1.18	0.16	5.26	0.18	0.96	0.03
Calcareous	2	EC	0.86	0.02	1.63	0.02	4.03	0.79	1.18	0.06
Calcareous	3	EC	0.86	0.02	2.07	0.13	3.41	0.06	1.31	0.05
Calcareous	4	EC	0.77	0.01	3.44	0.76	3.39	0.06	1.41	0.03
Calcareous	5	EC	0.91	0.01	4.43	1.74	2.95	0.72	1.45	0.22
Calcareous	6	EC	0.89	0.03	1.18	0.12	6.56	0.56	1.06	0.02
Calcareous	7	EC	0.83	0.01	1.73	0.11	3.83	0.17	1.15	0.03
Calcareous	8	EC	0.83	0.01	2.21	0.06	3.22	0.13	1.3	0.02
Calcareous	9	EC	0.86	0.03	3.32	0.41	3.26	0.35	1.51	0.11
Calcareous	10	EC	0.98	0.04	2.17	1.16	4.81	0.88	1.15	0.24
Calcareous	11	EC	0.83	0.04	1.43	0.1	4.1	0.52	1	0.01
Calcareous	12	EC	0.77	0.01	1.78	0.11	3.29	0.02	1.12	0.06
Calcareous	13	EC	0.74	0.01	2.28	0.19	2.95	0.19	1.28	0.11
Calcareous	14	EC	0.78	0.02	3.14	0.36	3.56	0.39	1.51	0.13
Forest	1	EC	1.44	0.05	1.78	0.07	3.37	0.53	1.65	0.06
Forest	2	EC	1.41	0.07	2.06	0.06	3.5	0.24	1.81	0.03
Forest	3	EC	1.51	0.04	2.73	0.11	3.26	0.23	2.12	0.04
Forest	4	EC	1.76	0.01	3.52	0.15	3.25	0.11	2.27	0.06
Forest	5	EC	1.52	0.11	4	1.17	5.09	1.56	2.25	0.38
Forest	6	EC	1.67	0.02	1.92	0.07	6.67	0.94	1.47	0.07
Forest	7	EC	1.54	0.08	2.81	0.37	4.35	0.16	1.58	0.07
Forest	8	EC	1.66	0.03	3.83	0.39	3.88	0.42	1.91	0.04
Forest	9	EC	1.81	0.05	4.19	0.16	3.7	0.09	2.26	0.14
Forest	10	EC	1.56	0.04	2.61	0.76	6.51	1.34	1.87	0.18
Forest	11	EC	1.5	0.05	2.16	0.08	4.96	0.64	1.82	0.03
Forest	12	EC	1.51	0.04	2.57	0.18	6.09	1.29	1.8	0.13
Forest	13	EC	1.76	0.1	3.28	0.16	3.42	0.45	2.21	0.09
Forest	14	EC	1.97	0.09	4.17	0.38	3.53	0.14	2.52	0.12

			Treatments							
			Control		Steiner		Solid		Organic	
Soil	Weeks	Variable	Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.
Calcareous	1	ORP	180.33	21.17	188	24.03	197.67	16.76	173.33	21.07
Calcareous	2	ORP	209	8.72	222.33	7.22	242	9.24	230.33	24.88
Calcareous	3	ORP	212	8.74	241	16.7	257.67	27	253.33	24.18
Calcareous	4	ORP	217	23.35	233	11.93	233	13	216.33	3.18
Calcareous	5	ORP	171.33	16.7	198.33	18.99	201.33	22.02	187.67	15.41
Calcareous	6	ORP	204.67	21.67	204.33	23.33	217	14.42	197	21.01
Calcareous	7	ORP	238.67	15.68	244.67	16.18	247	4.93	252.67	27.03
Calcareous	8	ORP	211.33	10.41	220	3.79	238.33	11.62	228	5.57
Calcareous	9	ORP	196	18.01	227	3	219.67	1.76	203	10.02
Calcareous	10	ORP	174.33	11.46	176.33	14.38	196.67	12.99	193	16.56
Calcareous	11	ORP	226	14.18	229.33	6.94	246	14.01	222.33	12.84
Calcareous	12	ORP	220.67	12.25	237.33	14.86	243	3.61	231	25.97
Calcareous	13	ORP	204.67	13.42	224	2.65	232	5.86	220.33	5.24
Calcareous	14	ORP	199	15.57	216.33	2.85	222.67	0.33	204	10.69
Forest	1	ORP	190.67	16.37	194.33	15.62	206	16.86	195	17.39
Forest	2	ORP	201.67	11.05	210.23	5.91	224.33	14.08	203.67	4.98
Forest	3	ORP	234.67	8.74	230.33	6.96	224.33	10.33	219.33	5.81
Forest	4	ORP	204.33	10.71	210.67	3.48	208.67	2.4	211.33	6.64
Forest	5	ORP	187.33	9.96	204	17.04	209.67	10.74	201	14.74
Forest	6	ORP	188.67	5.78	203.33	5.36	220.67	2.91	210.33	9.53
Forest	7	ORP	234.33	11.89	229.33	13.13	236	13.23	198.67	7.86
Forest	8	ORP	215	7.94	222.67	11.26	219.33	6.06	224	6.81
Forest	9	ORP	189.33	7.88	216.67	3.84	209.67	3.28	207.67	2.73
Forest	10	ORP	177.33	17.14	199	15.59	206.33	10.81	193.67	11.32
Forest	11	ORP	178	18.34	186.33	22.85	213.33	1.2	208.67	10.11
Forest	12	ORP	222	18.15	238.33	2.73	236.67	11.02	219.67	5.81
Forest	13	ORP	200.67	7.54	214.67	1.76	216	6.66	219	9.29
Forest	14	ORP	200.33	9.94	218	7.09	211.33	6.96	206	5.51

			Treatments							
			Control		Steiner		Solid		Organic	
Soil	Weeks	Variable	Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.
Calcareous	1	NO ₃	105	21.79	113.33	6.67	423.33	46.67	123.33	8.82
Calcareous	2	NO ₃	96.67	18.78	200	30.55	2700	200	107.67	16.9
Calcareous	3	NO ₃	160	17.32	730	58.59	2066.67	176.38	133.33	8.82
Calcareous	4	NO ₃	115.67	12.73	630	25.17	2366.67	176.38	92	14.42
Calcareous	5	NO ₃	56.33	5.9	680	35.12	1633.33	202.76	77	16.92
Calcareous	6	NO ₃	64	1.15	626.67	46.31	1500	115.47	71.67	12.2
Calcareous	7	NO ₃	101.67	14.24	943.33	84.52	1866.67	33.33	149.67	60.47
Calcareous	8	NO ₃	66.67	3.53	1070	85.05	1733.33	33.33	88.33	20.99
Calcareous	9	NO ₃	55.67	3.53	1106.67	109.75	1733.33	33.33	77.67	21.33
Calcareous	10	NO ₃	67	2.52	783.33	38.44	1566.67	88.19	140	11.55
Calcareous	11	NO ₃	140	0	1700	152.75	1400	115.47	166.67	14.53
Calcareous	12	NO ₃	47.67	2.6	2266.67	240.37	1766.67	66.67	88.67	26.59
Calcareous	13	NO ₃	50.33	7.36	2166.67	328.3	1866.67	66.67	82.67	24.11
Calcareous	14	NO ₃	206.67	8.82	2166.67	202.76	2300	208.17	303.33	48.42
Forest	1	NO ₃	350	0	423.33	17.64	2586.67	875.32	380	40.41
Forest	2	NO ₃	356.67	28.48	530	15.28	2766.67	589.73	443.33	46.67
Forest	3	NO ₃	666.67	41.77	810	30	2000	200	610	30
Forest	4	NO ₃	456.67	8.82	766.67	49.1	2366.67	240.37	430	10
Forest	5	NO ₃	423.33	3.33	850	41.63	1633.33	218.58	376.67	44.1
Forest	6	NO ₃	380	10	1060	121.24	2366.67	622.72	296.67	12.02
Forest	7	NO ₃	540	32.15	1466.67	120.19	2266.67	272.85	430	15.28
Forest	8	NO ₃	526.67	12.02	1433.33	88.19	2066.67	240.37	356.67	33.33
Forest	9	NO ₃	496.67	12.02	1533.33	88.19	1800	173.21	343.33	43.33
Forest	10	NO ₃	623.33	35.28	1733.33	185.59	1933.33	88.19	663.33	41.77
Forest	11	NO ₃	766.67	53.64	1966.67	66.67	1800	152.75	670	45.83
Forest	12	NO ₃	606.67	81.92	1900	57.74	1566.67	120.19	423.33	78.39
Forest	13	NO ₃	776.67	99.39	2500	57.74	2033.33	145.3	463.33	38.44
Forest	14	NO ₃	820	80.83	2533.33	166.67	2333.33	88.19	696.67	48.42

			Treatments							
			Control		Steiner		Solid		Organic	
Soil	Weeks	Variable	Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.
Calcareous	1	N	143.59	15.06	126.26	4.29	141.11	4.29	141.11	17.15
Calcareous	2	N	116.35	15.06	106.46	4.95	118.83	19.65	141.11	4.29
Calcareous	3	N	148.54	4.29	99.02	9.9	126.26	15.46	183.2	13.1
Calcareous	4	N	128.73	6.55	133.68	14.85	103.98	15.46	99.03	16.24
Calcareous	5	N	76.75	19.34	74.27	4.29	101.5	13.78	108.93	10.79
Calcareous	6	N	51.99	12.86	71.79	8.92	111.41	4.29	138.64	42.3
Calcareous	7	N	108.93	12.38	111.41	0	103.98	0	123.79	6.55
Calcareous	8	N	138.64	2.47	108.93	13.1	108.93	8.93	133.69	44.77
Calcareous	9	N	126.26	15.46	131.21	21.58	128.73	6.55	103.98	11.34
Calcareous	10	N	165.87	28.55	131.21	24.38	121.31	9.9	155.97	22.69
Calcareous	11	N	108.93	17.85	96.55	12.86	121.31	4.95	106.45	16.23
Calcareous	12	N	141.11	17.15	138.64	10.79	163.39	30.01	165.87	16.23
Calcareous	13	N	146.06	13.78	178.25	22.69	153.49	20.26	128.74	17.33
Calcareous	14	N	101.5	2.48	79.22	2.48	96.55	4.29	128.74	13.78
Forest	1	N	148.54	21.44	141.11	4.29	133.69	4.29	126.26	12.86
Forest	2	N	126.26	18.69	126.26	11.34	131.21	13.78	108.93	6.55
Forest	3	N	126.26	19.65	123.79	6.55	163.39	26.08	143.59	32.47
Forest	4	N	146.06	21.15	116.35	27.23	118.83	8.58	146.06	13.1
Forest	5	N	99.03	43.38	111.41	8.58	84.17	13.1	113.88	37.46
Forest	6	N	155.97	63.17	146.07	58.22	99.03	6.55	101.5	6.55
Forest	7	N	106.46	2.48	86.65	6.55	128.73	43.8	74.27	4.29
Forest	8	N	111.41	29.71	121.31	13.78	99.03	21.58	116.35	23.62
Forest	9	N	148.54	4.29	118.83	0	101.5	6.55	101.5	4.95
Forest	10	N	111.41	11.35	136.16	15.06	133.69	11.34	106.45	16.23
Forest	11	N	101.5	31.02	111.4	7.43	126.26	15.46	101.5	6.55
Forest	12	N	106.46	4.95	123.78	13.1	116.36	20.27	116.36	6.55
Forest	13	N	183.2	27.57	215.38	7.43	195.58	16.24	178.25	11.34
Forest	14	N	118.83	14.85	71.8	12.38	118.83	4.29	121.31	24.38

Treatments										
Soil	Weeks	Variable	Control		Steiner		Solid		Organic	
			Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.
Calcareous	1	Ca	104.98	11.2	89.72	4.31	535.97	187.47	124.06	27.34
Calcareous	2	Ca	109.53	5.09	106.71	6.61	986.53	42.66	99.99	3.22
Calcareous	3	Ca	98.5	3.66	135.9	12.75	838.9	138.07	100.56	3.23
Calcareous	4	Ca	82.45	5.78	147.4	16.61	541.6	93.35	98.4	6.25
Calcareous	5	Ca	80.08	7.33	177.8	17.14	465.37	112.43	108.2	10.98
Calcareous	6	Ca	79.28	6.62	180.37	11.41	542.35	27.05	107.36	9.21
Calcareous	7	Ca	83.66	6.49	215.87	7.27	387.27	30.08	113.57	2.19
Calcareous	8	Ca	71.3	1.63	255.47	13.18	373.67	19.62	115.13	4.02
Calcareous	9	Ca	72.8	1.31	263.6	15.02	361.9	52.88	126.93	2.98
Calcareous	10	Ca	93.13	3.21	300.83	7.35	468.13	31.83	144.23	3
Calcareous	11	Ca	89.95	5.77	490.1	105.84	390.2	33.39	157.03	5.25
Calcareous	12	Ca	88.61	5.1	638.26	136.53	525.14	28.66	181.02	3.81
Calcareous	13	Ca	86.66	3.68	724.35	192.54	567.45	16.42	182.6	6.16
Calcareous	14	Ca	77.91	3.22	564.13	111.86	583.47	83.54	170.6	3.95
Forest	1	Ca	236.28	5.88	286.24	29.11	1712.37	120.85	245.52	14.12
Forest	2	Ca	280.47	23.39	368.03	26.64	1916.63	585.14	281.67	29.6
Forest	3	Ca	259.03	13.93	344.3	25.23	1211.67	180.05	267.7	18.4
Forest	4	Ca	226.23	11.31	309.03	6.76	866.37	59.77	262.47	20.75
Forest	5	Ca	259.67	23.41	417.37	35.47	731.17	105.52	282.39	5.96
Forest	6	Ca	245.33	11.6	518.77	34.72	1088.17	271.46	263.5	11.58
Forest	7	Ca	263.8	21.91	483.4	57.75	926.3	114.19	319.14	21.97
Forest	8	Ca	258.23	18.55	616.53	63.58	756.8	132.81	298.43	13.08
Forest	9	Ca	295.23	14.56	672.03	54.43	641.57	63.11	333.87	13.08
Forest	10	Ca	359.57	1.68	799.33	108.33	841.4	65.56	420.13	20.15
Forest	11	Ca	400.33	8.5	742.23	174.45	649.67	69.57	452.73	19.55
Forest	12	Ca	400.77	27.74	997.66	44.97	740.3	52.68	465.74	34.95
Forest	13	Ca	377.74	47.99	1142.09	74.38	793.14	27.79	510.55	43.24
Forest	14	Ca	348.9	62.72	918.97	240.05	880.4	44.62	468.97	58.49

Treatments										
Soil	Weeks	Variable	Control		Steiner		Solid		Organic	
			Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.
Calcareous	1	K	14.46	3.91	14.29	1.93	119.84	39.23	12.47	3.4
Calcareous	2	K	14.25	0.14	19.36	3.62	82.86	26.39	11.72	0.43
Calcareous	3	K	12.68	2.35	16.66	4.2	58.05	6.95	9.41	0.67
Calcareous	4	K	11.6	0.54	20.17	4.27	68.52	5.65	11.7	1.04
Calcareous	5	K	17.12	2.62	27.29	4.51	69.12	5.24	13.66	1.94
Calcareous	6	K	6.57	0.93	15.42	4.59	127.7	19.11	9.86	1.27
Calcareous	7	K	11.61	0.93	21.84	2.41	75.65	13.47	12.29	0.82
Calcareous	8	K	13.87	3.08	33.69	13.48	46.72	5.95	12.12	0.64
Calcareous	9	K	12.23	0.52	29.78	3.22	44.93	17.87	16.53	0.14
Calcareous	10	K	13.39	0.61	28.65	0.55	69.88	13.11	16.41	0.72
Calcareous	11	K	11.77	0.71	35.54	8.84	176.67	40.51	16.65	1.23
Calcareous	12	K	12.93	1.89	38.19	5.47	137.1	24.5	17.93	0.48
Calcareous	13	K	12.39	0.94	42.57	6.92	133.32	21.89	19.04	0.56
Calcareous	14	K	8.57	1.43	31.3	5.61	138.17	20.82	17.48	0.19
Forest	1	K	88.26	58.65	94.94	60.96	152.48	82.17	38.41	2.61
Forest	2	K	41.92	2.74	52.78	1.58	153.87	39.83	45.3	6.47
Forest	3	K	43.66	5.14	43.55	0.88	107.56	25.13	41.18	6.52
Forest	4	K	40.45	2.48	52.14	1.2	113.94	22.51	45.12	7.13
Forest	5	K	47.28	2.58	69.65	2.91	112.28	17.83	57.83	10.64
Forest	6	K	30.75	0.61	59.74	6.34	208.73	62.5	38.8	6.63
Forest	7	K	39.63	4.14	59.68	9.59	167.77	39.19	53.5	7.57
Forest	8	K	42.75	1.67	78.52	3.62	134.02	42.56	59.67	9.28
Forest	9	K	51.96	3.23	98.16	8.28	108.64	22.45	72.97	11.05
Forest	10	K	52.84	1.78	112.86	19.8	131.85	27.9	71.12	11.6
Forest	11	K	49.19	2.03	93.46	25.6	115.3	19.21	76.68	16.73
Forest	12	K	54.73	3.23	125.49	17.94	107.87	17.77	87.73	14.65
Forest	13	K	52.97	3.17	139.62	22.36	113.7	18.79	90.96	18.23
Forest	14	K	52.27	7	135.56	26.94	122.92	16.94	92.67	23.3

Treatments										
Soil	Weeks	Variable	Control		Steiner		Solid		Organic	
			Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.
Calcareous	1	Mg	56.94	1.48	50.28	2.07	255.73	86.02	46.59	3.07
Calcareous	2	Mg	52.95	1.2	59.35	3.07	483.4	17.28	56.24	2.28
Calcareous	3	Mg	53.24	1.12	72.52	4.84	404.63	63.15	58.29	3.2
Calcareous	4	Mg	44.78	1.55	79.32	4.02	291.1	29.45	57.68	3.08
Calcareous	5	Mg	47.82	2.64	101.4	5.63	242.97	38.94	67.14	5.66
Calcareous	6	Mg	42.31	2.37	91.82	4.37	207.8	8.1	59.75	2.84
Calcareous	7	Mg	43.6	2.03	111.35	11.11	190.57	29.54	67.65	3.38
Calcareous	8	Mg	36.5	2.68	120.9	5.69	167.13	21.62	66.16	1.24
Calcareous	9	Mg	37.4	1.46	126.53	10.25	153.07	25.52	70.55	0.94
Calcareous	10	Mg	35.93	0.78	132.63	5.31	195.53	10.56	67.94	1.62
Calcareous	11	Mg	37.68	1.74	225.47	28.84	132.37	7.72	75.73	0.35
Calcareous	12	Mg	38.29	2.36	265.4	40.49	191.57	4.12	89.4	1.26
Calcareous	13	Mg	36.12	2	281.57	50.58	206.03	3.7	88.51	1.3
Calcareous	14	Mg	30.92	4.3	232.9	34.68	223.47	32.01	91.29	1.51
Forest	1	Mg	30.86	1.56	36.3	2.4	182.76	15.27	34.27	1.95
Forest	2	Mg	32.82	2.22	39.51	1.83	171.53	49.83	36.36	3.35
Forest	3	Mg	32.86	2.23	38.17	1.33	116.89	17.12	37.32	2.62
Forest	4	Mg	34.96	2.24	39.96	0.98	91.45	9.02	39.01	3
Forest	5	Mg	36.55	2.92	47.35	1.51	82.34	7.77	45.63	4.68
Forest	6	Mg	28.31	0.45	48.9	2.25	121.77	33.82	36.4	4.17
Forest	7	Mg	31.1	2.78	47.64	6.4	100.54	23.7	43.12	5.61
Forest	8	Mg	28.27	0.88	55	4.19	70.45	11.3	39.87	3.53
Forest	9	Mg	30.87	1.37	60.89	3.49	61.08	6.35	42.08	2.87
Forest	10	Mg	33.34	0.82	66.51	8.06	67.82	7.4	41.51	3.04
Forest	11	Mg	36.74	1.37	64.8	13.21	62.23	4.91	46.53	2.06
Forest	12	Mg	33.89	2.35	84.12	3.69	68.61	3.33	48.22	2.49
Forest	13	Mg	30.61	3.18	88.93	4.06	69.83	2.8	47.25	2.14
Forest	14	Mg	33.24	4.97	78.3	21.34	81.2	1.36	49.4	7.22

			Treatments							
			Control		Steiner		Solid		Organic	
Soil	Weeks	Variable	Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.
Calcareous	1	Na	31.56	1.63	34.52	2.25	61.43	12.96	33.52	5.27
Calcareous	2	Na	28.39	0.4	34.41	2.76	79.13	5.43	28.92	2.93
Calcareous	3	Na	30.22	0.84	41	1.98	78.7	6.09	32.5	3.6
Calcareous	4	Na	30.68	0.99	46.65	1.32	73.27	7.02	38.91	4.11
Calcareous	5	Na	33.46	2.06	55.83	4.03	71.11	4.31	46.88	5.1
Calcareous	6	Na	27.84	0.53	44.76	1.52	77.47	4.77	42.03	3.24
Calcareous	7	Na	31.2	0.91	53.44	5.42	59.32	5.83	49.33	2.66
Calcareous	8	Na	38.57	9.59	57.32	0.24	52.17	8.37	53.46	2.45
Calcareous	9	Na	29.85	1.05	58.45	3.27	46.92	8.11	59.45	1.49
Calcareous	10	Na	32.16	0.92	66.35	2.26	70.23	1.66	63.08	3.12
Calcareous	11	Na	32.88	0.85	86.52	10.25	70.3	5.82	72.43	1.21
Calcareous	12	Na	35.02	0.68	102.35	12.36	77.34	3.23	88.6	2.26
Calcareous	13	Na	35.31	0.88	114.88	17.68	86.12	1.72	100.49	5.32
Calcareous	14	Na	26.94	3.67	89.56	15.69	86.2	10.11	97.52	3.9
Forest	1	Na	27.13	1.87	30.92	2.47	83.32	11.31	27.36	3.66
Forest	2	Na	26.07	2.07	33.3	2.06	54.07	12.54	30.93	3.3
Forest	3	Na	28.02	2.27	35.98	2.92	49.66	7.87	33.49	2.81
Forest	4	Na	29.92	2.84	38.48	3.51	42.67	5.93	33.97	1.36
Forest	5	Na	31.97	1.37	44.74	5.48	41.8	6.28	40.32	1.65
Forest	6	Na	27.3	2.08	43.82	2.23	59.28	13.18	35.6	0.65
Forest	7	Na	30.39	1.76	39.83	6.38	54.74	9.21	45.63	1.8
Forest	8	Na	27.75	1.23	45.93	0.61	42.27	7.13	53.11	8.14
Forest	9	Na	29.35	0.92	49.42	0.78	38.83	5.83	65.55	11.22
Forest	10	Na	32.82	1.15	58.02	4.65	48.99	3.51	72.8	14.18
Forest	11	Na	34.21	1.16	51.16	9.47	46.46	3.68	84.37	19.38
Forest	12	Na	36.28	0.71	64.06	1.82	49.35	3.26	99.53	19.72
Forest	13	Na	35.34	0.95	67.54	3.21	50.36	3.35	104.54	19.65
Forest	14	Na	36.53	1.18	58.85	13.68	53.32	2.82	108.05	21.85

			Treatments							
			Control		Steiner		Solid		Organic	
Soil	Weeks	Variable	Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.
Calcareous	1	S	67.59	1.8	88.92	10.38	64.56	11.67	114.04	42.46
Calcareous	2	S	66.63	7.93	57.75	14.7	50.45	6.6	66.79	10.83
Calcareous	3	S	75.01	1.13	64.68	3.93	60.52	12.37	70.38	4.8
Calcareous	4	S	75.91	1.22	56.49	3.92	73.8	13.04	73.19	5.34
Calcareous	5	S	75.65	5.53	57.4	4.45	80.58	8.15	85.45	8.65
Calcareous	6	S	83.16	3.81	61.91	5.52	92.7	7.42	78.92	4.08
Calcareous	7	S	83.27	5.7	61.14	10.51	71.51	7.37	87.07	7.34
Calcareous	8	S	64.91	8.53	61.19	6.12	59.93	12.09	78.92	3.61
Calcareous	9	S	76.61	8.92	59.14	12	60.81	1.31	86.7	5.76
Calcareous	10	S	64.79	1.55	46.63	4.38	61.33	4.47	76.58	3.51
Calcareous	11	S	68.57	2.4	53.86	2.6	140.49	41.84	84.25	4.19
Calcareous	12	S	90.07	10.41	87.12	5.94	120.47	31.3	133.5	12.84
Calcareous	13	S	50.44	9.15	48.31	9.97	59.14	9.17	80.57	21.16
Calcareous	14	S	61.66	5.05	57.97	7.96	93.84	8.58	96.72	8.46
Forest	1	S	69.57	4.01	117.63	41.08	119.6	33.95	110.6	35.25
Forest	2	S	64.91	6.74	78.33	7.34	79.66	24.23	67.03	9.46
Forest	3	S	66.23	4.46	80.36	7.61	76.76	16.73	69.53	7.99
Forest	4	S	66.14	3.96	82.39	4.81	77.81	12.11	72.39	6.6
Forest	5	S	64.93	2.92	86.2	7.77	76.82	9.74	79.96	9.17
Forest	6	S	63.77	2.76	91.64	2.4	104.52	18.5	80.74	9.35
Forest	7	S	69.69	7.64	104.86	16.74	101.73	23.31	99.51	4.69
Forest	8	S	61.64	2.85	97.18	5.27	87.29	13.38	101.74	7.6
Forest	9	S	76.12	7.74	121.05	12.25	83	11.76	133.73	2.87
Forest	10	S	62.45	2.12	107.47	15.75	68.04	7.72	107.2	10.49
Forest	11	S	72.98	7.99	104.08	23.66	95.76	2.64	116.26	17.08
Forest	12	S	86.32	8.35	152.93	13.44	115.03	14.09	161.15	33.49
Forest	13	S	73.52	4.8	138.23	17.6	89.29	8.53	132.77	4.38
Forest	14	S	78.27	7.3	121.1	33.03	89.99	11.86	133.97	16.63

Treatments										
			Control		Steiner		Solid		Organic	
Soil	Weeks	Variable	Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.
Calcareous	1	Zn	0.02	0.01	0.02	0.0033	0.21	0.09	0.02	0.0033
Calcareous	2	Zn	0.02	0.00	0.01	0.0033	0.09	0.02	0.01	0
Calcareous	3	Zn	0.07	0.03	0.04	0.02	0.09	0.03	0.02	0.01
Calcareous	4	Zn	0.00	0.00	0.0033	0.0033	0.41	0.17	0	0
Calcareous	5	Zn	0.12	0.04	0.08	0.02	0.29	0.15	0.06	0.03
Calcareous	6	Zn	0.01	0.00	0.01	0	0.66	0.33	0.01	0
Calcareous	7	Zn	0.06	0.02	0.06	0.01	0.2	0.06	0.06	0.01
Calcareous	8	Zn	0.01	0.00	0.01	0	0.01	0	0.01	0
Calcareous	9	Zn	0.02	0.01	0.01	0	0.01	0	0.01	0
Calcareous	10	Zn	0.01	0.00	0.05	0.0033	0.1	0.01	0.02	0.0033
Calcareous	11	Zn	0.01	0.01	0.04	0.02	0.18	0.03	0.02	0.01
Calcareous	12	Zn	0.01	0.00	0.05	0.01	0.06	0.01	0.02	0
Calcareous	13	Zn	0.00	0.00	0.05	0.01	0.06	0.01	0.02	0.0033
Calcareous	14	Zn	0.02	0.00	0.04	0.01	0.06	0.01	0.02	0.01
Forest	1	Zn	0.04	0.00	0.07	0.03	1.28	0.85	0.03	0.01
Forest	2	Zn	0.02	0.00	0.13	0.04	1.23	0.32	0.02	0.0033
Forest	3	Zn	0.02	0.01	0.14	0.07	1.24	0.32	0.02	0.01
Forest	4	Zn	0.00	0.00	0.18	0.07	2	0.41	0.01	0.0033
Forest	5	Zn	0.07	0.02	0.38	0.12	1.49	0.44	0.07	0.01
Forest	6	Zn	0.01	0.00	0.32	0.25	2.29	0.6	0.01	0
Forest	7	Zn	0.06	0.01	0.43	0.26	1.65	0.19	0.06	0.01
Forest	8	Zn	0.01	0.00	0.01	0	0.1	0.09	0.01	0
Forest	9	Zn	0.01	0.00	0.01	0	0.01	0	0.01	0
Forest	10	Zn	0.04	0.00	0.1	0.03	0.07	0.01	0.03	0.0033
Forest	11	Zn	0.03	0.01	0.15	0.09	0.09	0.02	0.03	0.01
Forest	12	Zn	0.03	0.00	0.19	0.1	0.08	0.01	0.03	0
Forest	13	Zn	0.02	0.00	0.15	0.03	0.06	0.01	0.04	0.01
Forest	14	Zn	0.03	0.01	0.21	0.08	0.06	0.02	0.03	0.01

Treatments										
			Control		Steiner		Solid		Organic	
Soil	Weeks	Variable	Mean	S.E.	Mean	S.E.	Mean	S.E.	Mean	S.E.
Calcareous	1	B	1.14	0.41	1.28	0.29	1.54	0.14	1.49	0.15
Calcareous	2	B	1.75	0.13	1.74	0.23	1.77	0.13	1.81	0.1
Calcareous	3	B	1.88	0.16	1.77	0.13	2.02	0.38	1.72	0.15
Calcareous	4	B	2.33	0.08	1.91	0.06	3.32	0.96	2.2	0.18
Calcareous	5	B	3.28	0.71	1.48	0.27	2.03	0.51	1.7	0.18
Calcareous	6	B	0.28	0.15	0.36	0.18	1.33	0.49	0.44	0.22
Calcareous	7	B	0.67	0.23	0.45	0.1	0.86	0.22	0.6	0.32
Calcareous	8	B	0.18	0.09	0.09	0.02	0.58	0.49	0.17	0.08
Calcareous	9	B	0.79	0.18	1.18	0.08	0.77	0.36	0.85	0.18
Calcareous	10	B	2.89	0.38	2.29	0.32	2.88	0.14	2.75	0.24
Calcareous	11	B	1.79	0.26	1.31	0.12	2.31	0.49	1.82	0.08
Calcareous	12	B	1.48	0.14	1.47	0.12	1.89	0.24	1.54	0.11
Calcareous	13	B	1.05	0.17	1.2	0.08	1.88	0.42	1.37	0.13
Calcareous	14	B	0.74	0.07	0.64	0.29	0.49	0.37	0.51	0.12
Forest	1	B	0.92	0.42	0.93	0.33	1.09	0.28	1.1	0.23
Forest	2	B	1.22	0.21	1.13	0.18	0.92	0.11	1.03	0.14
Forest	3	B	1.51	0.07	1.11	0.08	0.8	0.07	1.05	0.08
Forest	4	B	1.51	0.06	1.74	0.19	1.16	0.12	1.37	0.15
Forest	5	B	1.09	0.30	0.58	0.14	0.24	0.06	0.65	0.09
Forest	6	B	0.30	0.10	0.68	0.34	0.54	0.41	0.84	0.42
Forest	7	B	0.36	0.17	0.66	0.25	0.49	0.16	0.31	0.12
Forest	8	B	0.17	0.04	0.5	0.03	0.41	0.13	0.39	0.05
Forest	9	B	1.38	0.25	2.25	0.18	2.43	0.24	1.91	0.12
Forest	10	B	2.11	0.23	1.93	0.18	1.72	0.14	1.98	0.1
Forest	11	B	1.07	0.11	1.28	0.21	0.82	0.28	1.05	0.37
Forest	12	B	1.24	0.05	1.17	0.06	1.17	0.08	1.26	0.04
Forest	13	B	0.89	0.04	0.76	0.11	0.78	0.11	0.87	0.15
Forest	14	B	0.62	0.25	1.1	0.39	1.12	0.22	1.06	0.33