

Supplementary material for

The effect of low-intensity prescribed burns in two seasons on litterfall biomass and nutrient content

J. Espinosa^{A,B,D}, *J. Madrigal*^{A,B}, *V. Pando*^{B,C}, *A. C. de la Cruz*^A, *M. Guijarro*^{A,B} and *C. Hernando*^{A,B}

^AINIA, Forest Research Centre, Department of Forest Dynamics and Management, Forest Fire Laboratory, Carretera Coruña km 7.5, 28040 Madrid, Spain.

^BiuFOR, University Institute for Sustainable Forest Management, UVA-INIA, Avenida Madrid s/n, 34004 Palencia, Spain.

^CDepartment of Statistics and Operational Investigation of ETSIIAA de Palencia (UVA), Avenida Madrid s/n, 34004 Palencia, Spain.

^DCorresponding author. Email: espinosa.juncal@inia.es

Table S1. Concentrations of C, N, K, Ca, Mg (mg g⁻¹) and P (mg kg⁻¹) in fractions of litterfall biomass for the 3 treatments at El Pozuelo and Beteta.

Note = NT: nutrient; F: fraction; NEN: *Pinus nigra* needles; NEP: *Pinus pinaster* needles; CON: cones; INF: inflorescences; BRA: branches; BAR: bark.

NT	F	El Pozuelo					Beteta				
		May 2016 – April 017		May 2017 – April 2018			May 2016 – April 2017		May 2017 – April 2018		
--	--	Non-burned	Spring-burned	Non-burned	Spring-burned	Autumn-burned	Non-burned	Spring-burned	Non-burned	Spring-burned	Autumn-burned
C	NEN	510.67	512.43	514.33	518.73	518.63	522.23	518.97	524.70	526.67	521.37
	NEP	500.73	502.07	507.40	512.13	505.07	--	--	--	--	--
	CON	492.93	487.9	489.47	497.37	484.80	487.10	492.23	489.50	493.20	493.13
	INF	493.00	489.80	494.50	4950.20	496.57	493.63	495.27	500.23	502.20	504.17
	BRA	491.20	493.30	496.20	492.60	491.63	506.30	501.27	499.47	500.50	498.40
	BAR	488.83	487.47	481.63	484.27	482.17	488.67	490.77	487.50	489.13	488.20
N	NEN	3.93	4.57	4.07	4.64	4.43	4.19	5.22	4.51	5.19	4.87
	NEP	2.55	2.87	3.30	3.37	3.45	--	--	--	--	--
	CON	2.7	1.9	2.9	3.2	2.5	2.50	2.85	2.29	2.89	2.32
	INF	6.93	7.15	8.26	7.14	7.01	7.10	7.60	8.38	8.99	8.21

	BRA	4.18	3.93	4.14	3.79	4.24	4.26	4.02	4.41	4.60	3.80
	BAR	3.95	3.67	4.80	4.55	4.59	4.00	3.81	4.80	5.01	4.52
P	NEN	115.23	183.45	234.19	313.14	260.24	279.66	297.92	354.32	326.31	420.09
	NEP	129.65	249.01	152.78	317.32	197.04	--	--	--	--	--
	CON	157.66	186.41	217.99	198.99	116.99	330.62	329.25	92.57	143.56	124.92
	INF	115.93	154.55	319.19	284.54	312.17	244.62	362.47	358.06	374.09	372.99
	BRA	145.80	205.95	140.41	129.51	181.55	326.76	233.91	155.57	145.38	128.87
	BAR	132.29	173.46	182.34	150.20	162.77	299.18	257.93	143.94	159.86	160.91
K	NEN	0.77	1.68	2.39	2.61	2.53	1.78	1.86	1.81	1.63	1.86
	NEP	0.80	1.58	1.15	1.07	1.42	--	--	--	--	--
	CON	1.04	1.16	2.03	1.57	1.29	4.84	3.67	1.56	1.73	1.50
	INF	0.85	0.98	0.90	0.76	0.97	2.25	3.51	1.28	0.98	1.04
	BRA	0.72	1.74	0.45	0.48	0.53	4.28	3.69	0.50	0.52	0.42
	BAR	0.72	1.35	0.53	0.42	0.47	3.45	2.44	0.48	0.47	0.50
Ca	NEN	7.65	8.01	8.31	8.31	8.34	5.21	3.96	5.22	5.14	5.36
	NEP	10.07	7.63	7.82	8.63	8.37	--	--	--	--	--
	CON	2.99	9.87	0.56	0.58	0.54	4.13	3.08	0.42	0.43	0.43
	INF	7.94	7.52	1.95	2.22	1.99	2.60	3.85	1.64	1.79	1.68
	BRA	9.10	7.78	7.32	7.22	6.41	3.31	1.52	5.34	4.86	4.83
	BAR	8.53	8.52	7.69	8.48	7.76	5.30	4.94	6.78	6.82	6.51
Mg	NEN	0.79	1.21	1.06	0.93	0.83	0.96	0.95	1.84	1.47	1.87
	NEP	0.64	0.93	1.86	1.75	1.66	--	--	--	--	--
	CON	0.78	0.66	0.43	0.43	0.35	0.84	0.71	0.41	0.43	0.49
	INF	0.89	0.97	0.58	0.57	0.58	0.61	0.80	0.76	0.69	0.75
	BRA	0.73	0.85	0.46	0.36	0.38	0.77	0.70	0.49	0.48	0.51
	BAR	0.59	1.18	0.35	0.32	0.33	0.67	0.68	0.45	0.47	0.47