

Table S1. Repeated Measures ANOVA Table for air temperature on the Cerro Seco study site, Valles Caldera National Preserve, New Mexico.

Treatment = Control/Thin-burned; Period = Pre-thinning/Post-thinning/Post-burning; Season = Fall/Winter/Spring/Summer.

Subject = Replicate weekly means of variable tested.

Source	DF	SS	MS	F	P
Treatment (A)	1	34.3	34.34	2.08	0.1681
Subject (B)					
Error A*B	16	263.6	16.47		
Period (C)	2	17.1	8.57	4.41	0.0203
A*C	2	4.0	2.00	1.03	0.3683
Error A*B*C	32	62.2	1.94		
Season (D)	3	8329.8	2776.60	116.15	0.0000
A*D	3	1.6	0.53	0.02	0.9955
Error A*B*D	48	1147.4	23.90		
C*D	6	49.0	8.16	6.43	0.0000
A*C*D	6	0.2	0.04	0.03	0.9998
Error A*B*C*D	96	122.0	1.27		
Total	215	10031.2			

Table S2. Repeated Measures ANOVA Table for relative humidity on the Cerro Seco study site, Valles Caldera National Preserve, New Mexico.

Treatment = Control/Thin-burned; Period = Pre-thinning/Post-thinning/Post-burning; Season = Fall/Winter/Spring/Summer.

Subject = Replicate weekly means of variable tested.

Source	DF	SS	MS	F	P
Treatment (A)	1	0.04725	0.04725	1.90	0.1867
Subject (B)					
Error A*B	16	0.39732	0.02483		
Period (C)	2	0.47566	0.23783	38.08	0.0000
A*C	2	0.00330	0.00165	0.26	0.7697
Error A*B*C	32	0.19987	0.00625		
Season (D)	3	1.17580	0.39193	25.54	0.0000
A*D	3	0.00290	0.00097	0.06	0.9791
Error A*B*D	48	0.73665	0.01535		
C*D	6	0.45098	0.07516	14.75	0.0000
A*C*D	6	0.00014	0.00002	0.00	1.0000
Error A*B*C*D	96	0.48931	0.00510		
Total	215	3.97919			

Table S3. Repeated Measures ANOVA Table for PAR on the Cerro Seco study site, Valles Caldera National Preserve, New Mexico.

Treatment = Control/Thin-burned; Period = Pre-thinning/Post-thinning/Post-burning; Season = Fall/Winter/Spring/Summer.

Subject = Replicate weekly means of variable tested.

Source	DF	SS	MS	F	P
Treatment (A)	1	1108937	1108937	1292.05	0.0000
Subject (B)					
Error A*B	16	13732	858		
Period (C)	2	703394	351697	603.02	0.0000
A*C	2	565989	282995	485.22	0.0000
Error A*B*C	32	18663	583		
Season (D)	3	735929	245310	112.19	0.0000
A*D	3	105520	35173	16.09	0.0000
Error A*B*D	48	104952	2186		
C*D	6	69716	11619	29.59	0.0000
A*C*D	6	58601	9767	24.87	0.0000
Error A*B*C*D	96	37694	393		
Total	215	3523126			

Table S4. Repeated Measures ANOVA Table for mean wind speed on the Cerro Seco study site, Valles Caldera National Preserve, New Mexico.

Treatment = Control/Thin-burned; Period = Pre-thinning/Post-thinning/Post-burning; Season = Fall/Winter/Spring/Summer.

Subject = Replicate weekly means of variable tested.

Source	DF	SS	MS	F	P
Treatment (A)	1	7.5655	7.56546	474.23	0.0000
Subject (B)					
Error A*B	16	0.2553	0.01595		
Period (C)	2	5.2590	2.62950	272.01	0.0000
A*C	2	2.6057	1.30285	134.78	0.0000
Error A*B*C	32	0.3093	0.00967		
Season (D)	3	2.0291	0.67636	58.49	0.0000
A*D	3	0.3519	0.11730	10.14	0.0000
Error A*B*D	48	0.5551	0.01156		
C*D	6	0.6611	0.11018	15.93	0.0000
A*C*D	6	0.2229	0.03715	5.37	0.0001
Error A*B*C*D	96	0.6639	0.00692		
Total	215	20.4787			

Table S5. Repeated Measures ANOVA Table for maximum wind speed on the Cerro Seco study site, Valles Caldera National Preserve, New Mexico. Treatment = Control/Thin-burned; Period = Pre-thinning/Post-thinning/Post-burning; Season = Fall/Winter/Spring/Summer. Subject = Replicate weekly means of variable tested.

Source	DF	SS	MS	F	P
Treatment (A)	1	81.987	81.9868	958.22	0.0000
Subject (B)					
Error A*B	16	1.369	0.0856		
Period (C)	2	100.136	50.0682	797.93	0.0000
A*C	2	28.889	14.4446	230.20	0.0000
Error A*B*C	32	2.008	0.0627		
Season (D)	3	24.166	8.0553	93.12	0.0000
A*D	3	2.098	0.6994	8.09	0.0002
Error A*B*D	48	4.152	0.0865		
C*D	6	5.149	0.8581	18.74	0.0000
A*C*D	6	1.467	0.2446	5.34	0.0001
Error A*B*C*D	96	4.396	0.0458		
Total	215	255.818			