Supplementary material

Table S1: Summary pollen data for eight co-located passive samplers (A1, A2-D1, D2) and one Burkard spore trap. Passive samplers collected for 14 days each; The Burkard spore trap collected 24-hour samples, which were averaged over each two-week interval.

Sampling period	Avg. Daily Air Temperature (°C)	Avg. Burkard Conc. (grains m^{-3})	Passive Sampler Concentration (grains m^{-3})									% CV	Avg. % Difference
			A1	A2	B1	B2	C1	C2	D1	D2	Avg.		
8/25-9/09	21	270	217	197	204	176	188	158	202	112	182	18	40
9/09-9/23	15	37	41	37	50	30	32	28	29	26	34	24	20
9/23-10/7	14	27	22	20	27	31	21	15	20	18	22	24	28
10/7-10/21	11	21	19	22	15	16	19	n/a	20	20	19	14	14

Table S2: Summary pollen data for two co-located passive samplers and one Burkard spore trap. Passive samplers collected for 5 days each; The Burkard spore trap collected 24-hour samples, which were averaged over each five-day interval. Precision was assessed by calculating the coefficient of variation between passive samplers, and accuracy was assessed by calculating the percent difference between the average passive concentration and average Burkard concentration over each sampling period.

Sampling period	Avg. Daily Air Temperature (°C)	Avg. Burkard conc. (grains m^{-3})	Passive sampler concentration (grains m^{-3}, five-day average)			% CV	% Difference
			Sampler 1	Sampler 2	Avg,		
4/16-4/21	8.3	206	108	107	108	0.20	63
4/17-4/22	6.5	182	70	n/a	70	n/a	90
4/18-4/23	6.0	121	108	58	83	43	37
4/19-4/24	5.3	71	60	n/a	60	n/a	16
4/20-4/25	6.2	82	81	76	78	5.1	4.4
4/21-4/26	7.8	117	129	93	111	23	5.6
4/22-4/27	12	242	213	323	268	29	10
4/23-4/28	14	418	469	379	424	15	1.4
4/24-4/29	16	545	470	577	523	15	4.0
4/25-4/30	17	606	681	816	749	13	21
5/1-5/6	17	705	302	466	384	30	59
5/6-5/11	9.8	314	179	249	214	23	38
5/11-5/16	12	363	404	263	334	30	8.5

Table S3: Regression analysis summary of Spring 2021 data.

	Slope	Intercept
Value	0.89	-9.5
Test statistic	6.0	-0.17
Standard error	0.15	54
P-value	9.3e-05	0.87
Confidence interval	(0.56-1.2)	(-129, 110)