Appendix 1.
Composition and Comparisons of Pollen Rain and Pollen Loads of Black-polled Yellowthroat (*Geothlypis speciosa*) and Common Yellowthroat (*G. trichas*) from Lake Cuitzeo, Mexico.

Table A1.1. Relative frequency (mean ± *SE*) of pollen taxa in pollen rain and pollen loads in Black-polled Yellowthroat (BPY) and Common Yellowthroat (CY) from Lake Cuitzeo, Mexico, pooled for the study period.

	Pollen rain (*N* = 18)	BPY (*N* = 22)	CY (*N* = 34)
Secondary:			
Cistaceae	0	0.0218 ± 0.0121	0.0157 ± 0.0109
Asteraceae	0.1129 ± 0.0185	0.1251 ± 0.0246	0.1023 ± 0.0175
Convolvulaceae	0	0.0023 ± 0.0014	0.0029 ± 0.0014
Euphorbiaceae	0.0034 ± 0.0021	0.0463 ± 0.0174	0.0409 ± 0.0131
Poaceae	0.6160 ± 0.0297	0.3995 ± 0.0649	0.3175 ± 0.0424
Solanaceae	0.0030 ± 0.0019	0.0158 ± 0.0047	0.0072 ± 0.0029
Lamiaceae	0	0.0082 ± 0.0037	0.0075 ± 0.0026
Nyctaginaceae	0	0	0.0042 ± 0.0038
Onagraceae	0	0.0339 ± 0.0097	0.0357 ± 0.0119
Arboreal:			
Anacardiaceae	0.0036 ± 0.0028	0.0128 ± 0.0067	0.0072 ± 0.0026
Fabaceae	0.0899 ± 0.0172	0.0276 ± 0.0077	0.0292 ± 0.0080
Malghipiaceae	0	0.0026 ± 0.0026	0.0052 ± 0.0052
Mimosoideae	0.0121 ± 0.0034	0.0118 ± 0.0118	0.0009 ± 0.0006
Myricaceae	0	0.0027 ± 0.0022	0.0030 ± 0.0019
Myrthaceae	0.0048 ± 0.0027	0.0157 ± 0.0064	0.0081 ± 0.0036
Sapotaceae	0.0009 ± 0.0009	0.0006 ± 0.0006	0.0108 ± 0.0101
Urticaceae	0.0039 ± 0.0023	0	0
Boraginaceae	0.0011 ± 0.0006	0.0102 ± 0.0042	0.0200 ± 0.0086
Aquatic:			
Araceae	0	0.0596 ± 0.0234	0.1044 ± 0.0260
Begonia	0	0.0115 ± 0.0065	0.0197 ± 0.0070
Chenopodiaceae	0.0004 ± 0.0004	0.0075 ± 0.0033	0.0075 ± 0.0032
Peperomia	0.0210 ± 0.0100	0.1216 ± 0.0285	0.1862 ± 0.0252
Typha	0.0406 ± 0.0103	0.0362 ± 0.0148	0.0275 ± 0.0123

Table A1.2. Inter-season (rainy season, June-September; dry season, October-May) comparison of pollen composition in pollen rain and feathers from Lake Cuitzeo, Mexico (Mann-Whitney *U* exact tests $\propto 0.05$). Values represent relative frequency of pollen (mean ± *SE*).

	Pollen rain			Black-polled Yellowthroat			Common Yellowthroat		
	Rainy	Dry	P-value	Rainy	Dry	P-value	Rainy	Dry	P-value
Vegetation type:									
Secondary	0.78 ± 0.01	0.70 ± 0.01	0.002	0.93 ± 0.02	0.49 ± 0.06	0.000	0.94 ± 0.01	0.42 ± 0.04	0.000
Arboreal	0.16 ± 0.01	0.24 ± 0.01	0.001	0.06 ± 0.02	0.14 ± 0.02	0.059	0.05 ± 0.01	0.14 ± 0.02	0.019
Aquatic	0.06 ± 0.01	0.06 ± 0.01	0.945	0	0.37 ± 0.06	0.000	0	0.43 ± 0.05	0.000
Main (> 5%) pollen taxa:									
Asteraceae	0.05 ± 0.01	0.16 ± 0.01	0.001	0.13 ± 0.04	0.12 ± 0.03	0.726	0.14 ± 0.03	0.09 ± 0.02	0.164
Euphorbiaceae	0.01 ± 0.00	0	0.070	0.02 ± 0.00	0.06 ± 0.03	0.694	0.02 ± 0.01	0.05 ± 0.02	0.814
Poaceae	0.71 ± 0.02	0.53 ± 0.02	0.001	0.70 ± 0.06	0.23 ± 0.06	0.000	0.63 ± 0.02	0.24 ± 0.04	0.001
Onagraceae	0	0	1.000	0.07 ± 0.02	0.01 ± 0.01	0.006	0.14 ± 0.03	0.01 ± 0.002	0.000
Araceae	0	0	1.000	0	0.09 ± 0.03	0.057	0	0.13 ± 0.03	0.039
Peperomia	0.04 ± 0.01	0	0.021	0	0.19 ± 0.03	0.000	0	0.23 ± 0.02	0.000
Typha	0.01 ± 0.01	0.06 ± 0.01	0.005	0	0.06 ± 0.02	0.007	0	0.03 ± 0.01	0.146

Table A1.3. Intra-season comparisons between pollen rain (PR) and pollen loads of Black-polled Yellowthroat (BPY) and Common Yellowthroat (CY), using Kruskal-Wallis ANOVA (x^2_2; *P*-value), and post-hoc Dunn-Bonferroni pairwise tests when applicable (*z*-test-statistic; *P*-value).

	Rainy season (June-September)							Dry season (October-May)						
	Kruskal-Wallis		Dunn-Bonferroni		Similitude†			Kruskal-Wallis		Dunn-Bonferroni		Similitude†		
			BPY	CY	PR	BPY	CY			BPY	CY	PR	BPY	CY
Vegetation type:														
Secondary	12.288; 0.002	PR BPY	-10.625; 0.005	-10.357; 0.008 0.268; 1.000	A	B	B	10.383; 0.006	PR BPY	15.786; 0.045	19.116; 0.004 3.331; 1.000	A	B	B
Arboreal	10.200; 0.006	PR BPY	9.458; 0.014	9.690; 0.015 0.232; 1.000	A	B	B	7.792; 0.020	PR BPY	15.750; 0.045	16.087; 0.020 0.337; 1.000	A	B	B
Aquatic	15.262; 0.000	PR BPY	8.750; 0.001	8.750; 0.002 0.000; 1.000	A	B	B	12.818; 0.002	PR BPY	-17.571; 0.020	-21.238; 0.001 -3.667; 1.000	A	B	B
Main taxa (> 5% of pollen loads):														
Asteraceae	3.126; 0.172				A	A	A	2.927; 0.231				A	A	A
Euphorbiaceae	0.686; 0.710				A	A	A	4.802; 0.091				A	A	A
Poaceae	4.631; 0.099				A	A	A	10.512; 0.005	PR BPY	19.393; 0.008	18.008; 0.007 -1.385; 1.000	A	B	B
Onagraceae	13.280; 0.001	PR BPY	-7.625; 0.061	0.000; 0.001 0.139; 0.418	A	AB	B	4.527; 0.104				A	A	A
Araceae	0.000; 1.000				A	A	A	5.144; 0.076				A	A	A
Peperomia	11.602; 0.003	PR BPY	7.000; 0.007	7.000; 0.009 0.000; 1.000	A	B	B	14.225; 0.001	PR BPY	-17.250; 0.022	-22.167; 0.000 -4.917; 0.844	A	B	B
Typha	5.250; 0.072				A	A	A	8.788; 0.012	PR BPY	8.714; 0.462	15.799; 0.014 7.085; 0.310	A	AB	B

† Different letters indicate significant intra-season differences between media (see Table 2 for frequency values).

Fig. A1.1. Boxplots of pollen rain and pollen loads of Black-polled Yellowthroat (*Geothlypis speciosa*) and Common Yellowthroat (*G. trichas*). Y-axis represent relative frequency values; boxes show the inter-quartile range, the bar in the box shows the median and the x the mean; dots represent outliers. (A), secondary vegetation; (B), arboreal vegetation; (C), aquatic vegetation.

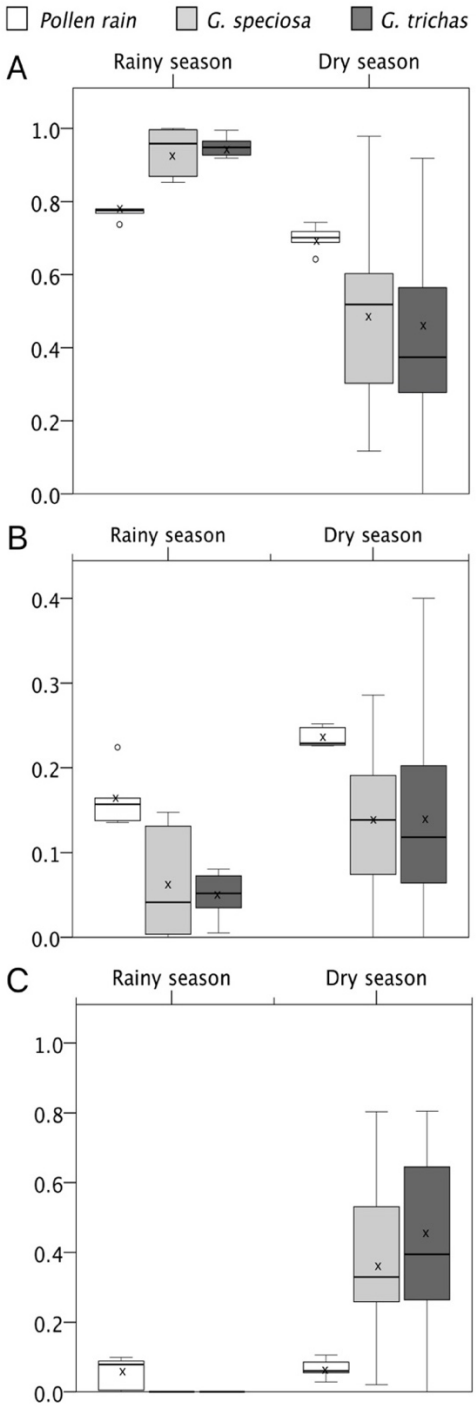

Fig. A1.2. Equitability values (bars represent 95% CI) of pollen loads (all taxa) in Black-polled Yellowthroat (BPY) and Common Yellowthroat (CY).