

Supplementary material

Appendix 1

Table A1. Temperature, precipitation and insect abundance data from our study site in western Massachusetts, USA, from 2014-2016. Temperature data represent monthly means taken from daily mean, maximum and minimum temperatures (°C). Precipitation is the total precipitation (mm) for each month, the total is the semiannual sum. Insect abundance data is the mean daily dry mass (mg) of insects collected; the number of days that samples were collected each month is given in parentheses.

Year	Month	Mean temperature (°C)	Maximum temperature (°C)	Minimum temperature (°C)	Total precipitation (mm)	Mean insect dry mass (mg)
2014	January	-4.69	-0.30	-8.96	77.6	
	February	-3.79	0.45	-7.80	85.2	
	March	-0.47	4.78	-5.82	73.3	
	April	9.12	15.38	3.13	105.4	
	May	15.63	21.36	9.91	197.4	43.12 (13)
	June	21.02	27.22	14.78	49.8	67.56 (30)
	July	22.89	28.94	17.53	183.3	29.50 (2)
	Mean/total	8.53	13.98	3.25	772	2026.7 (45)

2015	January	-5.61	-1.59	-10.01	84.5	
	February	-8.51	-3.38	-14.10	46.1	
	March	0.06	4.97	-4.88	52.9	
	April	9.21	14.66	3.62	70.4	
	May	18.83	26.26	11.50	9.7	47.11 (11)
	June	19.39	24.93	13.92	213.9	58.59 (30)
	July	22.94	29.05	17.33	107.2	150.86 (9)
	Mean/total	8.04	13.56	2.48	584.7	1757.6 (50)
2016	January	-1.42	2.60	-5.46	35.9	
	February	-0.33	4.71	-5.35	110.2	
	March	5.96	11.72	1.24	65.8	
	April	9.19	15.27	2.76	48.1	
	May	16.07	21.75	10.30	57.1	60.02 (5)
	June	21.31	27.75	14.83	59.2	85.67 (30)
	July	24.43	31.07	17.92	86.5	49.84 (14)
	Mean/total	10.74	16.41	5.18	462.8	2570.1 (49)

Table A2. Descriptive statistics and effect of treatment group on metrics of nestling condition.

Fumigated nests with blowflies and sham-fumigated nests without blowflies were excluded from these analyses. Hemoglobin values were significantly different between the two groups ($\chi^2 = 28.44$, $p < 0.001$) as indicated by *****. None of the other comparisons between unparasitized fumigated nests and parasitized sham-fumigated nests were significant ($p > 0.20$ for all).

	Unparasitized Fumigated Nests				
	Mean	Median	Range	SE	n
Hemoglobin *****	12.32	12.27	9.07 - 15.67	0.09	199
Body Mass	19.39	19.85	6.73 - 27.65	0.19	275
Feather Length	36.91	37.4	14.0 - 54.3	0.47	277
Fledging Success	0.68	0.8	0 - 1	0.04	84

	Parasitized Sham-Fumigated nests				
	Mean	Median	Range	SE	n
Hemoglobin *****	10.92	11.3	3.77 - 15.60	0.15	193
Body Mass	19.65	20.05	6.54 - 28.03	0.22	264
Feather Length	37.85	39	16.4 - 52.1	0.43	265
Fledging Success	0.71	0.82	0 - 1	0.04	70

Figure A1. Modified Rothamsted-style suction trap used to collect daily samples of aerial insects (see also Macauley et al. 1988).

