



Supplementary Online Material for REPRODUCTIVE SUCCESS OF EASTERN BLUEBIRDS (*SIALA SIALIS*) ON SUBURBAN GOLF COURSES

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APPENDIX 1. Model-averaged beta estimates, variance, and 95% lower and upper confidence limits (CL) for predictors of date of clutch initiation, including year, predator guard (PG), and habitat (golf course or reference).

Parameter	Beta	Variance	95% CL	
			Lower	Upper
Intercept	20.27	3.48	16.61	23.92
2003	-2.66	2.00	-5.43	0.12
2004	0.79	1.75	-1.80	3.38
2005	-0.47	1.22	-2.63	1.69
2006	0.32	1.08	-1.72	2.36
2007	-2.83	1.51	-5.24	-0.43
2008	-4.36	0.53	-5.79	-2.94
PG	-0.07	2.39	-3.10	2.96
Habitat	0.02	1.05	-1.98	2.03
Habitat*2003	0.06	0.27	-0.96	1.08
Habitat*2004	-0.11	0.86	-1.93	1.70
Habitat*2005	-0.01	0.06	-0.50	0.48
Habitat*2006	0.03	0.12	-0.64	0.70
Habitat*2007	0.02	0.12	-0.64	0.69
Habitat*2008	0.03	0.08	-0.54	0.60
PG*habitat	0.18	0.74	-1.50	1.86

APPENDIX 2. Beta estimates and 95% lower and upper confidence limits (CL) for predictors of clutch size and brood size, including year, clutch initiation date (CID), predator guard (PG), and habitat (golf course or reference).

Parameter	Beta	Clutch size		Brood size		
		95% CL		95% CL		
		Lower	Upper	Beta	Lower	Upper
Intercept	1.60	1.57	1.63	1.44	1.38	1.50
2003	-0.06	-0.09	-0.03	-0.01	-0.08	0.05
2004	0.03	-0.01	0.08	0.01	-0.02	0.05
2005	-0.02	-0.05	0.01	-0.01	-0.09	0.07
2006	0.01	-0.01	0.04	0.05	-0.04	0.14
2007	-0.01	-0.05	0.02	-0.04	-0.09	0.02
2008	-0.02	-0.04	0.01	-0.05	-0.11	0.01
CID	0.00	0.00	0.00	0.00	0.00	0.00
PG	0.01	-0.01	0.03	0.03	-0.01	0.07
Habitat	-0.03	-0.06	0.01	-0.03	-0.08	0.03
Habitat*2003	0.05	0.01	0.09	0.04	-0.03	0.11
Habitat*2004	0.03	-0.03	0.08	0.11	0.05	0.18
Habitat*2005	0.04	0.00	0.07	0.05	-0.03	0.13
Habitat*2006	0.07	0.03	0.10	0.08	-0.02	0.17
Habitat*2007	0.04	-0.01	0.08	0.11	0.02	0.19
Habitat*2008	0.01	-0.02	0.04	0.05	-0.02	0.13

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APPENDIX 3. Model-averaged beta estimates, variance, and 95% lower and upper confidence limits (CL) for predictors of hatching success including year, clutch initiation date (CID), predator guard (PG), and habitat (golf course or reference).

Parameter	Beta	Variance	95% CL	
			Lower	Upper
Intercept	0.70	0.07	0.20	1.20
2003	0.01	0.02	-0.24	0.25
2004	0.47	0.04	0.07	0.87
2005	0.19	0.04	-0.19	0.58
2006	0.39	0.06	-0.11	0.88
2007	0.24	0.02	-0.03	0.50
2008	0.36	0.01	0.15	0.57
CID	0.00	0.00	0.00	0.00
PG	0.30	0.03	-0.06	0.66
Habitat	0.12	0.04	-0.29	0.53
Habitat*2003	0.00	0.00	-0.05	0.05
Habitat*2004	0.01	0.01	-0.15	0.16
Habitat*2005	0.00	0.00	-0.09	0.09
Habitat*2006	0.01	0.01	-0.19	0.21
Habitat*2007	0.00	0.00	-0.08	0.09
Habitat*2008	0.00	0.00	-0.07	0.07
PG*habitat	-0.02	0.01	-0.23	0.19

APPENDIX 4. Model-averaged beta estimates, variance, and 95% lower and upper confidence limits (CL) for predictors of brood success, including year, clutch initiation date (CID), predator guard (PG), and habitat (golf course or reference).

Parameter	Beta	Variance	95% CL	
			Lower	Upper
Intercept	0.88	0.23	-0.07	1.83
2003	0.00	0.05	-0.44	0.44
2004	0.56	0.11	-0.09	1.22
2005	-0.32	0.03	-0.68	0.04
2006	0.47	0.08	-0.08	1.02
2007	0.28	0.07	-0.23	0.79
2008	0.01	0.10	-0.59	0.62
CID	0.01	0.00	0.00	0.01
PG	0.19	0.12	-0.50	0.87
Habitat	0.00	0.19	-0.86	0.86
Habitat*2003	0.00	0.00	0.00	0.00
Habitat*2004	0.00	0.00	0.00	0.00
Habitat*2005	0.00	0.00	0.00	0.00
Habitat*2006	0.00	0.00	0.00	0.00
Habitat*2007	0.00	0.00	0.00	0.00
Habitat*2008	0.00	0.00	0.00	0.00
PG*habitat	0.24	0.25	-0.74	1.22

APPENDIX 5. Model-averaged beta estimates, variance, and 95% lower and upper confidence limits (CL) for predictors of fledging success, including year, clutch initiation date (CID), predator guard (PG), and habitat (golf course or reference).

Parameter	Beta	Variance	95% CL	
			Lower	Upper
Intercept	-0.19	0.07	-0.69	0.32
2003	0.05	0.02	-0.21	0.31
2004	0.45	0.07	-0.06	0.96
2005	-0.13	0.02	-0.41	0.15
2006	0.49	0.05	0.07	0.91
2007	0.31	0.02	0.00	0.61
2008	0.08	0.02	-0.23	0.38
CID	0.00	0.00	0.00	0.01
PG	0.36	0.04	-0.03	0.75
Habitat	0.12	0.04	-0.30	0.53
Habitat*2003	0.00	0.00	-0.06	0.06
Habitat*2004	0.01	0.01	-0.21	0.23
Habitat*2005	0.00	0.00	-0.09	0.10
Habitat*2006	0.01	0.01	-0.20	0.22
Habitat*2007	0.00	0.00	-0.07	0.07
Habitat*2008	0.00	0.00	-0.08	0.09
PG*habitat	0.03	0.02	-0.22	0.28

APPENDIX 6. Model-averaged beta estimates and 95% lower and upper confidence limits (CL) for predictors of nest productivity, including year, clutch initiation date (CID), predator guard (PG), and habitat (golf course or reference).

Parameter	Beta	Variance	95% CL	
			Lower	Upper
Intercept	1.03	0.01	0.81	1.25
2003	0.03	0.00	-0.06	0.13
2004	0.12	0.01	-0.07	0.31
2005	-0.05	0.00	-0.16	0.06
2006	0.19	0.00	0.07	0.31
2007	0.10	0.00	-0.03	0.24
2008	-0.01	0.00	-0.14	0.11
CID	0.00	0.00	0.00	0.00
PG	0.09	0.00	-0.03	0.22
Habitat	0.10	0.01	-0.05	0.25
Habitat*2003	0.00	0.00	-0.06	0.05
Habitat*2004	0.02	0.01	-0.15	0.19
Habitat*2005	0.01	0.00	-0.07	0.08
Habitat*2006	0.00	0.00	-0.07	0.07
Habitat*2007	0.00	0.00	-0.07	0.07
Habitat*2008	0.01	0.00	-0.07	0.09
PG*habitat	0.01	0.00	-0.08	0.10