

**Appendix S1.-** List of studies included in the meta-analysis based only on carcass searches.  $\ln R$  = natural logarithm of the response ratio;  $V_{\ln R}$  = variance of  $\ln R$ ; ‘Region’= where the study was carried out; ‘Habitat’= a general idea of the habitat from the study area; ‘Marker’= kind of marker used.

<b>Study</b>	<b><math>\ln R</math></b>	<b><math>V_{\ln R}</math></b>	<b>Region</b>	<b>Habitat</b>	<b>Marker</b>
Alonso et al. 1994 BACI	-0.92	1.0	W Spain	Crops and scrubland	Red spirals
Alonso et al. 1994 parallel	-0.08	1.0	W Spain	Crops and scrubland	Red spirals
Anderson 2002 BFD BACI	-0.98	1.0	North South Africa	Arid scrubland	Bird flight diverter (BFD)
Anderson 2002 BFD	0.35	1.0	North South Africa	Arid scrubland	Large BFD
Anderson 2002 BFD 20m	0.69	1.0	North South Africa	Arid scrubland	Large BFD every 20m
Anderson 2002 BFD 10m	0.34	1.0	North South Africa	Arid scrubland	Large BFD every 10m
Anderson 2002 BF 20m	-0.75	1.0	North South Africa	Arid scrubland	Bird flapper every 20m
Anderson 2002 BF 10m	0.16	1.0	North South Africa	Arid scrubland	Bird flapper every 10m
Brauneis et al. 2003 flabby-formed	-3.50	1.0	Central Germany	Meadows and forest	Flabby-formed
Brauneis et al. 2003 star-formed	-5.06	1.0	Central Germany	Meadows and forest	Star-formed
Brown & Drewien 1995 dampers	0.44	1.0	Colorado, USA	Wetlands	Spiral vibration dampers
Brown & Drewien 1995 plates	0.61	1.0	Colorado, USA	Wetlands	Fiberglass swinging plates
Calabuig & Ferrer 2009 orange spirals	-0.31	1.0	SW Spain	Crops	Orange spirals
Calabuig & Ferrer 2009 yellow spirals	-0.12	1.0	SW Spain	Crops	Yellow spirals
Calabuig & Ferrer 2009 white spirals	-0.31	1.0	SW Spain	Crops	White spirals
Calabuig & Ferrer 2009 crosses	-1.51	1.0	SW Spain	Crops	Crossed bands
Crowder 2000 BFD	-0.98	1.0	Indiana USA	Wetlands	BFD
Crowder 2000 SFD	1.61	1.0	Indiana USA	Wetlands	Swan flight diverters (SFD)
De la Zerda & Rosselli 2003 BACI	1.09	1.0	North Colombia	Wetlands	Spirals
De la Zerda & Rosselli 2003 Parallel	-0.87	1.0	North Colombia	Wetlands	Spirals
Frost 2008 SFD	-3.69	1.0	SE England	Wetlands	SFD
Janss & Ferrer 1998 spirals BACI	0.00	1.0	SW Spain	Crops and scrubland	Spirals
Janss & Ferrer 1998 crossed bands BACI	-0.89	1.0	SW Spain	Crops	Crossed bands
Janss & Ferrer 1998 stripes BACI	1.58	1.0	SW Spain	Wetlands	Thin plastic strips

Janss & Ferrer 1998 spirals parallel	-0.55	1.0	SW Spain	Crops and scrubland	Spirals
Janss & Ferrer 1998 crossed bands parallel	-1.43	1.0	SW Spain	Crops	Crossed bands
Janss & Ferrer 1998 stripes parallel	-0.69	1.0	SW Spain	Wetlands	Thin plastic stripers
Koops & de Jong 1982 spirals 5m BACI	-1.61	1.0	The Netherlands	Wetlands	Small spirals every 5m
Koops & de Jong 1982 spirals 10m BACI	-0.80	1.0	The Netherlands	Wetlands	Small spirals every 10m
Koops & de Jong 1982 large spirals BACI	-0.25	1.0	The Netherlands	Wetlands	Large spirals
Koops & de Jong 1982 spirals 5m parallel	-1.55	1.0	The Netherlands	Wetlands	Small spirals every 5m
Koops & de Jong 1982 spirals 10m parallel	-0.19	1.0	The Netherlands	Wetlands	Small spirals every 10m
Koops & de Jong 1982 large spirals parallel	-1.36	1.0	The Netherlands	Wetlands	Large spirals
Lorenzo & Cabrera 2009 crossed bands	-0.28	1.0	Canary Islands, Spain	Arid scrubland	Crossed bands
Lorenzo & Cabrera 2009 large spiral	-9.17	1.0	Canary Islands, Spain	Arid scrubland	Large spirals
Lorenzo & Cabrera 2009 small spiral	-1.02	1.0	Canary Islands, Spain	Arid scrubland	Small spirals
Morkill & Anderson 1991	-0.82	1.0	Nebraska, USA	Wetlands	Yellow aviation balls
Murphy et al. 2009	-1.06	1.0	Nebraska, USA	Wetlands	Fire flight diverters
Onrubia et al. 1996	-6.18	1.0	Central Spain	Crops	Small spirals
Pelayo & Sampietro 1994	-0.02	1.0	NE Spain	Crops and scrubland	Small spirals
Savereno et al. 1996	0.82	1.0	South Carolina, USA	Wetlands	Yellow aviation balls
Scott et al. 1992 clipped strips BACI	0.29	1.0	SE England	Coast	Clipped strips
Scott et al. 1992 wrapped bands BACI	-0.58	1.0	SE England	Coast	Wrapped bands
Scott et al. 1992 clipped strips parallel	-0.55	1.0	SE England	Coast	Clipped strips
Scott et al. 1992 wrapped bands parallel	-0.84	1.0	SE England	Coast	Wrapped bands
Shaw JM 2009	1.00	1.0	South South Africa	Pastureland and crops	Several
Stake 2009 BFD	-0.56	1.0	California, USA	Wetlands	BFD
Stake 2009 SFD	-0.54	1.0	California, USA	Wetlands	SFD
Sudmann 2000 a	-2.05	1.0	NE Germany	Wetlands	Two different
Sudmann 2000 b	-1.73	1.0	NE Germany	Wetlands	Two different
Yee 2007 BACI	-0.41	1.0	California, USA	Wetlands	Fire flight diverters
Yee 2007 Parallel	-1.39	1.0	California, USA	Wetlands	Fire flight diverters