

Supplementary file. Prey items detected for the Red-backed Shrike in Denmark during 2001-2009. For sampling details, see footnote and text. # fam. = number of families, # spc. = number of species and # ind. = number of individuals for each prey-item category.

Research area	Hulsig Hede 2001			Hulsig Hede 2002						Hulsig Hede 2003			Hulsig Hede 2004			Hulsig Hede 2005			Hulsig Hede 2007			Hulsig Hede 2008			Gribskov 2008			Gribskov 2009		
Sampling year	4			5			3			3			6			4			7			3			3			21		
# examined pairs	early July			mid June - early Aug.			mid June - early Aug.			mid June - end July			end June - July			July			mid July - early Aug.			July			July			July, Sep., Jan.		
Field-work period	P			P			NO			NO			P			P			P+NF			P+NF			NF			NF		
Method(s) used ¹	J+A			N+J+A			N			N			N+A			N+J+A			N+J+A			N			N			N		
Age class ²	J+A			N+J+A			N			N			N+A			N+J+A			N+J+A			N			N			N		
PREY ORDER	# fam.	# spc.	# ind.	# fam.	# spc.	# ind.	# fam.	# spc.	# ind.	# fam.	# spc.	# ind.	# fam.	# spc.	# ind.	# fam.	# spc.	# ind.	# fam.	# spc.	# ind.	# fam.	# spc.	# ind.	# fam.	# spc.	# ind.	# fam.	# spc.	# ind.
Beetles (Coleoptera)	8	24	111	9	26	474	6	11	834	5	9	895	5	11	39	12	28	223	12	31	230	6	11	53	6	11	66	11	40	531
Bees, wasps and ants (Hymenoptera)	5	13	146	5	15	313	7	13	339	4	10	197	6	9	110	5	9	234	7	9	338	4	5	40	4	4	22	6	12	407
Bugs (Hemiptera)	1	1	8	1	2	26				2	2	3	1	1	4	1	2	11	2	3	174	1	1	1	1	1	1	1	1	16
Flies (Diptera)	1	1	3	2	3	12	7	11	77	6	12	115	1	1	1	1	1	1	1	1	2									
Grasshoppers (Orthoptera)	1	1	1	1	1	9	2	3	191	2	4	141	2	2	6	2	2	3	2	2	10	2	2	17	2	2	8	2	2	61
Dragonflies (Odonata)	1	2	22	3	4	19	3	6	52	3	6	42				1	1	1	3	3	4	2	2	2				2	3	7
Butterflies (Lepidoptera)	1	1	1	2	3	21	11	26	648	11	16	939	1	1	1	2	2	7												
Spiders (Araneae)	1	1	3	1	1	9	8	11	341	6	9	307	1	1	1	1	1	4	1	1	2				1	1	4	1	1	23
Harvestmen (Opiliones)				1	1	2	1	1	17	1	1	5																		
Earwigs (Dermaptera)				1	1	2	1	1	1							1	1	9	1	1	27							1	1	2
Sow bugs (Isopoda)							1	1	18	1	1	23																		
Lung snails (Pulmonata)							1	1	1																			1	1	6
Unidentified invertebrates									221			124			4			5												
Invertebrates, total	19	44	295	26	57	887	48	85	2740	41	70	2791	17	26	166	26	47	498	29	51	787	15	21	113	14	19	101	25	61	1053
Shrews (Insectivora) or mice (Rodentia)	1	2	4	1	1	4	1	1	6	1	1	8	1	1	1				1	1	4				1	1	1	2	3	16
Lizards (Squamata)				1	1	10	1	2	100	1	1	82	1	1	1	1	1	8	1	1	11	1	1	5	1	1	1	1	1	5
Frogs (Anura)							1	1	2	1	1	1																		
Songbirds (Passeriformes)													1	1	1															
Unidentified vertebrates									145			77			1			3			1									
Vertebrates, total³	1	2	4	2	2	14	3	4	253	3	3	168	3	3	4	1	1	11	2	2	16	1	1	5	2	2	2	3	4	21

¹ NF = fragment sorting from nests, NO = nest observations, P = pellet analysis

² N = nestlings (including young fledglings in case of pellet analysis), J = juveniles (more or less independent), A = adult birds

³ in case of nest observations numbers are based on deliveries, not necessarily on whole animals