

Supplementary Information

Food profile of Grey Wagtail *Motacilla cinerea* during an annual cycle in the Algerian Babors Mountains of North Africa

Roza Belkacem, Abdelazize F Bougaham, Mohammed Gagaoua and Riadh Moulai

Ostrich 2019, 90(1) : 45–52. <https://doi.org/10.2989/00306525.2018.1543214>

Appendix 1: Inventory of prey taxa consumed by the Grey Wagtail during an annual cycle and their seasonal distributions in the region of the Babors Mountains. $F_o\%$ = Occurrence frequency, $F_c\%$ = centesimal frequencies, A = aquatic prey, T = terrestrial prey, und. = undetermined

Prey taxa	Life habitat of prey taxa	Spring		Summer		Autumn		Winter		Global diet	
		$F_o\%$	$F_c\%$	$F_o\%$	$F_c\%$	$F_o\%$	$F_c\%$	$F_o\%$	$F_c\%$	$F_o\%$	$F_c\%$
<i>Gasteropoda</i> sp. und.	A	4.44	0.51	-	-	-	-	2.22	0.22	1.67	0.20
<i>Araneae</i> sp. 1 und.	T	-	-	-	-	13.33	1.67	4.44	0.44	4.44	0.52
<i>Araneae</i> sp. 2 und.	T	75.56	8.61	82.22	11.28	66.67	8.36	42.22	4.20	66.67	7.82
<i>Araneae</i> sp. 3 und.	T	2.22	0.25	8.89	1.22	4.44	0.56	2.22	0.22	4.44	0.52
<i>Araneae</i> sp. 4 und.	T	44.44	5.06	37.78	5.18	15.56	1.95	2.22	0.22	25.00	2.93
<i>Araneae</i> sp. 5 und.	T	-	-	-	-	11.11	1.67	2.22	0.22	3.33	0.46
<i>Eylais</i> sp. und.	A	-	-	-	-	2.22	0.28	6.67	1.99	2.22	0.65
<i>Hydrachnidae</i> sp. und.	A	-	-	-	-	2.22	0.56	2.22	0.22	1.11	0.20
<i>Amphipoda</i> sp. 1 und.	A	-	-	-	-	-	-	2.22	0.22	0.56	0.07
<i>Amphipoda</i> sp. 2 und.	A	4.44	0.51	2.22	0.30	6.67	0.84	-	-	3.33	0.39
<i>Isopoda</i> sp. und.	A	4.44	0.51	-	-	-	-	-	-	1.11	0.13
<i>Asellidae</i> sp. und.	A	-	-	-	-	-	-	2.22	0.22	0.56	0.07
<i>Potamon</i> sp. und.	A	-	-	2.22	0.30	4.44	0.56	-	-	1.67	0.20
<i>Potamanthus</i> sp. und.	A	26.67	9.62	-	-	2.22	0.56	20.00	3.54	12.22	3.65
<i>Baetidae</i> sp. 1 und.	A	22.22	2.53	51.11	14.02	53.33	10.58	64.44	12.17	47.78	9.71
<i>Baetidae</i> sp. 2 und.	A	-	-	-	-	2.22	0.28	2.22	0.22	1.11	0.13
<i>Leptophlebiidae</i> sp. und.	A	-	-	-	-	2.22	0.56	4.44	0.44	1.67	0.26
<i>Heptageniidae</i> sp. und.	A	6.67	0.76	8.89	1.22	-	-	-	-	3.89	0.46
<i>Cordulegaster</i> sp. und.	A	-	-	2.22	0.30	8.89	1.67	4.44	0.44	3.89	0.59
<i>Anisoptera</i> sp. und.	A	-	-	2.22	0.30	4.44	0.56	2.22	0.22	2.22	0.26
<i>Zygoptera</i> sp. und.	T	2.22	0.76	-	-	-	-	-	-	0.56	0.20
<i>Plecoptera</i> sp. 1 und.	A	2.22	0.25	-	-	2.22	0.28	-	-	1.11	0.13
<i>Plecoptera</i> sp. 2 und.	A	6.67	1.52	20.00	3.35	11.11	1.67	44.44	9.29	20.56	4.24
<i>Plecoptera</i> sp. 3 und.	A	4.44	0.51	6.67	1.83	2.22	0.28	8.89	1.33	5.56	0.98
<i>Plecoptera</i> sp. 4 und.	A	2.22	0.25	-	-	-	-	4.44	0.44	1.67	0.20
<i>Perloidea</i> sp. und.	A	4.44	0.76	6.67	0.91	2.22	0.28	-	-	3.33	0.46

<i>Chloroperlidae sp. und.</i>	A	-	-	2.22	0.30	-	-	4.44	0.44	1.67	0.20
<i>Chloroperla sp. und.</i>	A	2.22	0.25	-	-	-	-	-	-	0.56	0.07
<i>Protonemura sp. und.</i>	A	8.89	1.01	4.44	0.61	17.78	2.23	4.44	0.44	8.89	1.04
<i>Nemouroidae sp. und.</i>	A	-	-	-	-	2.22	0.28	-	-	0.56	0.07
<i>Blattoptera sp. und.</i>	T	2.22	0.25	-	-	2.22	0.28	-	-	1.11	0.13
<i>Hemiptera sp. 1 und.</i>	A	-	-	4.44	0.61	2.22	0.28	-	-	1.67	0.20
<i>Hemiptera sp. 2 und.</i>	A	-	-	4.44	0.61	2.22	0.28	-	-	1.67	0.20
<i>Plea sp. 1 und.</i>	A	-	-	6.67	0.91	-	-	4.44	0.44	2.78	0.33
<i>Plea sp. 2 und.</i>	A	-	-	4.44	0.61	8.89	1.39	-	-	3.33	0.46
<i>Plea sp. 3 und.</i>	A	-	-	-	-	15.56	1.95	4.44	0.44	5.00	0.59
<i>Plea sp. 4 und.</i>	A	-	-	-	-	4.44	0.56	4.44	0.44	2.22	0.26
<i>Plea sp. 5 und.</i>	A	-	-	-	-	13.33	1.67	11.11	1.11	6.11	0.72
<i>Gerridae sp. 1 und.</i>	A	2.22	0.51	4.44	0.61	-	-	-	-	1.67	0.26
<i>Gerridae sp. 2 und.</i>	A	4.44	0.51	-	-	2.22	0.28	2.22	0.22	2.22	0.26
<i>Miridae sp. und.</i>	T	2.22	0.25	-	-	-	-	-	-	0.56	0.07
<i>Corixidae sp. 1 und.</i>	A	2.22	0.25	4.44	0.30	4.44	0.56	-	-	2.78	0.26
<i>Corixidae sp. 2 und.</i>	A	-	-	-	-	4.44	0.56	-	-	1.11	0.13
<i>Notonecta sp. und.</i>	A	-	-	2.22	0.30	4.44	0.56	-	-	1.67	0.20
<i>Vellidae sp.</i>	A	-	-	2.22	0.30	-	-	-	-	0.56	0.07
<i>Coleoptera sp. 1 und.</i>	T	2.22	0.25	-	-	-	-	2.22	0.22	1.11	0.13
<i>Coleoptera sp. 2 und.</i>	T	20.00	10.13	-	-	4.44	1.39	26.67	6.19	12.78	4.76
<i>Carabidae sp. 1 und.</i>	T	2.22	0.25	4.44	0.61	11.11	1.39	-	-	4.44	0.52
<i>Carabidae sp. 2 und.</i>	T	2.22	0.25	-	-	2.22	0.28	-	-	1.11	0.13
<i>Carabidae sp. 3 und.</i>	T	-	-	2.22	0.30	-	-	-	-	0.56	0.07
<i>Carabidae sp. 5 und.</i>	T	2.22	0.25	6.67	0.91	-	-	2.22	0.22	2.78	0.33
<i>Carabinae sp. und.</i>	T	4.44	0.51	8.89	1.22	28.89	3.62	-	-	10.56	1.24
<i>Harpalinae sp. 1 und.</i>	T	2.22	0.51	13.33	1.83	-	-	-	-	2.22	0.26
<i>Harpalinae sp. 2 und.</i>	T	-	-	-	-	13.33	1.67	8.89	0.88	3.89	0.52
<i>Pterostichinae sp. und.</i>	T	-	-	-	-	2.22	0.28	-	-	5.56	0.65
<i>Carabus sp. und.</i>	T	-	-	-	-	6.67	0.84	2.22	0.22	0.56	0.07
<i>Dytiscidae sp. 1 und.</i>	A	-	-	-	-	2.22	0.28	2.22	0.22	1.11	0.13
<i>Dytiscidae sp. 2 und.</i>	A	-	-	4.44	0.61	2.22	0.28	2.22	0.22	2.22	0.26
<i>Dytiscidae sp. 3 und.</i>	A	6.67	0.76	-	-	6.67	0.84	8.89	0.88	5.56	0.65
<i>Dytiscidae sp. 4 und.</i>	A	2.22	0.25	6.67	0.91	2.22	0.28	6.67	0.66	4.44	0.52
<i>Dytiscidae sp. 5 und.</i>	A	2.22	0.25	-	-	2.22	0.28	-	-	1.11	0.13

<i>Oxythelinae sp. 6 und.</i>	T	-	-	2.22	0.30	4.44	0.56	-	-	1.67	0.20
<i>Elateridae sp. und.</i>	T	4.44	0.51	-	-	8.89	1.11	4.44	0.44	4.44	0.52
<i>Elmidae sp. und.</i>	A	4.44	0.51	-	-	-	-	-	-	1.11	0.13
<i>Geotrupes sp. und.</i>	T	13.33	1.52	8.89	1.22	2.22	0.28	-	-	6.11	0.72
<i>Nitidulidae sp. und.</i>	T	2.22	0.25	2.22	0.30	-	-	2.22	0.22	1.67	0.20
<i>Aphodius sp. und.</i>	T	2.22	0.25	-	-	-	-	4.44	0.44	1.67	0.20
<i>Onthophagus sp. und.</i>	T	-	-	2.22	0.30	-	-	2.22	0.22	1.11	0.13
<i>Chrysomelidae sp. 1 und.</i>	T	2.22	0.25	-	-	-	-	2.22	0.22	1.11	0.13
<i>Chrysomelidae sp. 2 und.</i>	T	2.22	0.25	-	-	-	-	-	-	0.56	0.07
<i>Chrysomelidae sp. 3 und.</i>	T	2.22	0.25	-	-	-	-	-	-	0.56	0.07
<i>Chrysomelidae sp. 4 und.</i>	T	2.22	0.25	2.22	0.30	4.44	0.56	-	-	2.22	0.26
<i>Chrysomelidae sp. 5 und.</i>	T	2.22	0.25	4.44	0.61	17.78	2.23	-	-	6.11	0.72
<i>Otiorrhynchus sp. und.</i>	T	-	-	-	-	2.22	0.28	2.22	0.22	1.11	0.13
<i>Curculionidae sp. 1 und.</i>	T	6.67	0.76	-	-	6.67	0.84	2.22	0.66	3.89	0.59
<i>Curculionidae sp. 2 und.</i>	T	-	-	2.22	0.30	4.44	0.56	-	-	1.67	0.20
<i>Cetoniidae sp. und.</i>	T	-	-	2.22	0.30	-	-	-	-	0.56	0.07
<i>Haliplidae sp. 1 und.</i>	A	2.22	0.25	2.22	0.30	4.44	0.56	4.44	0.44	3.33	0.39
<i>Haliplidae sp. 2 und.</i>	A	2.22	0.25	6.67	0.91	2.22	0.28	2.22	0.22	3.33	0.39
<i>Haliplidae sp. 3 und.</i>	A	2.22	0.25	-	-	2.22	0.28	4.44	0.88	2.22	0.39
<i>Haliplidae sp. 4 und.</i>	A	-	-	2.22	0.30	2.22	0.28	-	-	1.11	0.13
<i>Haliplidae sp. 5 und.</i>	A	-	-	-	-	6.67	0.84	-	-	1.67	0.20
<i>Halipus sp. und.</i>	A	17.78	2.03	24.44	3.35	17.78	2.23	8.89	0.88	17.22	2.02
<i>Hygrobiiidae sp. und.</i>	T	-	-	2.22	0.30	-	-	-	-	0.56	0.07
<i>Tenebrionidae sp. und.</i>	T	-	-	-	-	-	-	2.22	0.22	0.56	0.07
<i>Hydraenidae</i>	T	8.89	1.27	-	-	4.44	0.56	4.44	1.33	4.44	0.85
<i>Myrmeleontidae sp. und.</i>	T	-	-	6.67	0.91	-	-	-	-	1.67	0.20
<i>Gauropterus fulgidus</i>	T	-	-	-	-	-	-	2.22	0.22	0.56	0.07
<i>Hymenoptera sp. und.</i>	T	-	-	-	-	4.44	0.56	2.22	0.22	1.67	0.20
<i>Aphaenogaster testaceo-pilosa</i>	T	-	-	11.11	2.13	4.44	3.34	2.22	0.22	4.44	1.30
<i>Apidae sp. und.</i>	T	-	-	-	-	-	-	2.22	0.22	0.56	0.07
<i>Camponotus sp. 1 und.</i>	T	4.44	2.03	8.89	1.22	6.67	1.11	8.89	0.88	7.22	1.30
<i>Camponotus sp. 2 und.</i>	T	2.22	0.25	4.44	0.91	-	-	-	-	1.67	0.26
<i>Messor barbarus</i>	T	6.67	0.76	-	-	2.22	0.28	4.44	0.44	3.33	0.39
<i>Pheidole pallidula</i>	T	2.22	0.25	6.67	0.91	-	-	-	-	2.22	0.26
<i>Tapinoma nigerimum</i>	T	4.44	1.27	6.67	1.83	2.22	0.28	-	-	3.33	0.78

<i>Tetramorium biskrensis</i>	T	-	-	-	-	-	-	2.22	0.22	0.56	0.07
<i>Monomorium salomonis</i>	T	2.22	2.03	-	-	11.11	1.95	2.22	0.44	3.89	1.11
<i>Plagiolepis barbara</i>	T	-	-	2.22	0.30	4.44	1.11	-	-	1.67	0.33
<i>Ichneumonidae sp. 1 und.</i>	T	-	-	2.22	0.30	-	-	-	-	0.56	0.07
<i>Ichneumonidae sp. 2 und.</i>	T	-	-	4.44	0.61	-	-	2.22	0.22	1.67	0.20
<i>Chrysis sp. und.</i>	T	-	-	4.44	0.61	-	-	-	-	1.11	0.13
<i>Chalcidae sp. und.</i>	T	-	-	2.22	0.30	-	-	-	-	0.56	0.07
<i>Braconidae sp. und.</i>	T	-	-	2.22	0.30	4.44	0.56	2.22	0.22	2.22	0.26
<i>Trichoptera sp. 1 und.</i>	A	4.44	0.51	8.89	1.22	-	-	6.67	0.66	5.00	0.59
<i>Trichoptera sp. 2 und.</i>	A	-	-	4.44	0.61	6.67	0.84	11.11	1.33	5.56	0.72
<i>Trichoptera sp. 3 und.</i>	A	15.56	3.54	17.78	5.18	8.89	1.11	42.22	8.85	21.11	4.89
<i>Hydroptilidae sp. und.</i>	A	6.67	1.01	-	-	-	-	-	-	1.67	0.26
<i>Philopotamidae sp. 1 und.</i>	A	26.67	4.30	20.00	2.74	15.56	2.23	40.00	6.86	25.56	4.24
<i>Philopotamidae sp. 2 und.</i>	A	6.67	0.76	-	-	2.22	0.28	28.89	3.10	9.44	1.17
<i>Odontoceridae sp. und.</i>	A	-	-	2.22	0.30	8.89	1.11	-	-	2.78	0.33
<i>Brachycera sp. 1 und.</i>	T	2.22	0.25	-	-	2.22	0.28	-	-	1.11	0.13
<i>Brachycera sp. 2 und.</i>	T	8.89	2.03	4.44	0.61	13.33	1.95	-	-	6.67	1.11
<i>Stratiomyidae sp. und.</i>	A	2.22	0.25	4.44	0.61	2.22	0.28	2.22	0.22	2.78	0.33
<i>Ceratopogonidae sp. und.</i>	A	2.22	0.25	-	-	-	-	-	-	0.56	0.07
<i>Chaoboridae sp. und.</i>	A	-	-	-	-	4.44	0.56	8.89	0.88	3.33	0.39
<i>Simuliidae sp. und.</i>	A	-	-	8.89	1.22	2.22	0.28	4.44	0.44	3.89	0.46
<i>Anopahales sp.</i>	A	-	-	-	-	2.22	0.28	-	-	0.56	0.07
<i>Ciccadellidae sp. und.</i>	T	-	-	2.22	0.30	2.22	0.56	-	-	1.11	0.20
<i>Orthoptera sp. und.</i>	T	-	-	-	-	-	-	2.22	0.22	0.56	0.07
155	-	-	100.00	-	100.00	-	100.00	-	100.00	-	100.00