

Supporting information

S1 Table. Birds recorded at Aghéliough (plus records from Arlit only).

S2 Table. Prey remains found under plucking posts K1TREE and K2TREE

belongs to:

Chapter 5. Increased and sex-selective avian predation of Desert Locusts *Schistocerca gregaria* treated with *Metarhizium acridum*

of the PhD thesis:

Don't kill your allies. The impact of chemical and biological locust- and grasshopper control on birds
by Wim C. Mullié

to be defended in public on Wednesday 24 February 2021 at 04:00 p.m. online

Appendix S1. Birds recorded at Aghéliough (plus records from Arlit only).

1. Grey Heron *Ardea cinerea* (dead specimen only)
2. Cattle Egret *Bubulcus ibis* (Arlit only)
3. Egyptian Vulture *Neophron percnopterus* (Arlit only)
4. Black Kite *Milvus migrans* (September only)
5. Eurasian Marsh Harrier *Circus aeruginosus*
6. Booted Eagle *Hieraaetus pennatus* (September only)
7. Common Kestrel *Falco tinnunculus*
8. Lanner *Falco biarmicus abyssinicus* and *F. b. erlangeri*
9. Common Quail *Coturnix coturnix* (dead specimen only)
10. Nubian Bustard *Neotis nuba*
11. Cream-coloured Courser *Cursorius cursor*
12. Spotted Sandgrouse *Pterocles senegallus*
13. Feral Pigeon *Columba livia* (Arlit only)
14. African Collared Dove *Streptopelia roseogrisea*
15. Laughing Dove *Streptopelia senegalensis* (Arlit only)
16. Barn Owl *Tyto alba* (Arlit only)
17. Pallid Swift *Apus pallidus*
18. Common Swift *Apus apus*
19. Little Swift *Apus affinis*
20. Mottled Swift *Tachymarptis aequatorialis*
21. Hoopoe *Upupa epops senegalensis*
22. Singing Bush Lark *Mirafra cantillans*
23. Crested Lark *Galerida cristata*
24. Desert Lark *Ammomanes deserti*
25. Greater Short-toed Lark *Calendrella brachydactyla*
26. Black-crowned Sparrow-lark *Eremopterix nigriceps*
27. Greater Hoopoe Lark *Alaemon alaudipes*
28. Barn Swallow *Hirundo rustica*
29. Common House Martin *Delichon urbica*
30. Yellow Wagtail *Motacilla flava ? iberiae*
31. Rufous Scrub Robin *Cercotrichas galactotes*
32. Black-eared Wheatear *Oenanthe hispanica*
33. Desert Wheatear *Oenanthe deserti*
34. White-crowned Black Wheatear *Oenanthe leucopygia*
35. Eastern Olivaceous Warbler *Hippolais pallida*
36. Subalpine Warbler *Sylvia cantillans*
37. Cricket Warbler *Spiloptila clamans*
38. Brown babbler *Turdoides plebeja*
39. Fulvous Babbler *Turdoides fulva*
40. Southern Grey Shrike *Lanius meridionalis leucopygos*
41. Brown-necked Raven *Corvus ruficollis*
42. Chestnut-bellied Starling *Lamprotornis pulcher*
43. Sudan Golden Sparrow *Passer luteus*
44. Red-billed Firefinch *Lagonosticta senegalla* (Arlit only)
45. African Silverbill *Euodice cantans* (Arlit only)
46. White-rumped Seedeater *Serinus leucopygius*

treatment		05/11/2005				Desert Locust - <i>Schistocerca gregaria</i> (SGR)											
date	No.days post-treatment	Ktree no.	start	end	Total SGR	elytro	win	posterior	median	anterior	unspec.	hea	pronotu	thora	abdome	verte	pelle
						n	g	leg	leg	leg	leg	d	m	x	n	x	t
26/10/2005 ¹	-10	1															
26/10/2005	-10	2															
27/10/2005	-9	1			12	15	24	2	0	0	19	0	0	0	0	0	3
27/10/2005	-9	2			14	25	27	2	0	0	4	0	0	0	0	0	2
28/10/2005	-8	1			13	9	25	7	0	0	0	0	0	0	0	0	1
28/10/2005	-8	2			9	10	17	2	0	0	0	1	0	0	0	0	3
29/10/2005	-7	1			7	6	6	0	0	0	13	0	0	0	0	0	1
29/10/2005	-7	2			21	24	41	3	0	0	5	1	0	0	1	0	2
30/10/2005	-6	1			15	17	17	30	0	0	30	0	0	0	0	0	0
30/10/2005	-6	2			23	37	45	4	0	0	11	0	0	0	0	0	1
31/10/2005	-5	1			28	40	55	7	0	0	43	0	0	0	0	0	2
31/10/2005	-5	2			31	34	61	3	0	0	7	0	0	0	0	0	0
01/11/2005	-4	1			13	18	26	2	0	0	17	0	0	0	0	0	1
01/11/2005	-4	2			12	13	23	3	0	0	5	0	0	0	0	0	0
02/11/2005	-3	1			16	30	31	0	0	0	11	0	0	0	2	0	0
02/11/2005	-3	2			22	22	44	4	0	0	8	0	0	1	0	0	0
03/11/2005	-2	1			13	14	10	3	0	0	25	0	0	0	0	0	0
03/11/2005	-2	2			21	41	28	1	0	0	21	0	0	0	1	0	0
04/11/2005	-1	1			6	10	6	0	0	0	11	0	0	0	0	0	0
04/11/2005	-1	2			14	25	28	1	0	0	8	0	0	0	0	0	0
05/11/2005	0				290	514	74	74	0	0	238	2	0	1	4	0	16
05/11/2005	0																
06/11/2005	1	1	09:55	10:15	6	10	11	8	0	2	0	1	1	0	0	0	0
06/11/2005	1	2	09:30	09:55	10	12	20	6	0	1	0	0	0	0	2	0	4
07/11/2005	2	1	09:58	10:18	13	4	6	5	0	0	0	0	0	1	0	0	3
07/11/2005	2	2	09:35	09:55	15	16	30	10	0	1	0	0	1	0	1	0	0
08/11/2005	3	1	09:55	10:15	12	14	24	9	0	0	0	0	0	0	0	0	0
08/11/2005	3	2	09:35	09:55	12	16	24	17	2	3	2	3	2	0	0	0	3
09/11/2005	4	1	09:50	10h1	13	10	25	12	0	0	0	0	0	0	0	0	3
09/11/2005	4	2	09:35	09:55	7	10	14	13	0	0	0	0	0	0	0	0	1
10/11/2005	5	1	09:50	10:10	5	8	9	9	0	0	0	0	0	0	1	0	0
10/11/2005	5	2	09:35	09:55	13	13	25	9	2	2	0	0	1	1	1	0	1
11/11/2005	6	1	09:50	10h1	10	20	10	8	0	0	0	0	0	0	0	0	1
11/11/2005	6	2	09:35	09:55	12	20	24	21	0	2	0	1	2	0	0	0	0
12/11/2005	7	1	09h5	10h1	6	11	7	11	0	0	0	0	0	0	0	0	0
12/11/2005	7	2	09:35	09:55	12	17	24	9	0	2	0	0	1	0	0	0	0
13/11/2005	8	1	09:22	09:38	7	9	14	5	0	0	0	0	0	0	0	0	0
13/11/2005	8	2	09:00	09:20	10	20	18	20	0	0	2	3	3	0	1	0	1

14/11/2005	9	1	09:47	10:10	2	4	4	3	0	0	0	0	0	0	0	0	1
14/11/2005	9	2	09:25	09:45	3	4	2	6	0	0	0	0	0	0	0	0	0

05/11/200
5

treatment

date	No.days post- treatment	Ktree no.	start	end	Total SGR	Desert Locust - <i>Schistocerca gregaria</i> (SGR)												
						elytro n	win g	posterior leg	median leg	anterior leg	unspec. leg	hea d	pronotu m	thora x	abdome n	verte x	pelle t	
15/11/2005	10	1	09:47	10:10	6	6	12	4	0	0	0	0	0	0	0	1	0	0
15/11/2005	10	2	09:25	09:45	10	16	20	7	0	0	0	1	0	0	0	0	0	0
16/11/2005	11	1	09:52	10:15	6	7	12	5	0	0	1	0	0	0	0	1	0	0
16/11/2005	11	2	09:30	09:50	9	13	17	5	0	0	0	0	1	0	0	0	0	0
17/11/2005	12	1	09:52	10:15	7	12	13	9	2	2	4	0	1	1	0	0	0	0
17/11/2005	12	2	09:30	09:50	6	8	12	11	0	0	0	0	0	0	1	0	0	2
18/11/2005	13	1	09:52	10:15	5	5	9	6	1	0	0	2	1	1	1	0	0	1
18/11/2005	13	2	09:30	09:50	18	20	35	7	2	2	1	0	2	1	2	0	0	0
19/11/2005	14	1	09:45	10:05	10	19	20	8	0	0	0	0	0	0	0	0	0	0
19/11/2005	14	2	09:08	10:22	11	12	22	12	0	0	0	1	0	0	0	0	0	0
20/11/2005	15	1	09:55	10:15	12	18	24	9	0	0	2	3	1	0	0	0	0	3
20/11/2005	15	2	09:30	09:50	22	30	43	23	0	0	2	5	1	0	0	0	0	3
21/11/2005	16	1	09:52	10:18	8	9	16	10	0	0	0	1	1	0	1	0	0	0
21/11/2005	16	2	09:30	09:50	14	28	26	20	0	0	1	0	1	0	0	0	0	0
22/11/2005	17	1	09:55	10:15	10	20	16	3	0	0	0	1	0	0	0	0	0	0
22/11/2005	17	2	09:30	09:50	19	31	38	13	0	2	0	2	0	0	0	0	0	1
23/11/2005	18	1	09:55	10:15	10	18	19	7	0	2	0	1	1	0	0	0	0	0
23/11/2005	18	2	09:30	09:50	13	14	25	11	0	0	1	0	1	0	0	0	0	0
24/11/2005	19	1	09:55	10:15	9	18	16	1	0	0	0	0	1	0	0	0	0	0
24/11/2005	19	2	09:30	09:50	16	32	24	11	0	0	0	0	0	0	0	0	0	1
25/11/2005	20	1	09:55	10:15	9	6	18	8	0	0	0	0	0	0	0	0	0	0
25/11/2005	20	2	09:30	09:50	17	18	33	11	0	0	5	1	0	0	1	0	0	1
26/11/2005	21	1	09:55	10:15	3	4	6	4	0	0	0	0	0	0	0	0	0	0
26/11/2005	21	2	09:30	09:50	10	19	15	0	0	0	0	0	0	0	0	0	0	0
27/11/2005	22	1	09:55	10:15	4	8	7	0	0	0	0	0	0	0	0	0	0	0
27/11/2005	22	2	09:30	09:50	6	8	12	7	0	0	0	2	0	0	0	0	0	0
28/11/2005	23	1	09:55	10:15	5	3	10	3	0	0	0	0	0	0	0	0	0	1
28/11/2005	23	2	09:30	09:50	15	29	16	4	0	0	0	0	0	0	0	0	0	1
29/11/2005	24	1	09:55	10:15	4	3	6	7	0	0	0	0	0	0	0	0	0	0
29/11/2005	24	2	09:30	09:50	6	9	11	4	0	0	0	1	0	0	0	0	0	0
					468	661	844	411	9	21	21	29	23	5	13	1	32	

¹ 26 October day before counting started,
not used for calculations

in yellow
total from
pellets

treatment		05/11/2005			Tree Locust - <i>Anacridium melanorhodon</i> (AME)												unidentified
date	No.days post-treatment	Ktree no.	start	end	Total AME	Tree Locust - <i>Anacridium melanorhodon</i> (AME)										grasshopper	
						elytron	wing	posterior leg	median leg	anterior leg	unspec. leg	head	pronotum	thorax	abdomen		vertex
15/11/2005	10	1	09:47	10:10	0	0	0	0	0	0	0	0	0	0	0	0	0
15/11/2005	10	2	09:25	09:45	1	0	2	0	0	0	0	0	0	0	0	0	0
16/11/2005	11	1	09:52	10:15	0	0	0	0	0	0	0	0	0	0	0	0	0
16/11/2005	11	2	09:30	09:50	0	0	0	0	0	0	0	0	0	0	0	0	0
17/11/2005	12	1	09:52	10:15	0	0	0	0	0	0	0	0	0	0	0	0	0
17/11/2005	12	2	09:30	09:50	1	1	1	1	0	0	0	0	0	0	0	0	0
18/11/2005	13	1	09:52	10:15	1	0	1	2	0	0	0	0	0	0	0	0	0
18/11/2005	13	2	09:30	09:50	1	0	0	1	0	0	0	0	0	0	0	0	0
19/11/2005	14	1	09:45	10:05	0	0	0	0	0	0	0	0	0	0	0	0	0
19/11/2005	14	2	09:08	10:22	1	1	0	2	0	0	0	0	0	0	0	0	0
20/11/2005	15	1	09:55	10:15	1	2	2	1	0	0	0	0	0	0	0	0	0
20/11/2005	15	2	09:30	09:50	2	4	3	4	0	0	0	0	0	0	0	0	0
21/11/2005	16	1	09:52	10:18	1	0	0	1	0	0	0	0	0	0	0	0	0
21/11/2005	16	2	09:30	09:50	2	2	2	3	0	0	0	0	0	0	0	0	0
22/11/2005	17	1	09:55	10:15	0	0	0	0	0	0	0	0	0	0	0	0	0
22/11/2005	17	2	09:30	09:50	1	1	2	0	0	0	0	0	0	0	0	0	0
23/11/2005	18	1	09:55	10:15	1	1	0	0	0	0	0	0	0	0	0	0	0
23/11/2005	18	2	09:30	09:50	1	2	1	0	0	0	0	0	0	0	0	0	0
24/11/2005	19	1	09:55	10:15	0	0	0	0	0	0	0	0	0	0	0	0	0
24/11/2005	19	2	09:30	09:50	1	1	0	1	0	0	0	0	0	0	0	0	0
25/11/2005	20	1	09:55	10:15	0	0	0	0	0	0	0	0	0	0	0	0	0
25/11/2005	20	2	09:30	09:50	1	0	0	1	0	0	0	0	0	0	0	0	0
26/11/2005	21	1	09:55	10:15	0	0	0	0	0	0	0	0	0	0	0	0	0
26/11/2005	21	2	09:30	09:50	2	1	4	2	0	0	0	0	0	0	0	0	0
27/11/2005	22	1	09:55	10:15	0	0	0	0	0	0	0	0	0	0	0	0	0
27/11/2005	22	2	09:30	09:50	1	1	0	0	0	0	0	0	0	0	0	0	0
28/11/2005	23	1	09:55	10:15	2	2	2	3	0	0	0	0	0	0	0	0	0
28/11/2005	23	2	09:30	09:50	2	2	3	0	0	0	0	0	0	0	0	0	0
29/11/2005	24	1	09:55	10:15	0	0	0	0	0	0	0	0	0	0	0	0	0
29/11/2005	24	2	09:30	09:50	1	1	2	1	0	0	0	0	0	0	0	0	0
					28	24	28	31	0	0	0	0	0	0	1	0	3

treatment 05/11/2005

date	No.days				pellet contents				
	post-treatment	Ktree no.	start	end	adult Total SGR	nymph SGR	mole cricket	coleopt. spp.	bird spp.
26/10/2005	-10	1			3	3	1	2	1
26/10/2005	-10	2							
27/10/2005	-9	1			8	10	1	0	0
27/10/2005	-9	2			11	0	1	1	0
28/10/2005	-8	1			0	0	0	0	0
28/10/2005	-8	2			5	0	0	0	1
29/10/2005	-7	1			1	0	0	0	0
29/10/2005	-7	2			4	0	2	0	0
30/10/2005	-6	1			0	0	0	0	0
30/10/2005	-6	2			0	0	0	0	0
31/10/2005	-5	1			0	0	0	0	0
31/10/2005	-5	2			0	0	0	0	0
01/11/2005	-4	1			2	0	0	0	0
01/11/2005	-4	2			0	0	0	0	0
02/11/2005	-3	1			0	0	0	0	0
02/11/2005	-3	2			0	0	0	0	0
03/11/2005	-2	1			0	0	0	0	0
03/11/2005	-2	2			0	0	0	0	0
04/11/2005	-1	1			0	0	0	0	0
04/11/2005	-1	2			0	0	0	0	0
05/11/2005	0				31	10	4	1	1
05/11/2005	0								
06/11/2005	1	1	09:55	10:15	0	0	0	0	0
06/11/2005	1	2	09:30	09:55	2	0	0	0	0
07/11/2005	2	1	09:58	10:18	13	0	0	0	0
07/11/2005	2	2	09:35	09:55	0	0	0	0	0
08/11/2005	3	1	09:55	10:15	0	0	0	0	0
08/11/2005	3	2	09:35	09:55	8	0	0	0	0
09/11/2005	4	1	09:50	10h10	4	0	0	0	1
09/11/2005	4	2	09:35	09:55	0	0	0	0	0
10/11/2005	5	1	09:50	10:10	0	0	0	0	0
10/11/2005	5	2	09:35	09:55	0	0	0	0	0
11/11/2005	6	1	09:50	10h10	2	0	0	0	0
11/11/2005	6	2	09:35	09:55	0	0	0	0	0
12/11/2005	7	1	09h50	10h10	0	0	0	0	0
12/11/2005	7	2	09:35	09:55	0	0	0	0	0
13/11/2005	8	1	09:22	09:38	0	0	0	0	0
13/11/2005	8	2	09:00	09:20	2	0	0	0	1
14/11/2005	9	1	09:47	10:10	2	0	0	0	0
14/11/2005	9	2	09:25	09:45	0	0	0	0	0

treatment 05/11/2005					pellet contents				
date	No.days post- treatment	Ktree no.	start	end	adult	nymph	mole	coleopt.	bird
					Total SGR	SGR	cricket	spp.	spp.
15/11/2005	10	1	09:47	10:10	0	0	0	0	0
15/11/2005	10	2	09:25	09:45	0	0	0	0	0
16/11/2005	11	1	09:52	10:15	0	0	0	0	0
16/11/2005	11	2	09:30	09:50	0	0	0	0	0
17/11/2005	12	1	09:52	10:15	0	0	0	0	0
17/11/2005	12	2	09:30	09:50	5	0	0	0	0
18/11/2005	13	1	09:52	10:15	2	0	0	0	0
18/11/2005	13	2	09:30	09:50	0	0	0	0	0
19/11/2005	14	1	09:45	10:05	0	0	0	0	0
19/11/2005	14	2	09:08	10:22	0	0	0	0	0
20/11/2005	15	1	09:55	10:15	12	0	0	0	0
20/11/2005	15	2	09:30	09:50	4	0	0	0	0
21/11/2005	16	1	09:52	10:18	0	0	0	0	0
21/11/2005	16	2	09:30	09:50	0	0	0	0	0
22/11/2005	17	1	09:55	10:15	0	0	0	0	0
22/11/2005	17	2	09:30	09:50	1	0	0	1	0
23/11/2005	18	1	09:55	10:15	0	0	0	0	0
23/11/2005	18	2	09:30	09:50	0	0	0	0	0
24/11/2005	19	1	09:55	10:15	0	0	0	0	0
24/11/2005	19	2	09:30	09:50	1	0	0	1	0
25/11/2005	20	1	09:55	10:15	0	0	0	0	0
25/11/2005	20	2	09:30	09:50	0	0	0	0	0
26/11/2005	21	1	09:55	10:15	0	0	0	0	0
26/11/2005	21	2	09:30	09:50	0	0	0	0	0
27/11/2005	22	1	09:55	10:15	0	0	0	0	0
27/11/2005	22	2	09:30	09:50	0	0	0	0	0
28/11/2005	23	1	09:55	10:15	1	0	0	0	0
28/11/2005	23	2	09:30	09:50	1	0	0	1	0
29/11/2005	24	1	09:55	10:15	0	0	0	0	0
29/11/2005	24	2	09:30	09:50	0	0	0	1	0
					60	0	0	4	2

treatment 05/11/2005

No. days			Total numbers								Total numbers per day + standard deviation								Number per day
date	post-treatment	Ktree no.	ad. SGR	nymph SGR	grassh. AME	mole spp.	cricket spp.	coleopt. spp.	birds	Total	ad. SGR	nymph SGR	grassh. AME	mole spp.	cricket spp.	coleopt. spp.	birds	TOTAL	
15/11/2005	10	1	6	0	0	0	0	0	0	6									
15/11/2005	10	2	10	0	1	0	0	0	0	11	16	0	1	0	0	0	0	17	17
16/11/2005	11	1	6	0	0	0	0	0	0	6									
16/11/2005	11	2	9	0	0	0	0	0	0	9	15	0	0	0	0	0	0	15	15
17/11/2005	12	1	7	0	0	0	0	0	0	7									
17/11/2005	12	2	6	0	1	0	0	0	0	7	13	0	1	0	0	0	0	14	14
18/11/2005	13	1	5	0	1	0	0	0	0	6									
18/11/2005	13	2	18	0	1	0	0	0	0	19	23	0	2	0	0	0	0	25	25
19/11/2005	14	1	10	0	0	0	0	0	0	10									
19/11/2005	14	2	11	0	1	0	0	0	0	12	21	0	1	0	0	0	0	22	22
20/11/2005	15	1	12	0	1	0	0	0	0	13									
20/11/2005	15	2	22	0	2	0	0	0	0	24	34	0	3	0	0	0	0	37	37
21/11/2005	16	1	8	0	1	0	0	0	0	9									
21/11/2005	16	2	14	0	2	0	0	0	0	16	22	0	3	0	0	0	0	25	25
22/11/2005	17	1	10	0	0	0	0	0	0	10									
22/11/2005	17	2	19	0	1	0	0	1	0	21	29	0	1	0	0	1	0	31	31
23/11/2005	18	1	10	0	1	0	0	0	0	11									
23/11/2005	18	2	13	0	1	0	0	0	0	14	23	0	2	0	0	0	0	25	25
24/11/2005	19	1	9	0	0	0	0	0	0	9									
24/11/2005	19	2	16	0	1	0	0	1	0	18	25	0	1	0	0	1	0	27	27
25/11/2005	20	1	9	0	0	0	0	0	0	9									
25/11/2005	20	2	17	0	1	0	0	0	0	18	26	0	1	0	0	0	0	27	27
26/11/2005	21	1	3	0	0	0	0	0	0	3									
26/11/2005	21	2	10	0	2	0	0	0	0	12	13	0	2	0	0	0	0	15	15
27/11/2005	22	1	4	0	0	0	0	0	0	4									
27/11/2005	22	2	6	0	1	0	0	0	0	7	10	0	1	0	0	0	0	11	11
28/11/2005	23	1	5	0	2	0	0	0	0	7									
28/11/2005	23	2	15	0	2	0	0	1	0	18	20	0	4	0	0	1	0	25	25
29/11/2005	24	1	4	1	0	0	0	0	0	5									
29/11/2005	24	2	6	0	1	0	0	1	0	8	10	1	1	0	0	1	0	13	13
			468	1	28	3	0	4	2	506	19,50	0,04	1,17	0,13	0,00	0,17	0,08	21,08	21,08
											6,71	0,20	1,09	0,61	0,00	0,38	0,28	7,26	7,26

green min and max. numbers

treatment	ind. Body mass----->	2,25	3,9	0,68	2	0,1	20	2,25	3,9	0,68	2	0,1	20							
05/11/2005	No. days	Biomass (g wet weight)										Biomass (g wet weight) per day + SD								
date	post-treatment	Ktree no.	Ad SGR	Nymph SGR	grassh. AME	mole spp.	coleopt. spp.	birds	Total	% SGR	Ad SGR	Nymph SGR	grassh. AME	mole spp.	coleopt. spp.	birds	Total	biomass per day		
26/10/2005	-10	1	9,75	0	0	2	0,2	20	31,95	30,5							0			
26/10/2005	-10	2	0	0	0	0	0	0	0								0	31,95		
27/10/2005	-9	1	27	0	0	2	0	0	29	93,1										
27/10/2005	-9	2	31,5	11	3,9	0	2	0,1	0	48,5	64,9	58,5	11	3,9	0	4	0,1	0	77,5	77,5
28/10/2005	-8	1	29,25	0	0	0	0	0	29,25	100,0										
28/10/2005	-8	2	20,25	0	3,9	0	0	0	20	44,15	45,9	49,5	0	3,9	0	0	0	20	73,4	73,4
29/10/2005	-7	1	15,75	0	0	0	0	0	15,75	100,0										
29/10/2005	-7	2	47,25	0	3,9	0	4	0	0	55,15	85,7	63	0	3,9	0	4	0	0	70,9	70,9
30/10/2005	-6	1	33,75	0	0	0	0	0	33,75	100,0										
30/10/2005	-6	2	51,75	0	7,8	3,4	0	0	0	62,95	82,2	85,5	0	7,8	3,4	0	0	0	96,7	96,7
31/10/2005	-5	1	63	0	3,9	0	0	0	0	66,9	94,2									
31/10/2005	-5	2	69,75	0	3,9	1,36	0	0	0	75,01	93,0	132,75	0	7,8	1,36	0	0	0	141,91	141,91
01/11/2005	-4	1	29,25	0	0	0	0	0	29,25	100,0										
01/11/2005	-4	2	27	0	0	0	0	0	27	100,0	56,25	0	0	0	0	0	0	56,25	56,25	
02/11/2005	-3	1	36	0	0	0	0	0	36	100,0										
02/11/2005	-3	2	49,5	0	0	0	0	0	0	49,5	100,0	85,5	0	0	0	0	0	85,5	85,5	
03/11/2005	-2	1	29,25	0	0	0	0	0	29,25	100,0										
03/11/2005	-2	2	47,25	0	0	0	0	0	0	47,25	100,0	76,5	0	0	0	0	0	76,5	76,5	
04/11/2005	-1	1	13,5	0	0	0	0	0	13,5	100,0										
04/11/2005	-1	2	31,5	0	0	0	0	0	0	31,5	100,0	45	0	0	0	0	0	45	45	
05/11/2005	0		652,5	11	27,3	4,76	8	0,1	20	723,66		72,50	1,22	3,03	0,53	0,89	0,01	2,22	80,41	80,407
05/11/2005	0											26,97	3,67	3,25	1,17	1,76	0,03	6,67	27,56	27,555
06/11/2005	1	1	13,5	0	0	0	0	0	13,5	100										
06/11/2005	1	2	22,5	0	3,9	0	0	0	0	26,4	85,2	36	0	3,9	0	0	0	0	39,9	39,9
07/11/2005	2	1	29,25	0	3,9	0	0	0	0	33,15	88,2									
07/11/2005	2	2	33,75	0	3,9	0	0	0	0	37,65	89,6	63	0	7,8	0	0	0	0	70,8	70,8
08/11/2005	3	1	27	0	0	0	0	0	27	100										
08/11/2005	3	2	27	0	0	2,04	0	0	0	29,04	93,0	54	0	0	2,04	0	0	0	56,04	56,04
09/11/2005	4	1	29,25	0	0	0	0	0	20	49,25	59,4									
09/11/2005	4	2	15,75	0	0	0	0	0	0	15,75	100	45	0	0	0	0	0	20	65	65
10/11/2005	5	1	11,25	0	0	0	0	0	11,25	100										
10/11/2005	5	2	29,25	0	0	0	0	0	0	29,25	100	40,5	0	0	0	0	0	0	40,5	40,5
11/11/2005	6	1	22,5	0	3,9	0	0	0	0	26,4	85,2									
11/11/2005	6	2	27	0	0	0	0	0	0	27	100	49,5	0	3,9	0	0	0	0	53,4	53,4
12/11/2005	7	1	13,5	0	0	0	0	0	13,5	100										
12/11/2005	7	2	27	0	0	0	0	0	0	27	100	40,5	0	0	0	0	0	0	40,5	40,5
13/11/2005	8	1	15,75	0	0	0	0	0	15,75	100										
13/11/2005	8	2	22,5	0	0	0	0	0	20	42,5	52,9	38,25	0	0	0	0	0	20	58,25	58,25
14/11/2005	9	1	4,5	0	0	0	0	0	4,5	100										
14/11/2005	9	2	6,75	0	0	0	0	0	0	6,75	100	11,25	0	0	0	0	0	0	11,25	11,25

treatment	ind. Body mass----->																								
			2,25		3,9		0,68		2		0,1		20		2,25		3,9		0,68		2		0,1		20
05/11/2005	No. days	Biomass (g wet weight)											Biomass (g wet weight) per day + SD												
post-	Ad	Nymph	grassh.		mole	coleopt.			%	Ad	Nymph	grassh.		mole	coleopt.			biomass							
date	treatment	Ktree no.	SGR	SGR	AME	spp.	cricket	spp.	birds	Total	SGR	SGR	SGR	AME	spp.	cricket	spp.	birds	Total	per day					
15/11/2005	10	1	13,5	0	0	0	0	0	0	13,5	100														
15/11/2005	10	2	22,5	0	3,9	0	0	0	0	26,4	85,2	36	0	3,9	0	0	0	0	39,9	39,9					
16/11/2005	11	1	13,5	0	0	0	0	0	0	13,5	100														
16/11/2005	11	2	20,25	0	0	0	0	0	0	20,25	100	33,75	0	0	0	0	0	0	33,75	33,75					
17/11/2005	12	1	15,75	0	0	0	0	0	0	15,75	100														
17/11/2005	12	2	13,5	0	3,9	0	0	0	0	17,4	77,6	29,25	0	3,9	0	0	0	0	33,15	33,15					
18/11/2005	13	1	11,25	0	3,9	0	0	0	0	15,15	74,3														
18/11/2005	13	2	40,5	0	3,9	0	0	0	0	44,4	91,2	51,75	0	7,8	0	0	0	0	59,55	59,55					
19/11/2005	14	1	22,5	0	0	0	0	0	0	22,5	100														
19/11/2005	14	2	24,75	0	3,9	0	0	0	0	28,65	86,4	47,25	0	3,9	0	0	0	0	51,15	51,15					
20/11/2005	15	1	27	0	3,9	0	0	0	0	30,9	87,4														
20/11/2005	15	2	49,5	0	7,8	0	0	0	0	57,3	86,4	76,5	0	11,7	0	0	0	0	88,2	88,2					
21/11/2005	16	1	18	0	3,9	0	0	0	0	21,9	82,2														
21/11/2005	16	2	31,5	0	7,8	0	0	0	0	39,3	80,2	49,5	0	11,7	0	0	0	0	61,2	61,2					
22/11/2005	17	1	22,5	0	0	0	0	0	0	22,5	100														
22/11/2005	17	2	42,75	0	3,9	0	0	0,1	0	46,75	91,4	65,25	0	3,9	0	0	0,1	0	69,25	69,25					
23/11/2005	18	1	22,5	0	3,9	0	0	0	0	26,4	85,2														
23/11/2005	18	2	29,25	0	3,9	0	0	0	0	33,15	88,2	51,75	0	7,8	0	0	0	0	59,55	59,55					
24/11/2005	19	1	20,25	0	0	0	0	0	0	20,25	100														
24/11/2005	19	2	36	0	3,9	0	0	0,1	0	40	90,0	56,25	0	3,9	0	0	0,1	0	60,25	60,25					
25/11/2005	20	1	20,25	0	0	0	0	0	0	20,25	100														
25/11/2005	20	2	38,25	0	3,9	0	0	0	0	42,15	90,7	58,5	0	3,9	0	0	0	0	62,4	62,4					
26/11/2005	21	1	6,75	0	0	0	0	0	0	6,75	100														
26/11/2005	21	2	22,5	0	7,8	0	0	0	0	30,3	74,3	29,25	0	7,8	0	0	0	0	37,05	37,05					
27/11/2005	22	1	9	0	0	0	0	0	0	9	100														
27/11/2005	22	2	13,5	0	3,9	0	0	0	0	17,4	77,6	22,5	0	3,9	0	0	0	0	26,4	26,4					
28/11/2005	23	1	11,25	0	7,8	0	0	0	0	19,05	59,1														
28/11/2005	23	2	33,75	0	7,8	0	0	0,1	0	41,65	81,0	45	0	15,6	0	0	0,1	0	60,7	60,7					
29/11/2005	24	1	9	0	0	0	0	0	0	9	100														
29/11/2005	24	2	13,5	1,1	3,9	0	0	0,1	0	18,6	72,6	22,5	1,1	3,9	0	0	0,1	0	27,6	27,6					
			1055,3	1,1	113,1	2,72	2	0,5	60	1234,7		42,21	0,05	4,52	0,11	0,08	0,02	2,40	50,24	50,24					
												16,97	0,22	4,16	0,42	0,40	0,04	6,63	17,38	17,38					