

Table S1

Arithmetic means (and 95% confidence intervals) of eggs per gram faeces. Goats were naturally infected with gastrointestinal nematodes or experimentally infected with *Haemonchus contortus*, in three different South Darfur study areas, Sudan, before and after oral administration of 5 or 10 mg/kg body weight albendazole to the treated groups.

Study area	Type of infection	Season	Dose	GI nematodes	Groups	Day 0	Day 8	Day 14
						Mean (95% CI)	Mean (95% CI)	Mean (95% CI)
Nyala, Domaia	Natural	Autumn		Strongyles	Control, n=30	3136 (2525 – 3747)	3586 (2826 – 4345)	3511 (2607 – 4414)
					Treated, n=53	3090 (2526 – 3654)	876*# (635 – 1117)	970*# (780 – 1160)
			5 mg/kg	Strongyles	Control, n=10	1072 (739 – 1405)	1800 (1255 – 2345)	1749 (1139 – 2359)
		Winter	10 mg/kg	Strongyles	Treated ^a , n=25	1005 (674 – 1336)	666* (341 – 991)	830* (500 – 1160)
					Control, n=10	3356 (2216 – 4496)	3642 (2495 – 4789)	3568 (1944 – 5192)
			Treated, n=17	3847 (1088 – 6606)	247*# (133 – 361)	492*# (146 – 838)		
Nyala, Majok	Natural	Winter	10 mg/kg	Strongyles	Control, n=6	1000 (614 – 1386)	913 (927 – 1200)	767 (513 – 1021)
					Treated, n=8	1108 (499 – 1716)	143*# (49 – 236)	190*# (64 – 316)
					Treated ^b , n=10	1430 (421 – 2439)	76*# (12 – 140)	170*# (-1 – 340)
Beleil	Natural	Autumn	5 mg/kg	Strongyles	Control, n=10	2504 (1231 - 3777)	2208 (1163 – 3253)	2404 (1521 – 3287)
					Treated, n=30	2215 (1596 – 2833)	73*# (45 – 102)	81*# (53 – 109)
				<i>Strongyloides papillosus</i>	Treated ^b , n=3	140 (-184 – 504)	0*#	0*#
Kass	Natural	Autumn	5 mg/kg	Strongyles	Control, n=15	2880 (1777 – 3983)	3293 (2217 – 4370)	5091 (3515 – 6666)
					Treated, n=21	4034 (2046 – 6023)	335*# (200 – 471)	1046*# (633 – 1458)
			10 mg/kg	<i>Strongyloides papillosus</i>	Control, n=4	710 (119 – 1301)	910 (-319 – 2139)	1650 (-748 – 4048)
		Treated, n=4			1170 (-1327 – 3667)	0*#	0*#	
		Control, n=15			2880 (1777 – 3983)	3293 (2217 – 4370)	5091 (3515 – 6666)	
		Nyala	Experimental	Summer	5 mg/kg	<i>Haemonchus contortus</i>	Treated, n=15	4829 (2105 – 7553)
Control, n=8	808 (503 – 1113)						1185 (879 – 1491)	1665 (988 – 2342)
Treated, n=8	940 (153 – 1727)						203*# (38 – 368)	610* (156 – 1064)
Kass	Experimental	Summer	5 mg/kg	<i>Haemonchus contortus</i>	Control, n=8	1043 (315 – 1770)	1833 (201 – 3464)	2868 (493 – 5242)
					Treated, n=8	1661 (-140 – 3463)	383*# (-11 – 776)	723* (65 – 1380)
			10 mg/kg		Treated ^b , n=8	2178 (257 – 4098)	493*# (193 – 792)	385*# (83 – 688)

^aRetreated goats were initially treated first with 5 mg/kg albendazole and received a repeated dose of albendazole (5 mg/kg body weight) on day 14.

^bNo control group available since less numbers of positive animals detected, or the initial control group was treated with 10 mg/kg body weight albendazole.

*Significantly different ($p < 0.05$) to control on the same day using a Kruskal-Wallis test with Dunn's post hoc test.

#Significantly different ($p < 0.05$) to day 0 in the same group using a Friedman test with Dunn's post hoc test.