List of Tables

Table 1.1	:	Studies demonstrating the importance of gastro-intestinal parasites as major constraints to small ruminant health and production in Africa	11
Table 1.2	:	Reports of anthelmintic resistance from goats in Africa	14
Table 2.1.1	:	Study sites: summary of trial periods and frequencies of visits; breeds of animals; sample sizes; and anthelmintics used	17
Table 2.1.2	:	Study sites: summary of grazing practices, vegetation types, winter supplementation and rainfall	18
Table 2.2	:	Profile of total flocks by age and sex	19
Table 2.3	:	Faecal egg count reduction tests: details of groups	23
Table 2.4	:	Two-way frequency table of haematocrit by FAMACHA® with haematocrit cut-off of 18% (or 19%) and FAMACHA® scores 4 and 5 (or 3, 4 and 5) considered positive test results	28
Table 3.1	:	Study sites: summary of trial periods and frequencies of visits; sample sizes; breeds of animals; vegetation types and grazing practices; and anthelmintics used	32
Table 3.2	:	Two-way frequency table of haematocrit by FAMACHA® with haematocrit cut-off of 18% (or 19%) and FAMACHA® scores 4 and 5 (or 3, 4 and 5) considered positive test results	34
Table 3.3	:	Faecal egg count reduction tests: details of groups and results	37
Table 3.4.1	:	Comparison of results for application of the FAMACHA® system in goats during 1998/1999 and 1999/2000	38
Table 3.4.2	:	Comparison of results for application of the FAMACHA® system in goats during 1998/1999 and 1999/2000 (continued)	39
Table 3.5	:	Percentage of <i>Haemonchus</i> spp. in larval cultures made from faecal samples taken pre- and post-treatment for faecal egg count reduction tests	40
Table 3.6	:	Relationship between $FAMACHA^{\circledcirc}$ score and haematocrit range for sheep $% FAMACHA^{\circledcirc}$.	41
Table 3.7	:	Anthelmintic treatment programme supplied to farmer at Rust de Winter	43
Table 4.1	:	Percentage of goats treated from November to April (<i>Haemonchus</i> season) and May to October	57

Table 7.1	:	Faecal egg count reduction test in sheep: details of groups and results	81
Table 7.2	:	Percentage of sheep treated from October to March (<i>Haemonchus</i> season) and April to September	86
Table 8.1	:	Countries in Africa in which <i>Haemonchus</i> spp. has been reported as a parasite of major importance in small ruminants and in which the possibility of introducing the FAMACHA [©] system exists (the list is incomplete)	89
Table A1.1	:	Weather stations from which climatic data for study sites was obtained	101
Table A2.4.1	:	A key for the identification of nematode third-stage larvae of small stock	122
Table A4.1	•	Numbers of animals in each FAMACHA [©] category over time for goats at Rust de Winter	133
Table A4.2	:	Numbers of animals in each FAMACHA® category over time for sheep at Rust de Winter	137
Table A4.3	•	Numbers of animals in each FAMACHA® category over time for goats at Site 1, Impendle	141
Table A4.4	•	Numbers of animals in each FAMACHA® category over time for goats at Site 2, Impendle	143
Table A4.5	:	Numbers of animals in each FAMACHA® category over time for goats at Kraaipan	145
Table A4.6	:	Numbers of animals in each FAMACHA® category over time for sheep at Kraaipan	147
Table A5.1	:	Results of Wilcoxon two-sample test for comparing mean faecal strongyle egg counts between goats and sheep of Kraaip an	152
Table A5.2	:	Results of Wilcoxon two-sample test for comparing mean haematocrits between goats and sheep of Kraaipan	15