

## **Appendix 4**

**Tables of numbers of animals in each FAMACHA<sup>®</sup> category over time for the three study sites**

Table A4.1

Numbers of animals in each FAMACHA<sup>®</sup> category over time for goats at Rust de Winter

FAMACHA <sup>®</sup> category	10-Sep-98		24-Sep-98		8-Oct-98		22-Oct-98		5-Nov-98		19-Nov-98		3-Dec-98		17-Dec-98		31-Dec-98		14-Jan-99		28-Jan-99	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	4	9	1	2	0	0	1	2	5	14	12	26	4	11	6	16	1	3	2	6	1	3
2	16	34	15	35	8	19	25	60	17	47	21	46	18	50	12	32	10	30	12	39	11	37
3	27	57	24	56	24	57	11	26	13	36	12	26	9	25	17	46	16	48	15	48	15	50
4	0	0	3	7	10	24	5*	12	1	3	1	2	5	14	2	5	4	12	2	6	3	10
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0
Total no. treated	47	.	43	.	42	.	42	.	36	.	46	.	36	.	37	.	33	.	31	.	30	.
	0	0	3	7	10	24	5	12	1	3	1	2	5	14	2	5	6	18	2	6	3	10

No.: number of adult and weaner animals examined at each visit.

\*animals were in fact not treated because anthelmintics were not available.

Table A4.1 continued

FAMACHA <sup>®</sup> category	11-Feb-99		25-Feb-99		11-Mar-99		25-Mar-99		8-Apr-99		22-Apr-99		6-May-99		20-May-99		3-Jun-99		17-Jun-99		1-Jul-99		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
1	2	6	0	0	3	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	10
2	23	68	16	52	22	73	12	40	6	20	13	43	24	80	21	68	22	71	29	94	22	73	
3	8	24	13	42	5	17	11	37	19	63	11	37	6	20	10	32	9	29	2	6	5	17	
4	1	3	2	6	0	0	7	23	4	13	6	20	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Total no. treated	34	.	31	.	30	.	30	.	30	.	30	.	30	.	31	.	31	.	31	.	30	.	
	1	3	2	6	0	0	7	23	5	17	6	20	0	0	0	0	0	0	0	0	0	0	0

Table A4.1 continued

FAMACHA <sup>®</sup> category	15-Jul-99		29-Jul-99		12-Aug-99		26-Aug-99		9-Sep-99		23-Sep-99		7-Oct-99		21-Oct-99		4-Nov-99		18-Nov-99		2-Dec-99	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	0	0	0	0	2	7	1	4	0	0	1	3	3	9	0	0	0	0	1	3	0	0
2	20	67	17	57	21	72	19	68	20	63	13	42	13	41	10	30	10	30	16	47	20	61
3	9	30	10	33	5	17	8	29	11	34	8	26	13	41	16	48	18	55	15	44	10	30
4	1	3	3	10	1	3	0	0	1	3	9	29	3	9	7	21	5	15	2	6	3	9
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total no. treated	30	.	30	.	29	.	28	.	32	.	31	.	32	.	33	.	33	.	34	.	33	.
	1	3	3	10	1	3	0	0	1	3	9	29	3	9	7	21	5	15	2	6	3	9

Table A4.1 continued

FAMACHA <sup>®</sup> category	15-Dec-99		30-Dec-99		13-Jan-00		27-Jan-00		10-Feb-00		24-Feb-00		8-Mar-00		23-Mar-00		6-Apr-00		20-Apr-00		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	18	55	19	58	19	59	14	44	14	45	14	48	10	50	16	76	14	70	13	62	
3	13	39	12	36	10	31	15	47	16	52	8	28	9	45	5	24	5	25	8	38	
4	2	6	2	6	2	6	3	9	1	3	7	24	1	5	0	0	1	5	0	0	
5	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total no. treated	33	.	33	.	32	.	32	.	31	.	29	.	20	.	21	.	20	.	21	.	
	2	6	2	6	3	9	3	9	1	3	7	24	1	5	0	0	1	5	0	0	

Table A4.2

Numbers of animals in each FAMACHA<sup>®</sup> category over time for sheep at Rust de Winter

FAMACHA <sup>®</sup> category	10-Sep-98		24-Sep-98		8-Oct-98		22-Oct-98		5-Nov-98		19-Nov-98		3-Dec-98		17-Dec-98		31-Dec-98		14-Jan-99		28-Jan-99	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	3	50	0	0	0	0	0	0	1	17	3	50	3	43	3	43	4	57	1	20	5	100
2	3	50	5	83	0	0	3	50	1	17	3	50	4	57	3	43	2	29	3	60	0	0
3	0	0	1	17	3	60	2	33	3	50	0	0	0	0	0	0	1	14	1	20	0	0
4	0	0	0	0	2*	40	1*	17	1	17	0	0	0	0	1	14	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total no. treated	6	.	6	.	5	.	6	.	6	.	6	.	7	.	7	.	7	.	5	.	5	.
	0	0	0	0	2	40	1	17	1	17	0	0	0	0	1	14	0	0	0	0	0	0

No.: number of adult and weaner animals examined at each visit.

\*animals were in fact not treated because anthelmintics were not available.

Table A4.2 continued

FAMACHA <sup>®</sup> category	11-Feb-99		25-Feb-99		11-Mar-99		25-Mar-99		8-Apr-99		22-Apr-99		6-May-99		20-May-99		3-Jun-99		17-Jun-99		1-Jul-99	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	4	80	0	0	4	80	2	40	1	20	1	20	2	40	3	60	4	80	5	100	5	100
2	1	20	5	100	0	0	3	60	4	80	4	80	3	60	2	40	1	20	0	0	0	0
3	0	0	0	0	1	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total no. treated	5	.	5	.	5	.	5	.	5	.	5	.	5	.	5	.	5	.	5	.	5	.
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A4.2 continued

FAMACHA <sup>®</sup> category	15-Jul-99		29-Jul-99		12-Aug-99		26-Aug-99		9-Sep-99		23-Sep-99		7-Oct-99		21-Oct-99		4-Nov-99		18-Nov-99		2-Dec-99	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	4	80	1	20	5	100	4	80	0	0	0	0	0	0	0	0	1	20	1	20	0	0
2	1	20	4	80	0	0	1	20	4	80	1	20	5	100	3	60	3	60	4	80	2	40
3	0	0	0	0	0	0	0	0	1	20	4	80	0	0	1	20	1	20	0	0	3	60
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	20	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total no. treated	5	.	5	.	5	.	5	.	5	.	5	.	5	.	5	.	5	.	5	.	5	.
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	20	0	0	0	0	0	0



Table A4.2 continued

FAMACHA <sup>®</sup> category	15-Dec-99		30-Dec-99		13-Jan-00		27-Jan-00		10-Feb-00		24-Feb-00		8-Mar-00		23-Mar-00		6-Apr-00		20-Apr-00	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	40	0	0
2	2	40	4	80	3	60	5	100	5	100	5	100	5	100	4	80	3	60	5	100
3	3	60	1	20	2	40	0	0	0	0	0	0	0	1	20	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total no. treated	5	.	5	.	5	.	5	.	5	.	5	.	5	.	5	.	5	.	5	.
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A4.3

Numbers of animals in each FAMACHA<sup>®</sup> category over time for goats at Site 1, Impendle

FAMACHA <sup>®</sup> category	24-Nov-98		22-Dec-98		19-Jan-99		16-Feb-99		16-Mar-99		13-Apr-99		11-May-99		8-Jun-99		6-Jul-99		3-Aug-99		
	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	
1	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	10	45	12	55	9	41	9	43	12	57	8	38	10	48	9	43	16	76	7	35	
3	7	32	7	32	13	59	11	52	6	29	8	38	8	38	11	52	4	19	8	40	
4	4	18	3	14	0	0	1	5	3	14	5	24	3	14	1	5	1	5	4	20	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	
Total no. treated	22	.	22	.	22	.	21	.	21	.	21	.	21	.	21	.	21	.	20	.	
	4	18	3	14	0	0	1	5	3	14	5	24	3	14	1	5	1	5	5	25	

MG : monitor group.

Table A4.3 continued

FAMACHA <sup>®</sup> category	31-Aug-99		28-Sep-99		26-Oct-99		23-Nov-99		21-Dec-99		18-Jan-00		15-Feb-00		14-Mar-00		11-Apr-00		
	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	8	40	3	16	6	32	12	75	7	50	6	43	3	21	6	43	3	27	
3	12	60	9	47	9	47	4	25	7	50	2	14	7	50	3	21	7	64	
4	0	0	7	37	4	21	0	0	0	0	6	43	3	21	5	36	1	9	
5	0	0	0	0	0	0	0	0	0	0	0	0	1	7	0	0	0	0	
Total no. treated	20	.	19	.	19	.	16	.	14	.	14	.	14	.	14	.	11	.	
	0	0	7	37	4	21	0	0	0	0	6	43	4	29	5	36	1	9	

Table A4.4

Numbers of animals in each FAMACHA<sup>®</sup> category over time for goats at Site 2, Impendle

FAMACHA <sup>®</sup> category	24-Nov-98		22-Dec-98		19-Jan-99		16-Feb-99		16-Mar-99		13-Apr-99		11-May-99		8-Jun-99		6-Jul-99		3-Aug-99	
	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%
1	5	20	0	0	3	14	0	0	0	0	0	0	0	0	0	0	2	11	1	5
2	13	52	17	68	10	45	5	24	9	43	7	35	10	50	17	89	13	68	14	74
3	5	20	8	32	9	41	14	67	8	38	10	50	10	50	2	11	3	16	4	21
4	2	8	0	0	0	0	2	10	4	19	3	15	0	0	0	0	1	5	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total no. treated	25	.	25	.	22	.	21	.	21	.	20	.	20	.	19	.	19	.	19	.
	2	8	0	0	0	0	2	10	4	19	3	15	0	0	0	0	1	5	0	0

MG : monitor group.

Table A4.4 continued

FAMACHA <sup>®</sup> category	31-Aug-99		28-Sep-99		26-Oct-99		23-Nov-99		21-Dec-99		18-Jan-00		15-Feb-00		14-Mar-00		11-Apr-00		
	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	
1	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	10	53	12	63	7	37	4	21	13	68	5	28	7	41	5	29	5	36	
3	8	42	7	37	10	53	13	68	5	26	11	61	5	29	7	41	7	50	
4	0	0	0	0	2	11	2	11	1	5	2	11	4	24	5	29	2	14	
5	0	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	0	
Total no. treated	19	.	19	.	19	.	19	.	19	.	18	.	17	.	17	.	14	.	
	0	0	0	0	2	11	2	11	1	5	2	11	5	29	5	29	2	14	

Table A4.5

Numbers of animals in each FAMACHA<sup>®</sup> category over time for goats at Kraaipan

FAMACHA <sup>®</sup> category	15-Oct-98		26-Nov-98		7-Jan-99		2-Feb-99		2-Mar-99		30-Mar-99		29-Apr-99		25-May-99		22-Jun-99		20-Jul-99	
	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%
1	1	4	4	19	1	5	0	0	1	5	0	0	0	0	1	6	0	0	0	0
2	6	26	12	57	7	33	16	76	11	52	7	37	10	56	10	56	12	67	11	61
3	12	52	4	19	6	29	5	24	8	38	8	42	7	39	6	33	5	28	6	33
4	4*	17	1	5	6	29	0	0	1	5	4	21	1	6	1	6	1	6	1	6
5	0	0	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total no. treated	23	.	21	.	21	.	21	.	21	.	19	.	18	.	18	.	18	.	18	.
	4	17	1	5	7	33	0	0	1	5	4	21	1	6	1	6	1	6	1	6

MG : monitor group.

\*animals were in fact not treated because anthelmintics were not available.

Table A4.5 continued

FAMACHA <sup>®</sup> category	17-Aug-99		14-Sep-99		12-Oct-99		9-Nov-99		7-Dec-99		4-Jan-00		1-Feb-00		29-Feb-00		28-Mar-00		26-Apr-00		
	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	
1	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	9	53	7	41	17	100	6	35	6	35	8	50	6	55	5	50	3	30	5	50	
3	7	41	10	59	0	0	8	47	9	53	7	44	4	36	3	30	6	60	4	40	
4	0	0	0	0	0	0	3	18	2	12	1	6	1	9	2	20	1	10	1	10	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total no. treated	17	.	17	.	17	.	17	.	17	.	16	.	11	.	10	.	10	.	10	.	
	0	0	0	0	0	0	3	18	2	12	1	6	1	9	2	20	1	10	1	10	

Table A4.6

Numbers of animals in each FAMACHA<sup>®</sup> category over time for sheep at Kraaipan

FAMACHA <sup>®</sup> category	15-Oct-98		26-Nov-98		7-Jan-99		2-Feb-99		2-Mar-99		30-Mar-99		29-Apr-99		25-May-99		22-Jun-99		20-Jul-99	
	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%
1	3	14	16	76	12	57	14	64	13	59	5	23	9	45	0	0	2	11	3	17
2	12	55	5	24	7	33	7	32	9	41	15	68	11	55	17	89	16	89	15	83
3	7	32	0	0	1	5	1	5	0	0	2	9	0	0	2	11	0	0	0	0
4	0	0	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total no. treated	22	.	21	.	21	.	22	.	22	.	22	.	20	.	19	.	18	.	18	.
	0	0	0	0	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MG : monitor group.



Table A4.6 continued

FAMACHA <sup>®</sup> category	17-Aug-99		14-Sep-99		12-Oct-99		9-Nov-99		7-Dec-99		4-Jan-00		1-Feb-00		29-Feb-00		28-Mar-00		26-Apr-00	
	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%	MG	%
1	7	39	1	6	0	0	1	6	0	0	0	0	0	0	0	0	2	33	1	17
2	11	61	12	71	16	94	11	65	12	71	14	88	6	86	5	83	4	67	5	83
3	0	0	4	24	1	6	5	29	5	29	2	13	0	0	1	17	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	1	14	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total no. treated	18	.	17	.	17	.	17	.	17	.	16	.	7	.	6	.	6	.	6	.
	0	0	0	0	0	0	0	0	0	0	0	0	1	14	0	0	0	0	0	0