



wormfaxnsw

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Editor: Stephen Love, Veterinarian/State worm control coordinator, NSW DPI, Armidale.

WormFax is based on sheep WormTest (worm egg count (WEC) monitoring) data from NSW DPI Regional Veterinary Laboratories at Orange and Camden/Menangle (EMAI,) as well as from Armidale-based private laboratories, Veterinary Health Research ('VHR'), and New England Veterinary Centres (included in VHR results). Owner details are not disclosed.

WormFax is a monthly summary of WormTesting results (in sheep) from around New South Wales. Copies are sent by e-mail each month, and are published on the NSW DPI website at:

www.dpi.nsw.gov.au/newsletters/wormfax

also see <http://www.dpi.nsw.gov.au/agriculture/livestock/sheep/health>

(Internal Parasites - 'Worms on the Web')

WormFax Data

Detailed data is provided in the following worksheets. See tabs coloured tabs labelled 'Data ...' below.

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Change of format from January 2007

For the last 10 years or so, summary data has been displayed in tables and graphs in WormFax. While easier on the eye, this is actually less informative than scanning the actual data for each WormTest in the tables. The new format is 'evolving'.

Explanatory Notes

Each row in the tables contains the summary data for a WormTest.

WormTests generally consist of worm egg counts (WECs) for 10 individual sheep from a mob. The individual strongyle egg counts (reported in eggs per gram faeces (EPG)) are not shown, but the average, high and low WECs for each WormTest are shown ('Strong Avg, Min and Max'). In addition to strongyle egg counts, a larval differentiation or "worm typing" is often done as well, showing the percentage of strongyle eggs coming from different worm 'strongyle' species, including *Haemonchus contortus* (barber's pole worm; 'H%'), *Trichostrongylus* spp (black scour worm; 'Trich%'), *Ostertagia* (=Teladorsagia) *circumcincta* (small brown stomach worm; 'O%'), *Cooperia* spp (intestinal worm; 'C%'), and *Oesophagostomum* spp (large bowel worm; less commonly nodule worm; 'Oe%'). The eggs of all these species are very similar in appearance.

The eggs of *Nematodirus* spp (thin-necked intestinal worms; 'Nem Avg') are quite different from strongyle eggs under the microscope, and the counts for these are reported separately.

Liver fluke ('LF') eggs are also quite different from strongyle eggs, and are counted using a different technique anyway. Some labs report two counts for liver fluke (two batches of five samples), hence the two columns for fluke in the tables.



Age and sex descriptors may be abbreviated:

Age: A=adult, L= lamb (< 4 months), W=weaner (4-11 months), H=hogget (12-24 months).

Sex: W=wether, E=ewe, R=ram, M or MXD=mixed.

Labs: for various reasons, the WormTest data is presented in three worksheets (see coloured tabs), one for each lab. WormTest results for a particular district may appear in one or more of the 'Data' worksheets.

Each farm is unique!

There can be enormous variation in worm egg counts between farms and even between mobs on a farm. It's important therefore that each farm does its own, regular WormTesting (worm egg count monitoring). Don't forget to do occasional DrenchChecks (worm egg count after a drench).

For more information, ask your vet or other professional adviser.

Also see "Worms on the Web": www.agric.nsw.gov.au/reader/sheep-internal

NSW Department of Primary Industries Regional Veterinary Labs:

www.agric.nsw.gov.au/reader/das-laboratory

"NATA accredited (to ISO 17025) and unsurpassed for breadth and quality of services".

* Camden/Menangle (EMAI) - tel (02) 4640 6327

* Orange - tel (02) 6391 3858

* Wollongbar - tel (02) 6626 1261

Private laboratories contributing data to WormFax:

* Veterinary Health Research, Armidale tel (02) 6771 1358

* New England Veterinary Centres, Armidale tel (02) 6771 2022

RLPB District	Abbreviations
(ACT)	
Armidale	ARM
Balranald	BAL
Bombala	BOM
Bourke	
Braidwood	BRA
Brewarrina	BRE
Broken Hill	
Casino	
Central Tableland	CNT
Cobar	
Cooma	COOM
Coonabarabran	COON
Coonamble	CBL
Dubbo	DUB
Gloucester	
Goulburn	GOUL
Grafton	
Gundagai	GUN
Hay	HAY
Hillston	HIL
Hume	HUM
Hunter	HUN
Kempsey	
Maitland	
Milparinka	
Molong	MOL
Moree	
Moss Vale	
Mudgee-Merriwa	MUD
Murray	MUR
Narranderra	NAR
Narrabri	NBR
Northern New E	NNE
Northern Slopes	NS
Nyngan	NYN
Riverina	
South Coast	STC
Tamworth	TAM
Tweed	
Wagga	WAG
Walgett	WAL
Wanaaring	
Wentworth	
Wilcannia	
Yass	YAS
Young	



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The information contained in this publication is based on knowledge and understanding at the time of writing (December 2007). However, because of advances in knowledge, users are reminded of the need to ensure that information upon which they rely is up to date and to check currency of the information with the appropriate officer of New South Wales Department of Primary Industries or the user's independent adviser.

Recognising that some of the information in this document is provided by third parties, the State of New South Wales, the author and the publisher take no responsibility for the accuracy, currency, reliability and correctness of any information included in the document provided by third parties.

Data: Orange															
AREA	AGE / SEX		Strongyle Eggs per Gram			Larval culture/differentiation					Liver fluke		Nematodirus		
			Mean	Low	High	Haem%	Trich%	Ost%	Oes%	Coop%	Count 1	Count 2	Mean	Low	High
BOURKEH	E		40	40	40										
BRAIDWH	E		220	160	280										
BRAIDWA	E		240	200	280									20	
CBL	W	E	4	0	40									12	
CBL	H	E	180	160	200	7	78	15							
cnt	A	E	320	320	320		36	64							
CNT	H	E	8	0	40										
CNT	A	E	208	40	360	1	21	48	30						
CNT	A	E	192	0	360		45	32	20	3				4	
CNT	H	MXD	520	440	600										
CNT	A	E	400	200	600										
CNT	H	E	60	0	480									12	
CNT	H	E	196	0	360										
CNT	A	E	0	0	0										
CNT	MXD	E	80	0	160									20	
CNT	H	E	89	0	280									4	
CNT	A	E	100	80	120									40	
CNT	A	E	200	120	280									100	
CNT	?	E & L	16	0	120										
CNT	W	MXD	0	0	0										
CNT	H	E	128	0	280		60	40							
CNT	H	E	272	40	600		32	28	39	1				44	
CNT	A	E	144	40	360										
CNT	A	E	0	0	0										
CNT	A	E	180	0	440		43	43	14						
CNT	H	E	1496	120	6440	57	39	2	2					24	
CNT	H	E	416	40	960	48	22	23	7					28	
CNT	A	E	100	80	120	28	30	33	9						
COONA	H	MXD	340	80	600										
COONA	A	E	172	0	1720	8	86	6							
COONA	A	E	252	0	680	39	53	5	3						
COONA	MXD	E	0	0	0										
COONA	A	E	20	0	40										
COONA	A	E	460	240	680										
COONA	A	E	100	80	120										
COONA	A	E	20	0	40										
COONA	A	E	140	120	160										
COONA	A	E	80	80	80										
COONA	A	E	120	40	200										
COONA	MXD	E	100	40	160										
COONA	H	E	0	0	0									40	
COONA	A	E	220	120	320										
COONA	A	E	108	0	400		16	40	44					4	
COONA	W	MXD	40	40	40									40	
COONA	A	E	4	0	40										
COONA	L	MXD	0	0	0									20	
COONA	A	E	0	0	0										
COONA	H	E	760	480	1040	42	44	2	12						
COONA	A	E	140	120	160	4	54	40	2					20	
COONA	W	MXD	40	40	40	11	34			55				40	
COONA	A	E	20	0	80									36	
COONA	A	E	52	0	200									4	
COONA	H	W	980	240	3320	73	23	2	2						
COONA	H	E	212	0	520		60	40						20	
DUB	W	MXD	80	80	80									60	
DUB	A	E	8	0	40									8	
DUB	A	E	248	0	1280	1	46	20	33						
DUB	H	E	40	0	200									16	
DUB	W	E	0	0	0										
DUB	A	E	40	40	40										
DUB	A	E	80	40	120										
DUB	?	E & L	0	0	0									4	
DUB	A	E	60	40	80										
DUB	W	MXD	204	0	2000										
DUB	A	E	2120	40	8800										
DUB	W	MXD	20	0	40									180	
DUB	A	E	168	0	320	2	35	63						8	
DUB	H	E	340	240	440	28	28	44						60	
DUB	W	MXD	320	240	400		54	49		1				20	
DUB	H	E	580	440	720	67	9	22	2						
DUB	W	MXD	120	120	120		29	71						320	
FOR	W	MXD	100	0	320									16	
FOR	A	E	280	40	520		33	67						4	
FOR	A	E	308	40	640		61	39							
FOR	H	E	372	80	680		14	58	28					44	

AREA	AGE / SEX	Strongyle Eggs per Gram			Larval culture/differentiation					Liver fluke		Nematodirus		
		Mean	Low	High	Haem%	Trich%	Ost%	Oes%	Coop%	Count 1	Count 2	Mean	Low	High
FOR	A	E	20	0	40									
FOR	A	E	100	40	160									
FOR	A	E	0	0	0									20
FOR	A	E	320	280	360	19	52	6	23					
MOL	W	MXD	56	0	280									20
MOL	MXD	E	0	0	0									
MOL	W	MXD	40	0	80									
MOL	A	E	320	240	400									
MOL	L	MXD	0	0	0									40
MOL	A	MXD	160	120	200									
MOL	A	E	40	0	80									20
MOL	H	E	100	0	200									
MOL	A	MXD	100	80	120									
MOL	A	MXD	20	0	40									20
MOL	L	MXD	0	0	0									
MOL	L	MXD	32	0	200									340
MOL	H	W	164	0	640		49	51						4
MUD	H	E	20	0	40									
MUD	H	MXD	44	0	160									
MUD	A	E	56	0	160									12
MUD	A	E	20	0	40									
MUD	A	E	120	120	120									
MUD	H	W	200	80	320	1	74	12	13					
MUD	W	MXD	60	40	80									
MUD	H	E	360	120	880	1	73	10	16					4
MUD	A	E	211	0	560	44	18	19	19					
MUD	L	MXD	56	0	120									372
MUD	L	MXD	16	0	80									716
MUD	A	E	260	240	280	60	16		23	1				
MUD	A	E	320	280	360	12	54		34					
MUD	A	E	300	200	400	31	61		8					
MUD	A	W	184	0	680	19	16	5	60					
MUD	H	E	300	280	320	13	42	42	3					
MUD	A	W	48	0	120									24
MUD	W	MXD	260	0	600	2	88	2	8					40
MUD	L	MXD	120	120	120	1	59	34		6				20
MUD	?	?	280	160	400	1	37	53		9				200
YOU	A	E	0	0	0									
YOU	A	E	140	80	200									
YOU	H	E	20	0	40									
YOU	A	E	200	160	240									
YOU	A	E	180	40	320									20
YOU	A	E	260	160	360									
YOU	A	E	180	160	200									
YOU	A	E	220	200	240									
YOU	H	E	280	120	440									60
YOU	A	E	120	80	160									
YOU	H	E	60	0	120									40
YOU	A	E	180	160	200	10	40	37	13					
YOU	A	E	140	80	200	22	33	40	6					
YOU	MXD	E	300	160	440									
YOU	A	W	60	0	120									
YOU	L	MXD	20	0	40									
YOU	L	MXD	20	0	40									
YOU	L	MXD	40	0	80									60
YOU	H	E	140	120	160									
YOU	W	MXD	40	40	40									80
YOU	L	MXD	180	0	320									8
YOU	A	E	212	0	640									8
YOU	A	E	116	0	320		61	39						12
YOU	L	MXD	0	0	0									
YOU	L	MXD	0	0	0									
YOU	L	MXD	0	0	0									
YOU	A	E	140	120	160		61	10	29					

Data: Menangle

AREA	AGE / SEX		Strongyle Eggs per Gram			Larval culture/differentiation					Liver fluke		Nematodirus		
			Mean	Low	High	Haem%	Trich%	Ost%	Oes%	Coop%	Count 1	Count 2	Mean	Low	High
BOM	L	M	196	0	480			33		67			44		
BOM	A	M	364	40	840			59	41				16		
BRA	M	E	320	200	440			68	29		3	0	0		
BRA	A	E	28	0	80								0		
BRA	W	M	296	0	640								84		
BRA	H	M	100	40	160								0		
BRA	A	W	0	0	0								0		
BRA	A	E	120	40	200								0		
CMA	A	W	1456	0	9640							146	238		
CON	W	E	0	0	0								0		
GOU	A	E	96	0	320	66	8	24	2				12		
GOU	M	M	20	0	40								20		
GOU	L	M	40	0	80								20		
GOU	H	M	300	240	360								0		
GOU	M	M	240	40	440								0		
GOU	H	E	80	40	120								0		
GOU	L	M	80	40	120								120		
GOU	L	M	180	0	360								140		
HUM	H	E	100	80	120								0		
HUM	H	E	0	0	0								40		
HUM	A	E	20	0	40								0		
HUM	W	M	8	0	40								4		
HUN	A	E	20	0	80								0		
HUN	A	W	40	0	160								0		
MUR	W	M	72	0	240								24		
MUR	H	E	72	0	200								0		
MUR	W	M	24	0	120								0		
NAR	W	M	0	0	0								0		
RIV	A	E	28	0	80								0		
TAM	A	E	20	0	80								4		
YAS			52	0	160								0		
YAS	M	E	32	0	200								0		
YOU	H	E	4	0	40								0		
YOU	A	W	380	280	480			71	25	4			40		
YOU	L	M	0	0	0								20		
YOU	M	M	56	0	280								0		
YOU	W	M	16	0	40								32		
			Mean	Low	High	Haem%	Trich%	Ost%	Oes%	Coop%	Count 1	Count 2	Mean	Low	High

Data: VHR															
AREA	AGE / SEX	Strongyle Eggs per Gram			Larval culture/differentiation						Liver fluke		Nematodirus		
		Mean	Low	High	Haem%	Trich%	Ost%	Oes%	Coop%	Count 1	Count 2	Mean	Low	High	
ARMIDALE	n/a	Weaners	0	0	0	0	100	0	0	0	0	0	8	0	40
ARMIDALE	n/a	Ewes & lambs	0	0	0	46	35	19	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	0	0	0	100	0	0	0	0	0	0	4	0	40
ARMIDALE	n/a	Lambs	0	0	0	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	0	0	0	0	0	0	0	0	0	0	4	0	40
ARMIDALE	n/a	Mixed	4	0	40	80	13	7	0	0	0	0	0	0	0
ARMIDALE	n/a	Rams	4	0	40	100	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	8	0	80	0	38	61	0	1	0	0	0	0	0
ARMIDALE	n/a	Weaners	8	0	40	0	6	0	94	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	8	0	80	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	9	0	40	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	12	0	80	46	48	6	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	12	0	80	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	12	0	40	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Lambs	16	0	80	0	0	84	0	16	0	0	0	0	0
ARMIDALE	n/a	Ewes	16	0	80	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	20	0	80	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Hoggets	20	0	80	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Lambs	24	0	120	0	0	0	0	0	0	0	36	0	200
ARMIDALE	n/a	Wethers	28	0	160	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	32	0	240	0	0	0	0	0	0	0	4	0	40
ARMIDALE	n/a	Hoggets	36	0	80	0	92	8	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	36	0	160	69	23	8	0	0	0	0	0	0	0
ARMIDALE	n/a	Wethers	60	0	160	16	30	26	28	0	0	0	44	0	160
ARMIDALE	n/a	Ewes	60	0	240	30	53	17	0	0	0	0	0	0	0
ARMIDALE	n/a	Hoggets	60	0	160	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	60	0	200	0	0	0	0	0	0	0	4	0	40
ARMIDALE	n/a	Wethers	64	0	320	27	60	13	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	68	0	240	18	45	32	5	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	68	0	200	61	23	16	0	0	0	0	4	0	40
ARMIDALE	n/a	Hoggets	68	0	440	0	0	0	0	0	0	0	12	0	120
ARMIDALE	n/a	Ewes	75	0	440	2	83	15	0	0	0	0	40	0	200
ARMIDALE	n/a	Wethers	76	0	160	2	37	58	0	3	0	0	4	0	40
ARMIDALE	n/a	Ewes	76	0	200	0	0	0	0	0	0	0	16	0	160
ARMIDALE	n/a	Ewes & lambs	76	0	280	0	0	0	0	0	0	0	4	0	40
ARMIDALE	n/a	Hoggets	80	0	400	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	88	0	400	0	90	10	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	92	0	240	30	37	28	5	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	92	0	320	0	0	0	0	0	0	1	0	0	0
ARMIDALE	n/a	Ewes & lambs	96	0	280	0	71	29	0	0	0	0	0	0	0
ARMIDALE	n/a	Wethers	96	0	760	12	69	16	3	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	100	0	760	0	48	42	10	0	0	0	8	0	80
ARMIDALE	n/a	Ewes	100	0	440	87	11	0	2	0	0	0	0	0	0
ARMIDALE	n/a	Mixed	108	40	200	45	46	7	2	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	120	0	360	98	2	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	132	0	360	0	80	20	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	132	0	560	0	94	6	0	0	0	0	16	0	120
ARMIDALE	n/a	Mixed	132	0	760	80	15	5	0	0	0	0	8	0	80
ARMIDALE	n/a	Ewes & lambs	156	0	520	8	59	33	0	0	0	0	0	0	0
ARMIDALE	n/a	Wethers	156	0	600	79	10	7	4	0	0	0	24	0	160
ARMIDALE	n/a	Ewes	160	0	480	86	10	1	3	0	0	0	4	0	40
ARMIDALE	n/a	Ewes & lambs	160	0	400	93	4	3	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	160	0	560	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	164	0	760	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	172	80	440	70	18	12	0	0	0	0	0	0	0
ARMIDALE	n/a	Weaners	172	0	840	99	1	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Hoggets	184	0	480	84	5	5	4	2	1	0	16	0	40
ARMIDALE	n/a	Ewes	192	0	360	25	75	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	212	0	640	94	5	1	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	224	0	440	60	29	9	2	0	0	0	20	0	80
ARMIDALE	n/a	Ewes & lambs	236	40	920	86	12	2	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	268	80	520	89	9	2	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	280	0	960	75	19	2	4	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	288	0	760	100	0	0	0	0	0	0	4	0	40
ARMIDALE	n/a	Weaners	292	0	720	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Weaners	316	80	1200	85	11	2	2	0	0	0	0	0	0
ARMIDALE	n/a	Rams	348	0	1640	90	8	2	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	380	0	1000	92	8	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	380	0	1960	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Hoggets	412	200	840	18	57	25	0	0	0	0	0	0	0

AREA	AGE / SEX	Strongyle Eggs per Gram			Larval culture/differentiation					Liver fluke		Nematodirus			
		Mean	Low	High	Haem%	Trich%	Ost%	Oes%	Coop%	Count 1	Count 2	Mean	Low	High	
ARMIDALE	n/a	Ewes	420	40	720								0	0	0
ARMIDALE	n/a	Mixed sex	436	80	800	49	49	0	2	0	11		0	0	0
ARMIDALE	n/a	Mixed sex	436	80	800	49	49	0	2	0	11		8	0	80
ARMIDALE	n/a	Mixed sex	436	80	800	49	49	0	2	0	0		0	0	0
ARMIDALE	n/a	Mixed sex	436	80	800	49	49	0	2	0	0		4	0	40
ARMIDALE	n/a	Ewes	468	200	920	15	64	14	7	0	0		10	0	80
ARMIDALE	n/a	Rams	556	80	1320	8	56	13	23	0			8	0	40
ARMIDALE	n/a	Ewes	616	240	1040	98	2	0	0	0			4	0	40
ARMIDALE	n/a	Weaners	632	80	2240	97	0	0	2	1			0	0	0
ARMIDALE	n/a	Ewes	644	40	2280	50	26	19	5	0	0		36	0	120
ARMIDALE	n/a	Ewes & lambs	648	40	2200	85	9	2	4	0			4	0	40
ARMIDALE	n/a	Ewes	696	40	5000						0		12	0	80
ARMIDALE	n/a	Mixed	710	0	2560	88	9	1	0	2			8	0	80
ARMIDALE	n/a	Mixed sex	716	80	3200	98	1	1	0	0			4	0	40
ARMIDALE	n/a	Wethers	748	160	3440	83	15	1	1	0	10		0	0	0
ARMIDALE	n/a	Wethers	748	160	3440	83	15	1	1	0	10		12	0	120
ARMIDALE	n/a	Wethers	748	160	3440	83	15	1	1	0	0		0	0	0
ARMIDALE	n/a	Wethers	748	160	3440	83	15	1	1	0	0		8	0	40
ARMIDALE	n/a	Ewes	756	0	6560	80	17	1	2	0			5	0	40
ARMIDALE	n/a	Ewes	800	0	3200	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	892	40	2760	72	19	5	4	0	0		0	0	0
ARMIDALE	n/a	Hoggets	964	600	1640	75	18	7	0	0			8	0	40
ARMIDALE	n/a	Ewes	1148	160	2720	89	8	0	3	0			60	0	440
ARMIDALE	n/a	Hoggets	1172	80	2680	93	6	1	0	0			4	0	40
ARMIDALE	n/a	Weaners	1612	0	4440	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	1828	400	4320	100	0	0	0	0			4	0	40
ARMIDALE	n/a		2048	0	11480								0	0	0
ARMIDALE	n/a	Ewes	2376	600	4840	90	9	1	0	0			0	0	0
ARMIDALE	n/a	Weaners	3592	120	7800	99	0	1	0	0			0	0	0
ARMIDALE	n/a	Weaners	4752	1120	7640	98	0	0	2	0			0	0	0
ARMIDALE	n/a	Wethers									0		0	0	0
ARMIDALE	n/a	Wethers									0		0	0	0
ARMIDALE	n/a	Ewes									0		4	0	40
ARMIDALE	n/a	Ewes & lambs									87		12	0	80
ARMIDALE	n/a	Ewes & lambs									6		0	0	0
CENTRAL TABLELANDS	n/a	Ewes	20	0	80	0	82	18	0	0	0		36	0	160
CENTRAL TABLELANDS	n/a	Ewes	32	0	200	0	82	18	0	0	0		0	0	0
CENTRAL TABLELANDS	n/a	Ewes	52	0	200	0	88	12	0	0	0		0	0	0
CENTRAL TABLELANDS	n/a	Ewes	88	0	360	0	73	25	2	0	0		0	0	0
COOMA	n/a	Ewes	0	0	0	0	30	70	0	0			0	0	0
COONABARABRAN	n/a	Ewes	12	0	40	2	74	24	0	0			8	0	80
COONABARABRAN	n/a	Ewes	48	0	160	5	73	20	2	0			0	0	0
COONABARABRAN	n/a	Ewes	92	0	480	2	78	0	20	0			0	0	0
COONABARABRAN	n/a	Hoggets	124	0	280	50	24	26	0	0			0	0	0
COONABARABRAN	n/a	Ewes	476	40	1000	39	25	34	2	0			0	0	0
DUBBO	n/a	Hoggets	8	0	40	7	59	34	0	0			0	0	0
DUBBO	n/a	Ewes	384	0	1520	100	0	0	0	0			0	0	0
FORBES	n/a	Lambs	20	0	80								4	0	40
GRAFTON	n/a	Ewes & lambs	156	40	720						0		0	0	0
GRAFTON	n/a	Ewes & lambs	364	0	2040						1		0	0	0
HUNTER	n/a		164	0	680	14	59	13	14	0			0	0	0
HUNTER	n/a	Wethers	304	0	760	63	17	4	16	0			0	0	0
MAITLAND	n/a	Hoggets	0	0	0	0	0	0	0	0			0	0	0
MAITLAND	n/a	Hoggets	0	0	0	100	0	0	0	0			0	0	0
MAITLAND	n/a	Mixed	0	0	0								0	0	0
MAITLAND	n/a	Hoggets	4	0	40	100	0	0	0	0			0	0	0
MAITLAND	n/a	Hoggets	4	0	40	100	0	0	0	0			0	0	0
MAITLAND	n/a	Hoggets	16	0	120	100	0	0	0	0			0	0	0
MAITLAND	n/a	Hoggets	20	0	80	100	0	0	0	0			0	0	0
MAITLAND	n/a	Hoggets	48	0	160	77	17	6	0	0			0	0	0
MAITLAND	n/a	Hoggets	84	0	200	89	5	6	0	0			0	0	0
MAITLAND	n/a	Hoggets	116	0	320	93	2	4	1	0			8	0	80
MAITLAND	n/a	Hoggets	120	0	400	86	6	8	0	0			56	0	160
MAITLAND	n/a	Hoggets	192	40	440	80	9	8	3	0			4	0	40
MAITLAND	n/a	Hoggets	476	0	1440	100	0	0	0	0			0	0	0
MAITLAND	n/a	Hoggets	1016	80	3720	95	2	2	1	0			20	0	80
MUDGE	n/a	Ewes	160	0	400	21	49	17	13	0			0	0	0

AREA	AGE / SEX		Strongyle Eggs per Gram			Larval culture/differentiation					Liver fluke		Nematodirus		
			Mean	Low	High	Haem%	Trich%	Ost%	Oes%	Coop%	Count 1	Count 2	Mean	Low	High
MUDGEE	n/a	Ewes	296	0	1080	50	35	14	1	0			0	0	0
MUDGEE	n/a	Ewes & lambs	592	160	1800	61	21	5	13	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Wethers	24	0	80	72	6	1	21	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	32	0	120	100	0	0	0	0			8	0	40
NORTHERN NEW ENGLAND	n/a	Ewes	44	0	120	100	0	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Wethers	72	0	240								0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	76	0	280	13	64	4	19	0			8	0	80
NORTHERN NEW ENGLAND	n/a	Mixed	84	0	480	80	14	6	0	0	1		4	0	40
NORTHERN NEW ENGLAND	n/a	Ewes	96	0	360	0	61	32	7	0			12	0	80
NORTHERN NEW ENGLAND	n/a	Ewes & lambs	176	0	440	7	66	27	0	0			68	0	680
NORTHERN NEW ENGLAND	n/a	Ewes	220	40	480	63	18	16	3	0			12	0	40
NORTHERN NEW ENGLAND	n/a	Ewes	304	0	800	1	75	16	8	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Hoggets	564	0	1280	85	15	0	0	0			24	0	120
NORTHERN NEW ENGLAND	n/a	Ewes & lambs	1712	80	4440								0	0	0
TAMWORTH	n/a	Hoggets	0	0	0								0	0	0
TAMWORTH	n/a	Wethers	0	0	0								12	0	80
TAMWORTH	n/a	Weaners	20	0	80								0	0	0
TAMWORTH	n/a	Ewes	108	0	360	30	50	9	11	0			8	0	80
TAMWORTH	n/a	Ewes	132	0	400	100	0	0	0	0			0	0	0
TAMWORTH	n/a	Ewes	136	0	400	6	80	14	0	0			8	0	80
TAMWORTH	n/a	Wethers	220	0	760	95	4	0	1	0	0		0	0	0
WAGGA	n/a	Weaners	57	0	280	0	82	18	0	0			0	0	0
YASS	n/a		12	0	40								0	0	0
YASS	n/a	Ewes	80	0	240								0	0	0
YASS	n/a	Ewes	128	40	280	51	21	10	11	7	2		4	0	40
YASS	n/a	Ewes	140	0	360	42	37	7	12	2	0		0	0	0
YASS	n/a		216	80	640								0	0	0
YASS	n/a	Ewes	396	80	800								0	0	0