



wormfaxnsw

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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

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* 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 (28 Nov 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: 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	36	0	200		11	13			76			40		
BOM	W	E	40	0	80							0	0	0		
BOM	A	E	80	80	80		11	76	5		8			0		
BOM	W	M	296	0	880									0		
BRA	A	W	366	0	560	98			2					0		
GOU	M	M	340	240	440									40		
GUN	A	E	44	0	200									4		
HUN	A	E	348	0	800	44	47	4	3		2			0		
WAG	A	E	0	0	0									0		
WAG	A	E	8	0	40									0		
WAG	M	E	16	0	80									0		
WAG	H	E	20	0	160									0		
WAG	H	E	28	0	200									0		
WAG	L	M	29	0	120									17		
WAG	A	E	40	0	80									0		
WAG	H	E	44	0	120									20		
WAG	A	E	48	0	160									4		
WAG	M	E	60	0	200									4		
WAG	H	E	68	0	160									0		
WAG	A	E	88	0	240									0		
WAG	A	E	88	0	480									0		
WAG	A	E	104	0	300									0		
WAG	A	E	104	0	240		9	91						0		
WAG	A	E	132	0	440		62	18	20					0		
WAG	A	E	136	0	640		3	96	1					24		
WAG	A	E	212	0	640		4	76	19		1			0		
WAG	M	E	212	0	520		19	81						0		
WAG	A	E	224	80	720									4		

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	Rams	4	0	40	91	6	3	0	0	0	0	0	0	0
ARMIDALE	n/a	Weaners	48	0	120								0	0	0
ARMIDALE	n/a	Wethers	52	0	240								0	0	0
ARMIDALE	n/a	Ewes	56	0	320	87	13	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	56	0	320						36	0	0	0	0
ARMIDALE	n/a	Weaners	80	0	160	0	84	16	0	0	0	8	0	40	0
ARMIDALE	n/a	Weaners	88	0	240	10	90	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	88	0	280	93	2	2	0	3		0	0	0	0
ARMIDALE	n/a	Hoggets	100	0	360	82	14	2	0	2	0	4	0	40	0
ARMIDALE	n/a	Weaners	136	0	720	67	12	21	0	0		8	0	80	0
ARMIDALE	n/a	Wethers	136	40	520							0	0	0	0
ARMIDALE	n/a	Wethers	172	0	1080	0	70	30	0	0	2	0	0	0	0
ARMIDALE	n/a	Wethers	260	40	680	45	26	5	24	0		8	0	40	0
ARMIDALE	n/a	Weaners	276	0	560	65	12	16	0	7		24	0	120	0
ARMIDALE	n/a	Ewes	292	0	1200	47	20	26	7	0		0	0	0	0
ARMIDALE	n/a	Ewes	296	0	920	59	36	4	0	1		0	0	0	0
ARMIDALE	n/a	Ewes	328	120	680							0	0	0	0
ARMIDALE	n/a	Rams	344	80	1320							0	0	0	0
ARMIDALE	n/a	Ewes	424	80	760	16	65	19	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	456	200	680							4	0	40	0
ARMIDALE	n/a	Ewes	476	160	1080	96	4	0	0	0		0	0	0	0
ARMIDALE	n/a	Wethers	492	40	2280	0	98	0	2	0	0	16	0	160	0
ARMIDALE	n/a	Mixed sex	536	80	920							4	0	40	0
ARMIDALE	n/a	Ewes	696	0	1400	87	8	5	0	0		4	0	40	0
ARMIDALE	n/a	Wethers	720	0	1880	18	75	7	0	0	0	8	0	40	0
ARMIDALE	n/a	Ewes	756	40	3160	80	14	6	0	0		0	0	0	0
ARMIDALE	n/a	Ewes	844	40	2280	76	15	9	0	0		0	0	0	0
ARMIDALE	n/a	Ewes	904	40	2080	100	0	0	0	0	0	4	0	40	0
ARMIDALE	n/a	Weaners	1072	240	3280	91	3	1	5	0	0	12	0	40	0
ARMIDALE	n/a	Ewes	1212	0	3520							0	0	0	0
ARMIDALE	n/a	Wethers	1236	80	6440	87	7	4	2	0		4	0	40	0
ARMIDALE	n/a		1392	200	3000	76	13	8	3	0		16	0	80	0
ARMIDALE	n/a	Wethers	1420	240	3120	86	9	2	3	0		4	0	40	0
ARMIDALE	n/a	Ewes	1768	0	3880							0	0	0	0
ARMIDALE	n/a	Ewes & lambs	2012	0	4040	51	47	2	0	0		0	0	0	0
ARMIDALE	n/a	Ewes & lambs	2180	0	6480	87	12	1	0	0		4	0	40	0
ARMIDALE	n/a	Ewes	2220	0	4080	87	7	6	0	0		0	0	0	0
ARMIDALE	n/a	Ewes	2780	280	5120	96	3	1	0	0		4	0	40	0
COOMA	n/a	Hoggets	132	0	480	61	5	28	6	0		0	0	0	0
COONABARABRAN	n/a	Ewes	88	0	240	5	50	14	30	1		16	0	80	0
COONABARABRAN	n/a	Wethers	96	0	280	4	32	36	28	0		0	0	0	0
COONABARABRAN	n/a	Wethers	204	0	400	15	42	40	2	1		12	0	120	0
GUNDAGAI	n/a	Lambs	8	0	40	0	36	62	0	2		44	0	200	0
MAITLAND	n/a	Ewes	8	0	40							0	0	0	0
MAITLAND	n/a	Mixed	7412	0	28800	100	0	0	0	0	0	0	0	0	0
MUDGEES	n/a		0	0	0	0	50	50	0	0		0	0	0	0
MUDGEES	n/a	Wethers	64	0	160							0	0	0	0
MUDGEES	n/a	Mixed	164	0	600	75	8	17	0	0		80	0	320	0
MUDGEES	n/a	Wethers	588	80	1240							32	0	200	0
NARRABRI	n/a	Ewes	108	0	520	4	82	14	0	0		0	0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed sex	20	0	80	100	0	0	0	0		0	0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	24	0	160	100	0	0	0	0		0	0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	32	0	120							0	0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed sex	36	0	200	100	0	0	0	0		0	0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	60	0	120	15	75	10	0	0		16	0	120	0
NORTHERN NEW ENGLAND	n/a	Ewes	64	0	160	36	35	29	0	0	0	16	0	80	0
NORTHERN NEW ENGLAND	n/a	Mixed sex	96	0	240	39	57	4	0	0		0	0	0	0
NORTHERN NEW ENGLAND	n/a	Weaners	140	0	360	70	29	1	0	0		0	0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	160	40	600	88	9	1	0	2		0	0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	192	0	720	71	29	0	0	0		0	0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes & lambs	192	0	640	100	0	0	0	0		0	0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed sex	196	40	480	100	0	0	0	0		0	0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed sex	204	0	520	100	0	0	0	0		0	0	0	0
NORTHERN NEW ENGLAND	n/a	Hoggets	228	40	720	2	49	33	16	0		20	0	160	0

NORTHERN NEW ENGLAND	n/a	Ewes	284	0	960	86	7	7	0	0		4	0	40
NORTHERN NEW ENGLAND	n/a	Ewes	416	40	800							0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	456	160	1160	70	22	8	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed sex	908	0	2520	100	0	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	1136	640	1480	100	0	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed sex	1224	760	2200	86	12	2	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed sex	1400	0	5560	100	0	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	1512	40	3880	100	0	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed sex	1748	0	5760	94	6	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	1908	0	4440	93	7	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed sex	2676	0	9720	100	0	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed sex	5644	360	14320	94	6	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed sex	6368	1400	12520	94	6	0	0	0		0	0	0
TAMWORTH	n/a	Weaners	100	0	280	1	80	19	0	0		0	0	0
TAMWORTH	n/a		304	0	960							0	0	0
TAMWORTH	n/a		1068	320	2280	69	15	16	0	0		12	0	40
WALGETT	n/a	Ewes	116	0	240	35	40	25	0	0		0	0	0
YASS	n/a	Hoggets	12	0	120							4	0	40
YASS	n/a	Ewes & lambs	116	0	320							0	0	0
YASS	n/a	Ewes	416	0	1080	0	77	3	19	1	1	16	0	160
YOUNG	n/a	Lambs	0	0	0							48	0	240