



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 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.

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 table heading), 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-Merrivale	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 (January 2008). 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
ACT	A	E	100	40	130		2	98							0
BOM	M	M	20	0	80										12
BOM	M	E	100	0	400		26	71	3						8
BOM	A	E	188	40	400						1348	900			0
BOM	M	M	228	0	520		33	48	19						8
BOM	M	M	240	200	280	22	20	44	9	5					20
BOM	H	E	300	280	320	6	19	27	48						0
BRA	H	E	75	0	160						15	58			0
BRA	M	M	300	160	440	86	5	6		3					20
CMA	H	E	160	0	280	1	50	44	5		0	0			8
CON	A	E	24	0	80										12
CON	H	E	36	0	80										16
FOR	A	W	0	0	0										0
GOU	L	M	40	0	80										80
GOU	M	M	188	0	560	2	88	9	1						0
GOU	H	E	560	520	600										0
GOU	H	E	1080	320	1840										0
HUM	A	W	0	0	0										0
HUM	W	M	0	0	0										20
HUM	A	E	40	40	40										0
HUM	A	E	100	80	120										0
HUM	A	E	104	0	280		92	6	2						0
HUM	W	M	260	240	280										60
HUM	A	E	420	280	560										0
HUM	A	E	420	320	520										0
HUM	W	W	468	120	1040		27	73							28
HUN	A	E	172	0	800	77	19	1	3						0
MOS	M	M	1712	0	4760		97	3							0
RIV	A	E	24	0	120										4
RIV	L	E	60	0	120										80
RIV	A	E	116	0	400										0
WAG	A	E	0	0	0										0
WAG	A	E	20	0	40										0
WAG	A	E	60	0	160										4
WAG	A	E	76	0	240										4
YAS	A	E	0	0	0										0
YAS	A	E	4	0	40										0
YAS	L	M	4	0	40						0	0			112
YAS	H	E	28	0	80										16
YAS	L	M	492	160	1000		18	82							64
YOU	A	E	0	0	0										0
YOU	L	W	4	0	40										12
YOU	L	M	40	0	80										328
YOU	A	E	40	40	40										0

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
YOU	W	MXD	0	0	0										
YOU	A	E	260	0	560		65	10	25						
YOU	MXD	E	0	0	0										
YOU	W	MXD	80	40	120								340		
YOU	A	E	140	120	160										
YOU	A	E	332	40	840										
YOU	L	?	80	0	160								200		
YOU	H	E	40	0	240								52		

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	Wethers	0	0	0								0	0	0
ARMIDALE	n/a	Mixed	4	0	40	18	81	0	1	0			0	0	0
ARMIDALE	n/a	Ewes	8	0	40								0	0	0
ARMIDALE	n/a	Weaners	15	0	80								5	0	40
ARMIDALE	n/a	Ewes	16	0	40	100	0	0	0	0	0		0	0	0
ARMIDALE	n/a	Ewes	16	0	80								0	0	0
ARMIDALE	n/a	Ewes & lambs	16	0	80								0	0	0
ARMIDALE	n/a	Ewes & lambs	16	0	80								0	0	0
ARMIDALE	n/a	Weaners	31	0	240								0	0	0
ARMIDALE	n/a	Ewes	40	0	200	0	58	22	20	0			0	0	0
ARMIDALE	n/a	Wethers	48	0	200								0	0	0
ARMIDALE	n/a	Ewes & lambs	52	0	280	95	4	1	0	0	0		0	0	0
ARMIDALE	n/a	Wethers	52	0	200								8	0	40
ARMIDALE	n/a	Ewes	56	0	360								0	0	0
ARMIDALE	n/a	Ewes	60	0	280	14	81	4	1	0	0		0	0	0
ARMIDALE	n/a	Ewes & lambs	60	0	160						0		0	0	0
ARMIDALE	n/a	Ewes	72	0	200	35	1	6	2	56			0	0	0
ARMIDALE	n/a	Ewes	80	0	320	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Mixed sex	88	0	360	28	57	15	0	0			12	0	40
ARMIDALE	n/a	Ewes	96	0	400	0	75	25	0	0	0		0	0	0
ARMIDALE	n/a	Ewes & lambs	96	0	600	80	13	7	0	0	1		0	0	0
ARMIDALE	n/a	Weaners	96	0	440								12	0	80
ARMIDALE	n/a	Ewes & lambs	116	0	600	0	84	12	4	0			0	0	0
ARMIDALE	n/a	Mixed	116	0	440								8	0	40
ARMIDALE	n/a	Wethers	128	0	640	1	97	2	0	0			0	0	0
ARMIDALE	n/a	Ewes	128	0	480	12	79	9	0	0			0	0	0
ARMIDALE	n/a	Wethers	128	40	240	95	5	0	0	0	0		0	0	0
ARMIDALE	n/a	Rams	132	0	1000								0	0	0
ARMIDALE	n/a	Rams	136	0	400	37	49	14	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	136	0	640								12	0	80
ARMIDALE	n/a	Weaners	148	0	520	0	82	18	0	0			12	0	80
ARMIDALE	n/a	Lambs	148	40	440	31	45	24	0	0			8	0	40
ARMIDALE	n/a	Weaners	156	0	520	69	17	14	0	0			64	0	240
ARMIDALE	n/a	Ewes	156	0	1160	76	13	11	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	176	0	440	17	54	29	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	176	40	480	76	17	7	0	0	0		0	0	0
ARMIDALE	n/a	Wethers	180	0	1200	43	46	11	0	0			0	0	0
ARMIDALE	n/a	Ewes	184	0	920	18	75	7	0	0			0	0	0
ARMIDALE	n/a	Hoggets	192	0	920								4	0	40
ARMIDALE	n/a	Wethers	204	0	920	20	55	9	16	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	213	0	440	96	0	2	0	2			0	0	0
ARMIDALE	n/a	Wethers	220	0	840	90	10	0	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	228	0	680	5	95	0	0	0	0		0	0	0
ARMIDALE	n/a	Ewes & lambs	232	0	920	45	48	7	0	0			0	0	0
ARMIDALE	n/a	Hoggets	236	40	520	9	81	8	2	0	0		0	0	0
ARMIDALE	n/a	Hoggets	252	0	920	10	70	20	0	0			24	0	240
ARMIDALE	n/a	Ewes & lambs	280	0	800	100	0	0	0	0			20	0	200
ARMIDALE	n/a	Ewes	284	0	800	61	19	0	20	0			4	0	40
ARMIDALE	n/a	Ewes & lambs	288	0	1480	3	80	15	2	0			0	0	0
ARMIDALE	n/a	Ewes	292	0	640	17	83	0	0	0			4	0	40
ARMIDALE	n/a	Lambs	300	0	680	40	14	32	8	6			20	0	80
ARMIDALE	n/a	Ewes	308	0	1120	8	89	2	1	0			8	0	80
ARMIDALE	n/a	Ewes	312	0	840	11	88	1	0	0	0		0	0	0
ARMIDALE	n/a	Wethers	312	0	920	23	67	10	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	312	0	1120	64	25	9	2	0			0	0	0
ARMIDALE	n/a	Hoggets	340	0	1400	87	10	3	0	0			16	0	120
ARMIDALE	n/a	Wethers	376	0	2880	91	4	5	0	0			0	0	0
ARMIDALE	n/a	Wethers	376	0	1960	97	3	0	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	392	0	2320	66	24	3	4	3			0	0	0
ARMIDALE	n/a	Wethers	396	0	1320	91	9	0	0	0			40	0	120
ARMIDALE	n/a	Ewes	404	0	1000	7	81	12	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	408	40	1280								0	0	0
ARMIDALE	n/a	Ewes	432	0	1360	18	76	6	0	0			0	0	0

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		456	120	800	66	14	20	0	0			0	0	0
ARMIDALE	n/a	Wethers	458	80	1880								0	0	0
ARMIDALE	n/a	Ewes	480	40	1240	93	5	2	0	0			0	0	0
ARMIDALE	n/a	Weaners	496	160	1200	2	75	16	7	0			44	0	160
ARMIDALE	n/a	Ewes & lambs	540	0	2120	60	37	3	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	576	0	1400	90	6	3	1	0			0	0	0
ARMIDALE	n/a	Hoggets	608	320	1200	89	5	6	0	0			40	0	200
ARMIDALE	n/a	Ewes	612	0	1600								16	0	80
ARMIDALE	n/a	Ewes & lambs	640	160	1400	38	52	8	2	0			0	0	0
ARMIDALE	n/a	Ewes	708	120	1520	46	33	13	8	0			4	0	40
ARMIDALE	n/a	Ewes & lambs	744	0	2520	45	51	3	1	0			0	0	0
ARMIDALE	n/a	Ewes	744	160	1920	97	3	0	0	0			24	0	80
ARMIDALE	n/a	Ewes & lambs	748	40	2320	89	6	4	1	0			0	0	0
ARMIDALE	n/a	Hoggets	792	120	1360	100	0	0	0	0			16	0	40
ARMIDALE	n/a	Ewes & lambs	820	0	1920	85	14	1	0	0	0		0	0	0
ARMIDALE	n/a	Ewes & lambs	884	0	3040	85	13	1	0	1			0	0	0
ARMIDALE	n/a	Ewes	912	80	2080	14	74	8	4	0			0	0	0
ARMIDALE	n/a	Wethers	928	360	1680	18	74	7	1	0			56	0	160
ARMIDALE	n/a	Hoggets	964	120	1880	98	0	2	0	0			20	0	80
ARMIDALE	n/a	Hoggets	980	440	1720	100	0	0	0	0			12	0	80
ARMIDALE	n/a	Ewes	1080	0	3520								0	0	0
ARMIDALE	n/a	Ewes	1220	0	2440	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	1284	0	4120	93	6	1	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	1332	0	4480	96	3	1	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	1496	0	6120	100	0	0	0	0			96	0	200
ARMIDALE	n/a	Wethers	1500	160	7240								0	0	0
ARMIDALE	n/a	Ewes & lambs	1600	40	4160	96	4	0	0	0	0		0	0	0
ARMIDALE	n/a	Ewes	1916	680	3600	100	0	0	0	0			36	0	240
ARMIDALE	n/a	Ewes & lambs	26080	0	4400	96	3	1	0	0			640	0	80
CENTRAL TABLELANDS	n/a	Weaners	256	0	1120	0	80	20	0	0	0		300	80	480
COOMA	n/a	Wethers	412	0	1200	91	7	0	2	0	0		0	0	0
COOMA	n/a	Ewes	632	0	1200	89	10	1	0	0	0		0	0	0
COONABARABRAN	n/a	Weaners	0	0	0	0	0	0	0	0			52	0	200
COONABARABRAN	n/a	Weaners	0	0	0	0	0	0	0	0			16	0	80
COONABARABRAN	n/a	Weaners	0	0	0								12	0	40
COONABARABRAN	n/a	Wethers	56	0	200	0	96	4	0	0			0	0	0
COONABARABRAN	n/a	Ewes	100	0	280	10	17	50	23	0			0	0	0
HUNTER	n/a	Ewes	372	0	1640	0	89	11	0	0			24	0	240
MAITLAND	n/a	Wethers	96	0	440	0	80	1	19	0			0	0	0
MOREE	n/a	Ewes	28	0	200	100	0	0	0	0			36	0	160
MUDGEES	n/a	Lambs	12	0	80	24	24	19	30	3			176	0	560
MUDGEES	n/a	Rams	80	0	240	63	18	19	0	0			4	0	40
NARRABRI	n/a	Lambs	4	0	40								44	0	240
NARRABRI	n/a	Ewes & lambs	1056	80	2720	93	7	0	0	0	0		16	0	80
NORTHERN NEW ENGLAND	n/a	Ewes & lambs	8	0	40	0	100	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Wethers	9	0	40								0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	176	0	840	42	31	14	13	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	296	40	1120	50	25	24	1	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	344	0	560	96	0	3	1	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes & lambs	384	0	1160	100	0	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Hoggets	476	40	1200	78	19	1	2	0			16	0	160
NORTHERN NEW ENGLAND	n/a	Ewes	524	0	1320	100	0	0	0	0	0		12	0	80

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
NORTHERN NEW ENGLAND	n/a	Lambs	584	0	2240	71	18	10	1	0			96	0	520
NORTHERN NEW ENGLAND	n/a	Ewes	620	0	1200	79	20	1	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes & lambs	640	0	1280								8	0	80
NORTHERN NEW ENGLAND	n/a		780	0	3360	100	0	0	0	0			8	0	80
NORTHERN NEW ENGLAND	n/a	Ewes	1036	80	2480	71	28	1	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes & lambs	2388	80	9080	89	11	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Lambs	36960	200	1640								0	0	0
NORTHERN SLOPES	n/a	Ewes	132	0	480	79	14	0	7	0	0		0	0	0
WAGGA	n/a	Lambs	0	0	0	0	67	32	0	1			48	0	200
WAGGA	n/a	Lambs	20	0	80	0	75	25	0	0			72	0	320
WAGGA	n/a	Lambs	28	0	80	0	81	19	0	0			20	0	120
WALGETT	n/a	Weaners	0	0	0						0		16	0	40
YASS	n/a	Ewes	84	0	200						0		0	0	0
YASS	n/a		88	0	480								0	0	0
YASS	n/a	Weaners	96	0	280						0		60	0	480
YOUNG	n/a	Ewes	128	0	800	6	73	20	1	0			0	0	0
YOUNG	n/a	Ewes	184	0	560	43	30	10	17	0			0	0	0