



wormfaxnsw

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WormFax is based on sheep WormTest (worm egg count (WEC) monitoring) data from the Industry and Investment NSW Veterinary Laboratory at Camden/Menangle (EMAI), as well as from Armidale-based private laboratory, Veterinary Health Research (VHR). 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 Industry & Investment NSW - Primary Industries 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.

WormFax is based on sheep WormTest (faecal worm egg count (WEC) monitoring) data from the **Industry & Investment NSW Veterinary Laboratory** at Camden/Menangle (EMAI) (the Orange and Wollongbar labs closed on 30 June 2009) as well as from Armidale-based private laboratory, **Veterinary Health Research** (VHR). Owner details are not disclosed.

Districts

Rural Lands Protection Board districts (RLPBs) were **replaced by LHPAs** (Livestock Health and Protection Authorities) in January 2009. For a time, areas/districts in this publication will appear as RLPBs and/or LHPAs. See <http://www.lhpa.org.au/>

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":

<http://www.dpi.nsw.gov.au/agriculture/livestock/sheep/health-internal>
and WormBoss: www.wormboss.com.au

Industry & Investment NSW Veterinary Lab:

<http://www.dpi.nsw.gov.au/aboutus/services/das/veterinary>



Industry &
Investment

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"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 **CLOSED June 2009**

* Wollongbar - tel (02) 6626 1103 **CLOSED June 2009**

Private laboratory contributing data to WormFax:

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



Map: 'Worm control regions' and former (pre Jan 09) Rural Lands Protection Boards

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The information contained in this publication is based on knowledge and understanding at the time of writing (October 2009). 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.

RLPB District (pre Jan '09)	LHPA (post Jan '09)
(ACT)	
Armidale	ARM
Balranald	BAL
Bombala	BOM
Bourke	
Braidwood	BRA
Brewarrina	BRE
Broken Hill	
Casino	
Central Tablelands	CNT
Cobar	
Condobolin	
Cooma	COOM
Coonabarabran	COON
Coonamble	CBL
Dubbo	DUB
Forbes	
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 England	NNE
Northern Slopes	NS
Nyngan	NYN
Riverina	
South Coast	STC
Tamworth	TAM
Tweed	
Wagga	WAG
Walgett	WAL
Wanaaring	
Wentworth	
Wilcannia	
Yass	YAS
Young	

New England
 Western
 South East
 Darling
 South East
 Darling
 Western
 North Coast
 Tablelands
 Darling
 Lachlan
 South East
 Central North
 Central West
 Central West
 Lachlan
 Mid-Coast
 Tablelands
 North Coast
 Hume
 Riverina
 Western
 Hume
 Mid-Coast
 Mid Coast
 Cumberland/Mid-Coast
 Western
 Central West/Tablelands
 North West
 Cumberland
 Central North
 Riverina
 Riverina
 North West
 New England
 North West
 Central West
 Riverina
 South East
 Central North
 North Coast
 Hume
 North West
 Darling
 Western
 Western
 Tablelands
 Lachlan

Area	Age	Sex	trongyle Av	Strong Min	Strong Max	% Haem.	% Tri	% Ost.	% Co	% Oes.	Liver Fluke	Stomach Fluke	Nematodirus Avg	Nemat Min	Nemat Max
ARMIDALE	n/a	Weaners	0	0	0	0	0	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	0	0	0	0	0	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	0	0	0						3		0	0	0
ARMIDALE	n/a	Ewes	4	0	40						0		0	0	0
ARMIDALE	n/a	Wethers	16	0	160								0	0	0
ARMIDALE	n/a	Weaners	28	0	120	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Wethers	30	0	80						0		0	0	0
ARMIDALE	n/a	Weaners	44	0	400	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	76	0	320	38	23	39	0	0	0		0	0	0
ARMIDALE	n/a	Ewes	76	40	160	50	50	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	93	0	480								0	0	0
ARMIDALE	n/a	Wethers	110	80	160	0	91	9	0	0			0	0	0
ARMIDALE	n/a	Weaners	112	0	400	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	136	0	360	99	0	1	0	0	23		0	0	0
ARMIDALE	n/a	Wethers	152	0	560	19	47	33	0	1	0		0	0	0
ARMIDALE	n/a	Ewes	152	0	440	100	0	0	0	0			4	0	40
ARMIDALE	n/a	Wethers	180	0	480	0	84	14	0	2	18		0	0	0
ARMIDALE	n/a	Wethers	190	80	280						4		0	0	0
ARMIDALE	n/a	Ewes	216	0	680	30	56	14	0	0			0	0	0
ARMIDALE	n/a	Wethers	230	200	280	0	95	2	0	3	0		0	0	0
ARMIDALE	n/a	Hoggets	244	0	880	10	28	56	6	0			0	0	0
ARMIDALE	n/a	Weaners	260	40	640								0	0	0
ARMIDALE	n/a	Hoggets	284	0	920	49	28	17	6	0			0	0	0
ARMIDALE	n/a	Wethers	308	80	640	100	0	0	0	0	284		0	0	0
ARMIDALE	n/a	Wethers	320	0	1480	0	96	1	0	3	2		0	0	0
ARMIDALE	n/a	Hoggets	324	40	1200	51	47	2	0	0			8	0	80
ARMIDALE	n/a	Ewes	328	0	600	14	45	41	0	0	3		12	0	120
ARMIDALE	n/a	Ewes	352	0	1000	61	27	12	0	0	0		0	0	0
ARMIDALE	n/a	Ewes	396	0	960	65	27	4	3	1	0		0	0	0
ARMIDALE	n/a	Weaners	415	200	840	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	472	0	1240	0	79	15	0	6			4	0	40
ARMIDALE	n/a	Ewes	484	80	920	98	2	0	0	0			0	0	0
ARMIDALE	n/a		524	40	1120	18	68	14	0	0			4	0	40
ARMIDALE	n/a	Wethers	532	0	2400	100	0	0	0	0	1		4	0	40
ARMIDALE	n/a	Ewes	536	120	1240	49	29	15	0	7			4	0	40
ARMIDALE	n/a	Ewes	536	0	1360	81	15	4	0	0			0	0	0
ARMIDALE	n/a	Ewes	556	80	1360	64	34	1	0	1			0	0	0
ARMIDALE	n/a	Wethers	588	0	1320	11	87	2	0	0			0	0	0
ARMIDALE	n/a	Weaners	596	40	1000	47	41	10	2	0			48	0	120
ARMIDALE	n/a	Wethers	610	480	800	0	100	0	0	0	2		0	0	0
ARMIDALE	n/a	Ewes	692	0	2480	45	44	6	0	5			0	0	0
ARMIDALE	n/a	Ewes	716	80	1600	95	4	0	0	1			0	0	0
ARMIDALE	n/a	Ewes	796	120	2960	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	880	80	2080	74	20	5	0	1			0	0	0
ARMIDALE	n/a	Weaners	1108	0	2000	77	20	0	3	0			24	0	120
ARMIDALE	n/a	Ewes	1120	0	2720	61	35	4	0	0			0	0	0
ARMIDALE	n/a	Weaners	1152	160	2840	94	3	1	2	0			0	0	0
ARMIDALE	n/a	Wethers	1160	280	2960	11	86	0	0	3			0	0	0
ARMIDALE	n/a	Ewes	1224	240	3360	98	1	1	0	0			8	0	40
ARMIDALE	n/a	Weaners	1280	680	2240	83	17	0	0	0	0		0	0	0
ARMIDALE	n/a	Ewes	1568	360	4480	87	11	2	0	0			0	0	0
ARMIDALE	n/a	Mixed sex	2060	640	4600	1	96	3	0	0			0	0	0
ARMIDALE	n/a	Hoggets	2672	440	6240	49	49	1	0	1			28	0	120
ARMIDALE	n/a	Ewes	3740	1080	6400	100	0	0	0	0			4	0	40
ARMIDALE	n/a	Weaners	32000	120	2080	80	20	0	0	0	0		320	0	40
ARMIDALE	n/a					100	0	0	0	0					
COOMA	n/a	Weaners	36	0	160	0	79	17	0	4	0		16	0	120
COOMA	n/a	Weaners	96	0	280	18	61	11	0	10	1		40	0	280
COOMA	n/a	Hoggets	384	200	840	30	34	23	0	13			16	0	40
COONAMBLE	n/a	Ewes	116	0	400	77	19	4	0	0			0	0	0
GOULBURN	n/a	Ewes	0	0	0						0		0	0	0
HILLSTON	n/a	Ewes	580	0	2280	0	92	8	0	0			36	0	200
HILLSTON	n/a	Ewes & lambs	648	0	1800	0	93	6	0	1			0	0	0
HUME	n/a	Hoggets	62	0	160	0	88	12	0	0			0	0	0
HUNTER	n/a	Ewes	148	0	320	28	42	30	0	0			8	0	40
MOREE	n/a	Weaners	2624	800	5160	100	0	0	0	0			0	0	0
MUDGEE	n/a	Ewes	192	0	600	10	83	2	0	5			0	0	0
MUDGEE	n/a	Wethers	428	40	1320	10	84	3	0	3	0		0	0	0
MUDGEE	n/a	Ewes & lambs	508	0	1680	1	98	1	0	0			0	0	0
MUDGEE	n/a	Ewes	744	160	2080	0	97	3	0	0			8	0	80
NARRABRI	n/a	Mixed	412	0	1800	97	2	1	0	0			8	0	40
NORTHERN NEW ENGLAND	n/a	Ewes	0	0	0	0	0	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	24	0	120	83	17	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	180	0	760	55	35	10	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	420	0	1440	100	0	0	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a		440	120	1560	100	0	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	524	0	1680	84	16	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Weaners	742	0	1840	75	24	1	0	0			22	0	80
NORTHERN NEW ENGLAND	n/a	Ewes	884	80	2440	81	17	2	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Weaners	932	160	2360	60	29	5	5	1			12	0	40
NORTHERN NEW ENGLAND	n/a	Ewes	968	120	2440	89	11	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Hoggets	1216	40	3160								0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	1376	80	4400	100	0	0	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	3948	0	12400	100	0	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Hoggets	5268	320	14920	100	0	0	0	0	6		12	0	40
TAMWORTH	n/a	Ewes	20	0	120								0	0	0
TAMWORTH	n/a	Ewes	64	0	160	100	0	0	0	0			0	0	0
TAMWORTH	n/a		97	0	320	49	42	0	0	9			23	0	120
TAMWORTH	n/a	Ewes	148	0	560	44	56	0	0	0			0	0	0
TAMWORTH	n/a	Ewes	428	0	1080	99	0	1	0	0			4	0	40
TAMWORTH	n/a	Ewes	908	0	8520	86	14	0	0	0	0		0	0	0
TAMWORTH	n/a	Hoggets	916	40	3680	11	85	4	0	0			0	0	0
TAMWORTH	n/a	Ewes & lambs	1704	480	3880	90	6	4	0	0			4	0	40
TAMWORTH	n/a	Ewes	2808	0	7920	82	18	0	0	0			0	0	0
WAGGA	n/a	Ewes	88	0	280	0	86	14	0	0			0	0	0
YASS	n/a	Ewes	64	0	120	23	50	23	0	4	0		8	0	80
YASS	n/a	Ewes	248	40	520	0	83	17	0	0			40	0	280
YASS	n/a	Wethers	448	40	1040	0	83	4	0	13	0		4	0	40

Area	LHPA Area	Age	Sex	Egg count			Nematodirus	Larval diff %		Ost	C	Oes	Fluke	
				EPG	low	high		H	T					
BAL		A	M	1844	0	3320	16		95	5				
BAL		L	M	3640	2960	4320	40							
BOM	South East	W	M	124	0	320	12	14	31	3		52		
BOM	South East	H	E	128	0	360	128							
BOM	South East	A	W	140	80	200	40							
BRA	South East	H	M	80	80	80	60							
BRA	South East	A	E	260	200	320	20							
CBL	Central West	H	E	120	80	160	0		72	5		23		
CBL	Central West	H	E	220	200	240	20	1	94	2		3		
CBL	Central West	M	E	220	40	400	0	2	89	5		4		
CBL	Central West	M	M	300	160	440	0	8	78	12		2		
CBL	Central West	M	M	360	40	680	0	4	94	2				
CBL	Central West	M	E	820	680	960	20	3	93	4				
CBL	Central West	A	E	900	320	1680	52	9	83	7		1		
CBL	Central West	M	M	1140	720	1560	0	3	90	5		2		
CBL	Central West	M	E	1260	760	1760	0	3	89	8				
CMA	South East	H	M	188	0	600	0							
CMA	South East	H	R	532	200	1200	472						0	0
COO	Central North	A	W	460	40	1640	20							
COO	Central North	M	E	812	0	2040	0	66	24		4	6		
COO	Central North	H	E	1060	320	2000	40	89	11					
COO	Central North	H	M	1244	80	4520	0	33	61	2		4		
CTL	Tablelands	H	E	132	40	320	20							
CTL	Tablelands	A	E	560	400	720	60	35	43	17		5		
CTL	Tablelands	A	E	596	0	1760	88	36	56	4		4	44	11
CTL	Tablelands	M	M	2412	0	16000	12	1	87	12				
CTL		A	E	0	0	0	0							
CTL		W	W	0	0	0	0							
CTL		M	E	304	0	920	0		95	5				
CTL		W	E	340	280	400	80							
DUB	Central West	L	M	0	0	0	0							
DUB	Central West	W	M	8	0	40	20							
DUB	Central West	M	E	52	0	200	4							
DUB	Central West	W	M	60	40	80	0							
DUB	Central West	L	M	220	120	320	100							
DUB	Central West	A	E	336	0	1520	4							
DUB	Central West	H	M	740	0	1360	4							
DUB	Central West	A	E	920	600	1240	0							
FOR	Lachlan	A	E	0	0	0	0							
FOR	Lachlan	W	M	480	440	520	40	12	24	63	1			
GOU	Tablelands	H	E	1348	40	4920	8	8	76	11		5		
GUN	Hume	H	E	60	40	80	40							
GUN	Hume	M	M	120	80	160	0							
GUN	Hume	H	M	292	80	480	96		50	50				
HUM	Hume	A	E	72	0	200	0							
HUM	Hume	H	E	100	40	160	0		76	24				
HUM	Hume	L	M	120	120	120	60		16	84				
HUM	Hume	A	E	540	200	880	0		94	6				
MOL	Tablelands	M	E	0	0	0	0							
MOL	Tablelands	W	M	52	0	320	12							
MOL	Tablelands	M	M	92	0	760	0							
MOL	Tablelands	A	M	500	240	760	0							
MOL	Tablelands	A	E	560	440	680	0	99	1					
MOL	Tablelands	A	E	900	240	1560	40	97	1	2				
MOL	Tablelands	M	E	1180	1120	1240	0							
MUD	Central North	W	M	12	0	80	0							
MUD	Central North	A	E	100	0	280	0	13	85	2				
MUD	Central North	A	M	200	160	240	0							
MUD	Central North	H	M	220	200	240	120		29	71				
MUD	Central North	W	M	320	280	360	0	13	24	63				
MUD	Central North	W	E	408	40	1080	76							
MUD	Central North	W	M	468	200	1760	84	73	13	10		4		
MUD	Central North	H	M	504	160	920	4	5	76	12		7		
MUD	Central North	A	E	512	80	1080	0	63	30	7				
MUD	Central North	A	E	564	0	1080	8	3	80	14		3		
MUD	Central North	M	M	940	0	2960	12		65	6		29	0	0
MUD	Central North	M	E	1432	120	8280	0	93	7					
MUD	Central North	A	E	2460	520	4960	4	11	80	8		1		
MUD	Central North	M	M	5088	2600	10600	0	98	2					
NAR	Riverina	A	E	8	0	40	0							
NAR	Riverina	M	E	112	0	280	8		67	33				
NAR	Riverina	A	E	512	80	1600	0							
NAR	Riverina	W	M	960	320	1320	104							
NBR	North West	M	M	1548	200	7080	0	99	1					
RIV	Deniliquin	M	M	964	240	2760	48	2	74	24				
RIV	Riverina	H	E	136	0	720	72							
WAG	Hume	H	E	20	0	40	0							
WAG	Hume	W	M	100	40	160	0							
WAG	Hume	M	E	160	120	200	0		70	22		8		
WAG	Hume	W	M	256	40	520	132		28	72				
YAS	Tablelands	A	E	12	0	120	0						1	0
YAS	Tablelands	H	M	72	0	320	4							
YAS	Tablelands	H	E	160	120	200	0		14	86				
YAS	Tablelands	H	W	460	400	520	60		16	62		22		
YOU	Lachlan	W	M	0	0	0	0							
YOU	Lachlan	A	M	0	0	0	0							
YOU	Lachlan	H	E	20	0	40	0							
YOU	Lachlan	H	E	96	0	720	8		7	93				
YOU	Lachlan	H	E	104	0	320	28		31	38	1			
YOU	Lachlan	W	W	120	80	160	0							
YOU	Lachlan	A	E	120	40	200	0							
YOU	Lachlan	M	E	212	0	1080	0							
YOU	Lachlan	H	E	280	80	480	0							
YOU	Central Tablelands	A	E	860	520	1200	0						0	0
YOU	Lachlan	H	M	12	0	40	4							
YOU	Lachlan	A	E	164	0	400	0	1	9	90				
YOU	Lachlan	A	E	272	0	720	0		41	50		9		
YOU	South East	W	M	60	40	80	40							