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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>

and WormBoss: www.wool.com/wormboss

Industry & Investment NSW Veterinary Lab:

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

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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 (January 2010). 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	New England
Balranald	BAL	Western
Bombala	BOM	South East
Bourke		Darling
Braidwood	BRA	South East
Brewarrina	BRE	Darling
Broken Hill		Western
Casino		North Coast
Central Tablelands	CNT	Tablelands
Cobar		Darling
Condobolin		Lachlan
Cooma	COOM	South East
Coonabarabran	COON	Central North
Coonamble	CBL	Central West
Dubbo	DUB	Central West
Forbes		Lachlan
Gloucester		Mid-Coast
Goulburn	GOUL	Tablelands
Grafton		North Coast
Gundagai	GUN	Hume
Hay	HAY	Riverina
Hillston	HIL	Western
Hume	HUM	Hume
Hunter	HUN	Mid-Coast
Kempsey		Mid-Coast
Maitland		Cumberland/Mid-Coast
Milparinka		Western
Molong	MOL	Central West/Tablelands
Moree		North West
Moss Vale		Cumberland
Mudgee-Merriwa	MUD	Central North
Murray	MUR	Riverina
Narranderra	NAR	Riverina
Narrabri	NBR	North West
Northern New England	NNE	New England
Northern Slopes	NS	North West
Nyngan	NYN	Central West
Riverina		Riverina
South Coast	STC	South East
Tamworth	TAM	Central North
Tweed		North Coast
Wagga	WAG	Hume
Walgett	WAL	North West
Wanaaring		Darling
Wentworth		Western
Wilcannia		Western
Yass	YAS	Tablelands
Young		Lachlan

Map (2009): Livestock Health and Pest Authorities (LPHAs; large font) and former (pre Jan 09) Rural Lands Protection Boards



2009		Area	LHPA Area	Age	Sex	Egg count			Nematodir	Larval diff %		Ost	C	Oes	Fluke	
Date	Job No					EPG	low	high		H	T					
7/12/2009	M09-12309	COO	Central North	A	E	0	0	0	0							
9/12/2009	M09-12307	MUD	Central North	L	M	0	0	0	0						0	0
29/12/2009	M09-12949	MUD	Central North	W	M	176	0	440	56	29	58	4			9	
15/12/2009	M09-12628	MUD	Central North	W	M	220	160	280	100	4	32	64				
1/12/2009	M09-11975	MUD	Central North	M	E	240	240	240	0	11	63	23			3	
9/12/2009	M09-12450	MUD	Central North	H	E	292	80	640	56	55	35	7			3	
4/12/2009	M09-12275	CBL	Central West	W	E	20	0	40	0							
1/12/2009	M09-12154	DUB	Central West	L	M	0	0	0	0							
10/12/2009	M09-12436	DUB	Central West	W	M	0	0	0	80							
10/12/2009	M09-12555	DUB	Central West	A	E	0	0	0	12							
4/12/2009	M09-12170	DUB	Central West	A	E	200	0	1760	8							
10/12/2009	M09-12434	DUB	Central West	H	M	280	240	320	0	43	33	23			1	
17/12/2009	M09-12724	DUB	Central West	W	M	620	520	720	80							
13/12/2009	M09-12634	DUB	Central West	A	E	1028	0	4080	28	93	7					
6/12/2009	M09-12368	MOS	Cumberland	A	E	4520	1920	7120	0							
10/12/2009	M09-12494	GUN	Hume	W	M	400	40	760	60		56	30		1	13	
15/12/2009	M09-12739	HUM	Hume	W	E	0	0	0	0							
9/12/2009	M09-12306	HUM	Hume	W	M	200	120	280	0							
8/12/2009	M09-12455	WAG	Hume	W	M	0	0	0	0							
8/12/2009	M09-12457	WAG	Hume	W	M	0	0	0	0							
8/12/2009	M09-12459	WAG	Hume	W	M	0	0	0	0							
8/12/2009	M09-12460	WAG	Hume	W	M	0	0	0	0							
2/12/2009	M09-12168	WAG	Hume	A	E	56	40	520	0							
10/12/2009	M09-12495	WAG	Hume	A	E	96	0	360	0		34	34			32	
14/12/2009	M09-12489	FOB	Lachlan	H	E	0	0	0	0							
15/12/2009	M09-12717	FOB	Lachlan	A	E	80	80	80	0							
2/12/2009	M09-12153	FOB	Lachlan	A	E	360	160	560	0	31	46	10		13	13	
8/12/2009	M09-12371	FOB	Lachlan	H	E	500	120	880	0	2	36	56			6	
7/12/2009	M09-12247	YOU	Lachlan	A	E	0	0	0	0							
13/12/2009	M09-12637	YOU	Lachlan	A	E	0	0	0	0							
7/12/2009	M09-12246	YOU	Lachlan	A	E	60	40	80	0							
7/12/2009	M09-12308	YOU	Lachlan	A	E	60	40	80	0							
9/12/2009	M09-12490	YOU	Lachlan	W	W	60	0	120	0							
15/12/2009	M09-12716	YOU	Lachlan	L	W	60	0	120	20							
13/12/2009	M09-12636	YOU	Lachlan	H	M	88	0	160	0							
20/12/2009	M09-12859	YOU	Lachlan	W	M	180	160	200	20							
1/12/2009	M09-11972	YOU	Lachlan	A	E	240	160	320	0							
8/12/2009	M09-12241	YOU	Lachlan	A	E	280	240	320	0							
8/12/2009	M09-12453	YOU	Lachlan	H	E	300	160	440	0	8	22	65			5	
14/12/2009	M09-12629	YOU	Lachlan	W	M	300	280	320	40							
1/12/2009	M09-11971	YOU	Lachlan	A	E	480	200	760	0							
13/12/2009	M09-12632	YOU	Lachlan	W	E	1000	1000	1000	40							
10/12/2009	M09-12491	YOU	Lachlan	A	E	1540	440	3800	0	37	59	2			2	
15/12/2009	M09-12685	MUR	Riverina	W	M	36	0	160	44							
9/12/2009	M09-12488	MUR	Riverina	W	E	180	160	200	0							
3/12/2009	M09-12171	RIV	Riverina	W	M	136	40	400	0							
9/12/2009	M09-12451	RIV	Riverina	W	R	252	12	520	8		13	85			2	
1/12/2009	M09-12169	RIV	Riverina	W	M	368	40	960	32							
7/12/2009	M09-12310	BOM	South East	H	E	0	0	0	0							
8/12/2009	M09-12311	BOM	South East	H	M	28	0	120	44							
13/12/2009	M09-12630	BOM	South East	A	E	100	80	120	0							
8/12/2009	M09-12374	BRA	South East	H	M	116	0	320	0		10	90				
8/12/2009	M09-12373	BRA	South East	A	E	468	0	1560	0		38	62				
6/12/2009	M09-12239	CTL	Tablelands	A	M	0	0	0	0							
12/12/2009	M09-12552	GOU	Tablelands	M	E	4	0	40	0							
14/12/2009	M09-12554	MOL	Tablelands	A	E	280	240	320	0							
20/12/2009	M09-12880	YAS	Tablelands	A	E	140	0	600	4							
20/12/2009	M09-12879	YAS	Tablelands	A	E	260	0	760	4							

Area	Age	Sex	Strong Avg	Strong Min	Strong Max	Cul H	Cul T	Cul Ost	Cul C	Cul Oes	Liver Fluke	Stomach Fluke	Nemat Avg	Nemat Min	Nemat Max
ARMIDALE	n/a	Weaners	0	0	0	0	0	0	0	0			0	0	0
ARMIDALE	n/a		0	0	0	7	78	12	0	1			0	0	0
ARMIDALE	n/a	Ewes	4	0	40								0	0	0
ARMIDALE	n/a	Ewes	20	0	160						0		0	0	0
ARMIDALE	n/a	Weaners	24	0	160	0	100	0	0	0			0	0	0
ARMIDALE	n/a	Hoggets	40	0	120								0	0	0
ARMIDALE	n/a	Ewes & lambs	60	0	200	65	20	15	0	0			0	0	0
ARMIDALE	n/a	Weaners	68	0	280	0	100	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	72	0	240								0	0	0
ARMIDALE	n/a	Ewes	80	40	160	80	7	13	0	0	0		0	0	0
ARMIDALE	n/a	Wethers	96	0	240	36	56	8	0	0			8	0	40
ARMIDALE	n/a	Weaners	104	0	320	25	75	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	116	0	320	0	100	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	116	0	480	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	120	0	600	0	94	6	0	0			0	0	0
ARMIDALE	n/a	Hoggets	136	0	520								4	0	40
ARMIDALE	n/a	Wethers	160	0	520	93	7	0	0	0			4	0	40
ARMIDALE	n/a	Ewes	168	0	440	67	16	9	6	2	0		0	0	0
ARMIDALE	n/a	Hoggets	184	0	960								0	0	0
ARMIDALE	n/a	Weaners	200	0	440	4	83	13	0	0			0	0	0
ARMIDALE	n/a	Wethers	204	0	640								0	0	0
ARMIDALE	n/a		268	0	600								16	0	80
ARMIDALE	n/a	Ewes	268	0	1360								0	0	0
ARMIDALE	n/a	Ewes & lambs	276	0	760	14	57	29	0	0			0	0	0
ARMIDALE	n/a	Mixed	300	0	1040	5	73	22	0	0			0	0	0
ARMIDALE	n/a	Ewes	316	0	1000	58	24	18	0	0	30		0	0	0
ARMIDALE	n/a	Hoggets	340	120	640	30	50	18	0	2	0		16	0	80
ARMIDALE	n/a	Wethers	350	280	440	0	57	34	0	9	0		0	0	0
ARMIDALE	n/a	Ewes	356	0	760	1	81	18	0	0			0	0	0
ARMIDALE	n/a	Hoggets	360	0	800								12	0	120
ARMIDALE	n/a		360	80	1840								16	0	40
ARMIDALE	n/a		376	0	1600	0	95	5	0	0			0	0	0
ARMIDALE	n/a	Weaners	380	40	1320	90	10	0	0	0			20	0	120
ARMIDALE	n/a	Ewes	396	80	920	89	2	9	0	0			0	0	0
ARMIDALE	n/a	Ewes	404	40	1080								28	0	160
ARMIDALE	n/a	Ewes	428	80	1320	84	16	0	0	0	0		0	0	0
ARMIDALE	n/a	Wethers	460	0	680	0	100	0	0	0			0	0	0
ARMIDALE	n/a		468	40	880	1	92	7	0	0			0	0	0
ARMIDALE	n/a	Ewes	520	160	1240	97	3	0	0	0			28	0	200
ARMIDALE	n/a		544	0	1240	15	63	21	0	1			8	0	80
ARMIDALE	n/a	Hoggets	556	160	1640	38	59	3	0	0			9	0	40
ARMIDALE	n/a	Weaners	588	0	960	80	18	1	0	1			0	0	0
ARMIDALE	n/a	Ewes	740	280	1440	95	4	0	1	0	0		0	0	0
ARMIDALE	n/a	Ewes & lambs	744	80	1600	18	56	26	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	784	40	2160	0	87	9	0	4			0	0	0
ARMIDALE	n/a	Hoggets	888	160	2680	24	66	7	0	3			20	0	200
ARMIDALE	n/a	Hoggets	912	0	2560								8	0	80
ARMIDALE	n/a	Weaners	932	160	1600	24	45	31	0	0			8	0	40
ARMIDALE	n/a		1028	0	4880	85	15	0	0	0	0		0	0	0
ARMIDALE	n/a	Lambs	1032	120	4640	98	2	0	0	0	0		4	0	40
ARMIDALE	n/a	Ewes	1180	320	2640	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	1180	920	1560								10	0	40
ARMIDALE	n/a	Lambs	1200	120	3280	82	8	10	0	0	0		0	0	0
ARMIDALE	n/a	Ewes & lambs	1352	560	4120	0	91	5	0	4			4	0	40
ARMIDALE	n/a	Weaners	1608	640	4280	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Hoggets	1618	240	4960	3	86	11	0	0			36	0	200
ARMIDALE	n/a	Mixed sex	1688	40	3680	0	81	11	0	8			0	0	0
ARMIDALE	n/a	Ewes & lambs	2040	240	3600								0	0	0
ARMIDALE	n/a	Weaners	2068	640	3600	35	54	11	0	0			36	0	200
ARMIDALE	n/a	Ewes	2136	80	4760	100	0	0	0	0	0		4	0	40
ARMIDALE	n/a	Rams	2476	360	5880								20	0	160
ARMIDALE	n/a	Ewes	2772	840	5480	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	3112	480	11840	96	4	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	3416	1000	8600	47	30	23	0	0			0	0	0
ARMIDALE	n/a	Ewes & lambs	4128	0	12280								0	0	0
ARMIDALE	n/a	Ewes & lambs	4724	680	10680								0	0	0
ARMIDALE	n/a	Hoggets				1	77	9	3	10					
CENTRAL TABLELANDS	n/a		0	0	0	0	0	0	0	0			0	0	0
CENTRAL TABLELANDS	n/a		20	0	80	0	14	86	0	0			0	0	0
CENTRAL TABLELANDS	n/a		32	0	120	10	23	67	0	0			0	0	0
CENTRAL TABLELANDS	n/a		40	0	120	59	9	32	0	0			0	0	0
CENTRAL TABLELANDS	n/a		56	0	160	0	16	84	0	0			0	0	0
CENTRAL TABLELANDS	n/a		204	80	360	16	35	49	0	0			52	0	240
CENTRAL TABLELANDS	n/a	Ewes	308	0	800	1	79	13	0	7			0	0	0
CENTRAL TABLELANDS	n/a	Weaners	412	120	960	0	82	16	0	2			68	0	240
CENTRAL TABLELANDS	n/a	Ewes	536	0	1840	0	58	26	0	16	1		0	0	0
CENTRAL TABLELANDS	n/a	Lambs	1172	440	1760	2	84	10	4	0			120	0	320
COONABARABRAN	n/a	Ewes	652	0	2640								0	0	0
HILLSTON	n/a	Lambs	0	0	0	0	0	0	0	0			4	0	40
MAITLAND	n/a	Wethers	268	0	1280	0	100	0	0	0			0	0	0
MOLONG	n/a	Ewes & lambs	268	40	720	0	74	22	0	4			8	0	80
MUDGEE	n/a	Weaners	48	0	160	0	100	0	0	0			0	0	0
MUDGEE	n/a	Weaners	96	0	240	0	100	0	0	0			0	0	0
MUDGEE	n/a	Weaners	352	120	680	0	100	0	0	0			0	0	0
MUDGEE	n/a	Weaners	388	120	680	0	100	0	0	0			0	0	0
MUDGEE	n/a	Weaners	568	40	1280	0	94	6	0	0			40	0	120
MUDGEE	n/a	Weaners	1340	320	3280	9	85	4	0	2			40	0	80
NARRABRI	n/a	Ewes	0	0	0	0	0	0	0	0			0	0	0
NARRABRI	n/a	Mixed	44	0	200	100	0	0	0	0			44	0	120

[illegible]