



# 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](http://www.dpi.nsw.gov.au/newsletters/wormfax)

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

('Worms on the Web')

## WormFax Data

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

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.

## 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.







MOL	W	MXD	0	0	0							
MOL	H	E	204	0	560	36	24	4	36			
MOL	W	MXD	4	0	40					n		
MOL	A	E	0	0	0							
MOL	H	E	20	0	200							
MOL	L	MXD	20	0	160							
MOL	A	E	500	480	520	89	11					
MUD	W	MXD	0	0	0							
MUD	W	MXD	96	0	840							
MUD	W	MXD	40	0	280							
MUD	W	MXD	20	0	40							
MUD	A	E	60	0	120							
MUD	W	MXD	44	0	160							
MUD	W	W	20	0	40							
MUD	A	MXD	28	0	120							
MUD	A	E	28	0	80							
MUD	A	E	488	0	2800	73	18	5	4			
MUD	A	E	140	0	280	23	62	10	5			
MUD	W	MXD	44	0	240							
MUD	A	E	0	0	0							
MUD	A	E	0	0	0							
MUD	H	E	232	0	680	2	71	21	6			
MUD	A	E	148	0	400	100						
MUD	W	MXD	252	80	600	54	26	13	7	yes		
WAL	A	MXD	4	0	40							
YASS	H	E	0	0	0							
YOU	A	W	0	0	0							
YOU	A	W	20	0	40					no		
YOU	A	E	40	0	80							
YOU	?	w	40	0	80							
YOU	W	W	0	0	0							
YOU	W	MXD	0	0	0							
YOU	A	E	8	0	70							
YOU	W	MXD	0	0	0							
YOU	W	E	0	0	0							
YOU	A	E	0	0	0							
YOU	A	E	20	0	40							
YOU	W	MXD	0	0	0							
YOU	W	W	0	0	0							
YOU	A	E	80	40	120							
YOU	H		4	0	40	*						
YOU	A	E	60	40	80							
YOU	A	E	*	*	*							
			<b>Mean</b>	<b>Low</b>	<b>High</b>	<b>Haem</b>	<b>Trich</b>	<b>Ost</b>	<b>Oes</b>	<b>Coop</b>	<b>FLUKE</b>	

## 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	0	0	0								0		
BOM	M	E	0	0	0								0		
BOM	A	E	0	0	0					0	0		0		
BOM	M	E	8	0	80										
BOM	M	E	40	0	160		62	26	12	0	0		0		
BOM	M	M	52	0	240		23	76	1	0	0		84		
BOM	A	E	60	40	80					0	0				
BOM	H	M	68	0	280		36	44	20	0	0		12		
BOM	H	E	104	0	440								0		
BOM	W	M	136	0	360								0		
BOM	M	E	180	0	360					0	0		0		
BOM	W	M	200	120	280								40		
BOM	A	W	232	0	400								0		
BOM	A	E	272	0	720	79	7	5	9	0	0		0		
BOM	H	W	284	0	1320					0	0		24		
BOM	W	M	328	0	1560	82	3	15					28		
BOM	A	E	560	360	760					0	0		0		
BRA	W	M	48	0	80								92		
BRA	W	W	160	160	160								120		
CTL	A	E	0	0	0								20		
GOU	A	E	0	0	0					0	0		0		
GOU	W	E	152	40	360								36		
GOU	A	E	180	0	460					0	0		0		
GOU	A	E	220	160	280								0		
GUN	W	M	0	0	0								0		
GUN	W	M	0	0	0								0		
GUN	W	E	0	0	0								0		
GUN	A	E	0	0	0								0		
GUN	A	E	40	40	40								20		
GUN	A	E	40	0	80								0		
GUN	A	E	160	0	360		8	92					4		
HAY	W	E	180	0	880								24		
HUM	A	E	0	0	0								0		
HUM	A	E	0	0	0								0		
HUM	A	E	40	40	40								80		
HUM	W	E	100	40	160								40		
HUM	A	E	160	160	160								0		
HUM	A	E	1680	720	2640		69	31					80		
HUN	A	M	1044	0	4400	74	24	2					0		
NAR	H	E	0	0	0								0		
WAG	A	E	0	0	0								0		
WAG	A	E	0	0	0								4		
WAG	H	E	0	0	0								16		
WAG	A	E	4	0	40								0		
WAG	H	E	20	0	80								0		
WAG	A	E	32	0	160								0		
WAG	A	E	40	0	280								0		
WAG	M	E	60	0	120	9	84	7					20		
WAG	A	E	80	40	120		62	38					0		
WAG	A	E	100	80	120								40		
YAS	A	E	0	0	0					0	0		0		
YAS	A	E	0	0	0					0	0		0		
YAS	A	E	0	0	0					0	0		0		
YAS	H	E	0	0	0								0		
YAS	H	E	8	0	80								4		
YAS	A	E	20	0	40					0	0		0		
YAS	M	E	28	0	160					0	0		0		
YAS	A	E	40	0	80					0	0		0		
YAS	W	M	48	0	280								0		
YAS	W	E	60	0	200	6	8	86					4		
YAS	W	M	100	0	480		57	43					28		
YAS	W	M	140	80	200								60		
YAS	W	M	220	200	240								20		
YAS	A	E	240	40	440					0	0		0		
YAS	M	W	536	40	1800								44		
YOU	M	M	4	0	40								0		
YOU	A	E	8	0	80								4		
YOU	A	E	16	0	120								0		
YOU	M	E	16	0	40								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	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	Weaners	0	0	0	0	0	0	0	0			0	0	0
ARMIDALE	n/a	Lambs	0	0	0								0	0	0
ARMIDALE	n/a	Mixed sex	0	0	0								0	0	0
ARMIDALE	n/a	Lambs	0	0	0								0	0	0
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	Weaners	0	0	0	0	0	100	0	0			0	0	0
ARMIDALE	n/a	Wethers	4	0	40								0	0	0
ARMIDALE	n/a	Weaners	4	0	40	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Lambs	4	0	40								0	0	0
ARMIDALE	n/a	Ewes	8	0	40								0	0	0
ARMIDALE	n/a	Weaners	20	0	160	100	0	0	0	0	0	5	0	0	0
ARMIDALE	n/a		32	0	80	10	83	3	4	0	0	0	0	0	0
ARMIDALE	n/a	Weaners	36	0	120	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	40	0	120	4	2	0	0	94	1		0	0	0
ARMIDALE	n/a	Ewes	44	0	120	36	48	2	14	0			0	0	0
ARMIDALE	n/a	Weaners	48	0	120	20	75	5	0	0			0	0	0
ARMIDALE	n/a	Weaners	56	0	560	15	82	3	0	0			4	0	40
ARMIDALE	n/a	Weaners	60	0	160	17	44	36	0	3			4	0	40
ARMIDALE	n/a		60	40	80	46	54	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	96	0	360								0	0	0
ARMIDALE	n/a	Weaners	104	0	320	100	0	0	0	0			4	0	40
ARMIDALE	n/a	Ewes	124	0	1200								0	0	0
ARMIDALE	n/a	Ewes	128	0	480	2	96	2	0	0	0		0	0	0
ARMIDALE	n/a	Wethers	132	0	480	0	97	3	0	0			0	0	0
ARMIDALE	n/a	Weaners	156	0	440	1	22	20	57	0	0		0	0	0
ARMIDALE	n/a	Weaners	160	0	480	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	164	0	960	8	73	19	0	0	0		0	0	0
ARMIDALE	n/a	Ewes	168	80	320	89	11	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	168	0	480	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	172	40	360	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	184	0	720	94	3	2	1	0			0	0	0
ARMIDALE	n/a	Ewes	200	0	920								0	0	0
ARMIDALE	n/a	Ewes	204	0	1200	30	54	16	0	0			0	0	0
ARMIDALE	n/a	Weaners	208	0	920								8	0	40
ARMIDALE	n/a	Ewes	224	0	920	26	69	5	0	0			4	0	40
ARMIDALE	n/a	Ewes	228	0	1280	73	22	1	4	0			0	0	0
ARMIDALE	n/a	Weaners	240	120	600	72	27	1	0	0			0	0	0
ARMIDALE	n/a	Ewes	240	0	960	92	6	1	1	0	0		0	0	0
ARMIDALE	n/a	Weaners	240	0	720	100	0	0	0	0	0		0	0	0
ARMIDALE	n/a	Mixed sex	240	0	1080	81	14	5	0	0			0	0	0
ARMIDALE	n/a	Ewes	240	0	640	42	47	11	0	0			0	0	0
ARMIDALE	n/a	Lambs	260	40	560	79	16	5	0	0	0		0	0	0
ARMIDALE	n/a	Weaners	268	0	720	87	11	2	0	0	0		0	0	0
ARMIDALE	n/a	Ewes	268	0	1080	81	15	4	0	0			0	0	0
ARMIDALE	n/a	Weaners	272	0	720	99	1	0	0	0			24	0	200
ARMIDALE	n/a	Wethers	280	0	1360	69	12	13	6	0			0	0	0
ARMIDALE	n/a	Ewes	284	0	2320	91	7	2	0	0			0	0	0
ARMIDALE	n/a	Weaners	284	0	600	0	100	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	304	40	1640	12	48	26	14	0			0	0	0
ARMIDALE	n/a	Hoggets	312	80	800	7	42	6	45	0			16	0	80
ARMIDALE	n/a	Ewes	320	0	1120	72	20	6	2	0	0		0	0	0
ARMIDALE	n/a		320	200	440	95	5	0	0	0	0		0	0	0
ARMIDALE	n/a	Ewes	328	80	840	82	10	8	0	0			0	0	0
ARMIDALE	n/a	Weaners	332	0	1040	100	0	0	0	0			0	0	0
ARMIDALE	n/a	Mixed sex	332	0	1200	63	32	5	0	0			0	0	0
ARMIDALE	n/a		368	40	960	91	7	2	0	0			0	0	0
ARMIDALE	n/a		376	0	2560	66	31	3	0	0			0	0	0
ARMIDALE	n/a	Ewes	376	0	2640								0	0	0
ARMIDALE	n/a	Weaners	384	0	840	98	1	1	0	0			44	0	200
ARMIDALE	n/a	Weaners	396	80	920	96	4	0	0	0			8	0	40
ARMIDALE	n/a	Ewes	460	0	2200	97	3	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	468	0	3360	77	9	4	10	0			0	0	0
ARMIDALE	n/a	Weaners	476	0	2640	88	11	1	0	0	0		8	0	40
ARMIDALE	n/a	Ewes	484	0	1160	5	88	7	0	0			0	0	0
ARMIDALE	n/a	Mixed age	492	80	1440	95	2	1	2	0			0	0	0
ARMIDALE	n/a	Ewes	568	0	2520	100	0	0	0	0	23		0	0	0
ARMIDALE	n/a	Hoggets	572	120	880	94	4	2	0	0			8	0	40
ARMIDALE	n/a	Ewes	636	0	2280	95	5	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	640	80	3000	90	10	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	652	0	1880								0	0	0
ARMIDALE	n/a	Wethers	664	0	2600	92	6	2	0	0			0	0	0
ARMIDALE	n/a	Weaners	704	40	1680	98	2	0	0	0			0	0	0
ARMIDALE	n/a	Wethers	732	40	2240	68	22	10	0	0	0		4	0	40
ARMIDALE	n/a	Weaners	776	80	6240	99	1	0	0	0	0		0	0	0
ARMIDALE	n/a	Wethers	796	0	3960	99	1	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	808	80	2040	96	4	0	0	0			24	0	80
ARMIDALE	n/a	Weaners	816	400	1280	55	35	10	0	0			0	0	0
ARMIDALE	n/a		816	240	1720	90	7	1	1	1			0	0	0
ARMIDALE	n/a	Ewes	944	0	3520	100	0	0	0	0	37		0	0	0
ARMIDALE	n/a	Weaners	1004	480	2320	100	0	0	0	0			0	0	0

ARMIDALE	n/a	Weaners	1028	360	2400	13	84	3	0	0		16	0	40
ARMIDALE	n/a		1052	120	3720	98	2	0	0	0		0	0	0
ARMIDALE	n/a	Weaners	1136	320	2440	37	49	14	0	0		28	0	160
ARMIDALE	n/a	Ewes	1332	0	3800	100	0	0	0	0		0	0	0
ARMIDALE	n/a		1532	600	3000	100	0	0	0	0		0	0	0
ARMIDALE	n/a	Weaners	2208	0	11320	100	0	0	0	0		0	0	0
ARMIDALE	n/a	Hoggets	2512	560	3840	82	18	0	0	0		4	0	40
ARMIDALE	n/a	Wethers	2560	280	4720	97	1	1	1	0		0	0	0
ARMIDALE	n/a	Weaners	2560	2240	2880	86	14	0	0	0		0	0	0
ARMIDALE	n/a	Mixed sex	2704	0	12120	100	0	0	0	0		0	0	0
ARMIDALE	n/a	Weaners	2884	360	4760	98	1	1	0	0		52	0	160
ARMIDALE	n/a	Lambs	3652	280	8040	87	12	1	0	0		44	0	160
ARMIDALE	n/a	Hoggets	4188	1120	8120	99	0	1	0	0		20	0	120
ARMIDALE	n/a	Mixed sex	4640	160	9320	87	13	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes				47	39	14	0	0				
ARMIDALE	n/a	Weaners									0			
CENTRAL														
TABLELANDS	n/a	Weaners	48	0	440	0	18	24	2	56	0	72	0	400
COOMA	n/a	Weaners	8	0	80	0	10	90	0	0		36	0	160
COOMA	n/a	Weaners	8	0	80							8	0	40
COONABARABRAN	n/a	Weaners	0	0	0							20	0	40
COONABARABRAN	n/a	Weaners	4	0	40							4	0	40
COONABARABRAN	n/a	Lambs	32	0	80	11	68	21	0	0		104	0	400
COONABARABRAN	n/a	Ewes	40	0	200	24	50	26	0	0		16	0	80
COONABARABRAN	n/a	Ewes	68	0	240	5	75	20	0	0		0	0	0
COONABARABRAN	n/a	Lambs	84	0	240	0	67	32	0	1		76	0	200
COONABARABRAN	n/a	Weaners	124	0	600	42	32	26	0	0		84	0	280
GOULBURN	n/a	Weaners	52	0	120							60	0	200
GUNDAGAI	n/a	Ewes	4	0	40	0	14	86	0	0		0	0	0
GUNDAGAI	n/a	Ewes	8	0	40	0	57	43	0	0		0	0	0
GUNDAGAI	n/a	Ewes	18	0	120	0	0	100	0	0		0	0	0
GUNDAGAI	n/a	Ewes	40	0	280	0	0	100	0	0		0	0	0
HUME	n/a	Weaners	0	0	0	0	100	0	0	0		12	0	80
HUME	n/a	Ewes	8	0	40	0	92	8	0	0		0	0	0
HUME	n/a	Ewes	40	0	200	16	15	64	5	0		8	0	40
HUME	n/a	Ewes	72	0	240	42	43	13	2	0		12	0	120
HUME	n/a	Ewes	84	0	200	0	80	19	1	0		0	0	0
HUNTER	n/a	Lambs	176	40	280	97	3	0	0	0		56	0	200
HUNTER	n/a	Wethers	688	120	2240	68	20	3	9	0		0	0	0
KEMPSEY	n/a		516	0	4640	60	14	0	26	0	0	0	0	0
MOREE	n/a	Weaners	0	0	0						0	0	0	0
NORTHERN NEW ENGLAND	n/a	Lambs	36	0	160	36	62	2	0	0		4	0	40
NORTHERN NEW ENGLAND	n/a		92	0	400	100	0	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	112	0	400	68	31	1	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	160	0	760	100	0	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed	240	0	1120	87	10	3	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Weaners	452	120	1120	80	18	2	0	0		60	0	160
NORTHERN NEW ENGLAND	n/a	Ewes	584	0	3120	100	0	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Weaners	756	0	3320	99	0	1	0	0	0	0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	852	0	2240	100	0	0	0	0	0	0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed age	860	280	1520	77	23	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Weaners	1284	560	2680							0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	1548	200	5080	98	1	1	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Lambs	2140	1120	4440	90	8	2	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	2248	0	7360	100	0	0	0	0		0	0	0
TAMWORTH	n/a	Weaners	0	0	0							0	0	0
TAMWORTH	n/a	Ewes	68	0	120							0	0	0
TAMWORTH	n/a	Ewes	72	0	400	94	3	3	0	0		4	0	40
TAMWORTH	n/a		76	0	200							4	0	40
TAMWORTH	n/a	Ewes	188	0	560	100	0	0	0	0		0	0	0
TAMWORTH	n/a	Weaners	196	0	1560	92	6	2	0	0	0	4	0	40
TAMWORTH	n/a	Rams	232	0	1000	28	63	9	0	0		28	0	80
TAMWORTH	n/a		347	0	1440							0	0	0
TAMWORTH	n/a	Lambs	388	120	680	91	3	6	0	0		8	0	40
TAMWORTH	n/a	Ewes	424	0	1920	100	0	0	0	0		8	0	40
TAMWORTH	n/a	Weaners	3232	0	8880							4	0	40
TAMWORTH	n/a	Ewes	5812	0	13080						0	0	0	0
WALGETT	n/a	Ewes	84	0	440	26	61	13	0	0		0	0	0

YASS	n/a	Weaners	4	0	40						28	0	120
YASS	n/a	Ewes	4	0	40					0	32	0	160
YASS	n/a	Weaners	8	0	40					2	0	0	0
YASS	n/a		20	0	80					0	0	0	0
YASS	n/a	Ewes	32	0	80					0	0	0	0
YASS	n/a	Ewes	100	0	880	97	1	2	0	0	0	0	0