



WormFax^{NSW} February 2007 ISSN 1444-3783

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WormFax is a monthly summary of WormTesting results (in sheep) from around New South Wales. WormFax is sent by e-mail, but also appears on the web: www.agric.nsw.gov.au/reader/sheep-internal ('Worms on the Web').

Sources of Data: 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](#). 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.

Age and sex descriptors may be abbreviated.

Age: A=adult, L= lamb (< 4 tmonths), W=weaner (4-11 months), H=hogget (12-24 months).

Sex: W=wether, E=ewe, R=ram, M or MXD=mixed.

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).

RLPB	Age	Sex	Strong Avg	Strong Min	Strong Max	H%	T%	O%	C%	Oe%	LF	LF	Nem Avg	
Bombala	W	M	0	0	0								20	
	W	M	0	0	0								26	
	H	E	0	0	0						0	0	0	
	A	E	72	0	320								0	
	A	E	352	0	800		12	7		81			12	
	W	M	600	560	640						0	0	140	
Braidwood	H	E	0	0	0								0	
	H	E	0	0	0								0	
	L	W	0	0	0								0	
	W	M	20	0	120								52	
	W	MXD	0	0	0									
	W	MXD	4	0	40									
Cent. Tablelands	W	MXD	0	0	0									
	A	E	0	0	0									
	H	W	0	0	0									
	W	MXD	0	0	0									
	W	MXD	0	0	0							0		
	W	MXD	0	0	0							0		
	W	MXD	0	0	0							0		
	A	E	0	0	0							0		
	?	?	8	0	80									
	W	W	10	0	40									
	A	E	20	0	120							0		
	H	E	40	0	80							0		
	W	MXD	64	0	320									
	A	E	64	0	320							0		
	W	MXD	136	0	880									
	L	MXD	140	0	280									
	A	E	148	0	320		18	53	13			16		
	MXD	E	160	40	400		3	79	2			16		
	A	W	240	160	320									
	W	MXD	260	0	640							0		
	W	MXD	440	400	480									
	A	E	480	280	680									
	A	E	500	200	800									
	A	E	632	120	1360		14	70	1			15	+ve	
	n/a	Weaners	0	0	0	100	0	0	0	0	0	0		0
	n/a	Ewes	12	0	120	1	65	34	0	0	0	0		0
	n/a	Wethers	16	0	40	0	0	100	0	0	0	0		0
	n/a	Ewes	16	0	80	0	67	18	0	15				0
	n/a	Wethers	24	0	200	0	16	84	0	0	0			0
	n/a	Weaners	48	0	240	1	63	36	0	0				0
	n/a	Ewes	56	0	160	0	67	12	0	21				32
	n/a	Lambs	60	0	160	0	86	14	0	0				44
n/a	Ewes	60	0	400	16	78	6	0	0				0	
n/a	Ewes	68	0	200	17	40	31	0	12	0	0		32	
n/a	Ewes	104	0	400	12	58	30	0	0	0	0		4	
n/a	Ewes	104	0	440	41	6	53	0	0	0	0		0	
n/a	Wethers	192	0	920	31	46	23	0	0				0	
n/a	Ewes	288	40	680	5	61	33	0	1				16	
n/a	Ewes	332	0	880	40	48	12	0	0				36	
n/a	Ewes	600	40	2080	31	40	29	0	0		0		12	

RLPB	Age	Sex	Strong Avg	Strong Min	Strong Max	H%	T%	O%	C%	Oe%	LF	LF	Nem Avg	
Coonabarabran	W	M	0	0	0								112	
	A	E	20	0	40								0	
	H	E	40	40	40								0	
	A	E	120	40	200								20	
	W	E	420	200	640	100							80	
	n/a	Lambs	16	0	80									120
	n/a	Lambs	16	0	80									164
	n/a	Ewes	76	0	160									8
	n/a	Ewes	280	0	480	98	0	1	0	1				0
	Gundagai	A	E	88	0	560							0	
	n/a	Ewes	0	0	0	0	0	100	0	0			4	
	n/a	Ewes	4	0	40	0	0	100	0	0			0	
	n/a	Ewes	12	0	40	0	0	100	0	0			24	
Hume	W	M	0	0	0								0	
	H	E	36	0	120		17	83					4	
	A	E	0	0	0									
	A	E	0	0	0									
	H	MXD	216	80	440				72	28				
	A	E	300	160	440									
Molong	A	W	0	0	0									
	A	E	0	0	0									
	?	E	0	0	0									
	A	E	20	0	40									
	A&L	MZD	40	0	80									
	?	E	80	0	360									
	A	E	100	0	840		30	27	4			39		
	A	E	184	0	1120		100							
	A&L	MXD	820	600	1040									
	A	E	1008	0	2560		84	9				8		
	A&L	MXD	1560	1200	1920									
	A	E	3268	640	4760		96	4						
Moss Vale	A	E	440	320	560								0	
	W	M	680	520	840	9	84	6		1			100	
Mudgee	MXD	E	0	0	0									
	A	E	0	0	0									
	W	MXD	12	0	40									
	L	MXD	20	0	80									
	H	?	80	80	80									
	?	E	100	40	160		17	57	4			23		
	A	E	110	100	120		6	89				5		
	H	E	120	80	160		1	48	15			36		
	A	E	140	40	240		97	3					0	
	A	E	140	120	160		70	20				10		
	A	E	160	120	200		15	68	5			12		
	MXD	MXD	180	0	720		32	64	4					
	MXD	E	212	0	440		4	56				40		
	A	E	280	240	320		17	51	1			23		
	Yass	H	E	20	0	80								16

RLPB	Age	Sex	Strong Avg	Strong Min	Strong Max	H%	T%	O%	C%	Oe%	LF	LF	Nem Avg
	W	MXD	0	0	0								
	A	E	4	0	40								
	A	E	8	0	40								
	n/a		0	0	0						0		24
	n/a	Ewes	0	0	0						0		0
	n/a	Lambs	0	0	0						0		44
	n/a	Lambs	0	0	0						0		52
	n/a	Ewes	12	0	80						0		0
	n/a	Weaners	24	0	200						0		68
Young	W	M	0	0	0								0
	W	M	0	0	0								0
	W	W	12	0	80								0
	W	E	20	0	40		23	73		4			0
	A	E	80	40	120								0
	A	E	100	80	120	31	51	17		1			0
	A	E	160	80	240		47	53					0
	A	E	400	400	400	11	74	10		5			0
	A	E	420	360	480	8	70	20		2			0
	W	E	0	0	0								
	W	W	0	0	0								
	A	E	0	0	0								
	W	MXD	0	0	0								
	A	E	0	0	0								
	?	E	0	0	0								
	W	MXD	0	0	0								
	W	E	0	0	0								
	H	E	0	0	0								
	A	E	0	0	0								
	MXD	E	0	0	0								
	A	E	8	0	80								
	A&H	E	20	0	40								
	A&H	E	20	0	40								
	A	E	20	0	40								
	H	M	20	0	40								
	MXD	E	20	0	40								
	W	E	20	0	40							+ve	
	A	E	20	0	40								
	A	E	28	0	120								
	A	MXD	44	0	160								
	A	W	88	0	440								
	H	?	100	40	160								
	H	E	120	0	240								
	?	E	152	0	320							0	
	A	E	228	0	760								
	?	E	260	120	400								
	W	W	368	0	1320			37			63		
Dubbo	A	E	68	0	280		14	58		28			12
	A	E	0	0	0								
	W	W	0	0	0								
	A	E	0	0	0								
	?	?	0	0	0								
	W	MXD	4	0	40								
	W	E	100	0	360								

RLPB	Age	Sex	Strong Avg	Strong Min	Strong Max	H%	T%	O%	C%	Oe%	LF	LF	Nem Avg
	A	E	136	0	480							0	
	H	E	192	40	720								
	A	E	528	120	1080								
	A	E	840	320	2080			71	22		7		
Forbes	A	E	4	0	40								
	A	E	20	0	40								
	W	E	36	0	360							0	
	A	E	96	0	320								
	A	E	180	120	240								
	A	W	460	440	480		2	77	1		20	0	
Murray	n/a	Ewes	40	0	160								0
Narrandera	n/a	Ewes	576	0	1400	0	59	4	0	37			4
Riverina	A	E	0	0	0								0
	A	E	8	0	40								12
	A	E	20	0	40								0
	A	E	20	0	40								20
	A	E	20	0	40								0
	L	E	40	40	40								60
	A	E	40	40	40								0
	A	E	60	40	80								0
	A	E	160	40	280		39	55		6			0
	A	E	164	0	640		57	40		3			40
	A	E	320	0	1000	80	13	4		3			0
	A	E	48	0	240								
	n/a	Weaners	40	0	200	0	85	15	0	0			16
	n/a	Weaners									0		
Wagga	W	M	0	0	0								0
	A	E	0	0	0								0
	A	E	0	0	0								0
	A	E	0	0	0								0
	W	M	0	0	0								4
	W	M	0	0	0								36
	W	E	4	0	40								4
	A	E	4	0	40								0
	A	E	8	0	40								0
	A	E	16	0	40		34	22		44			0
	A	E	32	0	160								8
	W	E	40	40	40		9	87		4			0
	H	E	40	0	80		9	91					0
	W	E	44	0	320								112
	M	M	64	0	280	2	43	55					0
	H	E	84	0	360		13	80		7			4
	A	E	88	0	200		50	39		11			0
	A	E	156	80	280		33	59		8			8
	A	E	240	200	280								0
	H	MXD	0	0	0								
	H	E	24	0	200							+ve	
	?	MXD	52	0	200								
	W	E	60	40	80								
	A	E	80	40	120								

RLPB	Age	Sex	Strong Avg	Strong Min	Strong Max	H%	T%	O%	C%	Oe%	LF	LF	Nem Avg
	W	E	680	440	920								
Hillston	n/a	Weaners	0	0	0								0
Armidale	A	W	420	360	480		44	40			16		
	n/a	Hoggets	0	0	0	84	9	6	0	1			0
	n/a	Mixed sex	0	0	0	86	13	1	0	0			0
	n/a		8	0	80						0		0
	n/a	Weaners	12	0	80	38	58	4	0	0			0
	n/a	Weaners	12	0	120								32
	n/a	Ewes	20	0	120	11	67	22	0	0			0
	n/a	Ewes	20	0	40	100	0	0	0	0			0
	n/a	Wethers	20	0	80								0
	n/a	Wethers	32	0	200	8	34	58	0	0			0
	n/a	Weaners	40	0	200	93	4	1	2	0			32
	n/a	Weaners	44	0	360								0
	n/a	Wethers	44	0	160								0
	n/a	Ewes & lambs	48	0	240	15	62	23	0	0			16
	n/a	Weaners	68	0	120								0
	n/a	Weaners	68	0	400								56
	n/a	Wethers	68	0	160								8
	n/a	Weaners	76	40	160	0	91	9	0	0			0
	n/a	Hoggets	76	0	440	2	93	5	0	0			0
	n/a	Weaners	107	0	320	51	47	2	0	0			27
	n/a	Weaners	108	0	520	61	21	18	0	0			36
	n/a	Ewes & lambs	120	0	520								0
	n/a	Ewes	124	0	280	27	46	26	0	1	0		32
	n/a	Ewes	136	0	560	67	22	11	0	0			0
	n/a	Wethers	152	0	480	85	14	1	0	0			0
	n/a	Ewes & lambs	168	0	400								0
	n/a	Ewes	187	0	560								31
	n/a	Weaners	192	0	400	19	51	26	0	4			0
	n/a	Weaners	196	80	400	93	5	2	0	0			16
	n/a	Lambs	208	0	640	75	25	0	0	0			0
	n/a	Ewes	220	0	440	32	40	4	0	24			4
	n/a	Weaners	220	0	520								32
	n/a	Ewes	224	0	520	51	38	11	0	0			8
	n/a	Lambs	228	0	520	88	3	9	0	0			20
	n/a	Weaners	232	0	640	100	0	0	0	0			12
	n/a	Weaners	236	0	840	7	56	36	0	1			0
	n/a	Ewes	248	0	560	15	26	59	0	0	1		0
	n/a	Weaners	256	0	2120	92	6	2	0	0			12
	n/a	Wethers	264	40	360	0	100	0	0	0			0
	n/a	Ewes	264	0	1120	90	4	6	0	0			12
	n/a	Weaners	276	80	640	2	48	48	0	2	0		4
	n/a	Ewes	288	0	1480	59	40	1	0	0			0
	n/a	Ewes	300	0	1400	13	61	26	0	0			0
	n/a	Ewes & lambs	300	80	560	98	2	0	0	0			0
	n/a	Ewes	308	40	760	3	19	78	0	0	0		4
	n/a	Ewes	328	80	1320	100	0	0	0	0	0		0
	n/a	Ewes	336	0	1400	0	92	8	0	0			0

RLPB	Age	Sex	Strong Avg	Strong Min	Strong Max	H%	T%	O%	C%	Oe%	LF	LF	Nem Avg
	n/a	Mixed sex	356	0	1560	82	11	4	0	3			4
	n/a	Weaners	368	80	1040	14	80	6	0	0			32
	n/a		400	0	3320	7	55	2	0	36			0
	n/a	Ewes	508	40	1280	34	31	13	0	22			0
	n/a	Ewes & lambs	556	0	2440	52	17	26	0	5			0
	n/a	Ewes	564	160	1000	90	9	1	0	0			0
	n/a	Ewes & lambs	568	200	1200	100	0	0	0	0			4
	n/a	Wethers	612	80	1560	69	15	13	0	3			0
	n/a	Wethers	616	120	1120	33	55	8	0	4	1		0
	n/a	Wethers	636	0	1280	87	3	5	0	5			0
	n/a	Wethers	664	80	1400	8	57	18	0	17	0		0
	n/a		688	40	4440	100	0	0	0	0			0
	n/a	Ewes	692	0	2280	64	22	5	0	9	0		0
	n/a		724	480	1040	22	56	20	0	2			12
	n/a		772	0	2360	92	8	0	0	0			0
	n/a	Weaners	776	240	1800	0	96	4	0	0			24
	n/a	Lambs	852	520	1440	54	37	2	0	7	0		88
	n/a	Ewes	856	80	2800	97	2	1	0	0			0
	n/a	Ewes & lambs	872	80	3680	99	1	0	0	0			0
	n/a	Ewes	908	280	2120								0
	n/a	Ewes & lambs	1008	80	6320	100	0	0	0	0			0
	n/a	Ewes	1084	0	2960	81	6	13	0	0			0
	n/a	Ewes	1132	0	9600	79	14	2	0	5			0
	n/a	Ewes	1176	160	2600								0
	n/a	Wethers	1288	520	2720								0
	n/a		1400	560	2360	93	7	0	0	0	8		0
	n/a	Ewes	1560	600	3840	96	4	0	0	0			8
	n/a	Ewes	1668	400	5440								8
	n/a	Weaners	1704	360	2960	57	32	11	0	0			0
	n/a	Wethers	1760	200	6320	99	1	0	0	0	0		0
	n/a	Ewes	2040	280	5120	89	11	0	0	0	0		0
	n/a	Lambs	2348	480	7480	93	7	0	0	0			24
	n/a		2384	280	16800								0
	n/a	Wethers	2400	0	8280	88	10	2	0	0	2		0
	n/a	Ewes	3032	560	6400	90	9	1	0	0			0
	n/a	Wethers	3388	360	11040	97	1	2	0	0			72
	n/a	Wethers	3480	720	6480								0
	n/a	Ewes & lambs	3836	480	10720	100	0	0	0	0			0
	n/a	Wethers	4208	480	13480	100	0	0	0	0			0
	n/a	Ewes	5012	360	9800								0
	n/a	Ewes & lambs	5640	80	11080	100	0	0	0	0			0
	n/a		6332	1160	22280	98	1	0	0	1			0
	n/a	Rams	7440	1040	15160								4
	n/a		7904	880	18040								0
	n/a	Mixed sex				2	88	10	0	0			
	n/a	Ewes & lambs				78	20	0	0	2			
	n/a	Weaners									0		
	n/a										0		

RLPB	Age	Sex	Strong Avg	Strong Min	Strong Max	H%	T%	O%	C%	Oe%	LF	LF	Nem Avg
	n/a	Ewes & lambs									0		
	n/a	Weaners									0		
	n/a	Ewes & lambs									0		
	n/a	Rams									0		
	n/a	Rams									0		
Coonabarabran	W	MXD	8	0	40							0	
	W	MXD	20	0	40								
	?	?	20	0	40								
	?	E	20	0	40								
	?	W	100	40	160		2	79	3		16		
	W	W	120	80	160		61	18	20		1		
	H	E	180	120	240		27	52	19		2		
	A	E	180	120	240		11	67	20		3		
	H	E	240	240	240		1	81	8		10		
	A	E	340	160	520		8	90	2				
	MXD	E	836	80	1560		40	34			26		
	H	E	900	560	1240		53	45			2		
	n/a	Ewes	0	0	0								0
	n/a	Weaners	8	0	40								0
	n/a	Ewes	16	0	80	73	24	3	0	0			24
	n/a	Weaners	28	0	80								36
	n/a	Ewes	84	0	320	11	82	7	0	0			8
	n/a	Wethers	180	40	640	78	11	3	0	8			0
	n/a	Ewes	220	0	840	90	6	3	0	1			0
	n/a	Wethers	348	0	1400	77	21	0	0	2			0
	n/a	Ewes	528	160	1200	85	10	1	0	4			0
Hunter	n/a	Wethers	256	40	560	46	43	1	0	10			20
	n/a	Ewes	488	0	1960	3	83	4	0	10			0
Northern New England	n/a		0	0	0	87	0	13	0	0			0
	n/a		0	0	0	100	0	0	0	0			0
	n/a		4	0	40	21	71	8	0	0			0
	n/a	Ewes	8	0	40								0
	n/a	Lambs	40	0	120	1	96	3	0	0			0
	n/a	Lambs	72	0	280	2	93	5	0	0			0
	n/a	Weaners	92	0	280	36	43	15	0	6			0
	n/a	Ewes	96	0	280	77	22	1	0	0			0
	n/a	Lambs	96	0	520	88	12	0	0	0			0
	n/a		100	0	360	6	81	13	0	0			0
	n/a		120	120	120	0	97	3	0	0			0
	n/a		132	0	680	0	97	3	0	0			0
	n/a	Wethers	144	0	440								0
	n/a	Wethers	213	0	840	100	0	0	0	0			0
	n/a		232	0	520	0	100	0	0	0			0
	n/a	Weaners	244	0	600	10	82	5	0	3			36
	n/a	Ewes	248	0	1080	38	57	5	0	0			0
	n/a		320	80	600	3	84	7	0	6			4
	n/a	Hoggets	344	40	920	57	43	0	0	0			0
	n/a	Mixed sex	344	0	3000	86	13	1	0	0			0

RLPB	Age	Sex	Strong Avg	Strong Min	Strong Max	H%	T%	O%	C%	Oe%	LF	LF	Nem Avg
	n/a	Lambs	360	80	720	100	0	0	0	0			0
	n/a	Ewes	404	80	1440	44	41	9	0	6			4
	n/a	Weaners	404	40	1000	100	0	0	0	0			0
	n/a	Ewes	452	160	1320	61	34	3	0	2			0
	n/a	Lambs	456	160	960	18	68	14	0	0			0
	n/a	Weaners	712	120	1320	78	14	8	0	0			28
	n/a		720	440	960	0	98	2	0	0			0
	n/a	Wethers	720	80	1200	43	48	9	0	0			0
	n/a	Lambs	782	400	1560	27	68	5	0	0			0
	n/a	Ewes & lambs	868	400	1280	100	0	0	0	0			0
	n/a	Ewes	912	0	4080								0
	n/a		980	160	2200	77	23	0	0	0			4
	n/a	Ewes	1052	0	6760	93	5	2	0	0			0
	n/a	Ewes & lambs	1172	440	2600	100	0	0	0	0			0
	n/a	Weaners	1192	280	3040	96	4	0	0	0			56
	n/a	Ewes	1368	0	4600	80	20	0	0	0			0
	n/a	Ewes	2328	360	6760	97	3	0	0	0			0
	n/a	Lambs	5256	1560	10960	90	10	0	0	0			0
	n/a	Weaners	6704	3920	13280	95	3	2	0	0			0
	n/a	Weaners	15960	4880	27640	100	0	0	0	0	0		0
Tamworth	n/a	Weaners	16	0	120	70	25	4	1	0			16
	n/a	Ewes	56	0	240								0
	n/a	Ewes	484	0	1240	97	3	0	0	0			0
	n/a	Ewes	1016	200	2000	100	0	0	0	0			0
	n/a	Hoggets	1712	40	3720	100	0	0	0	0			8
Condobolin	A	E	0	0	0								
	A	E	80	40	120								
	A	E	140	120	160			54	46				
Coonamble	A	E	0	0	0								
	MXD	E	80	40	120								
Moree	n/a	Ewes	0	0	0								13
	n/a	Ewes & lambs	956	80	1680	99	1	0	0	0			0
Narrabri	n/a	Ewes	8	0	40						0		12

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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New England Veterinary Centres, Armidale

tel (02) 6771 2022

Have you seen The Boss? **wormboss.com.au** Launched 11 March 2005

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

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