



# wormfaxnsw

ISSN 1444-3783

January 2008

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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>

(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 (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.

## 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": [www.agric.nsw.gov.au/reader/sheep-internal](http://www.agric.nsw.gov.au/reader/sheep-internal)

NSW Department of Primary Industries Regional Veterinary Labs:

[www.agric.nsw.gov.au/reader/das-laboratory](http://www.agric.nsw.gov.au/reader/das-laboratory)

"NATA accredited (to ISO 17025) and unsurpassed for breadth and quality of services".

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\* 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



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

RLPB District	Abbreviations
(ACT)	
Armidale	ARM
Balranald	BAL
Bombala	BOM
Bourke	
Braidwood	BRA
Brewarrina	BRE
Broken Hill	
Casino	
Central Tablelands	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-Merriwa	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	



WormFax NSW - 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	W	M	440	120	760									320		
ARM	A	E	524	0	1600			91	29							4
BOM	L	M	12	0	40											192
BOM	W	M	44	0	160											72
BOM	M	E	176	0	800			68	5	27						4
BOM	M	M	192	0	480			53	47							4
BOM	A	E	196	0	640			44	52	4						0
BOM	W	R	240	80	400											0
BOM	W	M	3132	1240	7000	95		3	2							32
BRA	W	M	12	0	120											72
BRA	A	E	20	0	40											0
BRA	L	M	40	0	80											60
BRA	H	E	120	80	160											0
BRA	H	E	140	0	400			55	38	7						0
CON	W	E	0	0	0											60
CON	H	E	20	0	40											0
GOU	A	E	92	0	200											0
GOU	W	M	228	0	480			13	87							96
GOU	A	E	452	80	840			39	52	9						4
GOU	M	M	548	120	2880	50		24	23	3	0	0				32
GUN	A	E	0	0	0											0
GUN	A	E	12	0	40											60
GUN	W	E	40	40	40											40
GUN	A	E	72	0	200											40
GUN	L	M	96	0	320											52
GUN	W	E	148	0	560			23	77							176
GUN	W	W	152	0	360											4
GUN	A	E	156	0	760											0
GUN	A	E	168	0	680			26	66	8						12
GUN	A	E	212	0	1040											0
HUM	A	E	80	0	280			61	12		27					0
HUM	W	M	104	0	480	25		11	7	2	55	0	0			60
HUM	A	E	388	0	1120			46	45	9						4
MOS	M	M	4218	0	14600	78		22								4
MUR	W	E	56	0	160			48	51	1						24
MUR	W	W	100	40	160			19	79		2					100
RIV	W	E	0	0	0											28
RIV	W	E	8	0	80											68
RIV	A	E	12	0	120											0
RIV	A	E	60	0	160											0
RIV	A	E	64	0	240											0
RIV	H	E	68	0	160											4
RIV	A	E	72	0	240											0
RIV	A	E	76	0	160											0
RIV	A	E	96	0	200											0
RIV	A	E	236	0	640											0
WAG	A	E	0	0	0											4
WAG	W	E	0	0	0											60
WAG	W	M	0	0	0											20
WAG	W	W	4	0	40											232
WAG	W	E	8	0	40											56
WAG	A	E	20	0	40											0
WAG	A	E	28	0	120											0
WAG	W	M	32	0	120											44
WAG	A	E	40	0	80											0
WAG	H	E	40	40	40											0
WAG	A	E	40	40	40											0
WAG	A	E	40	40	40											4
WAG	A	E	60	40	80											0
WAG	W	E	60	0	200											108
WAG	W	M	80	40	120											60
WAG	W	E	120	0	240			46	54							100
WAG	W	M	200	80	320			14	86							140
YAS	W	M	0	0	0											240
YAS	W	W	4	0	40											16
YAS	W	W	72	0	280											0
YAS	W	M	520	0	1600	22		9	68	1						184
YAS	M	M	992	40	2520	98				2	0	0				0
YOU	L	E	0	0	0											460
YOU	W	M	4	0	40											48
YOU	W	E	20	0	40											40
YOU	A	E	20	0	40											0
YOU	A	E	60	40	80											0
YOU	A	E	1180	760	1600	94		5			1					0

WormFax NSW - Data VHR

AREA	AGE / SEX		Strongyle Eggs per Gram				Larval culture/differentiation					Liver fluke		Nematodirus		
			Mean	Low	High	2040	Haem%	Trich%	Ost%	Oes%	Coop%	Count 1	Count 2	Mean	Low	High
	n/a	Wethers	898	160	2040								22	0	80	
	n/a	Mixed	2516	240	7600								4	0	40	
ARMIDALE	n/a	Mixed	0	0	0								0	0	0	
ARMIDALE	n/a	Rams	0	0	0								0	0	0	
ARMIDALE	n/a	Ewes & lambs	0	0	0						0		0	0	0	
ARMIDALE	n/a	Ewes & lambs	0	0	0						0		0	0	0	
ARMIDALE	n/a		4	0	40	0	73	27	0	0			0	0	0	
ARMIDALE	n/a		4	0	40	100	0	0	0	0			0	0	0	
ARMIDALE	n/a	Weaners	4	0	40	100	0	0	0	0			0	0	0	
ARMIDALE	n/a		4	0	40								0	0	0	
ARMIDALE	n/a	Rams	4	0	40								0	0	0	
ARMIDALE	n/a	Rams	4	0	40								0	0	0	
ARMIDALE	n/a	Rams	4	0	40								0	0	0	
ARMIDALE	n/a	Rams	4	0	40								0	0	0	
ARMIDALE	n/a	Rams	12	0	80								0	0	0	
ARMIDALE	n/a	Rams	12	0	120								0	0	0	
ARMIDALE	n/a	Rams	13	0	80								0	0	0	
ARMIDALE	n/a	Rams	20	0	40								0	0	0	
ARMIDALE	n/a	Ewes & lambs	28	0	240	0	100	0	0	0			0	0	0	
ARMIDALE	n/a	Rams	28	0	200	96	4	0	0	0			0	0	0	
ARMIDALE	n/a	Ewes & lambs	32	0	160	25	44	28	3	0			4	0	40	
ARMIDALE	n/a	Ewes	52	0	200	77	12	8	3	0			0	0	0	
ARMIDALE	n/a	Ewes	56	0	160						2		0	0	0	
ARMIDALE	n/a	Ewes	64	0	240	0	96	4	0	0			0	0	0	
ARMIDALE	n/a		76	0	240	0	43	18	39	0			0	0	0	
ARMIDALE	n/a	Ewes	80	0	280	32	33	9	26	0	11		0	0	0	
ARMIDALE	n/a	Ewes & lambs	84	0	200								0	0	0	
ARMIDALE	n/a	Mixed	88	0	560						3		4	0	40	
ARMIDALE	n/a	Hoggets	104	0	280	14	47	37	2	0	0		0	0	0	
ARMIDALE	n/a		112	0	280	3	82	11	4	0	0		0	0	0	
ARMIDALE	n/a	Ewes	120	0	440	7	88	5	0	0			52	0	240	
ARMIDALE	n/a	Ewes	124	0	760								0	0	0	
ARMIDALE	n/a		132	0	320	89	3	8	0	0			0	0	0	
ARMIDALE	n/a		132	0	520	94	6	0	0	0			0	0	0	
ARMIDALE	n/a		140	0	560	14	72	14	0	0	0		0	0	0	
ARMIDALE	n/a	Ewes	148	0	600	80	12	8	0	0	0		0	0	0	
ARMIDALE	n/a	Wethers	152	0	440	92	6	2	0	0	0		0	0	0	
ARMIDALE	n/a	Wethers	156	0	640	96	3	1	0	0	0		0	0	0	
ARMIDALE	n/a	Wethers	160	0	680	56	32	8	4	0	0		0	0	0	
ARMIDALE	n/a		168	0	520	32	54	14	0	0			4	0	40	
ARMIDALE	n/a	Ewes & lambs	180	0	440	18	56	25	1	0			0	0	0	
ARMIDALE	n/a		180	0	680	60	40	0	0	0			0	0	0	
ARMIDALE	n/a		208	0	640	0	84	16	0	0	0		4	0	40	
ARMIDALE	n/a	Ewes	216	0	640	49	32	19	0	0			0	0	0	
ARMIDALE	n/a	Mixed	216	0	920	70	26	4	0	0			0	0	0	
ARMIDALE	n/a		220	0	840	17	74	9	0	0			0	0	0	
ARMIDALE	n/a	Weaners	224	40	560	7	64	29	0	0			4	0	40	
ARMIDALE	n/a	Ewes	224	0	2240	47	25	2	26	0			0	0	0	
ARMIDALE	n/a	Ewes & lambs	224	0	880	91	2	6	1	0	0		0	0	0	
ARMIDALE	n/a		224	0	480								4	0	40	
ARMIDALE	n/a		225	0	760	0	93	7	0	0	0		0	0	0	
ARMIDALE	n/a		236	0	760	1	69	22	8	0	11		0	0	0	
ARMIDALE	n/a	Ewes & lambs	240	0	640	96	4	0	0	0			0	0	0	
ARMIDALE	n/a	Ewes & lambs	240	0	920						26		0	0	0	
ARMIDALE	n/a	Ewes & lambs	248	0	1680	100	0	0	0	0			0	0	0	
ARMIDALE	n/a	Mixed sex	256	0	640	0	67	30	3	0			4	0	40	
ARMIDALE	n/a	Ewes	264	0	1240	40	40	8	12	0	3		0	0	0	
ARMIDALE	n/a	Ewes	264	0	1800	89	7	4	0	0			0	0	0	
ARMIDALE	n/a	Hoggets	268	0	840						2		8	0	40	
ARMIDALE	n/a	Ewes & lambs	276	0	760	0	100	0	0	0	0		0	0	0	
ARMIDALE	n/a	Ewes	276	0	1600	83	8	6	3	0	0		0	0	0	
ARMIDALE	n/a	Weaners	284	0	920	6	88	6	0	0			4	0	40	
ARMIDALE	n/a	Hoggets	292	0	840	100	0	0	0	0			0	0	0	
ARMIDALE	n/a	Lambs	296	40	600	38	29	25	0	8			20	0	80	
ARMIDALE	n/a		324	0	2040	32	66	0	2	0	0		0	0	0	
ARMIDALE	n/a	Ewes & lambs	328	0	1520	44	44	10	2	0			8	0	80	
ARMIDALE	n/a	Wethers	340	0	760						2		0	0	0	
ARMIDALE	n/a	Mixed sex	348	0	2560	100	0	0	0	0	0		0	0	0	

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	Mixed sex	348	0	2560	100	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Mixed sex	348	0	2560	100	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Mixed sex	348	0	2560	100	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	368	0	1080	76	21	2	1	0	0	0	0	0	0	0
ARMIDALE	n/a	Weaners	376	0	1080	4	93	3	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	384	0	1240	27	41	12	20	0	0	0	0	0	0	0
ARMIDALE	n/a	Weaners	400	0	1240	19	78	3	0	0	0	0	0	4	0	40
ARMIDALE	n/a	Mixed sex	400	40	1720	82	16	2	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	412	0	1080	0	97	3	0	0	0	0	0	0	0	0
ARMIDALE	n/a		412	0	1360								4	0	40	
ARMIDALE	n/a	Ewes	412	0	1160							0	0	0	0	0
ARMIDALE	n/a		432	0	920	88	8	4	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Hoggets	444	0	2880	100	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	448	0	2120	6	86	2	6	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	448	0	3200	100	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	484	120	2640	90	10	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Hoggets	492	120	1800	62	25	5	8	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	504	0	2120	52	39	8	1	0	0	0	32	0	160	
ARMIDALE	n/a	Ewes	512	0	1840	34	43	23	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Wethers	512	40	1360	100	0	0	0	0	0	68	0	0	0	0
ARMIDALE	n/a	Hoggets	516	120	800	99	1	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	532	40	1000								0	0	0	0
ARMIDALE	n/a	Wethers	564	0	1520	32	37	7	24	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	576	0	1880	52	38	8	1	1	0	0	0	0	0	0
ARMIDALE	n/a	Hoggets	580	40	1480	88	8	4	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Weaners	596	280	1400	0	85	15	0	0	0	18	0	0	80	
ARMIDALE	n/a	Hoggets	632	0	1560	74	22	2	2	0	0	0	0	0	0	0
ARMIDALE	n/a		652	0	3000	0	96	4	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Lambs	652	160	1440	30	63	7	0	0	0	12	0	0	40	
ARMIDALE	n/a	Wethers	652	0	2360	84	15	1	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Wethers	680	0	1760	88	2	10	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Hoggets	720	40	1880	9	83	5	3	0	0	0	0	0	0	0
ARMIDALE	n/a	Lambs	736	200	1080	42	3	55	0	0	0	16	0	0	80	
ARMIDALE	n/a	Ewes & lambs	760	160	2040	89	9	2	0	0	0	0	20	0	120	
ARMIDALE	n/a	Ewes	768	120	2640	36	47	17	0	0	0	20	0	0	160	
ARMIDALE	n/a		768	160	1400	51	28	12	9	0	3	4	0	0	40	
ARMIDALE	n/a	Ewes	772	0	2520	3	87	2	8	0	0	0	0	0	0	0
ARMIDALE	n/a	Mixed sex	836	240	1960	26	69	2	3	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	856	0	3240	62	38	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Mixed	864	240	1680							0	0	0	0	0
ARMIDALE	n/a	Ewes	872	0	1920	7	83	5	5	0	0	0	0	0	0	0
ARMIDALE	n/a		876	200	1760	85	15	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a		900	0	3280	12	73	15	0	0	0	40	0	0	280	
ARMIDALE	n/a	Ewes	904	0	3960	28	71	1	0	0	3	0	0	0	0	0
ARMIDALE	n/a	Wethers	908	40	3480	85	7	8	0	0	0	4	0	0	40	
ARMIDALE	n/a	Wethers	916	0	5040	75	22	3	0	0	0	0	0	0	0	0
ARMIDALE	n/a		936	0	3000	90	7	1	2	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	1004	0	3000	68	31	0	1	0	3	0	0	0	0	0
ARMIDALE	n/a	Hoggets	1016	0	4840	100	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	1020	0	3080	50	41	9	0	0	0	4	0	0	40	
ARMIDALE	n/a	Hoggets	1048	0	2240	33	50	17	0	0	0	16	0	0	160	
ARMIDALE	n/a	Lambs	1068	0	3040	68	31	1	0	0	0	0	0	0	0	0
ARMIDALE	n/a		1076	440	2360	0	94	6	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Weaners	1120	0	2800	100	0	0	0	0	0	0	76	0	280	
ARMIDALE	n/a	Ewes	1148	0	3960	97	2	1	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	1172	80	5400	56	34	10	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Weaners	1172	0	8120							0	0	0	0	0
ARMIDALE	n/a	Ewes	1192	240	2760	76	24	0	0	0	3	0	0	0	0	0
ARMIDALE	n/a	Hoggets	1228	0	5000	100	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes & lambs	1232	40	2920	67	29	0	4	0	0	16	0	0	160	
ARMIDALE	n/a	Ewes	1240	0	4080	98	0	0	2	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	1244	40	4720							0	0	0	0	0
ARMIDALE	n/a	Hoggets	1288	320	2960	74	22	4	0	0	0	24	0	0	80	
ARMIDALE	n/a	Ewes & lambs	1336	240	4160	64	32	4	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	1340	0	12160							0	0	0	0	0
ARMIDALE	n/a	Wethers	1364	0	10760	94	6	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	1396	0	4920	91	4	5	0	0	0	4	0	0	40	
ARMIDALE	n/a	Ewes & lambs	1568	0	12720	100	0	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Ewes	1568	0	4640							0	0	0	0	0
ARMIDALE	n/a		1596	0	3440	58	40	2	0	0	3	0	0	0	0	0
ARMIDALE	n/a	Wethers	1612	0	4800	72	28	0	0	0	0	0	0	0	0	0
ARMIDALE	n/a	Hoggets	1620	160	3920	19	75	2	4	0	0	12	0	0	120	

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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	Hoggets	1704	0	5640	89	11	0	0	0	0	2		4	0	40
ARMIDALE	n/a	Weaners	1728	360	3080	20	77	3	0	0	0			12	0	120
		Ewes & lambs	1808	80	6600	100	0	0	0	0	0			0	0	0
ARMIDALE	n/a	Ewes	1876	0	12920									0	0	0
ARMIDALE	n/a	Ewes	1940	0	3720	98	2	0	0	0	0			4	0	40
ARMIDALE	n/a	Hoggets	2040	0	7840	73	27	0	0	0	0	18		0	0	0
ARMIDALE	n/a		2072	680	3920									4	0	40
ARMIDALE	n/a	Wethers	2132	0	8920	79	11	8	2	0	0	0		0	0	0
ARMIDALE	n/a	Lambs	2484	200	8480	99	1	0	0	0	0			24	0	120
ARMIDALE	n/a		2588	160	5960	86	13	1	0	0	0			0	0	0
ARMIDALE	n/a	Hoggets	2712	840	4880									8	0	80
ARMIDALE	n/a	Ewes	2848	480	7360	62	36	2	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	3384	920	8320	74	24	2	0	0	0	0		56	0	160
ARMIDALE	n/a		3416	240	8560	68	30	2	0	0	0	3		0	0	0
ARMIDALE	n/a	Wethers	3432	680	8040	32	67	1	0	0	0			0	0	0
ARMIDALE	n/a		3920	200	9880	89	10	0	1	0	0	3		0	0	0
		Ewes & lambs	4140	40	16440	93	7	0	0	0	0			0	0	0
ARMIDALE	n/a	Weaners	4580	480	14200	94	6	0	0	0	0			8	0	40
ARMIDALE	n/a	Wethers	4628	160	11200	73	27	0	0	0	0			56	0	280
ARMIDALE	n/a	Ewes	4748	0	21600									0	0	0
ARMIDALE	n/a		6460	80	25080	95	5	0	0	0	0	3		0	0	0
ARMIDALE	n/a	Weaners	6512	1240	19200									8	0	40
		Ewes & lambs	6832	0	16720	100	0	0	0	0	0			0	0	0
ARMIDALE	n/a					0	81	19	0	0	0					
ARMIDALE	n/a	Ewes				80	19	1	0	0	0					
BALRANALD	n/a	Weaners	16	0	160	0	57	43	0	0	0			16	0	80
CENTRAL TABLELANDS	n/a	Weaners	12	0	40	2	75	23	0	0	0	0		0	0	0
CENTRAL TABLELANDS	n/a	Ewes	104	0	360	30	45	15	10	0	0	4		0	0	0
COOMA	n/a	Weaners	128	0	320	0	83	17	0	0	0			16	0	40
COONABARABRAN	n/a	Ewes	12	0	40									0	0	0
COONABARABRAN	n/a	Ewes	32	0	160	0	93	7	0	0	0			0	0	0
COONABARABRAN	n/a	Weaners	52	0	200	5	82	13	0	0	0			4	0	40
COONABARABRAN	n/a	Ewes	1092	200	2320	77	14	7	2	0	0			48	0	320
HUME	n/a	Ewes	84	0	320	67	28	5	0	0	0			0	0	0
HUNTER	n/a	Ewes	1708	0	3560	5	95	0	0	0	0			8	0	80
MOLONG	n/a	Weaners	0	0	0	26	37	37	0	0	0			12	0	80
MOLONG	n/a	Ewes	44	0	120									4	0	40
MOLONG	n/a	Ewes	356	40	1520	80	10	7	3	0	0			0	0	0
MOLONG	n/a	Ewes	484	80	1600	91	7	0	2	0	0			0	0	0
MOREE	n/a		0	0	0									0	0	0
MOREE	n/a	Ewes & lambs	12	0	40									20	0	80
MOREE	n/a	Ewes & lambs	16	0	40									24	0	160
MOREE	n/a	Ewes & lambs	76	0	200	17	45	38	0	0	0			12	0	80
MOREE	n/a	Ewes & lambs	108	0	280	82	13	5	0	0	0			20	0	160
MOREE	n/a	Ewes	1768	240	4160	98	2	0	0	0	0			8	0	80
NARRABRI	n/a	Weaners	1300	760	2040	89	11	0	0	0	0			36	0	160
NORTHERN NEW ENGLAND	n/a	Wethers	0	0	0	0	0	0	0	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Wethers	16	0	80							37		0	0	0
NORTHERN NEW ENGLAND	n/a	Lambs	16	0	80									0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	24	0	80	5	70	25	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed	52	0	520	21	70	9	0	0	0			4	0	40
NORTHERN NEW ENGLAND	n/a	Lambs	96	0	520	91	9	0	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	96	0	280	96	4	0	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	248	0	680	7	53	15	25	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Lambs	284	0	640	100	0	0	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes & lambs	284	0	1440							2		0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes & lambs	340	0	1000	1	97	2	0	0	0			0	0	0

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			Mean	Low	High	Haem%	Trich%	Ost%	Oes%	Coop%	Count 1	Count 2	Mean	Low	High
NORTHERN NEW ENGLAND	n/a	Hoggets	396	0	2200	9	81	3	7	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	488	0	1320	6	69	6	19	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	632	80	1880	11	81	5	3	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	720	0	2040	97	3	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Weaners	816	80	3720	41	56	3	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Wethers	984	40	2920	100	0	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes & lambs	1168	400	2680	90	10	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	1552	40	6000	100	0	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Weaners	1648	40	10080	84	16	0	0	0	2		12	0	80
NORTHERN NEW ENGLAND	n/a	Ewes & lambs	1880	120	5440	96	4	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	2160	280	8120	96	4	0	0	0	2		4	0	40
NORTHERN NEW ENGLAND	n/a	Ewes	2268	0	7600	100	0	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes & lambs	3108	0	15320	92	7	1	0	0	0		0	0	0
NORTHERN NEW ENGLAND	n/a	Lambs	3124	320	6560	55	43	1	1	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Ewes	3808	0	14680	100	0	0	0	0			0	0	0
NORTHERN NEW ENGLAND	n/a	Mixed									1				
TAMWORTH	n/a		360	0	1920								0	0	0
TAMWORTH	n/a	Mixed sex	668	400	1080	2	79	14	5	0			128	0	320
TAMWORTH	n/a	Weaners	696	80	1600	0	65	35	0	0			0	0	0
TAMWORTH	n/a	Mixed sex	2040	640	3520	0	82	18	0	0			96	0	200
WALGETT	n/a	Ewes	132	0	400	0	100	0	0	0			0	0	0
YASS	n/a		60	0	200						0		0	0	0
YASS	n/a	Ewes	191	0	600	0	96	4	0	0	0		4	0	40
YOUNG	n/a	Ewes	80	0	240								0	0	0