



# wormfaxnsw

ISSN 1444-3783

January 2009

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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.

## 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

| 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-Merrivale   | 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              |               |



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

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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 |
| BOM  | A         | E | 0                       | 0    | 0    |                                |        |      |      |             |         |         |             |     | 0    |
| BOM  | L         | M | 160                     | 80   | 240  |                                |        |      |      |             |         |         |             |     | 120  |
| BOM  | A         | E | 552                     | 0    | 1200 | 95                             | 3      | 23   |      |             | 2       | 1       |             |     | 0    |
| BRA  | A         | E | 52                      | 0    | 280  |                                |        |      |      |             |         |         |             |     | 0    |
| BRA  | W         | M | 200                     | 0    | 400  |                                | 26     | 71   | 2    | 1           |         |         |             |     | 112  |
| FOR  | W         | M | 0                       | 0    | 0    |                                |        |      |      |             |         |         |             |     | 0    |
| FOR  | A         | E | 100                     | 0    | 360  |                                |        |      |      |             |         |         |             |     | 12   |
| FOR  | W         | M | 1524                    | 800  | 2400 |                                | 86     | 11   | 3    |             |         |         |             |     | 100  |
| GOU  | W         | M | 256                     | 80   | 440  | 76                             | 12     | 12   |      |             |         |         |             |     | 164  |
| GOU  | H         | M | 304                     | 40   | 640  |                                |        |      |      |             |         |         |             |     | 132  |
| GOU  | M         | M | 320                     | 160  | 480  |                                |        |      |      |             |         |         |             |     | 100  |
| GOU  | M         | E | 444                     | 0    | 1000 | 28                             | 41     | 9    | 15   | 7           |         |         |             |     | 8    |
| GOU  | A         | E | 604                     | 120  | 1640 | 2                              | 91     | 5    | 2    |             |         |         |             |     | 36   |
| GUN  | W         | M | 0                       | 0    | 0    |                                |        |      |      |             |         |         |             |     | 0    |
| GUN  | W         | E | 160                     | 120  | 200  |                                |        |      |      |             |         |         |             |     | 180  |
| HUM  | W         | E | 24                      | 0    | 80   |                                |        |      |      |             |         |         |             |     | 112  |
| HUM  | W         | M | 80                      | 40   | 120  |                                |        |      |      |             |         |         |             |     | 0    |
| HUM  | M         | E | 120                     | 80   | 160  |                                |        |      |      |             |         |         |             |     | 0    |
| HUN  | W         | M | 284                     | 0    | 800  |                                |        |      |      |             |         |         |             |     | 0    |
| MOS  | A         | E | 460                     | 360  | 560  | 31                             | 54     | 11   | 4    |             |         |         |             |     | 20   |
| MUR  | W         | E | 4                       | 0    | 40   |                                |        |      |      |             |         |         |             |     | 40   |
| MUR  | W         | R | 28                      | 0    | 120  |                                |        |      |      |             |         |         |             |     | 36   |
| RIV  | A         | E | 40                      | 40   | 40   |                                |        |      |      |             |         |         |             |     | 0    |
| RIV  | M         | E | 40                      | 40   | 40   |                                |        |      |      |             |         |         |             |     | 0    |
| RIV  | H         | E | 120                     | 80   | 160  |                                |        |      |      |             |         |         |             |     | 20   |
| WAG  | M         | E | 0                       | 0    | 0    |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | W         | E | 0                       | 0    | 0    |                                |        |      |      |             |         |         |             |     | 28   |
| WAG  | W         | E | 0                       | 0    | 0    |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | W         | E | 4                       | 0    | 40   |                                |        |      |      |             |         |         |             |     | 108  |
| WAG  | W         | M | 4                       | 0    | 40   |                                |        |      |      |             |         |         |             |     | 64   |
| WAG  | W         | W | 8                       | 0    | 80   |                                |        |      |      |             |         |         |             |     | 20   |
| WAG  | M         | E | 20                      | 0    | 40   |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | A         | E | 24                      | 0    | 160  |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | H         | E | 36                      | 0    | 160  |                                |        |      |      |             |         |         |             |     | 4    |
| WAG  | W         | E | 36                      | 0    | 160  |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | A         | E | 40                      | 0    | 80   |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | W         | M | 60                      | 40   | 80   |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | A         | E | 64                      | 0    | 200  |                                |        |      |      |             |         |         |             |     | 24   |
| WAG  | A         | E | 64                      | 0    | 200  |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | A         | E | 72                      | 0    | 240  |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | H         | E | 76                      | 0    | 200  |                                |        |      |      |             |         |         |             |     | 20   |
| WAG  | W         | M | 80                      | 40   | 120  |                                |        |      |      |             |         |         |             |     | 80   |
| WAG  | W         | M | 80                      | 40   | 120  |                                |        |      |      |             |         |         |             |     | 20   |
| WAG  | A         | E | 108                     | 0    | 320  |                                | 4      | 91   | 5    |             |         |         |             |     | 20   |
| WAG  | L         | M | 112                     | 40   | 200  | 1                              | 1      | 98   |      |             |         |         |             |     | 152  |
| WAG  | H         | E | 112                     | 0    | 320  |                                | 18     | 76   | 6    |             |         |         |             |     | 44   |
| WAG  | M         | E | 120                     | 120  | 120  |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | W         | M | 120                     | 80   | 160  |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | M         | E | 140                     | 40   | 240  |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | A         | E | 140                     | 120  | 160  |                                |        |      |      |             |         |         |             |     | 0    |
| WAG  | W         | M | 260                     | 200  | 320  |                                | 3      | 97   |      |             |         |         |             |     | 120  |
| WAG  | H         | E | 380                     | 40   | 840  |                                | 57     | 32   | 11   |             |         |         |             |     | 8    |
| YAS  | A         | W | 352                     | 40   | 1240 |                                |        |      |      |             |         |         |             |     | 4    |
| YAS  | W         | W | 532                     | 80   | 1040 |                                |        | 100  |      |             |         |         |             |     | 212  |
| YAS  | W         | R | 576                     | 80   | 1080 |                                | 2      | 97   | 1    |             |         |         |             |     | 188  |
| YAS  | W         | E | 812                     | 120  | 3200 |                                |        |      |      |             |         |         |             |     | 116  |
| YOU  | W         | M | 0                       | 0    | 0    |                                |        |      |      |             |         |         |             |     | 80   |
| YOU  | W         | M | 0                       | 0    | 0    |                                |        |      |      |             |         |         |             |     | 256  |
| YOU  | A         | E | 8                       | 0    | 40   |                                |        |      |      |             |         |         |             |     | 0    |
| YOU  | W         | M | 16                      | 0    | 80   |                                |        |      |      |             |         |         |             |     | 4    |
| YOU  | A         | E | 20                      | 0    | 40   |                                |        |      |      |             |         |         |             |     | 0    |
| YOU  | A         | E | 20                      | 0    | 80   |                                |        |      |      |             |         |         |             |     | 0    |
| YOU  | M         | M | 120                     | 0    | 440  |                                |        |      |      |             |         |         |             |     | 56   |
| YOU  | M         | M | 156                     | 0    | 320  |                                | 64     | 36   |      |             |         |         |             |     | 92   |
| YOU  | M         | M | 720                     | 320  | 1120 |                                |        |      |      |             |         |         |             |     | 60   |
| YOU  | W         | M | 1540                    | 1200 | 1880 |                                | 62     | 29   | 9    |             |         |         |             |     | 100  |

| 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 |
| BREW | W         | MXD | 112                     | 0    | 240    |                                | 95     | 5    |      |             |         |             |      | 4   |
| CNT  | A         | E   | 0                       | 0    | 0      |                                |        |      |      |             |         |             |      |     |
| CNT  | A         | E   | 0                       | 0    | 0      |                                |        |      |      |             |         |             |      |     |
| CNT  | W         | E   | 0                       | 0    | 0      |                                |        |      |      |             |         |             |      |     |
| CNT  | A         | E   | 40                      | 0    | 80     |                                |        |      |      |             |         |             |      |     |
| CNT  | W         | MXD | 60                      | 0    | 120    |                                |        |      |      |             |         |             |      | 24  |
| CNT  | ?         | ?   | 60                      | 40   | 80     |                                |        |      |      |             |         |             |      |     |
| CNT  | A         | E   | 80                      | 80   | 80     |                                |        |      |      |             |         |             |      |     |
| CNT  | ?         | ?   | 132                     | 0    | 760    |                                | 61     | 39   |      |             |         |             |      | 4   |
| CNT  | W         | MXD | 140                     | 40   | 240    | 4                              | 23     | 69   | 4    |             |         |             |      | 140 |
| CNT  | A         | E   | 664                     | 0    | 1840   | 19                             | 54     | 18   | 9    |             |         |             |      |     |
| CON  | W         | MXD | 400                     | 160  | 760    |                                | 56     | 44   |      |             |         |             |      | 64  |
| COON | A         | MXD | 4                       | 0    | 40     |                                |        |      |      |             |         |             |      | 160 |
| COON | MXD       | E   | 12                      | 0    | 40     |                                |        |      |      |             |         |             |      |     |
| COON | W         | MXD | 244                     | 0    | 920    | 100                            |        |      |      |             |         |             |      |     |
| COON | A         | E   | 276                     | 0    | 1160   | 24                             | 62     | 5    | 9    |             |         |             |      |     |
| COON | W         | MXD | 692                     | 120  | 1480   |                                | 94     | 5    | 1    |             |         |             |      | 76  |
| COON | MXD       | MXD | 904                     | 80   | 2080   |                                |        |      |      |             |         |             |      |     |
| COON | ?         | MXD | 1040                    | 40   | 6760   | 44                             | 54     |      | 2    |             |         |             |      | 20  |
| COON | W         | MXD | 2396                    | 760  | 5640   |                                | 53     | 11   | 35   | 1           |         |             |      | 760 |
| COON | W         | MXD | 2740                    | 2480 | 3000   |                                |        |      |      |             |         |             |      | 120 |
| COON | W         | MXD | 4480                    | 1480 | 11840  | 53                             | 43     | 2    | 1    | 1           |         |             |      | 484 |
| DUB  | W         | E   | 0                       | 0    | 0      |                                |        |      |      |             |         |             |      |     |
| DUB  | W         | MXD | 0                       | 0    | 0      |                                |        |      |      |             |         |             |      |     |
| DUB  | L         | MXD | 0                       | 0    | 0      |                                |        |      |      |             |         |             |      |     |
| DUB  | A         | E   | 60                      | 0    | Jul-00 |                                |        |      |      |             |         |             |      | 4   |
| DUB  | H         | E   | 128                     | 0    | 360    | 1                              | 21     | 78   |      |             |         |             |      | 20  |
| DUB  | W         | MXD | 160                     | 0    | 600    |                                | 13     | 87   |      |             |         |             |      | 148 |
| DUB  | W         | MXD | 384                     | 120  | 640    |                                |        |      |      |             |         |             |      | 184 |
| DUB  | H         | E   | 1720                    | 640  | 4120   | 90                             | 10     |      |      |             |         |             |      | 44  |
| DUB  | W         | MXD | 1780                    | 440  | 3120   | 100                            |        |      |      |             |         |             |      |     |
| FOR  | A         | E   | 0                       | 0    | 0      |                                |        |      |      |             |         |             |      |     |
| FOR  | A         | E   | 40                      | 40   | 40     |                                |        |      |      |             |         |             |      |     |
| FOR  | A         | E   | 84                      | 0    | 200    |                                |        |      |      |             |         |             |      |     |
| FOR  | H         | E   | 100                     | 40   | 160    |                                | 25     | 75   |      |             |         |             |      |     |
| FOR  | W         | MXD | 652                     | 120  | 1200   | 77                             | 8      | 15   |      |             |         |             |      | 48  |
| MOL  | ?         | R   | 100                     | 80   | 120    |                                |        |      |      |             |         |             |      |     |
| MOL  | MXD       | MXD | 160                     | 0    | 320    |                                | 53     | 26   | 21   |             |         |             |      | 20  |
| MUD  | A         | E   | 4                       | 0    | 40     |                                |        |      |      |             |         |             |      |     |
| MUD  | H         | MXD | 220                     | 120  | 320    |                                |        |      |      |             |         |             |      |     |
| MUD  | H         | MXD | 252                     | 40   | 600    |                                | 44     | 46   | 10   |             |         |             |      |     |
| MUD  | A         | MXD | 424                     | 80   | 840    | 10                             | 83     | 7    |      |             |         |             |      | 56  |
| MUD  | W         | MXD | 460                     | 400  | 520    | 6                              | 51     | 7    | 36   |             |         |             |      |     |
| MUD  | L         | MXD | 580                     | 120  | 1240   | 11                             | 43     | 42   | 4    |             |         |             |      | 388 |
| MUD  | A         | E   | 584                     | 40   | 2240   | 24                             | 74     | 2    |      |             |         |             |      | 56  |
| MUD  | MXD       | E&L | 1180                    | 1080 | 1280   | 4                              | 39     | 15   | 42   |             |         |             |      |     |
| MUD  | A         | E   | 1640                    | 1200 | 2080   |                                |        |      |      |             |         |             |      | 40  |
| MUD  | L         | MXD | 3080                    | 680  | 6400   | 15                             | 85     |      |      |             |         |             |      | 228 |
| WAL  | W         | MXD | 24                      | 0    | 80     |                                |        |      |      |             |         |             |      | 20  |
| WAL  | W         | MXD | 2068                    | 280  | 4640   | 68                             | 32     |      |      |             |         |             |      | 16  |
| WAL  | W         | MXD | 2640                    | 40   | 8000   | 87                             | 9      | 4    |      |             |         |             |      | 28  |
| WAL  | A         | E   | 2840                    | 360  | 6960   | 96                             | 4      |      |      |             |         |             |      |     |
| WAL  | W         | MXD | 3036                    | 600  | 8840   | 83                             | 13     | 4    |      |             |         |             |      | 112 |
| WAL  | A         | E   | 10448                   | 7160 | 17160  | 88                             | 12     |      |      |             |         |             |      |     |
| WAL  | A         | E   | 13088                   | 360  | 20640  | 99                             | 1      |      |      |             |         |             |      | 8   |
| YOU  | H         | E   | 0                       | 0    | 0      |                                |        |      |      |             |         |             |      |     |
| YOU  | W         | W   | 0                       | 0    | 0      |                                |        |      |      |             |         |             |      | 40  |
| YOU  | W         | MXD | 0                       | 0    | 0      |                                |        |      |      |             |         |             |      |     |
| YOU  | W         | MXD | 20                      | 0    | 40     | 11                             | 12     | 77   |      |             |         |             |      |     |
| YOU  | H         | W   | 20                      | 0    | 40     |                                |        |      |      |             |         |             |      | 20  |
| YOU  | W         | MXD | 40                      | 40   | 40     | 1                              | 29     | 70   |      |             |         |             |      |     |
| YOU  | L         | MXD | 180                     | 120  | 240    |                                | 5      | 95   |      |             |         |             |      |     |
| YOU  | A         | E   | 200                     | 0    | 560    |                                | 60     | 18   | 22   |             |         |             |      |     |
| YOU  | H         | MXD | 228                     | 0    | 520    |                                | 63     | 34   | 3    |             |         |             |      |     |
| YOU  | A         | ?   | 256                     | 0    | 640    |                                |        |      |      |             |         |             |      |     |
| YOU  | A         | E   | 348                     | 0    | 1360   |                                |        |      |      |             |         |             |      | 8   |
| YOU  | H         | MXD | 380                     | 360  | 400    |                                |        |      |      |             |         |             |      | 300 |
| YOU  | L         | MXD | 440                     | 320  | 560    |                                | 38     | 62   |      |             |         |             |      | 80  |

| 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 |
| CNT  | ?         | E                       | 0    | 0    | 0                              |        |      |      |             |         |             |      |     |      |
| CNT  | A         | E                       | 0    | 20   | 40                             |        |      |      |             |         |             |      |     |      |
| CNT  | ?         | E                       | 0    | 0    | 0                              |        |      |      |             |         |             |      |     |      |
| CNT  | ?         | E                       | 0    | 0    | 0                              |        |      |      |             |         |             |      |     |      |
| CNT  | A         | E                       | 20   | 0    | 40                             |        |      |      |             |         |             |      |     | 20   |
| CNT  | A         | E                       | 40   | 0    | 80                             |        |      |      |             |         |             |      |     |      |
| CNT  | A         | E                       | 40   | 40   | 40                             |        |      |      |             |         |             |      |     |      |
| CNT  | A         | E                       | 60   | 40   | 80                             |        |      |      |             |         |             |      |     |      |
| CNT  | W         | ?                       | 60   | 40   | 80                             |        |      |      |             | no      |             |      |     | 20   |
| CNT  | A         | E                       | 80   | 0    | 320                            |        |      |      |             |         |             |      |     |      |
| CNT  | A         | E                       | 80   | 40   | 120                            |        |      |      |             | yes     |             |      |     |      |
| CNT  | A         | E                       | 80   | 80   | 80                             |        |      |      |             |         |             |      |     |      |
| CNT  | A         | E                       | 80   | 40   | 120                            |        |      |      |             |         |             |      |     |      |
| CNT  | A         | E                       | 80   | 0    | 160                            |        |      |      |             |         |             |      |     |      |
| CNT  | A         | E                       | 80   | 40   | 120                            |        |      | 81   | 19          |         |             |      |     |      |
| CNT  | L         | MXD                     | 100  | 40   | 160                            | 76     | 16   | 8    |             |         |             |      |     | 20   |
| CNT  | A         | E                       | 180  | 40   | 400                            |        | 47   | 29   | 24          |         |             |      |     | 4    |
| CNT  | ?         | ?                       | 196  | 0    | 400                            | 16     | 67   | 9    | 8           |         |             |      |     | 4    |
| CNT  | A         | E                       | 220  | 160  | 280                            |        | 89   | 11   |             |         |             |      |     |      |
| CNT  | W         | MXD                     | 260  | 160  | 360                            | 6      | 80   | 6    | 8           |         |             |      |     | 100  |
| CNT  | A         | E                       | 340  | 200  | 480                            | 1      | 69   | 21   | 9           |         |             |      |     |      |
| CNT  | ?         | W                       | 340  | 120  | 560                            | 2      | 13   | 70   | 12          | 3       |             |      |     |      |
| CNT  | A         | E                       | 380  | 360  | 400                            | 20     | 40   | 10   | 30          |         |             |      |     |      |
| CNT  | ?         | MXD                     | 380  | 120  | 640                            | 70     | 9    | 84   |             |         |             |      |     | 40   |
| CNT  | ?         | ?                       | 400  | 200  | 600                            |        | 21   | 59   | 16          | 4       |             |      |     | 20   |
| CNT  | MXD       | E                       | 440  | 360  | 520                            |        | 75   | 25   |             |         |             |      |     |      |
| CNT  | MXD       | MXD                     | 500  | 240  | 760                            |        | 50   | 20   | 30          |         |             |      |     | 100  |
| CNT  | W         | MXD                     | 536  | 160  | 1160                           |        | 36   | 37   | 26          | 1       |             |      |     | 96   |
| CNT  | A         | MXD                     | 620  | 480  | 760                            | 16     | 72   | 8    | 4           | yes     |             |      |     | 20   |
| CNT  | W         | MXD                     | 836  | 200  | 1720                           |        | 52   | 8    | 4           | 36      |             |      |     | 292  |
| CNT  | ?         | MXD                     | 880  | 680  | 1080                           |        | 66   | 13   | 20          | 1       |             |      |     |      |
| CNT  | W         | E                       | 900  | 840  | 960                            | 28     | 72   |      |             |         |             |      |     | 20   |
| CNT  | L         | MXD                     | 1220 | 80   | 7640                           | 8      | 48   | 44   |             |         |             |      |     | 308  |
| CNT  | A         | E                       | 2496 | 0    | 4520                           | 4      | 93   | 1    | 2           |         |             |      |     | 12   |
| CNT  | H         | MXD                     | 2572 | 600  | 9040                           | 42     | 57   | 1    |             |         |             |      |     | 16   |
| CNT  | ?         | ?                       | 3780 | 2000 | 5560                           | 83     | 14   | 3    |             |         |             |      |     | 20   |
| COO  | A         | E                       | 12   | 0    | 80                             |        |      |      |             |         |             |      |     |      |
| COO  | W         | MXD                     | 20   | 0    | 40                             |        |      |      |             |         |             |      |     | 20   |
| COO  | A         | E                       | 60   | 0    | 240                            |        |      |      |             |         |             |      |     |      |
| COO  | H         | E                       | 60   | 40   | 80                             |        |      |      |             |         |             |      |     |      |
| COO  | M         | E                       | 132  | 0    | 280                            |        |      |      |             |         |             |      |     | 0    |
| COO  | W         | MXD                     | 188  | 0    | 400                            | 77     | 11   | 12   |             |         |             |      |     | 104  |
| COO  | A         | E                       | 280  | 0    | 1000                           |        | 90   |      | 10          |         |             |      |     |      |
| COO  | W         | E                       | 360  | 280  | 440                            | 62     | 1    | 27   | 4           | 6       |             |      |     | 60   |
| COO  | W         | E                       | 376  | 40   | 1320                           |        | 100  |      |             |         |             |      |     | 32   |
| COO  | W         | MXD                     | 648  | 200  | 1520                           | 84     | 14   |      |             | 2       |             |      |     |      |
| COO  | A         | E                       | 656  | 40   | 1960                           |        |      |      |             |         |             |      |     | 20   |
| COO  | W         | MXD                     | 732  | 120  | 1640                           | 8      | 40   | 52   |             |         |             |      |     | 24   |
| COO  | A         | E                       | 1020 | 600  | 1440                           | 90     | 4    | 6    |             |         |             |      |     | 40   |
| COO  | A         | E                       | 1060 | 40   | 2960                           | 19     | 74   | 3    | 4           |         |             |      |     | 4    |
| COO  | W         | MXD                     | 1128 | 160  | 4320                           | 41     | 21   | 38   |             |         |             |      |     | 8    |
| COO  | W         | W                       | 1160 | 1120 | 1200                           |        |      |      |             |         |             |      |     | 120  |
| COO  | W         | R                       | 1320 | 1280 | 1360                           | 77     | 11   | 10   | 2           |         |             |      |     | 20   |
| COO  | W         | RAM                     | 1380 | 1240 | 1520                           | 78     | 14   | 7    | 1           |         |             |      |     | 360  |
| COO  | A         | E                       | 1540 | 1120 | 1960                           |        |      |      |             |         |             |      |     |      |
| COO  | H         | MXD                     | 1560 | 0    | 10000                          | 100    |      |      |             |         |             |      |     | 4    |
| COO  | H         | E                       | 1864 | 0    | 8760                           | 52     | 48   |      |             |         |             |      |     |      |
| COO  | A         | E                       | 1964 | 200  | 4760                           | 67     | 32   | 1    |             |         |             |      |     |      |
| COO  | W         | MXD                     | 2128 | 800  | 3880                           | 63     | 29   | 8    |             |         |             |      |     | 140  |
| COO  | A         | E                       | 2328 | 80   | 8000                           | 83     | 17   |      |             |         |             |      |     |      |
| COO  | A         | E                       | 2700 | 2360 | 3040                           | 87     | 12   |      | 1           |         |             |      |     |      |
| CTL  | A         | E                       | 0    | 0    | 0                              |        |      |      |             |         |             |      |     | 0    |
| CTL  | A         | E                       | 0    | 0    | 0                              |        |      |      |             |         |             |      |     | 0    |
| CTL  | A         | E                       | 0    | 0    | 0                              |        |      |      |             |         |             |      |     | 0    |
| CTL  | M         | M                       | 60   | 0    | 120                            |        |      |      |             |         |             |      |     | 0    |
| CTL  | M         | E                       | 80   | 40   | 120                            |        |      |      |             |         |             |      |     | 0    |
| CTL  | W         | M                       | 120  | 80   | 160                            |        |      |      |             |         |             |      |     | 0    |
| CTL  | A         | E                       | 960  | 600  | 1320                           | 76     | 9    | 13   | 2           |         |             |      |     | 0    |
| CTL  | A         | E                       | 1040 | 400  | 1680                           |        | 90   | 6    | 3           | 1       |             |      |     | 0    |
| DUB  | W         | MXD                     | 0    | 0    | 0                              |        |      |      |             |         |             |      |     |      |
| DUB  | W         | E                       | 28   | 0    | 120                            |        |      |      |             |         |             |      |     | 12   |
| DUB  | A         | E                       | 44   | 0    | 160                            |        |      |      |             |         |             |      |     |      |
| DUB  | W         | E                       | 72   | 0    | 400                            |        |      |      |             |         |             |      |     | 24   |
| DUB  | W         | M                       | 88   | 0    | 200                            |        |      |      |             |         |             |      |     | 0    |
| DUB  | A         | E                       | 100  | 0    | 280                            | 57     | 43   |      |             |         |             |      |     | 8    |
| DUB  | H         | E                       | 100  | 40   | 160                            |        | 71   | 29   |             |         |             |      |     | 40   |
| DUB  | W         | ?                       | 120  | 40   | 200                            |        |      |      |             |         |             |      |     | 20   |
| DUB  | H         | E                       | 132  | 0    | 400                            | 18     | 82   |      |             |         |             |      |     |      |
| DUB  | W         | MXD                     | 160  | 0    | 360                            |        | 32   | 68   |             |         |             |      |     | 108  |
| DUB  | A         | E                       | 180  | 80   | 280                            | 36     | 27   | 15   | 22          |         |             |      |     |      |
| DUB  | H         | E                       | 264  | 0    | 1000                           | 43     | 47   | 2    | 8           |         |             |      |     |      |
| DUB  | W         | W                       | 360  | 200  | 520                            | 1      | 91   | 8    |             |         |             |      |     | 200  |
| DUB  | A         | ?                       | 360  | 40   | 680                            | 74     | 14   | 10   | 2           |         |             |      |     |      |
| DUB  | A         | E                       | 1044 | 0    | 5920                           | 44     | 48   | 5    | 3           |         |             |      |     | 36   |
| DUB  | A         | E                       | 1048 | 40   | 2560                           | 48     | 28   | 4    | 20          |         |             |      |     |      |
| DUB  | A         | E                       | 1244 | 360  | 3080                           | 49     | 27   | 17   |             | 7       |             |      |     |      |
| DUB  | W         | Male                    | 1620 | 400  | 3600                           | 28     | 44   | 24   | 4           |         |             |      |     | 180  |
| DUB  | W         | MXD                     | 2212 | 360  | 5280                           |        |      |      |             |         |             |      |     | 48   |
| DUB  | W         | MXD                     | 2440 | 1040 | 4400                           |        | 88   | 12   |             |         |             |      |     | 64   |
| DUB  | A         | MXD                     | 2860 | 120  | 5600                           |        |      |      |             |         |             |      |     |      |
| DUB  | A         | E                       | 3164 | 680  | 8760                           | 46     | 59   | 2    | 3           |         |             |      |     |      |
| FOR  | A         | E                       | 4    | 0    | 40                             |        |      |      |             |         |             |      |     |      |
| FOR  | MXD       | MXD                     | 96   | 0    | 400                            |        |      |      |             |         |             |      |     |      |
| FOR  | MXD       | E                       | 160  | 40   | 280                            | 2      | 95   | 3    |             |         |             |      |     |      |
| FOR  | W         | E                       | 160  | 120  | 200                            | 33     | 19   | 47   |             | 1       |             |      |     | 40   |
| FOR  | A         | E                       | 200  | 160  | 240                            | 60     | 13   | 22   | 5           |         |             |      |     |      |
| FOR  | A         | E                       | 280  | 120  | 440                            | 1      | 36   | 62   | 1           |         |             |      |     |      |
| FOR  | A         | E                       | 392  | 80   | 1160                           | 43     | 49   | 6    | 2           |         |             |      |     |      |

| 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 |
| FOR     | W         | E   | 1860                    | 1120 | 2600 |                                | 74     | 26   |      |             |         |             | 180  |     |      |
| HUM     | H         | E   | 0                       | 0    | 0    |                                |        |      |      |             | 0       | 0           | 20   |     |      |
| HUM     | M         | E   | 0                       | 0    | 0    |                                |        |      |      |             | 0       | 0           | 0    |     |      |
| HUM     | M         | E   | 0                       | 0    | 0    |                                |        |      |      |             | 0       | 0           | 20   |     |      |
| HUM     | M         | E   | 0                       | 0    | 0    |                                |        |      |      |             | 0       | 0           | 0    |     |      |
| HUM     | H         | M   | 20                      | 0    | 40   |                                |        |      |      |             | 0       | 0           | 20   |     |      |
| HUM     | A         | E   | 20                      | 0    | 40   |                                |        |      |      |             | 0       | 0           | 0    |     |      |
| HUM     | M         | R   | 20                      | 0    | 40   |                                |        |      |      |             | 0       | 0           | 0    |     |      |
| HUM     | M         | E   | 60                      | 40   | 80   |                                |        |      |      |             | 0       | 0           | 0    |     |      |
| HUM     | A         | E   | 100                     | 80   | 120  |                                |        |      |      |             | 0       | 0           | 0    |     |      |
| HUM     | M         | E   | 140                     | 0    | 280  |                                |        |      |      |             | 0       | 0           | 0    |     |      |
| HUN     | H         | M   | 116                     | 0    | 240  |                                |        |      |      |             | 0       | 0           | 0    |     |      |
| MOL     | W         | MXD | 0                       | 0    | 0    |                                |        |      |      |             |         |             | 20   |     |      |
| MOL     | MXD       | E&L | 0                       | 0    | 0    |                                |        |      |      |             |         |             | 44   |     |      |
| MOL     | W         | MXD | 120                     | 40   | 200  | 18                             | 41     | 41   |      |             |         |             | 80   |     |      |
| MOL     | A         | E   | 200                     | 120  | 280  |                                |        |      |      |             |         |             | 140  |     |      |
| MOL     | W         | MXD | 220                     | 0    | 520  | 39                             | 27     | 23   | 11   |             |         |             | 72   |     |      |
| MOL     | A         | ?   | 240                     | 200  | 280  |                                |        |      |      |             |         |             |      |     |      |
| MOL     | A         | E   | 292                     | 0    | 1200 | 6                              | 40     | 9    | 45   |             | NEG     |             |      |     |      |
| MOL     | W         | MXD | 300                     | 200  | 400  |                                |        |      |      |             |         |             | 20   |     |      |
| MOL     | A         | E   | 340                     | 0    | 1080 |                                |        |      |      |             |         |             | 0    |     |      |
| MOL     | MXD       | E   | 480                     | 720  | 240  | 97                             | 2      | 1    |      |             |         |             | 20   |     |      |
| MOL     | H         | MXD | 480                     | 440  | 520  |                                |        |      |      |             |         |             | 160  |     |      |
| MOL     | A         | E   | 552                     | 200  | 1040 |                                |        |      |      |             |         |             | 0    |     |      |
| MOL     | A         | E   | 720                     | 80   | 2440 |                                |        |      |      |             | NEG     |             |      |     |      |
| MOL     | W         | MXD | 748                     | 240  | 1760 | 58                             | 26     | 7    | 9    |             |         |             | 68   |     |      |
| MOL     | A         | E   | 960                     | 880  | 1040 | 2                              | 52     | 16   | 30   |             |         |             |      |     |      |
| MOL     | A         | E   | 1124                    | 0    | 3400 | 55                             | 33     | 3    | 9    |             | NEG     |             |      |     |      |
| MOL     | ?         | W   | 1148                    | 400  | 1920 | 58                             | 6      | 2    | 32   | 2           |         |             | 16   |     |      |
| MOL     | A         | E   | 1152                    | 120  | 2400 | 67                             | 13     | 17   | 3    |             |         |             | 24   |     |      |
| MOL     | H         | E   | 1160                    | 240  | 2400 |                                |        |      |      |             |         |             | 36   |     |      |
| MOL     | A         | E   | 1276                    | 200  | 2680 |                                |        |      |      |             |         |             | 0    |     |      |
| MOL     | W         | MXD | 1320                    | 680  | 1960 |                                | 69     | 31   |      |             |         |             | 80   |     |      |
| MOL     | H         | W   | 1404                    | 400  | 3560 |                                |        |      |      |             |         |             | 56   |     |      |
| MOL     | A         | E   | 1940                    | 1880 | 2000 | 96                             | 3      | 1    |      |             |         |             | 20   |     |      |
| MOL     | W         | MXD | 2200                    | 1400 | 3000 |                                |        |      |      |             |         |             | 160  |     |      |
| MOL     | W         | MXD | 3168                    | 1000 | 5440 | 1                              | 80     | 19   |      |             |         |             | 44   |     |      |
| MOL     | W         | MXD | 3560                    | 3000 | 4120 | 98                             | 2      |      |      |             |         |             | 100  |     |      |
| MUD     | A         | E   | 0                       | 0    | 0    |                                |        |      |      |             |         |             |      |     |      |
| MUD     | W         | MXD | 44                      | 0    | 120  |                                |        |      |      |             |         |             |      |     |      |
| MUD     | A         | E   | 140                     | 40   | 240  |                                |        |      |      |             |         |             | 20   |     |      |
| MUD     | A         | E   | 160                     | 40   | 280  |                                |        |      |      |             |         |             |      |     |      |
| MUD     | MXD       | MXD | 176                     | 0    | 480  | 13                             | 40     | 23   | 23   | 1           |         |             |      |     |      |
| MUD     | W         | MXD | 220                     | 200  | 240  |                                | 94     | 1    |      | 5           |         |             | 120  |     |      |
| MUD     | A         | E   | 272                     | 0    | 680  |                                | 29     | 38   | 35   |             |         |             | 40   |     |      |
| MUD     | W         | MXD | 404                     | 40   | 880  |                                |        |      |      |             |         |             | 132  |     |      |
| MUD     | ?         | MXD | 420                     | 400  | 440  | 46                             | 37     | 14   | 3    |             |         |             |      |     |      |
| MUD     | H         | R   | 532                     | 200  | 1000 | 1                              | 88     | 7    | 4    |             |         |             | 16   |     |      |
| MUD     | A         | E   | 560                     | 520  | 600  | 58                             | 29     | 10   | 3    |             |         |             | 40   |     |      |
| MUD     | W         | MXD | 564                     | 160  | 1120 | 4                              | 85     | 11   |      |             |         |             | 8    |     |      |
| MUD     | A         | E   | 600                     | 440  | 760  | 72                             | 21     | 5    | 1    | 1           |         |             |      |     |      |
| MUD     | H         | E   | 624                     | 80   | 2320 | 16                             | 73     | 11   |      |             |         |             | 12   |     |      |
| MUD     | A         | E   | 680                     | 480  | 880  | 9                              | 84     | 7    |      |             |         |             |      |     |      |
| MUD     | W         | MXD | 700                     | 120  | 2440 | 17                             | 71     | 10   | 1    | 1           |         |             | 156  |     |      |
| MUD     | ?         | W   | 800                     | 640  | 960  | 59                             | 25     | 14   | 2    |             |         |             |      |     |      |
| MUD     | A         | E   | 800                     | 0    | 2160 | 100                            |        |      |      |             |         |             |      |     |      |
| MUD     | R         | W   | 880                     | 720  | 1040 |                                |        |      |      |             |         |             | 200  |     |      |
| MUD     | W         | MXD | 920                     | 440  | 1400 | 46                             | 22     | 30   | 2    |             |         |             | 28   |     |      |
| MUD     | A         | E   | 1133                    | 40   | 5440 |                                |        |      |      |             |         |             | 13   |     |      |
| MUD     | A         | E   | 1284                    | 120  | 3720 |                                | 82     | 17   | 1    |             |         |             | 8    |     |      |
| MUD     | W         | MXD | 1544                    | 120  | 3680 | 15                             | 32     | 36   | 17   |             |         |             | 148  |     |      |
| MUD     | A         | E   | 1604                    | 120  | 4121 | 97                             | 2      |      | 1    |             |         |             |      |     |      |
| MUD     | A         | MXD | 1696                    | 800  | 3920 | 2                              | 69     | 6    | 23   |             |         |             | 12   |     |      |
| MUD     | L         | MXD | 1796                    | 720  | 3880 | 9                              | 62     | 29   |      |             |         |             | 60   |     |      |
| MUD     | W         | MXD | 1812                    | 920  | 2440 | 1                              | 90     | 80   | 1    |             |         |             | 108  |     |      |
| MUD     | W         | MXD | 2520                    | 1440 | 3600 | 69                             | 22     | 7    | 2    |             |         |             | 60   |     |      |
| MUD     | H         | MXD | 2620                    | 1920 | 3320 | 34                             | 17     | 5    | 44   |             |         |             | 24   |     |      |
| MUD     | W         | MXD | 2700                    | 120  | 7560 | 15                             | 67     | 17   | 1    |             |         |             | 284  |     |      |
| MUD     | H         | R   | 3012                    | 1160 | 5000 | 90                             | 5      | 5    |      |             |         |             | 76   |     |      |
| MUD     | A         | MXD | 3076                    | 40   | 6920 | 95                             |        |      | 5    |             |         |             | 24   |     |      |
| MUD     | W         | MXD | 5160                    | 3840 | 6480 | 9                              | 44     | 11   | 36   |             |         |             | 120  |     |      |
| QLD     | W         | E   | 892                     | 160  | 2520 | 62                             | 35     | 3    |      |             |         |             |      |     |      |
| RIV     | A         | E   | 140                     | 120  | 160  |                                |        |      |      |             |         |             | 0    |     |      |
| WALGETT | A         | MXD | 24                      | 0    | 80   |                                |        |      |      |             |         |             | 32   |     |      |
| WAR     | A         | E   | 940                     | 600  | 1280 | 80                             | 7      | 8    | 5    |             |         |             | 20   |     |      |
| WAR     | A         | E   | 1940                    | 1920 | 1960 | 84                             | 4      | 8    | 4    |             |         |             | 20   |     |      |
| YOU     | A         | E   | 0                       | 0    | 0    |                                |        |      |      |             |         |             | 0    |     |      |
| YOU     | A         | E   | 0                       | 0    | 0    |                                |        |      |      |             |         |             | 0    |     |      |
| YOU     | W         | MXD | 20                      | 0    | 40   |                                |        |      |      |             |         |             |      |     |      |
| YOU     | H         | E   | 20                      | 0    | 40   |                                |        |      |      |             |         |             |      |     |      |
| YOU     | W         | E   | 20                      | 0    | 40   |                                |        |      |      |             |         |             |      |     |      |
| YOU     | W         | M   | 60                      | 0    | 120  |                                |        |      |      |             |         |             | 80   |     |      |
| YOU     | L         | M   | 84                      | 0    | 280  |                                |        |      |      |             |         |             | 52   |     |      |
| YOU     | M         | E   | 100                     | 0    | 440  |                                |        |      |      |             |         |             | 0    |     |      |
| YOU     | W         | MXD | 100                     | 80   | 120  |                                |        |      |      |             |         |             | 80   |     |      |
| YOU     | A         | E   | 120                     | 40   | 200  |                                |        |      |      |             |         |             | 0    |     |      |
| YOU     | W         | W   | 120                     | 40   | 200  |                                |        |      |      |             |         |             |      |     |      |
| YOU     | A         | E   | 140                     | 40   | 240  |                                |        |      |      |             |         |             |      |     |      |
| YOU     | A         | E   | 160                     | 0    | 480  |                                | 81     | 14   | 5    |             |         |             | 0    |     |      |
| YOU     | W         | M   | 164                     | 0    | 400  |                                | 5      | 95   |      |             |         |             | 180  |     |      |
| YOU     | W         | MXD | 220                     | 120  | 320  |                                | 28     | 72   |      |             |         |             | 300  |     |      |
| YOU     | A         | E   | 240                     | 160  | 320  |                                |        |      |      |             |         |             | 0    |     |      |
| YOU     | A         | E   | 240                     | 200  | 280  |                                |        |      |      |             |         |             | 0    |     |      |
| YOU     | W         | ?   | 260                     | 200  | 320  |                                |        |      |      |             |         |             | 240  |     |      |
| YOU     | W         | MXD | 280                     | 240  | 320  |                                |        |      |      |             |         |             | 60   |     |      |
| YOU     | W         | MXD | 300                     | 280  | 320  |                                |        |      |      |             |         |             |      |     |      |
| YOU     | A         | E   | 300                     | 120  | 480  |                                |        |      |      |             |         |             |      |     |      |
| YOU     | A         | E   | 340                     | 120  | 560  |                                |        |      |      |             |         |             | 0    |     |      |
| YOU     | W         | E   | 380                     | 320  | 440  |                                |        |      |      |             |         |             | 40   |     |      |
| YOU     | A         | E   | 380                     | 40   | 1040 |                                | 27     | 61   | 12   |             |         |             |      |     |      |
| YOU     | W         | M   | 400                     | 240  | 560  |                                |        |      |      |             |         |             | 0    |     |      |
| YOU     | A         | E   | 500                     | 440  | 560  |                                |        |      |      |             |         |             | 0    |     |      |
| YOU     | H         | E   | 520                     | 480  | 560  |                                |        |      |      |             |         |             |      |     |      |
| YOU     | W         | W   | 600                     | 320  | 880  |                                |        |      |      |             |         |             | 120  |     |      |
| YOU     | W         | ?   | 660                     | 480  | 840  | 81                             | 13     | 6    |      |             |         |             |      |     |      |
| YOU     | A         | E   | 2369                    | 0    | 600  |                                | 84     | 14   | 2    |             |         |             |      |     |      |

| 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       | Wethers      | 0                       | 0   | 0     |                                |        |      |      |       |             |         | 4           | 0   | 40   |
| ARMIDALE           | n/a       | Wethers      | 4                       | 0   | 40    |                                |        |      |      |       |             | 0       | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Wethers      | 4                       | 0   | 40    |                                |        |      |      |       |             | 0       | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 8                       | 0   | 80    |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 12                      | 0   | 80    | 96                             | 3      | 1    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 20                      | 0   | 120   |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Weaners      | 28                      | 0   | 120   | 80                             | 20     | 0    | 0    | 0     |             |         | 4           | 0   | 40   |
| ARMIDALE           | n/a       | Lambs        | 36                      | 0   | 120   | 88                             | 5      | 7    | 0    | 0     | 0           |         | 60          | 0   | 320  |
| ARMIDALE           | n/a       | Wethers      | 44                      | 0   | 200   | 7                              | 42     | 51   | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Weaners      | 48                      | 0   | 240   | 0                              | 32     | 68   | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 48                      | 0   | 160   | 34                             | 36     | 30   | 0    | 0     | 0           |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Hoggets      | 48                      | 0   | 160   | 87                             | 10     | 3    | 0    | 0     |             |         | 144         | 0   | 440  |
| ARMIDALE           | n/a       | Hoggets      | 52                      | 0   | 240   | 11                             | 82     | 7    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Wethers      | 52                      | 0   | 160   | 16                             | 65     | 1    | 18   | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 68                      | 0   | 240   |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 76                      | 0   | 360   | 98                             | 2      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes & lambs | 80                      | 0   | 240   | 76                             | 19     | 2    | 3    | 0     |             |         | 8           | 0   | 40   |
| ARMIDALE           | n/a       | Hoggets      | 88                      | 0   | 280   | 3                              | 88     | 9    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes & lambs | 96                      | 0   | 400   | 97                             | 1      | 2    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 100                     | 0   | 440   | 5                              | 85     | 10   | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 104                     | 40  | 200   | 0                              | 57     | 7    | 36   | 0     |             |         | 16          | 0   | 80   |
| ARMIDALE           | n/a       | Ewes & lambs | 108                     | 0   | 600   | 100                            | 0      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes & lambs | 120                     | 0   | 240   | 4                              | 83     | 13   | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes & lambs | 136                     | 0   | 680   | 0                              | 83     | 17   | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Hoggets      | 136                     | 0   | 440   | 30                             | 70     | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes & lambs | 144                     | 0   | 1080  | 76                             | 17     | 7    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes & lambs | 144                     | 0   | 720   | 93                             | 5      | 2    | 0    | 0     |             |         | 20          | 0   | 120  |
| ARMIDALE           | n/a       | Ewes         | 152                     | 40  | 320   | 0                              | 69     | 16   | 15   | 0     |             |         | 4           | 0   | 40   |
| ARMIDALE           | n/a       | Weaners      | 152                     | 0   | 400   | 8                              | 49     | 19   | 24   | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 168                     | 0   | 1160  | 73                             | 20     | 2    | 2    | 3     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 184                     | 80  | 320   | 0                              | 76     | 14   | 10   | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 188                     | 0   | 760   | 29                             | 65     | 6    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Wethers      | 188                     | 0   | 1080  | 94                             | 2      | 4    | 0    | 0     | 0           |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 200                     | 0   | 360   | 0                              | 100    | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 216                     | 0   | 680   | 10                             | 85     | 5    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Wethers      | 236                     | 0   | 600   | 40                             | 40     | 10   | 10   | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 240                     | 0   | 640   |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes & lambs | 248                     | 0   | 600   | 45                             | 26     | 11   | 18   | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Hoggets      | 276                     | 40  | 880   | 71                             | 10     | 5    | 14   | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 280                     | 40  | 600   | 30                             | 22     | 38   | 9    | 1     |             |         | 28          | 0   | 200  |
| ARMIDALE           | n/a       | Ewes         | 280                     | 0   | 720   | 51                             | 44     | 2    | 3    | 0     | 0           |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Weaners      | 288                     | 40  | 440   | 73                             | 27     | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Weaners      | 348                     | 40  | 1880  | 9                              | 64     | 27   | 0    | 0     |             |         | 16          | 0   | 120  |
| ARMIDALE           | n/a       | Ewes         | 364                     | 40  | 1320  | 56                             | 18     | 4    | 22   | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes & lambs | 364                     | 40  | 1360  | 96                             | 4      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 384                     | 0   | 1640  | 88                             | 6      | 6    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Hoggets      | 400                     | 0   | 680   | 79                             | 19     | 2    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Wethers      | 412                     | 0   | 1440  | 20                             | 54     | 3    | 23   | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Hoggets      | 412                     | 80  | 960   | 21                             | 60     | 16   | 3    | 0     | 0           |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 444                     | 40  | 1560  | 26                             | 53     | 8    | 13   | 0     |             |         | 36          | 0   | 200  |
| ARMIDALE           | n/a       | Hoggets      | 460                     | 0   | 1200  | 96                             | 4      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Wethers      | 468                     | 280 | 680   | 29                             | 63     | 6    | 2    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Lambs        | 480                     | 0   | 2800  | 88                             | 0      | 12   | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes & lambs | 500                     | 80  | 1160  | 76                             | 14     | 10   | 0    | 0     |             |         | 4           | 0   | 40   |
| ARMIDALE           | n/a       | Ewes & lambs | 508                     | 0   | 1200  | 86                             | 12     | 2    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes & lambs | 516                     | 160 | 840   | 88                             | 9      | 3    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 552                     | 40  | 2000  | 0                              | 89     | 7    | 4    | 0     |             |         | 12          | 0   | 40   |
| ARMIDALE           | n/a       | Ewes & lambs | 588                     | 40  | 1960  | 17                             | 76     | 7    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 592                     | 0   | 1400  | 95                             | 2      | 3    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 684                     | 0   | 4240  | 100                            | 0      | 0    | 0    | 0     |             |         | 152         | 0   | 520  |
| ARMIDALE           | n/a       | Ewes         | 688                     | 160 | 1240  | 24                             | 74     | 2    | 0    | 0     |             |         | 28          | 0   | 80   |
| ARMIDALE           | n/a       | Ewes & lambs | 696                     | 0   | 1320  | 86                             | 4      | 7    | 3    | 0     |             |         | 8           | 0   | 80   |
| ARMIDALE           | n/a       | Wethers      | 776                     | 0   | 2360  | 31                             | 28     | 32   | 9    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Wethers      | 800                     | 0   | 2480  | 70                             | 27     | 3    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 1092                    | 0   | 2760  | 91                             | 8      | 1    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes & lambs | 1176                    | 0   | 2800  | 97                             | 3      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 1312                    | 0   | 3560  | 84                             | 16     | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Mixed sex    | 1504                    | 480 | 4960  | 53                             | 45     | 0    | 2    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Ewes         | 2252                    | 80  | 4560  | 97                             | 3      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| ARMIDALE           | n/a       | Hoggets      | 2300                    | 200 | 5840  | 85                             | 15     | 0    | 0    | 0     |             |         | 48          | 0   | 280  |
| ARMIDALE           | n/a       | Ewes         | 7088                    | 680 | 21600 | 66                             | 32     | 1    | 1    | 0     |             |         | 40          | 0   | 240  |
| CENTRAL TABLELANDS | n/a       | Ewes         | 72                      | 0   | 440   | 0                              | 86     | 13   | 1    | 0     | 0           |         | 0           | 0   | 0    |
| COOMA              | n/a       | Ewes         | 116                     | 0   | 560   | 0                              | 84     | 15   | 1    | 0     |             |         | 0           | 0   | 0    |
| COONABARABRAN      | n/a       | Ewes         | 8                       | 0   | 40    | 100                            | 0      | 0    | 0    | 0     |             |         | 8           | 0   | 40   |
| COONABARABRAN      | n/a       | Ewes         | 12                      | 0   | 40    |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| COONABARABRAN      | n/a       | Wethers      | 160                     | 0   | 360   | 0                              | 92     | 8    | 0    | 0     |             |         | 0           | 0   | 0    |
| COONABARABRAN      | n/a       | Wethers      | 168                     | 0   | 640   | 0                              | 96     | 4    | 0    | 0     |             |         | 0           | 0   | 0    |
| COONABARABRAN      | n/a       | Wethers      | 304                     | 80  | 680   | 4                              | 63     | 14   | 19   | 0     |             |         | 0           | 0   | 0    |
| COONABARABRAN      | n/a       | Ewes         | 352                     | 0   | 1720  | 11                             | 49     | 19   | 21   | 0     |             |         | 0           | 0   | 0    |
| COONABARABRAN      | n/a       | Wethers      | 388                     | 0   | 960   | 2                              | 82     | 2    | 14   | 0     |             |         | 0           | 0   | 0    |
| GOULBURN           | n/a       | Ewes         | 40                      | 0   | 280   | 14                             | 44     | 41   | 1    | 0     |             |         | 4           | 0   | 40   |
| GOULBURN           | n/a       | Ewes         | 92                      | 0   | 280   | 20                             | 57     | 22   | 1    | 0     |             |         | 4           | 0   | 40   |
| MOLONG             | n/a       | Weaners      | 140                     | 0   | 720   | 0                              | 71     | 25   | 4    | 0     |             |         | 48          | 0   | 120  |
| MOREE              | n/a       | Ewes         | 336                     | 0   | 920   | 100                            | 0      | 0    | 0    | 0     |             |         | 24          | 0   | 120  |
| MOREE              | n/a       | Ewes         | 348                     | 0   | 1520  | 94                             | 5      | 1    | 0    | 0     |             |         | 0           | 0   | 0    |
| MOSS VALE          | n/a       | Hoggets      | 1544                    | 200 | 4040  | 97                             | 3      | 0    | 0    | 0     | 0           |         | 116         | 0   | 280  |
| MOSS VALE          | n/a       | Hoggets      | 5492                    | 40  | 34800 | 86                             | 14     | 0    | 0    | 0     | 0           |         | 4           | 0   | 40   |
| MUDGE              | n/a       | Ewes & lambs | 20                      | 0   | 120   | 0                              | 76     | 24   | 0    | 0     |             |         | 4           | 0   | 40   |

| 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 |
| MUDGE                | n/a       | Ewes         | 44                      | 0   | 160  | 3                              | 89     | 8    | 0    | 0     |             |         | 0           | 0   | 0    |
| MUDGE                | n/a       | Lambs        | 68                      | 0   | 200  | 0                              | 69     | 24   | 7    | 0     |             |         | 0           | 0   | 0    |
|                      |           | Ewes & lambs | 944                     | 40  | 3720 | 93                             | 7      | 0    | 0    | 0     | 2           |         | 0           | 0   | 0    |
| NARRABRI             | n/a       | Lambs        | 4                       | 0   | 40   |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 20                      | 0   | 80   | 31                             | 41     | 28   | 0    | 0     |             |         | 20          | 0   | 80   |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 28                      | 0   | 120  | 2                              | 1      | 97   | 0    | 0     |             |         | 8           | 0   | 40   |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 28                      | 0   | 80   | 16                             | 54     | 30   | 0    | 0     |             |         | 8           | 0   | 40   |
| NORTHERN NEW ENGLAND | n/a       | Mixed        | 40                      | 0   | 200  | 8                              | 82     | 2    | 8    | 0     | 0           |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Lambs        | 44                      | 0   | 160  | 9                              | 74     | 17   | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 60                      | 0   | 240  | 88                             | 12     | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Mixed sex    | 96                      | 0   | 240  | 23                             | 75     | 2    | 0    | 0     | 0           |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 100                     | 0   | 520  | 0                              | 92     | 8    | 0    | 0     |             |         | 4           | 0   | 40   |
| NORTHERN NEW ENGLAND | n/a       | Lambs        | 132                     | 0   | 480  |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Lambs        | 152                     | 40  | 280  | 99                             | 0      | 0    | 0    | 1     |             |         | 64          | 0   | 160  |
| NORTHERN NEW ENGLAND | n/a       | Wethers      | 156                     | 0   | 560  | 100                            | 0      | 0    | 0    | 0     |             |         | 4           | 0   | 40   |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 168                     | 40  | 320  |                                |        |      |      |       |             |         | 8           | 0   | 80   |
| NORTHERN NEW ENGLAND | n/a       | Hoggets      | 212                     | 40  | 520  | 19                             | 69     | 6    | 6    | 0     |             |         | 4           | 0   | 40   |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 212                     | 0   | 520  | 83                             | 9      | 6    | 2    | 0     | 0           |         | 4           | 0   | 40   |
| NORTHERN NEW ENGLAND | n/a       | Wethers      | 228                     | 0   | 1080 | 83                             | 15     | 2    | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 296                     | 0   | 800  | 92                             | 8      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 324                     | 0   | 1120 | 90                             | 4      | 4    | 2    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Hoggets      | 348                     | 0   | 840  |                                |        |      |      |       |             |         | 4           | 0   | 40   |
| NORTHERN NEW ENGLAND | n/a       | Wethers      | 400                     | 0   | 760  | 12                             | 87     | 1    | 0    | 0     | 0           |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 424                     | 0   | 1360 | 61                             | 37     | 2    | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 440                     | 0   | 1240 | 85                             | 15     | 0    | 0    | 0     | 11          |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes & lambs | 500                     | 0   | 3120 |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 628                     | 0   | 1600 | 99                             | 1      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 660                     | 0   | 3560 | 71                             | 27     | 2    | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 764                     | 40  | 1640 |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 1020                    | 0   | 3440 | 88                             | 11     | 1    | 0    | 0     | 0           |         | 28          | 0   | 160  |
| NORTHERN NEW ENGLAND | n/a       | Hoggets      | 1076                    | 280 | 2480 |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Mixed        | 1200                    | 0   | 4720 | 89                             | 11     | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes & lambs | 1308                    | 520 | 2360 | 92                             | 8      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 1340                    | 0   | 3240 | 99                             | 0      | 1    | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 1384                    | 40  | 2600 | 92                             | 7      | 1    | 0    | 0     |             |         | 12          | 0   | 120  |
| NORTHERN NEW ENGLAND | n/a       | Ewes & lambs | 1632                    | 0   | 9720 | 100                            | 0      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Wethers      | 1632                    | 40  | 5920 |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Lambs        | 4276                    | 400 | 7000 | 94                             | 6      | 0    | 0    | 0     |             |         | 4           | 0   | 40   |
| NYNGAN               | n/a       | Weaners      | 0                       | 0   | 0    |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       | Ewes & lambs | 0                       | 0   | 0    |                                |        |      |      |       |             |         | 12          | 0   | 40   |
| TAMWORTH             | n/a       | Ewes & lambs | 62                      | 0   | 560  | 90                             | 6      | 4    | 0    | 0     |             |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       | Ewes         | 84                      | 0   | 360  |                                |        |      |      |       |             |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       | Wethers      | 124                     | 0   | 680  | 94                             | 2      | 1    | 1    | 2     | 0           |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       | Ewes         | 216                     | 0   | 1000 | 0                              | 100    | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       | Wethers      | 308                     | 0   | 1720 | 85                             | 13     | 0    | 2    | 0     | 0           |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       | Ewes & lambs | 644                     | 80  | 2640 | 48                             | 49     | 3    | 0    | 0     |             |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       | Wethers      | 656                     | 0   | 1440 | 81                             | 13     | 2    | 4    | 0     |             |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       | Wethers      | 1084                    | 240 | 3720 | 86                             | 14     | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       | Rams         | 1172                    | 80  | 2400 | 66                             | 28     | 6    | 0    | 0     |             |         | 72          | 0   | 440  |
| TAMWORTH             | n/a       | Wethers      | 2140                    | 120 | 4360 | 94                             | 6      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| TWEED-LISMORE        | n/a       | Ewes         | 28                      | 0   | 280  |                                |        |      |      |       | 0           |         | 20          | 0   | 120  |
| TWEED-LISMORE        | n/a       | Ewes         | 52                      | 0   | 120  | 0                              | 67     | 26   | 7    | 0     | 9           |         | 0           | 0   | 0    |
| TWEED-LISMORE        | n/a       | Ewes         | 256                     | 40  | 400  | 0                              | 62     | 13   | 25   | 0     | 0           |         | 0           | 0   | 0    |
| TWEED-LISMORE        | n/a       | Weaners      | 752                     | 0   | 1640 | 1                              | 45     | 50   | 0    | 4     | 0           |         | 0           | 0   | 0    |
| YOUNG                | n/a       | Ewes         | 696                     | 0   | 1440 | 3                              | 76     | 10   | 11   | 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 |     |
|          | n/a       | Ewes         | 4                       | 0   | 40   |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
|          |           | Ewes & lambs | 108                     | 0   | 240  | 100                            | 0      | 0    | 0    | 0     |             |         |             | 0   | 0    | 0   |
|          | n/a       | Ewes         | 908                     | 0   | 2800 | 84                             | 16     | 0    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 0                       | 0   | 0    | 64                             | 18     | 18   | 0    | 0     | 0           | 0       |             | 4   | 0    | 40  |
| ARMIDALE | n/a       | Mixed        | 0                       | 0   | 0    |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 0                       | 0   | 0    |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Mixed sex    | 0                       | 0   | 0    |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 4                       | 0   | 40   |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 4                       | 0   | 40   |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 24                      | 0   | 80   | 98                             | 2      | 0    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 28                      | 0   | 120  |                                |        |      |      |       | 2           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Rams         | 44                      | 0   | 120  | 80                             | 7      | 13   | 0    | 0     | 0           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 44                      | 0   | 160  | 82                             | 17     | 0    | 0    | 1     | 0           |         |             | 20  | 0    | 160 |
| ARMIDALE | n/a       | Ewes & lambs | 48                      | 0   | 160  | 0                              | 98     | 2    | 0    | 0     | 0           |         |             | 4   | 0    | 40  |
| ARMIDALE | n/a       | Ewes         | 60                      | 0   | 520  | 42                             | 56     | 2    | 0    | 0     | 0           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 64                      | 0   | 280  | 100                            | 0      | 0    | 0    | 0     | 0           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Wethers      | 72                      | 0   | 480  | 100                            | 0      | 0    | 0    | 0     | 1           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Wethers      | 72                      | 0   | 560  |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Mixed        | 76                      | 0   | 280  | 0                              | 79     | 21   | 0    | 0     | 9           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Weaners      | 88                      | 0   | 360  | 100                            | 0      | 0    | 0    | 0     | 0           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Hoggets      | 96                      | 0   | 280  | 4                              | 92     | 3    | 1    | 0     | 0           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 100                     | 0   | 280  | 0                              | 72     | 28   | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 124                     | 0   | 920  | 0                              | 66     | 34   | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Lambs        | 128                     | 0   | 360  | 55                             | 21     | 17   | 4    | 3     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Wethers      | 136                     | 0   | 1160 |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 144                     | 0   | 560  | 98                             | 2      | 0    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 148                     | 0   | 720  |                                |        |      |      |       |             |         |             | 40  | 0    | 80  |
| ARMIDALE | n/a       | Ewes         | 152                     | 0   | 560  |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Wethers      | 176                     | 0   | 640  | 100                            | 0      | 0    | 0    | 0     |             |         |             | 36  | 0    | 160 |
| ARMIDALE | n/a       | Ewes         | 180                     | 0   | 1360 | 100                            | 0      | 0    | 0    | 0     | 0           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Wethers      | 188                     | 0   | 320  | 0                              | 100    | 0    | 0    | 0     |             |         |             | 8   | 0    | 40  |
| ARMIDALE | n/a       | Ewes & lambs | 196                     | 0   | 1320 | 66                             | 19     | 15   | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 212                     | 0   | 760  | 4                              | 69     | 27   | 0    | 0     |             |         |             | 36  | 0    | 80  |
| ARMIDALE | n/a       | Ewes & lambs | 220                     | 0   | 600  | 8                              | 87     | 5    | 0    | 0     |             |         |             | 32  | 0    | 160 |
| ARMIDALE | n/a       | Ewes & lambs | 228                     | 40  | 840  | 96                             | 2      | 2    | 0    | 0     | 0           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Weaners      | 240                     | 40  | 760  |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Weaners      | 244                     | 0   | 1400 | 97                             | 0      | 3    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 256                     | 0   | 680  | 96                             | 4      | 0    | 0    | 0     | 0           |         |             | 4   | 0    | 40  |
| ARMIDALE | n/a       | Ewes         | 276                     | 0   | 640  | 82                             | 17     | 1    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 284                     | 0   | 1080 | 0                              | 83     | 7    | 10   | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 296                     | 0   | 1080 | 5                              | 77     | 18   | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Wethers      | 296                     | 0   | 1200 | 98                             | 2      | 0    | 0    | 0     | 2           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Lambs        | 300                     | 0   | 800  | 29                             | 65     | 6    | 0    | 0     |             |         |             | 28  | 0    | 200 |
| ARMIDALE | n/a       | Ewes         | 312                     | 0   | 1080 | 42                             | 49     | 9    | 0    | 0     |             |         |             | 8   | 0    | 40  |
| ARMIDALE | n/a       | Ewes         | 316                     | 0   | 920  | 22                             | 73     | 5    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Lambs        | 324                     | 0   | 920  | 100                            | 0      | 0    | 0    | 0     |             |         |             | 4   | 0    | 40  |
| ARMIDALE | n/a       | Ewes         | 376                     | 0   | 2320 | 96                             | 3      | 0    | 1    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Weaners      | 400                     | 80  | 680  | 88                             | 8      | 0    | 4    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 404                     | 0   | 1680 | 42                             | 39     | 6    | 13   | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Hoggets      | 408                     | 0   | 1960 | 91                             | 6      | 2    | 1    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 408                     | 40  | 1000 |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Weaners      | 412                     | 40  | 1600 | 94                             | 1      | 0    | 0    | 5     | 0           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       |              | 427                     | 280 | 680  | 4                              | 82     | 2    | 12   | 0     | 0           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 428                     | 0   | 920  | 98                             | 2      | 0    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Wethers      | 436                     | 280 | 960  | 12                             | 62     | 19   | 7    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 444                     | 40  | 1200 | 76                             | 19     | 5    | 0    | 0     |             |         |             | 142 | 0    | 640 |
| ARMIDALE | n/a       | Weaners      | 464                     | 120 | 880  |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 468                     | 0   | 1800 |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       |              | 496                     | 0   | 3240 | 13                             | 81     | 3    | 3    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Lambs        | 508                     | 120 | 1680 |                                |        |      |      |       |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Wethers      | 512                     | 0   | 1760 | 94                             | 6      | 0    | 0    | 0     |             |         |             | 12  | 0    | 80  |
| ARMIDALE | n/a       | Ewes & lambs | 516                     | 0   | 1520 | 86                             | 11     | 3    | 0    | 0     | 8           |         |             | 8   | 0    | 40  |
| ARMIDALE | n/a       | Wethers      | 516                     | 0   | 1800 | 98                             | 0      | 2    | 0    | 0     | 1           |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 532                     | 0   | 1440 | 32                             | 56     | 2    | 10   | 0     |             |         |             | 4   | 0    | 40  |
| ARMIDALE | n/a       | Ewes         | 540                     | 0   | 1160 | 71                             | 17     | 12   | 0    | 0     |             |         |             | 16  | 0    | 120 |
| ARMIDALE | n/a       | Ewes         | 544                     | 0   | 3240 | 4                              | 90     | 6    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Hoggets      | 556                     | 0   | 2000 | 6                              | 88     | 6    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 556                     | 40  | 1760 | 39                             | 38     | 21   | 2    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 584                     | 0   | 1600 | 81                             | 12     | 7    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 616                     | 0   | 2480 | 95                             | 3      | 1    | 1    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Wethers      | 632                     | 200 | 1000 | 91                             | 7      | 2    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Mixed sex    | 664                     | 160 | 1160 | 32                             | 47     | 16   | 5    | 0     |             |         |             | 16  | 0    | 40  |
| ARMIDALE | n/a       | Lambs        | 676                     | 80  | 1400 | 26                             | 73     | 1    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Rams         | 688                     | 0   | 4120 | 90                             | 9      | 1    | 0    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes         | 688                     | 0   | 2600 | 100                            | 0      | 0    | 0    | 0     |             |         |             | 4   | 0    | 40  |
| ARMIDALE | n/a       | Ewes & lambs | 700                     | 0   | 3960 | 86                             | 5      | 9    | 0    | 0     | 0           |         |             | 20  | 0    | 80  |
| ARMIDALE | n/a       | Ewes         | 704                     | 120 | 1280 | 19                             | 51     | 26   | 4    | 0     |             |         |             | 0   | 0    | 0   |
| ARMIDALE | n/a       | Ewes & lambs | 716                     | 0   | 1680 | 66                             | 23     | 3    | 8    | 0     |             |         |             | 16  | 0    | 120 |
| ARMIDALE | n/a       | Ewes & lambs | 748                     | 0   | 1800 | 42                             | 35     | 12   | 8    | 3     |             |         |             | 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       | Wethers      | 820                     | 0    | 4040  | 82                             | 18     | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Wethers      | 836                     | 0    | 3920  | 98                             | 2      | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Hoggets      | 928                     | 0    | 2200  | 59                             | 35     | 4    | 2    | 0           |         |             | 0    | 0   | 0    |
|                      |           | Ewes & lambs | 932                     | 80   | 2000  | 49                             | 44     | 4    | 3    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Ewes         | 932                     | 0    | 3880  | 56                             | 44     | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
|                      |           | Ewes & lambs | 956                     | 0    | 3480  | 90                             | 10     | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Wethers      | 988                     | 40   | 2200  | 77                             | 23     | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
|                      |           | Ewes & lambs | 1072                    | 80   | 2360  | 86                             | 10     | 4    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Ewes         | 1092                    | 0    | 3800  |                                |        |      |      |             |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Weaners      | 1116                    | 240  | 2080  | 59                             | 19     | 13   | 0    | 9           |         |             | 0    | 0   | 0    |
|                      |           | Ewes & lambs | 1204                    | 280  | 2160  | 42                             | 54     | 2    | 0    | 2           |         |             | 116  | 0   | 320  |
| ARMIDALE             | n/a       | Wethers      | 1268                    | 480  | 2520  | 6                              | 88     | 6    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Ewes         | 1336                    | 0    | 5600  | 91                             | 9      | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Wethers      | 1376                    | 0    | 6120  | 89                             | 11     | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Lambs        | 1420                    | 0    | 9880  | 99                             | 0      | 1    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       |              | 1431                    | 0    | 2520  | 4                              | 70     | 9    | 15   | 2           |         |             | 0    | 0   | 0    |
|                      |           | Ewes & lambs | 1464                    | 0    | 9640  | 100                            | 0      | 0    | 0    | 0           | 0       |             | 20   | 0   | 120  |
| ARMIDALE             | n/a       | Hoggets      | 1924                    | 280  | 3320  | 0                              | 93     | 6    | 1    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Ewes         | 2008                    | 0    | 10840 | 100                            | 0      | 0    | 0    | 0           |         |             | 24   | 0   | 120  |
| ARMIDALE             | n/a       | Weaners      | 2036                    | 80   | 5080  |                                |        |      |      |             |         |             | 16   | 0   | 160  |
|                      |           | Ewes & lambs | 2120                    | 40   | 8080  | 72                             | 26     | 2    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Ewes         | 2260                    | 40   | 6280  | 26                             | 73     | 1    | 0    | 0           | 0       |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Rams         | 2888                    | 160  | 7240  | 68                             | 30     | 2    | 0    | 0           |         |             | 128  | 0   | 400  |
|                      |           | Ewes & lambs | 3092                    | 40   | 9320  | 92                             | 6      | 2    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       |              | 3196                    | 0    | 7880  | 100                            | 0      | 0    | 0    | 0           | 0       |             | 20   | 0   | 40   |
| ARMIDALE             | n/a       | Weaners      | 3260                    | 2000 | 5640  | 51                             | 45     | 4    | 0    | 0           |         |             | 4    | 0   | 40   |
| ARMIDALE             | n/a       | Weaners      | 3696                    | 440  | 6280  | 70                             | 30     | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Weaners      | 3708                    | 160  | 14960 |                                |        |      |      |             |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Lambs        | 9440                    | 9440 | 9440  | 84                             | 16     | 0    | 0    | 0           | 0       |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Ewes         | 12636                   | 120  | 34160 | 90                             | 0      | 10   | 0    | 0           | 0       |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Weaners      |                         |      |       | 0                              | 85     | 15   | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       |              |                         |      |       | 0                              | 96     | 4    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Lambs        |                         |      |       | 100                            | 0      | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Rams         |                         |      |       |                                |        |      |      |             | 0       |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Rams         |                         |      |       |                                |        |      |      |             | 0       |             | 0    | 0   | 0    |
| ARMIDALE             | n/a       | Rams         |                         |      |       |                                |        |      |      |             | 0       |             | 0    | 0   | 0    |
| CENTRAL TABLELANDS   | n/a       | Ewes         | 532                     | 40   | 1240  | 0                              | 77     | 5    | 18   | 0           | 0       |             | 0    | 0   | 0    |
| CENTRAL TABLELANDS   | n/a       | Ewes         | 596                     | 160  | 1960  | 3                              | 64     | 26   | 7    | 0           | 0       |             | 0    | 0   | 0    |
| CENTRAL TABLELANDS   | n/a       | Ewes         | 928                     | 40   | 3240  | 6                              | 56     | 0    | 38   | 0           | 0       |             | 0    | 0   | 0    |
| CENTRAL TABLELANDS   | n/a       | Ewes         | 1072                    | 160  | 2520  | 4                              | 77     | 15   | 4    | 0           | 0       |             | 0    | 0   | 0    |
| COOMA                | n/a       | Weaners      | 64                      | 0    | 120   | 22                             | 23     | 34   | 17   | 4           | 0       |             | 4    | 0   | 40   |
| COOMA                | n/a       | Ewes         | 228                     | 0    | 920   | 93                             | 3      | 4    | 0    | 0           | 0       |             | 0    | 0   | 0    |
| COOMA                | n/a       | Ewes         | 264                     | 0    | 640   | 53                             | 12     | 15   | 20   | 0           | 0       |             | 0    | 0   | 0    |
| COOMA                | n/a       | Ewes         | 320                     | 0    | 1240  | 34                             | 24     | 18   | 24   | 0           | 34      |             | 0    | 0   | 0    |
| COOMA                | n/a       | Wethers      | 700                     | 120  | 2680  | 100                            | 0      | 0    | 0    | 0           | 0       |             | 0    | 0   | 0    |
| COOMA                | n/a       | Lambs        | 1308                    | 80   | 3240  | 100                            | 0      | 0    | 0    | 0           |         |             | 8    | 0   | 40   |
| COONABARABRAN        | n/a       | Ewes         | 104                     | 0    | 280   | 13                             | 83     | 4    | 0    | 0           |         |             | 32   | 0   | 120  |
| COONABARABRAN        | n/a       | Ewes         | 320                     | 0    | 1000  | 10                             | 88     | 1    | 1    | 0           |         |             | 12   | 0   | 120  |
| COONABARABRAN        | n/a       | Hoggets      | 2584                    | 880  | 5600  | 93                             | 6      | 0    | 1    | 0           |         |             | 8    | 0   | 80   |
| COONABARABRAN        | n/a       | Lambs        | 3244                    | 440  | 6160  | 24                             | 69     | 7    | 0    | 0           |         |             | 16   | 0   | 80   |
| COONABARABRAN        | n/a       | Lambs        | 5172                    | 2480 | 14080 | 64                             | 36     | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| GOULBURN             | n/a       | Lambs        | 88                      | 0    | 320   | 0                              | 23     | 35   | 0    | 42          | 0       |             | 312  | 80  | 680  |
| HUME                 | n/a       | Weaners      | 56                      | 0    | 400   | 0                              | 83     | 17   | 0    | 0           |         |             | 0    | 0   | 0    |
| HUNTER               | n/a       | Hoggets      | 272                     | 0    | 1360  | 38                             | 31     | 11   | 20   | 0           |         |             | 0    | 0   | 0    |
| HUNTER               | n/a       | Weaners      | 3012                    | 200  | 17400 | 87                             | 11     | 0    | 2    | 0           |         |             | 0    | 0   | 0    |
| MOLONG               | n/a       | Ewes         | 180                     | 0    | 600   | 0                              | 83     | 4    | 13   | 0           |         |             | 0    | 0   | 0    |
| MOSS VALE            | n/a       | Hoggets      | 2236                    | 120  | 4400  |                                |        |      |      |             | 0       |             | 0    | 0   | 0    |
| MUDGE                | n/a       | Weaners      | 528                     | 40   | 1960  | 0                              | 82     | 18   | 0    | 0           |         |             | 0    | 0   | 0    |
|                      |           | Ewes & lambs | 382                     | 0    | 3000  | 99                             | 1      | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| NARRABRI             | n/a       | Ewes         | 640                     | 0    | 2480  | 20                             | 78     | 2    | 0    | 0           | 0       |             | 196  | 0   | 400  |
| NARRABRI             | n/a       | Wethers      | 720                     | 0    | 3160  | 96                             | 4      | 0    | 0    | 0           |         |             | 12   | 0   | 80   |
| NARRABRI             | n/a       | Ewes         | 892                     | 0    | 5560  | 93                             | 7      | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| NARRABRI             | n/a       | Ewes         | 984                     | 200  | 2920  | 99                             | 0      | 1    | 0    | 0           | 0       |             | 0    | 0   | 0    |
| NARRABRI             | n/a       | Wethers      | 1144                    | 0    | 8000  | 97                             | 3      | 0    | 0    | 0           |         |             | 8    | 0   | 40   |
| NARRABRI             | n/a       | Wethers      | 1312                    | 0    | 4320  | 100                            | 0      | 0    | 0    | 0           |         |             | 20   | 0   | 120  |
| NARRABRI             | n/a       | Hoggets      | 1740                    | 40   | 5160  | 94                             | 6      | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| NARRABRI             | n/a       | Wethers      | 2272                    | 0    | 7320  | 97                             | 3      | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Lambs        | 0                       | 0    | 0     | 0                              | 100    | 0    | 0    | 0           |         |             | 40   | 0   | 200  |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 8                       | 0    | 80    |                                |        |      |      |             | 0       |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       |              | 16                      | 0    | 40    |                                |        |      |      |             |         |             | 20   | 0   | 80   |
| NORTHERN NEW ENGLAND | n/a       | Wethers      | 28                      | 0    | 160   | 96                             | 3      | 1    | 0    | 0           |         |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Wethers      | 40                      | 0    | 320   | 100                            | 0      | 0    | 0    | 0           | 0       |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Wethers      | 76                      | 0    | 400   | 40                             | 60     | 0    | 0    | 0           | 0       |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 104                     | 0    | 640   | 95                             | 4      | 1    | 0    | 0           |         |             | 36   | 0   | 240  |
| NORTHERN NEW ENGLAND | n/a       |              | 156                     | 0    | 680   | 100                            | 0      | 0    | 0    | 0           |         |             | 16   | 0   | 80   |
| NORTHERN NEW ENGLAND | n/a       | Lambs        | 188                     | 0    | 440   |                                |        |      |      |             |         |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Mixed        | 248                     | 0    | 1040  | 80                             | 12     | 0    | 8    | 0           |         |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 272                     | 0    | 1880  | 100                            | 0      | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Wethers      | 308                     | 0    | 1120  | 90                             | 4      | 3    | 3    | 0           |         |             | 0    | 0   | 0    |
|                      |           | Ewes & lambs | 520                     | 0    | 1040  | 0                              | 100    | 0    | 0    | 0           | 2       |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Lambs        | 700                     | 0    | 3640  |                                |        |      |      |             | 0       |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 800                     | 160  | 1360  | 70                             | 27     | 3    | 0    | 0           | 0       |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Wethers      | 832                     | 80   | 2160  | 100                            | 0      | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 872                     | 40   | 4160  | 79                             | 19     | 2    | 0    | 0           |         |             | 0    | 0   | 0    |
|                      |           | Ewes & lambs | 936                     | 0    | 3880  | 92                             | 3      | 0    | 5    | 0           |         |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 1308                    | 40   | 2800  | 69                             | 30     | 0    | 0    | 1           |         |             | 0    | 0   | 0    |
|                      |           | Ewes & lambs | 1384                    | 80   | 4640  | 85                             | 15     | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Ewes         | 1632                    | 80   | 3920  | 95                             | 5      | 0    | 0    | 0           |         |             | 0    | 0   | 0    |
|                      |           | Ewes & lambs | 1868                    | 40   | 4080  | 100                            | 0      | 0    | 0    | 0           |         |             | 16   | 0   | 80   |
| NORTHERN NEW ENGLAND | n/a       | Lambs        | 2684                    | 40   | 13880 | 93                             | 6      | 1    | 0    | 0           |         |             | 4    | 0   | 40   |

| 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 |
| NORTHERN NEW ENGLAND | n/a       | Ewes & lambs | 3596                    | 0   | 13120 | 97                             | 3      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Lambs        | 3788                    | 520 | 13480 | 95                             | 5      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| NORTHERN NEW ENGLAND | n/a       | Rams         |                         |     |       | 15                             | 48     | 3    | 34   | 0     |             |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       |              | 0                       | 0   | 0     |                                |        |      |      |       |             |         | 4           | 0   | 40   |
| TAMWORTH             | n/a       | Lambs        | 116                     | 0   | 280   | 100                            | 0      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       | Weaners      | 228                     | 0   | 1000  | 96                             | 2      | 2    | 0    | 0     |             |         | 48          | 0   | 160  |
| TAMWORTH             | n/a       | Ewes         | 544                     | 0   | 3520  | 97                             | 3      | 0    | 0    | 0     |             |         | 8           | 0   | 40   |
| TAMWORTH             | n/a       | Hoggets      | 1616                    | 40  | 3600  | 95                             | 4      | 1    | 0    | 0     |             |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       | Ewes         | 2124                    | 0   | 5160  | 10                             | 84     | 0    | 6    | 0     |             |         | 0           | 0   | 0    |
| TAMWORTH             | n/a       | Ewes         | 2552                    | 80  | 9120  | 88                             | 11     | 1    | 0    | 0     |             |         | 4           | 0   | 40   |
| TAMWORTH             | n/a       | Ewes         | 3360                    | 0   | 10960 | 100                            | 0      | 0    | 0    | 0     |             |         | 0           | 0   | 0    |
| WALGETT              | n/a       | Ewes         | 120                     | 0   | 360   | 4                              | 83     | 13   | 0    | 0     |             |         | 32          | 0   | 160  |
| YASS                 | n/a       | Ewes         | 4                       | 0   | 40    |                                |        |      |      |       |             | 0       |             |     |      |
| YASS                 | n/a       | Ewes         | 100                     | 0   | 760   |                                |        |      |      |       | 107         |         | 0           | 0   | 0    |
| YASS                 | n/a       | Weaners      | 128                     | 0   | 240   |                                |        |      |      |       | 0           |         | 0           | 0   | 0    |
| YASS                 | n/a       | Ewes & lambs | 200                     | 0   | 480   | 35                             | 30     | 16   | 19   | 0     | 0           |         | 0           | 0   | 0    |