# Deer residue testing annual datasets 2018–19

National Residue Survey, Department of Agriculture

## Dataset abbreviations

**LOR** Limit of reporting.

**MRL** Maximum Residue Limit.

**no limit** No Australian standard applicable for the contaminant. The ‘as low as reasonably achievable’ principle applies. Detections at low levels are allowable.

**not defined** Standards are not defined in inedible matrixes (urine, retina and faeces).

**not set** No Australian standard has been set for the chemical in the edible matrix and any detection is a contravention of the Australia New Zealand Food Standards Code.

## Disclaimer

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Table 1 Anthelmintics

| Chemical | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to ≤ ½ MRL | > ½ MRL to ≤ MRL | > MRL |
| --- | --- | --- | --- | --- | --- | --- | --- |
| abamectin | fat | 0.005 | not set | 5 | 0 | 0 | 0 |
| derquantel | fat | 0.001 | not set | 5 | 0 | 0 | 0 |
| doramectin | fat | 0.005 | not set | 5 | 0 | 0 | 0 |
| emamectin | fat | 0.002 | 0.01 | 5 | 0 | 0 | 0 |
| eprinomectin B1a | fat | 0.005 | 0.1 | 5 | 0 | 0 | 0 |
| ivermectin H2B1a | fat | 0.005 | 0.01 | 5 | 0 | 0 | 0 |
| milbemectin | fat | 0.01 | 0.002 | 5 | 0 | 0 | 0 |
| monepantel sulphone | fat | 0.005 | not set | 5 | 0 | 0 | 0 |
| moxidectin | fat | 0.005 | 1 | 5 | 0 | 0 | 0 |
| praziquantel | fat | 0.005 | not set | 5 | 0 | 0 | 0 |

Table 2 Antibiotics

| Chemical | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to ≤ ½ MRL | > ½ MRL to ≤ MRL | > MRL |
| --- | --- | --- | --- | --- | --- | --- | --- |
| amoxicillin | kidney | 0.01 | 0.01 | 2 | 0 | 0 | 0 |
| ampicillin | kidney | 0.01 | not set | 2 | 0 | 0 | 0 |
| apramycin | kidney | 0.25 | 2 | 2 | 0 | 0 | 0 |
| avilamycin | kidney | 0.1 | not set | 2 | 0 | 0 | 0 |
| benzyl G penicillin | kidney | 0.01 | 0.06 | 2 | 0 | 0 | 0 |
| ceftiofur (desfuroylceftiofur) | kidney | 0.2 | not set | 2 | 0 | 0 | 0 |
| cefuroxime | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| cephalonium | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| chloramphenicol | muscle | 0.0003 | not set | 2 | 0 | 0 | 0 |
| chlortetracycline | kidney | 0.01 | not set | 2 | 0 | 0 | 0 |
| cloxacillin | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| dihydrostreptomycin | kidney | 0.1 | 0.3 | 2 | 0 | 0 | 0 |
| dimetridazole | muscle | 0.0001 | not set | 1 | 0 | 0 | 0 |
| doxycycline | kidney | 0.01 | not set | 2 | 0 | 0 | 0 |
| erythromycin | kidney | 0.1 | 0.3 | 2 | 0 | 0 | 0 |
| florfenicol | muscle | 0.001 | not set | 2 | 0 | 0 | 0 |
| gentamycin | kidney | 0.1 | not set | 2 | 0 | 0 | 0 |
| lincomycin | kidney | 0.1 | 0.2 | 2 | 0 | 0 | 0 |
| metronidazole | muscle | 0.0001 | not set | 1 | 0 | 0 | 0 |
| neomycin | kidney | 0.1 | not set | 2 | 0 | 0 | 0 |
| oleandomycin | kidney | 0.2 | 0.1 | 2 | 0 | 0 | 0 |
| oxytetracycline | kidney | 0.01 | not set | 2 | 0 | 0 | 0 |
| ronidazole | muscle | 0.0001 | not set | 1 | 0 | 0 | 0 |
| streptomycin | kidney | 0.1 | 0.3 | 2 | 0 | 0 | 0 |
| sulfachloropyridazine | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| sulfadiazine | kidney | 0.05 | 0.1 | 2 | 0 | 0 | 0 |
| sulfadimethoxine | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| sulfadimidine (sulfamethazine) | kidney | 0.05 | 0.1 | 2 | 0 | 0 | 0 |
| sulfadoxine | kidney | 0.05 | 0.1 | 2 | 0 | 0 | 0 |
| sulfafurazole  | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| sulfamerazine | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| sulfamethoxazole | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| sulfamethoxydiazine (sulfameter) | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| sulfamethoxypyridazine | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| sulfapyridine | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| sulfaquinoxaline | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| sulfathiazole | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| sulfatroxazole | kidney | 0.05 | 0.1 | 2 | 0 | 0 | 0 |
| tetracycline | kidney | 0.01 | not set | 2 | 0 | 0 | 0 |
| thiamphenicol | muscle | 0.001 | not set | 2 | 0 | 0 | 0 |
| tilmicosin | kidney | 0.2 | not set | 2 | 0 | 0 | 0 |
| trimethoprim | kidney | 0.05 | not set | 2 | 0 | 0 | 0 |
| tulathromycin | kidney | 0.3 | not set | 2 | 0 | 0 | 0 |
| tylosin | kidney | 0.1 | not set | 2 | 0 | 0 | 0 |
| virginiamycin | kidney | 0.2 | not set | 2 | 0 | 0 | 0 |

Table 3 Hormones

| Chemical | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to ≤ ½ MRL | > ½ MRL to ≤ MRL | > MRL |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 16-hydroxystanozolol | urine | 0.001 | not defined | 1 | 0 | – | – |
| boldenone 17-alpha | urine | 0.001 | not defined | 1 | 0 | – | – |
| boldenone 17-beta | urine | 0.001 | not defined | 1 | 0 | – | – |
| dienoestrol | liver | 0.0002 | not set | 2 | 0 | 0 | 0 |
| diethylstilboestrol | liver | 0.0002 | not set | 2 | 0 | 0 | 0 |
| hexoestrol | liver | 0.0002 | not set | 2 | 0 | 0 | 0 |
| methandriol | urine | 0.005 | not defined | 1 | 0 | – | – |
| nortestosterone 17-alpha | urine | 0.001 | not defined | 1 | 0 | – | – |
| nortestosterone 17-beta | urine | 0.001 | not defined | 1 | 0 | – | – |
| stanozolol | urine | 0.001 | not defined | 1 | 0 | – | – |
| trenbolone | liver | 0.0005 | not set | 2 | 0 | 0 | 0 |
| zeranol (alpha-zearalanol) | liver | 0.002 | not set | 2 | 0 | 0 | 0 |

Table 4 Insecticides

| Chemical | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to ≤ ½ MRL | > ½ MRL to ≤ MRL | > MRL |
| --- | --- | --- | --- | --- | --- | --- | --- |
| spinetoram | fat | 0.005 | 2 | 5 | 0 | 0 | 0 |
| spinosad | fat | 0.005 | 2 | 5 | 0 | 0 | 0 |

Table 5 Metals

| Chemical | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to ≤ ½ MRL | > ½ MRL to ≤ MRL | > MRL |
| --- | --- | --- | --- | --- | --- | --- | --- |
| antimony | liver | 0.01 | no limit | 6 | 1 | 0 | 0 |
| arsenic (total) | liver | 0.05 | no limit | 6 | 1 | 0 | 0 |
| cadmium | liver | 0.01 | no limit | 6 | 6 | 0 | 0 |
| lead | liver | 0.01 | no limit | 6 | 6 | 0 | 0 |
| mercury (total) | liver | 0.01 | no limit | 6 | 0 | 0 | 0 |

Table 6 Mycotoxins

| Chemical | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to ≤ ½ MRL | > ½ MRL to ≤ MRL | > MRL |
| --- | --- | --- | --- | --- | --- | --- | --- |
| taleranol (beta-zearalanol) | liver | 0.002 | no limit | 2 | 0 | 0 | 0 |
| zearalanone | liver | 0.002 | no limit | 2 | 0 | 0 | 0 |
| zearalenol alpha | liver | 0.002 | no limit | 2 | 0 | 0 | 0 |
| zearalenol beta | liver | 0.002 | no limit | 2 | 0 | 0 | 0 |
| zearalenone | liver | 0.002 | no limit | 2 | 0 | 0 | 0 |

Table 6 Other veterinary drugs

| Chemical | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to ≤ ½ MRL | > ½ MRL to ≤ MRL | > MRL |
| --- | --- | --- | --- | --- | --- | --- | --- |
| cimaterol | liver | 0.0003 | not set | 1 | 0 | 0 | 0 |
| clenbuterol | liver | 0.0003 | not set | 1 | 0 | 0 | 0 |
| mabuterol | liver | 0.0003 | not set | 1 | 0 | 0 | 0 |
| ractopamine | liver | 0.0003 | not set | 1 | 0 | 0 | 0 |
| salbutamol | liver | 0.001 | not set | 1 | 0 | 0 | 0 |
| zilpaterol | liver | 0.0003 | not set | 1 | 0 | 0 | 0 |