



# Turkey residue testing annual datasets 2015–16

National Residue Survey, Department of Agriculture and Water Resources

## 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 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 Antibiotics**

| Chemical            | Matrix | LOR<br>(mg/kg) | MRL<br>(mg/kg) | No. of<br>samples<br>tested | > LOR to<br>≤ ½ MRL | > ½ MRL<br>to ≤ MRL | > MRL |
|---------------------|--------|----------------|----------------|-----------------------------|---------------------|---------------------|-------|
| amoxicillin         | liver  | 0.01           | 0.01           | 13                          | 0                   | 0                   | 0     |
| ampicillin          | liver  | 0.01           | not set        | 13                          | 0                   | 0                   | 0     |
| amprolium           | liver  | 0.01           | 1              | 4                           | 0                   | 0                   | 0     |
| apramycin           | liver  | 0.05           | 1              | 13                          | 0                   | 0                   | 0     |
| avilamycin          | liver  | 0.05           | 0.05           | 13                          | 0                   | 0                   | 0     |
| benzyl G penicillin | liver  | 0.01           | not set        | 13                          | 0                   | 0                   | 0     |
| ceftiofur           | liver  | 0.1            | not set        | 13                          | 0                   | 0                   | 0     |
| cefuroxime          | liver  | 0.05           | not set        | 13                          | 0                   | 0                   | 0     |
| cephalonium         | liver  | 0.05           | not set        | 13                          | 0                   | 0                   | 0     |
| chlortetracycline   | liver  | 0.01           | not set        | 13                          | 0                   | 0                   | 0     |
| cloxacillin         | liver  | 0.01           | not set        | 13                          | 0                   | 0                   | 0     |
| dihydrostreptomycin | liver  | 0.1            | not set        | 13                          | 0                   | 0                   | 0     |

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| Chemical               | Matrix | LOR<br>(mg/kg) | MRL<br>(mg/kg) | No. of<br>samples<br>tested | > LOR to<br>≤ ½ MRL | > ½ MRL<br>to ≤ MRL | > MRL |
|------------------------|--------|----------------|----------------|-----------------------------|---------------------|---------------------|-------|
| doxycycline            | liver  | 0.01           | not set        | 13                          | 0                   | 0                   | 0     |
| erythromycin           | liver  | 0.05           | 0.3            | 13                          | 0                   | 0                   | 0     |
| gentamycin             | liver  | 0.05           | not set        | 13                          | 0                   | 0                   | 0     |
| halofuginone           | liver  | 0.01           | not set        | 4                           | 0                   | 0                   | 0     |
| lasalocid              | liver  | 0.01           | 0.4            | 4                           | 0                   | 0                   | 0     |
| lincomycin             | liver  | 0.05           | 0.1            | 13                          | 0                   | 0                   | 0     |
| maduramicin            | liver  | 0.01           | 1              | 4                           | 0                   | 0                   | 0     |
| monensin               | liver  | 0.01           | 0.5            | 4                           | 0                   | 0                   | 0     |
| narasin                | liver  | 0.01           | 0.1            | 4                           | 0                   | 0                   | 0     |
| neomycin               | liver  | 0.05           | 0.5            | 13                          | 0                   | 0                   | 0     |
| nicarbazin             | liver  | 0.01           | not set        | 4                           | 0                   | 0                   | 1     |
| oleandomycin           | liver  | 0.05           | not set        | 13                          | 0                   | 0                   | 0     |
| oxytetracycline        | liver  | 0.01           | not set        | 13                          | 0                   | 0                   | 0     |
| salinomycin            | liver  | 0.01           | 0.5            | 4                           | 0                   | 0                   | 0     |
| semduramycin           | liver  | 0.01           | not set        | 4                           | 0                   | 0                   | 0     |
| streptomycin           | liver  | 0.1            | not set        | 13                          | 0                   | 0                   | 0     |
| sulfachloropyridazine  | liver  | 0.02           | not set        | 13                          | 0                   | 0                   | 0     |
| sulfadiazine           | liver  | 0.01           | 0.1            | 13                          | 0                   | 0                   | 0     |
| sulfadimethoxine       | liver  | 0.02           | not set        | 13                          | 0                   | 0                   | 0     |
| sulfadimidine          | liver  | 0.01           | 0.2            | 13                          | 0                   | 0                   | 0     |
| sulfadoxine            | liver  | 0.02           | not set        | 13                          | 0                   | 0                   | 0     |
| sulfafurazole          | liver  | 0.02           | not set        | 13                          | 0                   | 0                   | 0     |
| sulfamerazine          | liver  | 0.02           | not set        | 13                          | 0                   | 0                   | 0     |
| sulfamethoxazole       | liver  | 0.02           | not set        | 13                          | 0                   | 0                   | 0     |
| sulfamethoxydiazine    | liver  | 0.02           | not set        | 13                          | 0                   | 0                   | 0     |
| sulfamethoxypyridazine | liver  | 0.02           | not set        | 13                          | 0                   | 0                   | 0     |
| sulfapyridine          | liver  | 0.02           | not set        | 13                          | 0                   | 0                   | 0     |
| sulfaquinoxaline       | liver  | 0.02           | 0.1            | 13                          | 0                   | 0                   | 0     |
| sulfathiazole          | liver  | 0.02           | not set        | 13                          | 0                   | 0                   | 0     |
| sulfatroxazole         | liver  | 0.02           | not set        | 13                          | 0                   | 0                   | 0     |
| tetracycline           | liver  | 0.01           | not set        | 13                          | 0                   | 0                   | 0     |
| tilmicosin             | liver  | 0.05           | not set        | 13                          | 0                   | 0                   | 0     |
| trimethoprim           | liver  | 0.01           | not set        | 13                          | 0                   | 0                   | 0     |
| tulathromycin          | liver  | 0.1            | not set        | 13                          | 0                   | 0                   | 0     |
| tylosin                | liver  | 0.1            | 0.2            | 13                          | 0                   | 0                   | 0     |
| virginiamycin          | liver  | 0.05           | 0.2            | 13                          | 0                   | 0                   | 0     |

**Table 2 Contaminants**

| Chemical            | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to $\leq \frac{1}{2}$ MRL | > $\frac{1}{2}$ MRL to $\leq$ MRL | > MRL |
|---------------------|--------|-------------|-------------|-----------------------|---------------------------------|-----------------------------------|-------|
| aldrin and dieldrin | fat    | 0.01        | 0.2         | 3                     | 0                               | 0                                 | 0     |
| arochlor 1254       | fat    | 0.03        | not set     | 3                     | 0                               | 0                                 | 0     |
| arochlor 1260       | fat    | 0.03        | not set     | 3                     | 0                               | 0                                 | 0     |
| chlordane           | fat    | 0.01        | not set     | 3                     | 0                               | 0                                 | 0     |
| DDT                 | fat    | 0.01        | 5           | 3                     | 0                               | 0                                 | 0     |
| endrin              | fat    | 0.01        | not set     | 3                     | 0                               | 0                                 | 0     |
| HCB                 | fat    | 0.01        | 1           | 3                     | 0                               | 0                                 | 0     |
| HCH                 | fat    | 0.01        | 0.3         | 3                     | 0                               | 0                                 | 0     |
| heptachlor          | fat    | 0.01        | not set     | 3                     | 0                               | 0                                 | 0     |
| lindane             | fat    | 0.01        | 0.7         | 3                     | 0                               | 0                                 | 0     |
| mirex               | fat    | 0.01        | not set     | 3                     | 0                               | 0                                 | 0     |
| pentachlorobenzene  | fat    | 0.01        | not set     | 3                     | 0                               | 0                                 | 0     |

**Table 3 Fungicides**

| Chemical        | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to $\leq \frac{1}{2}$ MRL | > $\frac{1}{2}$ MRL to $\leq$ MRL | > MRL |
|-----------------|--------|-------------|-------------|-----------------------|---------------------------------|-----------------------------------|-------|
| boscalid        | fat    | 0.01        | 0.5         | 3                     | 0                               | 0                                 | 0     |
| carbendazim     | fat    | 0.01        | 0.1         | 3                     | 0                               | 0                                 | 0     |
| cyproconazole   | fat    | 0.01        | 0.01        | 3                     | 0                               | 0                                 | 0     |
| fluquinconazole | fat    | 0.01        | 0.02        | 3                     | 0                               | 0                                 | 0     |
| flutriafol      | fat    | 0.01        | 0.05        | 3                     | 0                               | 0                                 | 0     |
| fluxapyroxad    | fat    | 0.01        | 0.01        | 3                     | 0                               | 0                                 | 0     |
| procymidone     | fat    | 0.01        | 0.1         | 3                     | 0                               | 0                                 | 0     |
| propiconazole   | fat    | 0.05        | 0.1         | 3                     | 0                               | 0                                 | 0     |
| prothioconazole | fat    | 0.01        | 0.05        | 3                     | 0                               | 0                                 | 0     |
| quintozene      | fat    | 0.01        | not set     | 3                     | 0                               | 0                                 | 0     |

**Table 4 Herbicides**

| Chemical      | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to $\leq \frac{1}{2}$ MRL | > $\frac{1}{2}$ MRL to $\leq$ MRL | > MRL |
|---------------|--------|-------------|-------------|-----------------------|---------------------------------|-----------------------------------|-------|
| ethofumesate  | fat    | 0.01        | not set     | 3                     | 0                               | 0                                 | 0     |
| metolachlor   | fat    | 0.01        | 0.01        | 3                     | 0                               | 0                                 | 0     |
| propachlor    | fat    | 0.01        | 0.02        | 3                     | 0                               | 0                                 | 0     |
| pyrasulfotole | fat    | 0.01        | 0.01        | 3                     | 0                               | 0                                 | 0     |

**Table 5 Insecticides**

| Chemical   | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to $\leq \frac{1}{2}$ MRL | > $\frac{1}{2}$ MRL to $\leq$ MRL | > MRL |
|------------|--------|-------------|-------------|-----------------------|---------------------------------|-----------------------------------|-------|
| bifenthrin | fat    | 0.01        | 0.05        | 3                     | 0                               | 0                                 | 0     |

| Chemical                    | Matrix | LOR<br>(mg/kg) | MRL<br>(mg/kg) | No. of<br>samples<br>tested | > LOR to<br>≤ ½ MRL | > ½ MRL<br>to ≤ MRL | > MRL |
|-----------------------------|--------|----------------|----------------|-----------------------------|---------------------|---------------------|-------|
| bioresmethrin               | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| carbaryl                    | fat    | 0.01           | 0.02           | 3                           | 0                   | 0                   | 0     |
| chlorantraniliprole         | fat    | 0.01           | 0.01           | 3                           | 0                   | 0                   | 0     |
| chlorfenapyr                | fat    | 0.01           | 0.01           | 3                           | 0                   | 0                   | 0     |
| chlorfenvinphos             | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| chlorpyrifos                | fat    | 0.01           | 0.1            | 3                           | 0                   | 0                   | 0     |
| chlorpyrifos-methyl         | fat    | 0.02           | 0.05           | 3                           | 0                   | 0                   | 0     |
| coumaphos                   | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| cyfluthrin                  | fat    | 0.01           | 0.01           | 3                           | 0                   | 0                   | 0     |
| cyhalothrin                 | fat    | 0.01           | 0.02           | 3                           | 0                   | 0                   | 0     |
| cypermethrin                | fat    | 0.01           | 0.05           | 3                           | 0                   | 0                   | 0     |
| deltamethrin                | fat    | 0.01           | 0.01           | 3                           | 0                   | 0                   | 0     |
| diafenthiuron               | fat    | 0.02           | not set        | 3                           | 0                   | 0                   | 0     |
| diazinon                    | fat    | 0.01           | 0.05           | 3                           | 0                   | 0                   | 0     |
| dichlorvos                  | fat    | 0.01           | 0.01           | 3                           | 0                   | 0                   | 0     |
| dicofol                     | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| dimethoate                  | fat    | 0.01           | 0.05           | 3                           | 0                   | 0                   | 0     |
| endosulfan                  | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| ethion                      | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| famphur                     | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| famphur oxygen-<br>analogue | fat    | 0.05           | not set        | 3                           | 0                   | 0                   | 0     |
| fenitrothion                | fat    | 0.01           | 0.05           | 3                           | 0                   | 0                   | 0     |
| fenthion                    | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| fenvalerate                 | fat    | 0.01           | 0.05           | 3                           | 0                   | 0                   | 0     |
| fipronil                    | fat    | 0.01           | 0.02           | 3                           | 0                   | 0                   | 0     |
| flubendiamide               | fat    | 0.01           | 0.01           | 3                           | 0                   | 0                   | 0     |
| flumethrin                  | fat    | 0.05           | not set        | 3                           | 0                   | 0                   | 0     |
| imidacloprid                | fat    | 0.01           | 0.02           | 3                           | 0                   | 0                   | 0     |
| indoxacarb                  | fat    | 0.01           | 0.01           | 3                           | 0                   | 0                   | 0     |
| malathion                   | fat    | 0.01           | 1              | 3                           | 0                   | 0                   | 0     |
| methidathion                | fat    | 0.01           | 0.05           | 3                           | 0                   | 0                   | 0     |
| methoxychlor                | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| mevinphos                   | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| omethoate                   | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| parathion-methyl            | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| permethrin                  | fat    | 0.01           | 0.1            | 3                           | 0                   | 0                   | 0     |
| phosmet                     | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| pirimiphos-methyl           | fat    | 0.01           | 0.05           | 3                           | 0                   | 0                   | 0     |
| prothiofos                  | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |

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|-----------------|--------|----------------|----------------|-----------------------------|---------------------|---------------------|-------|
| pyraclofos      | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| spirotetramat   | fat    | 0.01           | 0.02           | 3                           | 0                   | 0                   | 0     |
| sulfoxaflor     | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| tau-fluvalinate | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |
| temephos        | fat    | 0.01           | not set        | 3                           | 0                   | 0                   | 0     |