# Eggs residue testing annual datasets 2020–21

National Residue Survey, Department of Agriculture, Water and the Environment

## 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.

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**Table 1: Anthelmintics**

| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL(mg/kg)** | **Number of samples tested** | **>LOR to ≤½MRL** | **>½MRL to ≤MRL** | **>MRL** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| fluensulfone | whole | 0.02 | 0.01 | 61 | 0 | 0 | 0 |

**Table 2: Antibiotics**

| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL(mg/kg)** | **Number of samples tested** | **>LOR to ≤½MRL** | **>½MRL to ≤MRL** | **>MRL** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| AHD | whole | 0.0004 | not set | 26 | 0 | 0 | 0 |
| amoxicillin | whole | 0.005 | 0.05 | 31 | 0 | 0 | 0 |
| AMOZ | whole | 0.000077 | not set | 26 | 0 | 0 | 0 |
| ampicillin | whole | 0.01 | not set | 31 | 0 | 0 | 0 |
| AOZ | whole | 0.000072 | not set | 26 | 0 | 0 | 0 |
| apramycin | whole | 0.05 | not set | 31 | 0 | 0 | 0 |
| avilamycin | whole | 0.05 | not set | 31 | 0 | 0 | 0 |
| benzyl G penicillin | whole | 0.01 | not set | 31 | 0 | 0 | 0 |
| ceftiofur (desfuroylceftiofur) | whole | 0.1 | not set | 31 | 0 | 0 | 0 |
| cefuroxime | whole | 0.05 | not set | 31 | 0 | 0 | 0 |
| cephalonium | whole | 0.05 | not set | 31 | 0 | 0 | 0 |
| chloramphenicol | whole | 0.0001 | not set | 30 | 0 | 0 | 0 |
| chlortetracycline | whole | 0.01 | 0.2 | 31 | 0 | 0 | 0 |
| cloxacillin | whole | 0.01 | not set | 31 | 0 | 0 | 0 |
| dihydrostreptomycin | whole | 0.1 | not set | 31 | 0 | 0 | 0 |
| dimetridazole | whole | 0.0001 | not set | 25 | 0 | 0 | 0 |
| doxycycline | whole | 0.01 | not set | 31 | 0 | 0 | 0 |
| erythromycin | whole | 0.05 | not set | 31 | 0 | 0 | 0 |
| florfenicol | whole | 0.003 | not set | 30 | 0 | 0 | 0 |
| gentamycin | whole | 0.05 | not set | 31 | 0 | 0 | 0 |
| lincomycin | whole | 0.05 | 0.2 | 31 | 0 | 0 | 0 |
| metronidazole | whole | 0.0001 | not set | 25 | 0 | 0 | 0 |
| neomycin | whole | 0.05 | 0.5 | 31 | 0 | 0 | 0 |
| oleandomycin | whole | 0.01 | not set | 31 | 0 | 0 | 0 |
| oxytetracycline | whole | 0.01 | not set | 31 | 0 | 0 | 0 |
| ronidazole | whole | 0.0001 | not set | 25 | 0 | 0 | 0 |
| SEM | whole | 0.00041 | not set | 26 | 0 | 0 | 0 |
| streptomycin | whole | 0.1 | not set | 31 | 0 | 0 | 0 |
| sulfachloropyridazine | whole | 0.02 | not set | 31 | 0 | 0 | 0 |
| sulfadiazine | whole | 0.01 | 0.02 | 31 | 0 | 0 | 0 |
| sulfadimethoxine | whole | 0.02 | not set | 31 | 0 | 0 | 0 |
| sulfadimidine (sulfamethazine) | whole | 0.0025 | 0.005 | 31 | 0 | 0 | 0 |
| sulfadoxine | whole | 0.02 | not set | 31 | 0 | 0 | 0 |
| sulfafurazole  | whole | 0.02 | not set | 31 | 0 | 0 | 0 |
| sulfamerazine | whole | 0.02 | not set | 31 | 0 | 0 | 0 |
| sulfamethoxazole | whole | 0.02 | not set | 31 | 0 | 0 | 0 |
| sulfamethoxydiazine (sulfameter) | whole | 0.02 | not set | 31 | 0 | 0 | 0 |
| sulfamethoxypyridazine | whole | 0.02 | not set | 31 | 0 | 0 | 0 |
| sulfapyridine | whole | 0.02 | not set | 31 | 0 | 0 | 0 |
| sulfaquinoxaline | whole | 0.005 | 0.01 | 31 | 0 | 0 | 0 |
| sulfathiazole | whole | 0.02 | not set | 31 | 0 | 0 | 0 |
| sulfatroxazole | whole | 0.02 | not set | 31 | 0 | 0 | 0 |
| tetracycline | whole | 0.01 | not set | 31 | 0 | 0 | 0 |
| thiamphenicol | whole | 0.0029 | not set | 30 | 0 | 0 | 0 |
| tilmicosin | whole | 0.01 | not set | 31 | 0 | 0 | 0 |
| trimethoprim | whole | 0.01 | 0.01 | 31 | 0 | 0 | 0 |
| tulathromycin | whole | 0.1 | not set | 31 | 0 | 0 | 0 |
| tylosin | whole | 0.1 | 0.2 | 31 | 0 | 0 | 0 |
| virginiamycin | whole | 0.01 | not set | 31 | 0 | 0 | 0 |

**Table 3: Anticoccidials**

| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL(mg/kg)** | **Number of samples tested** | **>LOR to ≤½MRL** | **>½MRL to ≤MRL** | **>MRL** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| amprolium | whole | 0.01 | 4 | 31 | 0 | 0 | 0 |
| decoquinate | whole | 0.002 | not set | 31 | 0 | 0 | 0 |
| diclazuril | whole | 0.002 | not set | 31 | 0 | 0 | 0 |
| halofuginone | whole | 0.002 | not set | 31 | 0 | 0 | 0 |
| lasalocid | whole | 0.01 | 0.05 | 31 | 0 | 0 | 0 |
| maduramicin | whole | 0.002 | not set | 31 | 0 | 0 | 0 |
| monensin | whole | 0.01 | not set | 31 | 0 | 0 | 0 |
| narasin | whole | 0.002 | not set | 31 | 0 | 0 | 0 |
| nicarbazin (4,4'-dinitrocarbanilide) | whole | 0.01 | 0.3 | 31 | 0 | 0 | 0 |
| salinomycin | whole | 0.002 | 0.02 | 31 | 0 | 0 | 0 |
| semduramycin | whole | 0.002 | not set | 31 | 0 | 0 | 0 |
| toltrazuril | whole | 0.01 | 0.03 | 31 | 0 | 0 | 0 |

**Table 4: Contaminants**

| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL(mg/kg)** | **Number of samples tested** | **>LOR to ≤½MRL** | **>½MRL to ≤MRL** | **>MRL** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| acrylonitrile | whole | 0.01 | 0.02 | 18 | 0 | 0 | 0 |
| aldrin and dieldrin (HHDN+HEOD) | whole | 0.01 | 0.1 | 61 | 0 | 0 | 0 |
| arochlor 1254 | whole | 0.03 | 0.2 | 61 | 0 | 0 | 0 |
| arochlor 1260 | whole | 0.03 | 0.2 | 61 | 0 | 0 | 0 |
| chlordane | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| DDT | whole | 0.01 | 0.5 | 61 | 0 | 0 | 0 |
| endosulfan | whole | 0.05 | not set | 61 | 0 | 0 | 0 |
| endrin | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| HCB (hexachlorobenzene) | whole | 0.01 | 1 | 61 | 0 | 0 | 0 |
| HCH (BHC) | whole | 0.01 | 0.1 | 61 | 0 | 0 | 0 |
| heptachlor | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| lindane (gamma-HCH) | whole | 0.01 | 0.1 | 61 | 0 | 0 | 0 |
| mirex | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| pentachlorobenzene | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| total indicator PCBs | whole | 0.000001 | 0.2 | 3 | 3 | 0 | 0 |
| vinyl chloride | whole | 0.005 | not set | 18 | 0 | 0 | 0 |

**Table 5: Fungicides**

| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL(mg/kg)** | **Number of samples tested** | **>LOR to ≤½MRL** | **>½MRL to ≤MRL** | **>MRL** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| amisulbrom | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| azoxystrobin | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| bixafen | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| boscalid | whole | 0.01 | 0.5 | 61 | 0 | 0 | 0 |
| carbendazim | whole | 0.01 | 0.1 | 61 | 0 | 0 | 0 |
| cyproconazole | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| difenoconazole | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| epoxiconazole | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| fenpyrazamine | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| fludioxonil | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| fluopicolide | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| fluopyram-A | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| fluquinconazole | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| flutriafol | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| fluxapyroxad | whole | 0.01 | 0.005 | 61 | 0 | 0 | 0 |
| imazalil | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| isopyrazam | whole | 0.01 | 0.005 | 61 | 0 | 0 | 0 |
| mandestrobin | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| procymidone | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| propamocarb | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| propiconazole | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| prothioconazole | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| pydiflumetofen | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| pyraclostrobin-A | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| pyrimethanil | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| pyriofenone | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| quinoxyfen | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| quintozene | whole | 0.01 | 0.03 | 61 | 0 | 0 | 0 |
| spiroxamine-A | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| tebuconazole | whole | 0.01 | 0.1 | 61 | 0 | 0 | 0 |
| trifloxystrobin | whole | 0.01 | not set | 61 | 0 | 0 | 0 |

**Table 6: Herbicides**

| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL(mg/kg)** | **Number of samples tested** | **>LOR to ≤½MRL** | **>½MRL to ≤MRL** | **>MRL** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| amicarbazone | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| cloquintocet | whole | 0.01 | 0.1 | 61 | 0 | 0 | 0 |
| ethofumesate | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| florpyrauxifen-benzyl | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| indaziflam | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| metamitron | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| metazachlor | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| metolachlor | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| propachlor | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| pyrasulfotole | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| pyroxsulam | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| saflufenacil-A | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| topramezone | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |

**Table 7: Insecticides**

| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL(mg/kg)** | **Number of samples tested** | **>LOR to ≤½MRL** | **>½MRL to ≤MRL** | **>MRL** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| acetamiprid-A | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| afidopyropen | whole | 0.012 | 0.1 | 61 | 0 | 0 | 0 |
| bifenthrin | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| bioresmethrin | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| carbaryl | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| chlorantraniliprole | whole | 0.01 | 0.03 | 61 | 0 | 0 | 0 |
| chlorfenapyr | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| chlorfenvinphos (sum of isomers) | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| chlorpyrifos | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| chlorpyrifos-methyl | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| clothianidin | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| coumaphos  | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| cyantraniliprole | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| cyclaniliprole | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| cyfluthrin (sum of isomers) | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| cyhalothrin (sum of isomers) | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| cypermethrin (sum of isomers) | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| deltamethrin | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| diafenthiuron | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| diazinon | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| dichlorvos | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| dicofol | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| dimethoate | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| dinotefuran | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| ethion | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| famphur | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| famphur oxygen-analogue | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| fenitrothion | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| fenthion | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| fenvalerate (sum of isomers) | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| fipronil | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| flonicamid-A | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| flubendiamide | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| flumethrin | whole | 0.05 | not set | 61 | 0 | 0 | 0 |
| flupyradifurone | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| imidacloprid | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| indoxacarb | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| malathion (maldison) | whole | 0.01 | 1 | 61 | 0 | 0 | 0 |
| metaflumizone | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| methidathion | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| methoxychlor | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| mevinphos | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| omethoate | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| parathion-methyl | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| permethrin (sum of isomers) | whole | 0.01 | 0.1 | 61 | 0 | 0 | 0 |
| phosmet | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| pirimiphos-methyl | whole | 0.01 | 0.05 | 61 | 0 | 0 | 0 |
| prothiofos | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| pyraclofos | whole | 0.01 | not set | 61 | 0 | 0 | 0 |
| spirotetramat | whole | 0.01 | 0.02 | 61 | 0 | 0 | 0 |
| sulfoxaflor | whole | 0.01 | 0.01 | 61 | 0 | 0 | 0 |
| tau-fluvalinate | whole | 0.02 | not set | 61 | 0 | 0 | 0 |
| temephos | whole | 0.01 | not set | 61 | 0 | 0 | 0 |

**Table 8: Metals**

| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL(mg/kg)** | **Number of samples tested** | **>LOR to ≤½MRL** | **>½MRL to ≤MRL** | **>MRL** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| antimony | whole | 0.01 | no limit | 19 | 0 | 0 | 0 |
| arsenic (total) | whole | 0.05 | no limit | 19 | 0 | 0 | 0 |
| cadmium | whole | 0.01 | no limit | 19 | 0 | 0 | 0 |
| lead | whole | 0.01 | no limit | 19 | 1 | 0 | 0 |
| mercury (total) | whole | 0.01 | no limit | 19 | 0 | 0 | 0 |