

**Marron residue testing annual datasets 2022-23**

National Residue Survey (NRS), Department of Agriculture, Fisheries and Forestry **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**

Although the Australian Government has exercised due care and skill in the preparation and compilation of this publication, it does not warrant its accuracy, completeness, currency or suitability for any purpose. To the maximum extent permitted by law, the Australian Government disclaims all liability, including liability in negligence for any loss, damage, cost or expense incurred by persons as a result of accessing, using or relying on any of the information or data set out in this publication. Before relying on the material in any matters, users should carefully evaluate its accuracy, currency, completeness and relevance for the purposes intended, and should obtain any appropriate professional advice relevant to their particular circumstances.

**Table 1: ANTHELMINTICS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL  (mg/kg)** | **Number of  samples tested** | **>LOR to  ≤½ MRL** | **> ½ MRL to ≤MRL** | **>MRL** |
| flubendazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| thiabendazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |

**Table 2: ANTIBIOTICS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL  (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤ ½ MRL** | **>½ MRL to ≤MRL** | **>MRL** |
| AHD | Flesh | 0.0004 | not set | 1 | 0 | 0 | 0 |
| AMOZ | Flesh | 0.000077 | not set | 1 | 0 | 0 | 0 |
| AOZ | Flesh | 0.000072 | not set | 1 | 0 | 0 | 0 |
| SEM | Flesh | 0.00041 | not set | 1 | 0 | 0 | 0 |

**Table 3: CONTAMINANTS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL  (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **>½ MRL to ≤MRL** | **>MRL** |
| aldrin and dieldrin (HHDN+HEOD) | Flesh | 0.01 | 0.1 | 1 | 0 | 0 | 0 |
| anthraquinone | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chlordane | Flesh | 0.01 | 0.05 | 1 | 0 | 0 | 0 |
| chlorobenzilate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| DDT | Flesh | 0.01 | 1 | 1 | 0 | 0 | 0 |
| endosulfan | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| endrin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| HCB (hexachlorobenzene) | Flesh | 0.01 | 0.1 | 1 | 0 | 0 | 0 |
| HCH (BHC) | Flesh | 0.01 | 0.01 | 1 | 0 | 0 | 0 |
| heptachlor | Flesh | 0.01 | 0.05 | 1 | 0 | 0 | 0 |
| lindane (gamma-HCH) | Flesh | 0.01 | 1 | 1 | 0 | 0 | 0 |
| mirex | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pentachlorobenzene | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| THPI | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| total indicator PCBs | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |

**Table 4: DYES**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL  (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **> ½ MRL to ≤MRL** | **>MRL** |
| brilliant green | Flesh | 0.00022 | not set | 1 | 0 | 0 | 0 |
| crystal violet | Flesh | 0.00014 | not set | 1 | 0 | 0 | 0 |

National Residue Survey | Department of Agriculture, Fisheries and Forestry

1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| leucocrystal violet | Flesh | 0.0005 | not set | 1 | 0 | 0 | 0 |
| leucomalachite green | Flesh | 0.00044 | not set | 1 | 0 | 0 | 0 |
| malachite green | Flesh | 0.00025 | not set | 1 | 0 | 0 | 0 |
| methylene blue | Flesh | 0.0011 | not set | 1 | 0 | 0 | 0 |
| victoria blue B | Flesh | 0.00066 | not set | 1 | 0 | 0 | 0 |
| victoria blue R | Flesh | 0.00025 | not set | 1 | 0 | 0 | 0 |
| victoria pure blue BO | Flesh | 0.0011 | not set | 1 | 0 | 0 | 0 |

**Table 5: FUNGICIDES**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL  (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤ ½ MRL** | **>½ MRL to ≤MRL** | **>MRL** |
| acibenzolar-S-methyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| azaconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| azoxystrobin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| benalaxyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| benodanil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bitertanol | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bixafen | Flesh | 0.01 | 0.03 | 1 | 0 | 0 | 0 |
| boscalid | Flesh | 0.01 | 0.5 | 1 | 0 | 0 | 0 |
| bupirimate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| carbendazim | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| carpropamid | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chlozolinate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| cyclanilide | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| cyflufenamid | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| cyproconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| cyprodinil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| diclobutrazol | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| diclocymet | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| dicloran | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| diethofencarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| difenoconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| dimethomorph | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| edifenphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| epoxiconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| etridiazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenamidone | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenarimol | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenbuconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenoxanil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenpropimorph | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenpyrazamine | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ferimzone | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fludioxonil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fluopicolide | Flesh | 0.01 | 0.01 | 1 | 0 | 0 | 0 |
| fluopyram | Flesh | 0.01 | 0.2 | 1 | 0 | 0 | 0 |
| fluquinconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| flusilazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| flutolanil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| flutriafol | Flesh | 0.01 | 0.5 | 1 | 0 | 0 | 0 |
| fluxapyroxad | Flesh | 0.01 | 0.1 | 1 | 0 | 0 | 0 |
| fuberidazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| furalaxyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| furametpyr | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| hexaconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| imazalil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ipconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| iprobenfos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| iprodione | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| iprovalicarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| isoprothiolane | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| isopyrazam | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| kresoxim-methyl-A | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| mandestrobin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| mandipropamid | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| mefentrifluconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| mepronil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| metalaxyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| metconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| metominostrobin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| metrafenone | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| myclobutanil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| nitrothal-isopropyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| oxadixyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |

National Residue Survey | Department of Agriculture, Fisheries and Forestry

2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| oxathiapiprolin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| oxycarboxin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| paclobutrazol | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| penconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| penthiopyrad | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| picoxystrobin | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| prochloraz | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| procymidone | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| propiconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pydiflumetofen | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyraclostrobin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyrimethanil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyriofenone | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyroquilon | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| quinoxyfen | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| quintozene | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| simeconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| spiroxamine | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| tebuconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| tecnazene | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| tetraconazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| tolclofos methyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| tolylfluanid | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| triadimefon | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| triadimenol | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| tricyclazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| trifloxystrobin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| triticonazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| uniconazole-P | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| vinclozolin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| zoxamide | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |

**Table 6: HERBICIDES**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL  (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤ ½ MRL** | **>½ MRL to ≤MRL** | **>MRL** |
| acetochlor | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| allidochlor | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ametoctradin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ametryn | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| atrazine | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| benfluralin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| benoxacor | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bensulfuron-methyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bensulide | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bentazone | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| bifenox | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bromacil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bromobutide | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| butachlor | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| butafenacil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| butamifos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| cafenstrole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| carfentrazone-ethyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chlorimuron-ethyl | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| chlorotoluron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chloroxuron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chlorpropham | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chlorthal-dimethyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| clodinafop-propargyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| clomazone | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| cloquintocet-mexyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| cyanazine | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| cyclosulfamuron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| cyhalofop-butyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| desmedipham | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| dichlobenil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| diclofop-methyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| diclosulam | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| diflufenican | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| dimepiperate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| dimethenamid-P | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| diphenamid | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| dithiopyr | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| esprocarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |

National Residue Survey | Department of Agriculture, Fisheries and Forestry

3

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ethalfluralin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ethofumesate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ethoxysulfuron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenoxaprop-ethyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fentrazamide | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| flamprop-M-methyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| florasulam | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| fluazifop-p-butyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| flufenacet | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| flumiclorac-pentyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| flumioxazin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fluometuron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fluridone | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| halauxifen-methyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| haloxyfop | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| hexazinone | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| imazamethabenz-methyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| inabenfide | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| indanofan | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| indaziflam | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ioxynil | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| isoproturon | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| isoxaben | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| karbutilate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| lactofen | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| lenacil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| linuron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| mefenpyr-diethyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| metamitron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| methabenzthiazuron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| metobromuron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| metolachlor | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| metribuzin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| monolinuron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| napropamide | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| nitrofen | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| norflurazon | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| oryzalin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| oxadiazon | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| oxyfluorfen | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pendimethalin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| picolinafen | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| piperophos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pretilachlor | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| prometryn | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| propachlor | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| propaquizafop | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| propazine | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| propham | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| propyzamide | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyraflufen-ethyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyributicarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyriftalid | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| pyriminobac-methyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyroxsulam | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| quizalofop-ethyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| saflufenacil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| sebuthylazine | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| simazine | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| simetryn | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| sulfentrazone | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| tebuthiuron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| terbacil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| terbumeton | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| terbuthylazine | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| terbutryn | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| thenylchlor | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| thiazopyr | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| triallate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| triasulfuron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| trifloxysulfuron sodium | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| trifluralin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |

**Table 7: INSECTICIDES**

National Residue Survey | Department of Agriculture, Fisheries and Forestry

4

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL  (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤ ½ MRL** | **>½ MRL to ≤MRL** | **>MRL** |
| acephate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| acrinathrin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| aldicarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| anilofos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| azinphos-ethyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| azinphos-methyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bendiocarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bifenthrin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bioresmethrin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bromophos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bromophos-ethyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| bromopropylate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| buprofezin | Flesh | 0.01 | 0.1 | 1 | 0 | 0 | 0 |
| cadusafos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| carbaryl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| carbetamide | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| carbofuran | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chlorantraniliprole | Flesh | 0.01 | 0.1 | 1 | 0 | 0 | 0 |
| chlorbufam | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chlorfenapyr | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chlorfenvinphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chlorpyrifos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chlorpyrifos-methyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chlorthiophos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| chromafenozide | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| clothianidin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| coumaphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| crufomate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| cyanophos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| cyantraniliprole | Flesh | 0.01 | 0.05 | 1 | 0 | 0 | 0 |
| cyfluthrin | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| cypermethrin | Flesh | 0.01 | 0.01 | 1 | 0 | 0 | 0 |
| deltamethrin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| demeton-S-methyl sulfoxide (oxydemeton- methyl) | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| diazinon | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| dichlofenthion | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| dicrotophos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| diflubenzuron | Flesh | 0.01 | 0.002 | 1 | 0 | 0 | 0 |
| dimethoate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| dimethylvinphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| dioxabenzofos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| EPN | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ethion | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ethiprole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ethoprophos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| etoxazole | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| etrimfos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| famphur | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenamiphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenchlorphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenitrothion | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenobucarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenothiocarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenoxycarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenpropathrin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fensulfothion | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenthion | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenthion-ethyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fenvalerate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fipronil | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fluacrypyrim | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| flucythrinate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| flumethrin | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| fluvalinate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fonofos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| formetanate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| fosthiazate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| furathiocarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| heptenophos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| imidacloprid | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| indoxacarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| iodofenphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |

National Residue Survey | Department of Agriculture, Fisheries and Forestry

5

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| isazophos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| isofenphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| isofenphos-methyl | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| isoprocarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| isoxathion | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| leptophos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| malathion | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| methacrifos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| methamidophos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| methidathion | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| methiocarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| methomyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| methoxychlor | Flesh | 0.01 | 1 | 1 | 0 | 0 | 0 |
| methoxyfenozide | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| mevinphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| monocrotophos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| novaluron | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| omethoate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| oxamyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| parathion | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| parathion-methyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| perthane | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| phenmedipham | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| phorate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| phosalone | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| phosmet | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| phosphamidon | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| piperonyl butoxide | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pirimicarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pirimiphos-methyl | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| profenofos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| promecarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| propaphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| propargite | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| propetamphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| propoxur | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| prothiofos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyraclofos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyrazophos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyridaben | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyridaphenthion | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyrifluquinazon | Flesh | 0.02 | not set | 1 | 0 | 0 | 0 |
| pyrimidifen | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| pyriproxyfen | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| quinalphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| spirotetramat | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| sulfoxaflor | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| tebufenozide | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| tebufenpyrad | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| tefluthrin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| terbufos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| tetrachlorvinphos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| tetradifon | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| thiacloprid | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| thiamethoxam | Flesh | 0.01 | 0.5 | 1 | 0 | 0 | 0 |
| thiobencarb | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| transfluthrin | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| triazofos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| tribufos | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| trichlorfon | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| triflumuron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| vamidothion | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| XMC | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |

**Table 8: METALS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL  (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤ ½ MRL** | **>½ MRL to ≤MRL** | **>MRL** |
| antimony | Flesh | 0.01 | no limit | 1 | 1 | 0 | 0 |
| arsenic (total) | Flesh | 0.05 | no limit | 1 | 0 | 0 | 0 |
| cadmium | Flesh | 0.01 | no limit | 1 | 0 | 0 | 0 |
| chromium | Flesh | 0.05 | no limit | 1 | 0 | 0 | 0 |
| lead | Flesh | 0.01 | no limit | 1 | 0 | 0 | 0 |
| mercury (total) | Flesh | 0.01 | 1.5 | 1 | 1 | 0 | 0 |

National Residue Survey | Department of Agriculture, Fisheries and Forestry

6

**Table 9: PHYSIOLOGICAL MODIFIER**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL  (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤ ½ MRL** | **>½ MRL to ≤MRL** | **>MRL** |
| diphenylamine | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ethylchlozate | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| forchlorfenuron | Flesh | 0.01 | not set | 1 | 0 | 0 | 0 |

National Residue Survey | Department of Agriculture, Fisheries and Forestry

7