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| |  | | --- | | **Oat residue testing annual datasets 2023-24** | | | | | | | |
|  |  |  |  |  |  |  |
| |  | | --- | | 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: CONTAMINANTS** | | | | | | | | **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of samples tested** | **>½MRL to ≤MRL** | **>MRL** | | aldrin and dieldrin (HHDN+HEOD) | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | chlordane | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | DDT | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | endosulfan | Whole | 0.01 | not set | 167 | - | - | | endrin | Whole | 0.01 | not set | 167 | - | - | | HCB (hexachlorobenzene) | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | HCH (BHC) | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | heptachlor | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | lindane (gamma-HCH) | Whole | 0.01 | 0.5 | 167 | 0 | 0 | | mirex | Whole | 0.01 | not set | 167 | - | - | |  |  |  |  |  |  |  | | **Table 2: FUNGICIDES** | | | | | | | | **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of samples tested** | **>½MRL to ≤MRL** | **>MRL** | | azoxystrobin | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | benalaxyl | Whole | 0.01 | not set | 167 | - | - | | benzovindiflupyr | Whole | 0.01 | 0.2 | 167 | 0 | 0 | | bitertanol | Whole | 0.01 | not set | 167 | - | - | | bixafen | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | boscalid | Whole | 0.01 | 0.5 | 167 | 0 | 0 | | bupirimate | Whole | 0.01 | not set | 167 | - | - | | captafol | Whole | 0.01 | not set | 167 | - | - | | captan | Whole | 0.01 | not set | 167 | - | - | | carbendazim | Whole | 0.01 | not set | 167 | - | - | | carboxin | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | carboxin sulfoxide | Whole | 0.01 | not set | 167 | - | - | | chlorothalonil | Whole | 0.01 | not set | 167 | - | - | | cyproconazole | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | cyprodinil | Whole | 0.01 | not set | 167 | - | - | | difenoconazole | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | dimethomorph | Whole | 0.01 | not set | 167 | - | - | | dithianon | Whole | 0.01 | not set | 167 | - | - | | dodine | Whole | 0.01 | not set | 167 | - | - | | epoxiconazole | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | etridiazole | Whole | 0.01 | not set | 167 | - | - | | fenarimol | Whole | 0.01 | not set | 167 | - | - | | fenbuconazole | Whole | 0.01 | not set | 167 | - | - | | fenhexamid | Whole | 0.01 | not set | 167 | - | - | | florylpicoxamid | Whole | 0.01 | not set | 102 | - | - | | fluazinam | Whole | 0.01 | not set | 167 | - | - | | fludioxonil | Whole | 0.01 | not set | 167 | - | - | | fluopicolide | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | fluopyram | Whole | 0.01 | 0.03 | 167 | 0 | 0 | | fluquinconazole | Whole | 0.01 | not set | 167 | - | - | | flusilazole | Whole | 0.01 | not set | 167 | - | - | | flutriafol | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | fluxapyroxad | Whole | 0.01 | 0.2 | 167 | 0 | 0 | | hexaconazole | Whole | 0.01 | not set | 167 | - | - | | imazalil | Whole | 0.01 | not set | 167 | - | - | | ipconazole | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | iprodione | Whole | 0.01 | not set | 167 | - | - | | isoprothiolane | Whole | 0.01 | not set | 167 | - | - | | isopyrazam | Whole | 0.01 | not set | 167 | - | - | | kresoxim-methyl | Whole | 0.01 | not set | 167 | - | - | | metalaxyl | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | myclobutanil | Whole | 0.01 | not set | 167 | - | - | | oxadixyl | Whole | 0.01 | not set | 167 | - | - | | penconazole | Whole | 0.01 | not set | 167 | - | - | | penflufen | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | prochloraz | Whole | 0.01 | not set | 167 | - | - | | procymidone | Whole | 0.01 | not set | 167 | - | - | | propiconazole | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | prothioconazole | Whole | 0.01 | 0.3 | 167 | 0 | 0 | | pydiflumetofen | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | pyraclostrobin | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | pyrimethanil | Whole | 0.01 | not set | 167 | - | - | | quinoxyfen | Whole | 0.01 | not set | 167 | - | - | | quintozene | Whole | 0.01 | not set | 167 | - | - | | sedaxane | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | spiroxamine | Whole | 0.01 | not set | 167 | - | - | | tebuconazole | Whole | 0.01 | 0.2 | 167 | 0 | 0 | | thiabendazole | Whole | 0.01 | not set | 167 | - | - | | tolclofos methyl | Whole | 0.01 | not set | 167 | - | - | | triadimefon | Whole | 0.01 | 0.5 | 167 | 0 | 0 | | triadimenol | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | trifloxystrobin | Whole | 0.01 | not set | 167 | - | - | | triticonazole | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | uniconazole-P | Whole | 0.01 | not set | 167 | - | - | | vinclozolin | Whole | 0.01 | not set | 167 | - | - | |  | | | | | | | |  |  |  |  |  |  |  | | **Table 3: HERBICIDES** | | | | | | | | **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of samples tested** | **>½MRL to ≤MRL** | **>MRL** | | 2,2-DPA (2,2-dichloropropionic acid) | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | 2,4-D | Whole | 0.01 | 0.2 | 167 | 0 | 0 | | 2,4-DB | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | acifluorfen | Whole | 0.01 | not set | 167 | - | - | | aclonifen | Whole | 0.01 | not set | 102 | - | - | | ametryn | Whole | 0.01 | not set | 167 | - | - | | aminopyralid | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | amitrole | Whole | 0.01 | 0.01 | 74 | 0 | 0 | | atrazine | Whole | 0.01 | not set | 167 | - | - | | bentazone | Whole | 0.01 | not set | 167 | - | - | | bicyclopyrone | Whole | 0.01 | not set | 167 | - | - | | bixlozone | Whole | 0.01 | not set | 167 | - | - | | bromacil | Whole | 0.01 | not set | 167 | - | - | | bromoxynil | Whole | 0.01 | 0.2 | 167 | 0 | 0 | | butafenacil | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | butroxydim | Whole | 0.01 | not set | 167 | - | - | | carfentrazone-ethyl | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | chlormequat | Whole | 0.01 | not set | 74 | - | - | | chlorpropham | Whole | 0.01 | not set | 167 | - | - | | chlorsulfuron | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | chlorthal-dimethyl | Whole | 0.01 | not set | 167 | - | - | | cinmethylin | Whole | 0.01 | not set | 167 | - | - | | clethodim | Whole | 0.01 | not set | 167 | - | - | | clodinafop acid | Whole | 0.01 | not set | 167 | - | - | | clodinafop-propargyl | Whole | 0.01 | not set | 167 | - | - | | clomazone | Whole | 0.01 | not set | 167 | - | - | | clopyralid | Whole | 0.01 | 2 | 167 | 0 | 0 | | cloquintocet-mexyl | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | cyanazine | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | dicamba | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | dichlobenil | Whole | 0.01 | not set | 167 | - | - | | dichlorprop-P | Whole | 0.01 | not set | 74 | - | - | | diclofop-methyl | Whole | 0.01 | 0.1 | 74 | 0 | 0 | | diflufenican | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | dimethenamid-P | Whole | 0.01 | not set | 167 | - | - | | diquat | Whole | 0.01 | 5 | 74 | 0 | 0 | | diuron | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | EPTC | Whole | 0.01 | 0.04 | 167 | 0 | 0 | | ethofumesate | Whole | 0.01 | not set | 167 | - | - | | fenoxaprop-ethyl | Whole | 0.01 | not set | 167 | - | - | | flamprop-M-methyl | Whole | 0.01 | not set | 74 | - | - | | florasulam | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | florpyrauxifen-benzyl | Whole |  | not set | 167 | - | - | | fluazifop-p-butyl | Whole | 0.01 | not set | 74 | - | - | | flumetsulam | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | flumioxazin | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | fluroxypyr | Whole | 0.01 | 0.2 | 167 | 0 | 0 | | fomesafen | Whole | 0.01 | not set | 167 | - | - | | glufosinate | Whole | 0.01 | 0.1 | 74 | 0 | 0 | | glyphosate | Whole | 0.01 | 0.1 | 74 | 4 | 2 | | halauxifen-methyl | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | halosulfuron-methyl | Whole | 0.01 | not set | 167 | - | - | | haloxyfop | Whole | 0.005 | not set | 74 | - | - | | imazamox | Whole | 0.01 | not set | 18 | - | - | | imazapic | Whole | 0.01 | 0.05 | 18 | 0 | 0 | | imazapyr | Whole | 0.01 | 0.1 | 18 | 0 | 0 | | imazaquin | Whole | 0.01 | not set | 18 | - | - | | imazethapyr | Whole | 0.01 | not set | 18 | - | - | | iodosulfuron-methyl | Whole | 0.01 | not set | 167 | - | - | | ioxynil | Whole | 0.01 | not set | 167 | - | - | | isoxaben | Whole | 0.01 | not set | 167 | - | - | | isoxaflutole | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | linuron | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | MCPA | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | MCPB | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | mefenpyr-diethyl | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | mesotrione | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | metamitron | Whole | 0.01 | not set | 167 | - | - | | metazachlor | Whole | 0.01 | 0.03 | 167 | 0 | 0 | | methabenzthiazuron | Whole | 0.01 | not set | 167 | - | - | | metolachlor | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | metosulam | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | metribuzin | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | metsulfuron-methyl | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | napropamide | Whole | 0.01 | not set | 167 | - | - | | norflurazon | Whole | 0.01 | not set | 167 | - | - | | oryzalin | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | oxyfluorfen | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | paraquat | Whole | 0.01 | 0.05 | 74 | 0 | 0 | | pendimethalin | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | picloram | Whole | 0.01 | 0.2 | 167 | 0 | 0 | | picolinafen | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | pinoxaden (parent) | Whole | 0.01 | not set | 167 | - | - | | prometryn | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | propachlor | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | propaquizafop | Whole | 0.01 | not set | 74 | - | - | | propyzamide | Whole | 0.01 | not set | 167 | - | - | | prosulfocarb | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | pyraflufen-ethyl | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | pyrasulfotole | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | pyroxasulfone | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | pyroxsulam | Whole | 0.01 | not set | 167 | - | - | | quizalofop-ethyl | Whole | 0.01 | not set | 74 | - | - | | quizalofop-P-tefuryl | Whole | 0.01 | not set | 74 | - | - | | saflufenacil | Whole | 0.01 | 0.2 | 167 | 0 | 0 | | sethoxydim | Whole | 0.01 | not set | 167 | - | - | | simazine | Whole | 0.01 | not set | 167 | - | - | | sulfosulfuron | Whole | 0.01 | not set | 167 | - | - | | terbuthylazine | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | terbutryn | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | tiafenacil | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | topramezone | Whole | 0.01 | not set | 167 | - | - | | tralkoxydim | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | triallate | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | triasulfuron | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | tribenuron-methyl | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | triclopyr | Whole | 0.01 | not set | 167 | - | - | | trifludimoxazin | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | trifluralin | Whole | 0.01 | 0.05 | 167 | 0 | 0 | |  | | | | | | | |  |  |  |  |  |  |  | | **Table 4: INSECTICIDES** | | | | | | | | **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of samples tested** | **>½MRL to ≤MRL** | **>MRL** | | abamectin | Whole | 0.01 | not set | 167 | - | - | | acephate | Whole | 0.01 | not set | 167 | - | - | | acetamiprid | Whole | 0.01 | not set | 167 | - | - | | aldicarb | Whole | 0.01 | not set | 167 | - | - | | amitraz | Whole | 0.01 | not set | 167 | - | - | | azamethiphos | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | azinphos-methyl | Whole | 0.01 | not set | 167 | - | - | | bifenazate | Whole | 0.01 | not set | 167 | - | - | | bifenthrin | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | bioresmethrin | Whole | 0.01 | not set | 167 | - | - | | buprofezin | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | cadusafos | Whole | 0.01 | not set | 167 | - | - | | carbaryl | Whole | 0.01 | 5 | 167 | 0 | 0 | | carbofuran | Whole | 0.01 | not set | 167 | - | - | | chlorantraniliprole | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | chlorfenapyr | Whole | 0.01 | not set | 167 | - | - | | chlorfenvinphos | Whole | 0.01 | not set | 167 | - | - | | chlorpyrifos | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | chlorpyrifos-methyl | Whole | 0.01 | 10 | 167 | 0 | 0 | | clofentezine | Whole | 0.01 | not set | 167 | - | - | | clothianidin | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | cyantraniliprole | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | cyfluthrin | Whole | 0.01 | not set | 167 | - | - | | cyhalothrin | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | cypermethrin | Whole | 0.01 | 1 | 167 | 0 | 0 | | deltamethrin | Whole | 0.01 | 2 | 167 | 0 | 0 | | diafenthiuron | Whole | 0.01 | not set | 167 | - | - | | diazinon | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | dichlorvos | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | dicofol | Whole | 0.01 | not set | 167 | - | - | | diflubenzuron | Whole | 0.01 | not set | 167 | - | - | | dimethoate | Whole | 0.01 | 0.5 | 167 | 0 | 0 | | dinotefuran | Whole | 0.01 | not set | 167 | - | - | | disulfoton | Whole | 0.01 | not set | 167 | - | - | | emamectin | Whole | 0.01 | not set | 167 | - | - | | ethion | Whole | 0.01 | not set | 167 | - | - | | ethoprophos | Whole | 0.005 | not set | 167 | - | - | | etoxazole | Whole | 0.01 | not set | 167 | - | - | | fenamiphos | Whole | 0.01 | not set | 167 | - | - | | fenbutatin oxide | Whole | 0.01 | not set | 167 | - | - | | fenitrothion | Whole | 0.01 | 10 | 167 | 0 | 0 | | fenoxycarb | Whole | 0.01 | not set | 167 | - | - | | fenpyroximate | Whole | 0.01 | not set | 167 | - | - | | fenthion | Whole | 0.01 | not set | 167 | - | - | | fenvalerate | Whole | 0.01 | 2 | 167 | 0 | 0 | | fipronil | Whole | 0.002 | not set | 167 | - | - | | flonicamid | Whole | 0.01 | not set | 167 | - | - | | fluensulfone | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | flupyradifurone | Whole | 0.01 | 0.2 | 167 | 0 | 0 | | hexythiazox | Whole | 0.01 | not set | 167 | - | - | | imidacloprid | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | indoxacarb | Whole | 0.01 | not set | 167 | - | - | | malathion | Whole | 0.01 | 8 | 167 | 0 | 0 | | methacrifos | Whole | 0.01 | not set | 167 | - | - | | methamidophos | Whole | 0.01 | not set | 167 | - | - | | methidathion | Whole | 0.01 | not set | 167 | - | - | | methiocarb | Whole | 0.01 | not set | 167 | - | - | | methomyl | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | methoprene | Whole | 0.01 | 2 | 167 | 0 | 0 | | methoxychlor | Whole | 0.01 | not set | 167 | - | - | | methoxyfenozide | Whole | 0.01 | not set | 167 | - | - | | mevinphos | Whole | 0.01 | not set | 167 | - | - | | monocrotophos | Whole | 0.01 | not set | 167 | - | - | | omethoate | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | parathion | Whole | 0.01 | not set | 167 | - | - | | parathion-methyl | Whole | 0.01 | not set | 167 | - | - | | permethrin | Whole | 0.01 | 2 | 167 | 0 | 0 | | phenothrin | Whole | 0.01 | not set | 167 | - | - | | phorate | Whole | 0.01 | not set | 167 | - | - | | phosmet | Whole | 0.01 | 0.05 | 167 | 0 | 0 | | piperonyl butoxide | Whole | 0.01 | 20 | 167 | 0 | 0 | | pirimicarb | Whole | 0.01 | 0.02 | 167 | 0 | 0 | | pirimiphos-methyl | Whole | 0.01 | 7 | 167 | 0 | 0 | | profenofos | Whole | 0.01 | not set | 167 | - | - | | propargite | Whole | 0.01 | not set | 167 | - | - | | prothiofos | Whole | 0.01 | not set | 167 | - | - | | pymetrozine | Whole | 0.01 | not set | 167 | - | - | | pyrethrins | Whole | 0.01 | 3 | 167 | 0 | 0 | | pyriproxyfen | Whole | 0.01 | not set | 167 | - | - | | spinetoram | Whole | 0.01 | not set | 167 | - | - | | spinosad | Whole | 0.01 | 1 | 167 | 0 | 0 | | spirotetramat | Whole | 0.01 | not set | 167 | - | - | | sulfoxaflor | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | tau-fluvalinate | Whole | 0.01 | not set | 167 | - | - | | tebufenozide | Whole | 0.01 | not set | 167 | - | - | | tebufenpyrad | Whole | 0.01 | not set | 167 | - | - | | terbufos | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | tetradifon | Whole | 0.01 | not set | 167 | - | - | | tetraniliprole | Whole | 0.01 | not set | 102 | - | - | | thiacloprid | Whole | 0.01 | not set | 167 | - | - | | thiamethoxam | Whole | 0.01 | 0.01 | 167 | 0 | 0 | | thiodicarb | Whole | 0.01 | not set | 167 | - | - | | triazofos | Whole | 0.01 | not set | 167 | - | - | | trichlorfon | Whole | 0.01 | 0.1 | 167 | 0 | 0 | | triflumuron | Whole | 0.01 | 0.05 | 167 | 0 | 0 | |  | | | | | | | |  |  |  |  |  |  |  | | **Table 5: PHYSIOLOGICAL MODIFIER** | | | | | | | | **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of samples tested** | **>½MRL to ≤MRL** | **>MRL** | | forchlorfenuron | Whole | 0.01 | not set | 167 | - | - | | prohexadione-calcium | Whole | 0.01 | not set | 167 | - | - | | trinexapac-ethyl | Whole | 0.01 | 0.2 | 167 | 0 | 0 | |  | | | | | | | |  |  |  |  |  |  |  | | | | | |  |  |
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|  | |  | | --- | | **Department annual dataset 2023-24** | | | | |
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|  | |  | | --- | | About the data | | | | | | |
|  |  |  |  |  |  |  |
| |  | | --- | | **Purpose:**  The National Residue Survey (NRS) is a vital part of the Australian system for managing the risk of chemical residues and environmental contaminants in Australian animal and plant products. The NRS supports Australia’s primary producers and agricultural industries by confirming Australia’s status as a producer of clean food and facilitating access to domestic and export markets.  **The National Residue Survey annual dataset**report is a detailed report of residue testing results that is published to the department's website on an annual basis for public and industry consumption.  **Intended audience**:  The intended audience for this report is the National Residue Survey (NRS) section within the Residue and Food Branch.  This report supports the business area to deliver residue datasets to industry which details residue results.  **Key information:**  **Number of samples tested:**  ·     This value is the count of distinct samples taken. It includes only those physical samples which have been collected within the financial year. This includes samples which are 'overflow' samples: i.e. the samples exceed the plan target.  o    Note: although samples are taken within the financial year, some lab results may be reported later. This means that the **National Residue Survey annual summary** report cannot be finalised until all relevant lab results have been received.  ·     The number of samples tested includes samples which have complete analyses and are marked as complete in the NRS Integrated Management System (IMS). If a sample has had analysis completed but is later cancelled, it is not included in the sample count.  ·     In rare cases, samples are taken (collected) on an 'invalid date' which falls outside of the financial year for which the relevant sampling plan is active. For example, a scheduled sample is collected under a 2020-21 sampling plan, but it was recorded to be taken before the start of the 2020-21 financial year. These samples are considered invalid and are excluded from the count given by Number of samples tested.    **Samples > MRL:**  ·     Whether a sample is in contravention to an MRL is calculated relative to the Australian Maximum Residue Limits (MRL) that was active at the time the sample was taken (collected), according to records stored in the IMS source system.  o    The data model that underlies this report cleanses and corrects data quality issues with MRLs which are stored in the IMS source system. More information on this process including limitations and risks, can be found at the [model documentation](https://deptagriculture.sharepoint.com/teams/AG-OpenAnalytics/SitePages/National-residue-survey.aspx).  ·     Where there is no record found in the IMS source system for a particular MRL, but an MRL is expected, the absence is highlighted in **red** in the report. This allows for easy identification. The NRS business area should rectify missing records by adding a MRL into the IMS.    **Samples > LOR**:  ·     Whether a sample has returned a residue concentration result that is above the Limit of Reporting (LOR) is calculated relative to the relative LOR that was active at the time that the laboratory returned the sample results report, according to records stored in the IMS source system.  o    There is specific logic for choosing the relevant LOR to compare the result to for cases where the test method used by a laboratory tests for the presence of an analyte in its metabolite and/or parent compound form. See details at the [model documentation](https://deptagriculture.sharepoint.com/teams/AG-OpenAnalytics/SitePages/National-residue-survey.aspx).    **Sample programs, sampling plans and analysis programs:**  ·     The report presents a *default*selection of sample programs, sampling plans and analysis programs based on the following rules:  o    Include all non-pilot programs,  o    Include the following pilot sample programs: PILOT BEEF – DIOXINS, PILOT OVINE – DIOXINS, PILOT GOAT – DIOXINS  o    Excludes the following sample plans: Apple juice – patulin testing, Faba Bean Indonesia, Indonesia – Faba Bean  ·     Should this default selection no longer apply the user is able to custom-select their required parameters.    **Limitations:**  This report does not provide the ability to exclude samples that were collected and analysed under pilot programs established for individual products and analysis programs within a sampling plan. This approach to pilot program management affects the NRS Plant program only, and is not typically used in the NRS Animal program. As a result of this, NRS Plant program officers are required to manually analyse and revise the values for Samples collected that are presented in this report to remove pilot samples where appropriate.  **Key definitions:**  **Show empty analyte group:**This parameter allows the user to 'show/hide' Table 0 in the report. Table 0 shows compounds (analytes) which have not been assigned a [Reporting analyte group] in the reference datasets which is maintained by the National Residue Survey business area. If analytes appear in Table 0, the reference data list should be updated to include the analyte and assign it a reporting group.  **Select brochure:** This parameter lists brochure names for reportable products as they are recorded in the reference data which is maintained by the National Residue Survey business area. Specifically, it is a comprehensive list of brochures that are reportable in the given FY. To add new products to an existing brochure name, or to add a new brochure altogether, the reference data list should be updated.  **Financial year:** This filters data based on the date which samples were taken (collected).  **Data source(s):**  The data source for this report is the Biosecurity Analytics Centre's curated *National residue survey* model. The source system is the National Residue Survey Integrated Management System (IMS). The *National residue survey* model also contains reference data that is provided and maintained by the National Residue Survey business area.  Detailed information about the logic and curation used in the Biosecurity Analytics Centre's *National residue survey* model can be found at the [model documentation site](https://deptagriculture.sharepoint.com/teams/AG-OpenAnalytics/SitePages/National-residue-survey.aspx).  **Biosecurity Analytics Centre**  This report was produced by the Biosecurity Analytics Centre in accordance with the National Residue Survey Administration Act 1992.  The National Residue Survey Administration Act 1992 contains conditions on the release and use of information (refer to Section 11, [release of information](https://www.legislation.gov.au/Details/C2016C00910)). Breaches of these conditions may result in an offence under the Act.  Contact: [Biosecurity Analytics Centre](mailto:%20bac@agriculture.gov.au) | | | | | | |  |
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