

Analyte Residues for Pesticides in Infant Formula

This table is a list of analytes measured when testing 312 samples of infant formulas for pesticides in FY2023-2025 as part of a special survey. Analytes that are isomers or minor metabolites are represented by the pesticide common or trade names in the analytical results table.

| Analyte | MRC (Powder, Liquid) ng/g ^[a] |
|----------------------------|--|
| 2,3,5,6-Tetrachloroaniline | 5 |
| 2,6-Difluorobenzamide | 1 |
| 2,6-DIPN | <i>1</i> |
| 3-Hydroxycarbofuran | 1 |
| Abamectin | 1 |
| Acephate | 5 |
| Acetamiprid | 1 |
| Acetochlor | 1 |
| Acibenzolar-S-methyl | 10 |
| Alachlor | 5 |
| Aldicarb | 1 |
| Aldicarb sulfoxide | 1 |
| Aldoxycarb | 1 |
| Ametoctradin | 1 |
| Ametryn | 1 |
| Amicarbazone | 1 |
| Amisulbrom | 1 |
| Amitraz | <i>1</i> |
| Atrazine | 1 |
| Azamethiphos | 25 |
| Azinphos-methyl | 1 |
| Azoxystrobin | 1 |
| Benalaxyl | 1 |
| Bendiocarb | 1 |
| Benfluralin | 1 |
| Benthiavalicarb-isopropyl | 1 |
| Benzovindiflupyr | 1 |
| BHC, alpha | 1 |
| BHC, beta | 1 |

[a] Pesticide analyses were conducted using GC- and LC-tandem mass spectrometry. The Minimum Reporting Concentration (MRC) represents the lowest quantifiable concentration for each analyte, verified by fortification in infant formula powder, and ranges from 1 ug/kg to 25 ug/kg, with the exception of pesticides with MRC values in italics, which are limited to identifying whether the pesticide is present and do not provide a quantitative measurement. Reported concentrations in samples may be observed below the MRC values because MRC values are established for the product as sold, while the reported concentrations reflect the prepared for feeding form.

| Analyte | MRC (Powder, Liquid) ng/g^[a] |
|---------------------|--|
| BHC, delta | 1 |
| Bicyclopyrone | 25 |
| Bifenazate | 1 |
| Bifenthrin | 1 |
| Bitertanol | 1 |
| Bixafen | 1 |
| Boscalid | 1 |
| Bromopropylate | 1 |
| Bromuconazole | 1 |
| Bupirimate | 1 |
| Buprofezin | 1 |
| Butachlor | 1 |
| Cadusafos | 1 |
| Carbaryl | 1 |
| Carbendazim | 1 |
| Carbetamide | 1 |
| Carbofuran | 1 |
| Carbosulfan | 1 |
| Carboxin | 1 |
| Chlorantraniliprole | 1 |
| Chlordane | 1 |
| Chlorfenapyr | 1 |
| Chlorfenvinphos | 1 |
| Chlorfluazuron | 1 |
| Chlorimuron-ethyl | 5 |
| Chlorotoluron | 1 |
| Chlorpropham | 1 |
| Chlorpyrifos | 1 |
| Chlorpyrifos methyl | 1 |
| Chromafenozide | 1 |
| Clethodim | 5 |
| Clofentezine | 1 |
| Clothianidin | 1 |
| Coumaphos | 1 |
| Cyantraniliprole | 1 |
| Cyazofamid | 10 |
| Cycloate | 1 |
| Cyflufenamid | 1 |
| Cyflumetofen | 1 |
| Cyfluthrin | 1 |
| Cymoxanil | 1 |
| Cypermethrin | 1 |
| Cyproconazole | 1 |
| Cyprodinil | 1 |
| Cyromazine | 1 |

| Analyte | MRC (Powder, Liquid) ng/g^[a] |
|--------------------|--|
| DCPA | 1 |
| DDE, o,p'- | 1 |
| DDE, p,p'- | 1 |
| DDT, o,p'- | 1 |
| DDT, p,p'- | 1 |
| DEF/Tribufos | 1 |
| Deltamethrin | 5 |
| Desmedipham | 1 |
| Diazinon | 1 |
| Dichlobenil | 1 |
| Dichlorvos | 5 |
| Dicloran | 1 |
| Dicofol | 1 |
| Dicrotophos | 1 |
| Dieldrin | 1 |
| Diethofencarb | 1 |
| Difenoconazole | 1 |
| Diflovidazin | 5 |
| Diflubenzuron | 1 |
| Dimethachlor | 1 |
| Dimethoate | 1 |
| Dimethomorph | 1 |
| Dimoxystrobin | 1 |
| Diniconazole | 1 |
| Dinotefuran | 1 |
| Dioxacarb | 1 |
| Diphenylamine | 1 |
| Dithianon | 1 |
| Diuron | 1 |
| Emamectin benzoate | 1 |
| Endosulfan Sulfate | 1 |
| Endosulfan I | 5 |
| Endosulfan II | 1 |
| Endrin | 1 |
| EPN | 1 |
| Epoconazole | 1 |
| Ethaboxam | 1 |
| Ethiolate | 1 |
| Ethion | 1 |
| Ethiprole | 1 |
| Ethirimol | 5 |
| Ethofumesate | 1 |
| Ethoprop | 1 |
| Ethoxyquin | 1 |
| Etofenprox | 1 |

| Analyte | MRC (Powder, Liquid) ng/g^[a] |
|----------------------|--|
| Etoazole | 1 |
| Famoxadone | 1 |
| Fenamidone | 1 |
| Fenamiphos | 1 |
| Fenamiphos Sulfone | 1 |
| Fenamiphos Sulfoxide | 1 |
| Fenarimol | 1 |
| Fenazaquin | 1 |
| Fenbuconazole | 1 |
| Fenbutatin oxide | 1 |
| Fenhexamid | 5 |
| Fenitrothion | 1 |
| Fenobucarb (BPMC) | 1 |
| Fenoxycarb | 1 |
| Fenpropathrin | 1 |
| Fenpropidin | 1 |
| Fenpropimorph | 1 |
| Fenpyrazamine | 1 |
| Fenpyroximate, e- | 1 |
| Fenthion | 1 |
| Fenuron | 1 |
| Fenvalerate | 1 |
| Ferimzone | 1 |
| Fipronil | 1 |
| Flonicamid | 1 |
| Fluacrypyrim | 1 |
| Flubendiamide | 1 |
| Flucycloxuron | 1 |
| Flucythrinate | 1 |
| Fludioxonil | 1 |
| Fluensulfone | 1 |
| Flufenoxuron | 1 |
| Flumetsulam | 10 |
| Flumioxazin | 1 |
| Fluopicolide | 1 |
| Fluopyram | 1 |
| Fluoxastrobin | 1 |
| Flupyradifurone | 1 |
| Fluquinconazole | 1 |
| Fluridone | 1 |
| Flusilazole | 1 |
| Flutolanil | 1 |
| Flutriafol | 1 |
| Fluvalinate | 1 |
| Fluxapyroxad | 1 |

| Analyte | MRC (Powder, Liquid) ng/g^[a] |
|--------------------|--|
| Fomesafen | 1 |
| Forchlorfenuron | 1 |
| Formetanate | 1 |
| Fosthiazate | 1 |
| Fuberidazole | 1 |
| Glufosinate | 10 |
| Glyphosate | 10 |
| Halofenozide | 1 |
| Heptachlor | 1 |
| Hexachlorobenzene | 1 |
| Hexaconazole | 1 |
| Hexaflumuron | 1 |
| Hexazinone | 1 |
| Hexythiazox | 1 |
| IBP | 1 |
| Imazalil | 1 |
| Imidacloprid | 1 |
| Indaziflam | 1 |
| Indoxacarb | 1 |
| Iprodione | 1 |
| Iprovalicarb | 1 |
| Isocarbophos | 1 |
| Isofetamid | 1 |
| Isoprocarb | 1 |
| Isoprothiolane | 1 |
| Isopyrazam | 1 |
| Isotianil | 25 |
| Ivermectin | 1 |
| Karbutilate | 1 |
| Kresoxim-methyl | 1 |
| Lambda-cyhalothrin | 1 |
| Lindane | 1 |
| Linuron | 1 |
| Lufenuron | 1 |
| Malathion | 1 |
| Mandestrobin | 1 |
| Mandipropamid | 1 |
| Mepanipyrim | 1 |
| Mepronil | 1 |
| Metaflumizone | 1 |
| Metalaxyl | 1 |
| Metconazole | 1 |
| Methamidophos | 1 |
| Methidathion | 1 |
| Methiocarb | 1 |

| Analyte | MRC (Powder, Liquid) ng/g^[a] |
|-------------------------|--|
| Methomyl | 1 |
| Methoprene | 10 |
| Methoxychlor | 1 |
| Methoxyfenozide | 1 |
| Metolachlor | 1 |
| Metominostrobin | 1 |
| Metoxuron | 1 |
| Metrafenone | 1 |
| Metribuzin | 1 |
| Metsulfuron methyl | 5 |
| Mevinphos | 1 |
| MGK 264 | 1 |
| Monocrotophos | 1 |
| Moxidectin | 1 |
| Myclobutanil | 1 |
| N-acetylglyphosate | 25 |
| Napropamide | 1 |
| Nitenpyram | 1 |
| Novaluron | 1 |
| Noviflumuron | 1 |
| Nuarimol | 1 |
| Omethoate | 5 |
| Orysastrobin | 1 |
| Oxadiazon | 1 |
| Oxadixyl | 1 |
| Oxamyl | 1 |
| Oxathiapiprolin | 1 |
| Oxyfluorfen | 1 |
| Paclobutrazol | 1 |
| Parathion | 1 |
| Parathion methyl | 1 |
| Penconazole | 1 |
| Pencycuron | 1 |
| Pendimethalin | 1 |
| Penflufen | 1 |
| Pentachloroaniline | 1 |
| Pentachloroanisole | 1 |
| Pentachlorobenzene | 1 |
| Pentachlorobenzonitrile | 1 |
| Pentachlorothioanisole | 1 |
| Penthiopyrad | 1 |
| Permethrin, cis- | 1 |
| Permethrin, trans- | 1 |
| Phenmedipham | 1 |
| Phenthoate | 1 |

| Analyte | MRC (Powder, Liquid) ng/g^[a] |
|--------------------|--|
| Phenylphenol, o- | 1 |
| Phorate | 1 |
| Phorate Sulfone | 1 |
| Phosalone | 10 |
| Phosmet | 1 |
| Phoxim | 1 |
| Picoxystrobin | 1 |
| Piperonyl butoxide | 1 |
| Pirimicarb | 1 |
| Pirimiphos methyl | 1 |
| Prochloraz | 1 |
| Procymidone | 1 |
| Profenofos | 1 |
| Prometryn | 1 |
| Pronamide | 1 |
| Propamocarb | 1 |
| Propanil | 1 |
| Propargite | 1 |
| Propiconazole | 1 |
| Propoxur | 1 |
| Propoxycarbazon | 1 |
| Proquinazid | 25 |
| Prothiofos | 1 |
| Pymetrozine | 1 |
| Pyraclostrobin | 1 |
| Pyribencarb | 1 |
| Pyridaben | 1 |
| Pyrifenox | 1 |
| Pyrifluquinazon | 5 |
| Pyrimethanil | 1 |
| Pyriofenone | 1 |
| Pyriproxyfen | 1 |
| Pyroquilon | 1 |
| Pyroxasulfone | 1 |
| Quinalphos | 1 |
| Quinoxifen | 5 |
| Quintozene | 1 |
| Resmethrin | 1 |
| Rotenone | 1 |
| Saflufenacil | 1 |
| Sedaxane | 1 |
| Simazine | 1 |
| Spinetoram | 1 |
| Spinosad | 5 |
| Spiromesifen | 1 |

| Analyte | MRC (Powder, Liquid) ng/g^[a] |
|-----------------------------|--|
| Spirotetramat | 5 |
| Spiroxamine | 1 |
| Sulfoxaflor | 1 |
| Tebuconazole | 1 |
| Tebufenozide | 1 |
| Tebufenpyrad | 1 |
| Tecnazene | 1 |
| Teflubenzuron | 1 |
| Temephos | 1 |
| Tepraloxymid | 5 |
| Terbutylazine | 1 |
| Tetrachlorvinphos (Gardona) | 1 |
| Tetraconazole | 1 |
| Tetradifon | 1 |
| Tetramethrin | 1 |
| Thiabendazole | 1 |
| Thiacloprid | 1 |
| Thiamethoxam | 1 |
| Thidiazuron | 1 |
| Thifluzamide | 5 |
| Thiobencarb | 1 |
| Thiodicarb | 1 |
| Thiophanate-methyl | 1 |
| THPI | 1 |
| Tolclofos methyl | 1 |
| Tolfenpyrad | 1 |
| Tolpyralate | 1 |
| Tolyfluanid | 1 |
| Triadimefon | 1 |
| Tri-allate | 1 |
| Triazophos | 1 |
| Trichlorfon | 5 |
| Tricyclazole | 1 |
| Tridemorph | 1 |
| Trifloxystrobin | 1 |
| Triflumizole | 1 |
| Triflumuron | 1 |
| Trifluralin | 1 |
| Triforine | 1 |
| Valifenalate | 1 |
| Vinclozolin | 1 |
| Zoxamide | 1 |