Analytical Results for Pesticides in Infant Formula

The data in this table represent 104 samples of powder infant formulas tested for 323 pesticides in F

Pesticide[a]	Sample Number	Pesticide Concentration (ppb)[b]
2,6-DIPN	all	<MRC
Abamectin	all	<MRC
Acephate	all	<MRC
Acetamiprid	all	<MRC
Acetochlor	all	<MRC
Acibenzolar-S-methyl	all	<MRC
Alachlor	all	<MRC
Aldicarb	all	<MRC
Ametoctradin	all	<MRC
Ametryn	all	<MRC
Amicarbazone	all	<MRC
Amisulbrom	all	<MRC
Amitraz	all	<MRC
Atrazine	all	<MRC
Azamethiphos	all	<MRC
Azinphos-methyl	all	<MRC
Azoxystrobin	all	<MRC
Benalaxyl	all	<MRC
Bendiocarb	all	<MRC
Benfluralin	all	<MRC
Benthiavalicarb-isopropyl	all	<MRC
Benzovindiflupyr	all	<MRC
BHC	all	<MRC
Bicyclopyrone	all	<MRC
Bifenazate	all	<MRC
Bifenthrin	all	<MRC
Bitertanol	all	<MRC
Bixafen	all	<MRC
Boscalid	all	<MRC
Bromopropylate	all	<MRC
Bromuconazole	all	<MRC
Bupirimate	all	<MRC
Buprofezin	all	<MRC
Butachlor	all	<MRC
Cadusafos	all	<MRC
Carbaryl	all	<MRC
Carbendazim	all	<MRC
Carbetamide	all	<MRC
Carbofuran	all	<MRC
Carbosulfan	all	<MRC

Pesticide[a]	Sample Number	Pesticide Concentration (ppb)[b]
Carboxin	all	<MRC
Chlorantraniliprole	all	<MRC
Chlordane	all	<MRC
Chlorfenapyr	all	<MRC
Chlorfenvinphos	all	<MRC
Chlorfluazuron	all	<MRC
Chlorimuron-ethyl	all	<MRC
Chlorothalonil	all	<MRC
Chlorotoluron	all	<MRC
Chlorpropham	all	<MRC
Chlorpyrifos	all	<MRC
Chlorpyrifos methyl	all	<MRC
Chromafenozide	all	<MRC
Clethodim	all	<MRC
Clofentezine	all	<MRC
Clothianidin	all	<MRC
Coumaphos	all	<MRC
Cyantraniliprole	all	<MRC
Cyazofamid	all	<MRC
Cycloate	all	<MRC
Cyflufenamid	all	<MRC
Cyflumetofen	all	<MRC
Cyfluthrin	all	<MRC
Cymoxanil	all	<MRC
Cypermethrin	all	<MRC
Cyproconazole	all	<MRC
Cyprodinil	all	<MRC
Cyromazine	all	<MRC
DCPA	all	<MRC
DDT	all	<MRC
DEF/Tribufos	all	<MRC
Deltamethrin	all	<MRC
Desmedipham	all	<MRC
Diazinon	all	<MRC
Dichlobenil	all	<MRC
Dichlofluanid	all	<MRC
Dichlorvos	all	<MRC
Dicloran	all	<MRC
Dicofol	all	<MRC
Dicrotophos	all	<MRC
Dieldrin	all	<MRC
Diethofencarb	all	<MRC
Difenoconazole	all	<MRC

Pesticide[a]	Sample Number	Pesticide Concentration (ppb)[b]
Diflovidazin	all	<MRC
Diflubenzuron	all	<MRC
Dimethachlor	all	<MRC
Dimethoate	all	<MRC
Dimethomorph	all	<MRC
Dimoxystrobin	all	<MRC
Diniconazole	all	<MRC
Dinotefuran	all	<MRC
Dioxacarb	all	<MRC
Diphenylamine	all	<MRC
Dithianon	all	<MRC
Diuron	all	<MRC
Emamectin benzoate	all	<MRC
Endosulfan	all	<MRC
Endrin	all	<MRC
EPN	all	<MRC
Epoxiconazole	all	<MRC
Ethaboxam	all	<MRC
Ethiolate	all	<MRC
Ethion	all	<MRC
Ethiprole	all	<MRC
Ethirimol	all	<MRC
Ethofumesate	all	<MRC
Ethoprop	all	<MRC
Ethoxyquin	all	<MRC
Etofenprox	all	<MRC
Etoxazole	all	<MRC
Famoxadone	all	<MRC
Fenamidone	all	<MRC
Fenamiphos	all	<MRC
Fenarimol	all	<MRC
Fenazaquin	all	<MRC
Fenbuconazole	all	<MRC
Fenbutatin oxide	all	<MRC
Fenhexamid	all	<MRC
Fenitrothion	all	<MRC
Fenobucarb (BPMC)	all	<MRC
Fenoxycarb	all	<MRC
Fenpropathrin	all	<MRC
Fenpropidin	all	<MRC
Fenpropimorph	all	<MRC
Fenpyrazamine	all	<MRC
Fenpyroximate, e-	all	<MRC
Fenthion	all	<MRC

Pesticide[a]	Sample Number	Pesticide Concentration (ppb)[b]
Fenuron	all	<MRC
Fenvalerate	all	<MRC
Ferimzone	all	<MRC
Fipronil	all	<MRC
Flonicamid	all	<MRC
Fluacrypyrim	all	<MRC
Flubendiamide	all	<MRC
Flucycloxuron	all	<MRC
Flucythrinate	all	<MRC
Fludioxonil	all	<MRC
Fluensulfone	all	<MRC
Flufenoxuron	all	<MRC
Flumetsulam	all	<MRC
Flumioxazin	all	<MRC
Fluopicolide	all	<MRC
Fluopyram	all	<MRC
Fluoxastrobin	all	<MRC
Flupyradifurone	all	<MRC
Fluquinconazole	all	<MRC
Fluridone	all	<MRC
Flusilazole	all	<MRC
Flutolanil	all	<MRC
Flutriafol	all	<MRC
Fluvalinate	all	<MRC
Fluxapyroxad	all	<MRC
Folpet	all	<MRC
Fomesafen	all	<MRC
Forchlorfenuron	all	<MRC
Formetanate	all	<MRC
Fosthiazate	all	<MRC
Fuberidazole	all	<MRC
Glufosinate	all	<MRC
Glyphosate	all	<MRC
Halofenozide	all	<MRC
Heptachlor	all	<MRC
Hexaconazole	all	<MRC
Hexaflumuron	all	<MRC
Hexazinone	all	<MRC
Hexythiazox	all	<MRC
IBP	all	<MRC
Imazalil	all	<MRC
Imidacloprid	all	<MRC
Indaziflam	all	<MRC
Indoxacarb	all	<MRC

Pesticide[a]	Sample Number	Pesticide Concentration (ppb)[b]
Iprodione	all	<MRC
Iprovalicarb	all	<MRC
Isocarbophos	all	<MRC
Isofetamid	all	<MRC
Isoprocarb	all	<MRC
Isoprothiolane	all	<MRC
Isopyrazam	all	<MRC
Isotianil	all	<MRC
Ivermectin	all	<MRC
Karbutilate	all	<MRC
Kresoxim-methyl	all	<MRC
Lambda-cyhalothrin	all	<MRC
Lindane	all	<MRC
Linuron	all	<MRC
Lufenuron	all	<MRC
Malathion	all	<MRC
Mandestrobin	all	<MRC
Mandipropamid	all	<MRC
Mepanipyrim	all	<MRC
Mepronil	all	<MRC
Metaflumizone	all	<MRC
Metalaxyl	all	<MRC
Metconazole	all	<MRC
Methamidophos	all	<MRC
Methidathion	all	<MRC
Methiocarb	all	<MRC
Methomyl	all	<MRC
Methoprene	all	<MRC
Methoxychlor	all	<MRC
Methoxyfenozide	all	<MRC
Metolachlor	all	<MRC
Metominostrobin	all	<MRC
Metoxuron	all	<MRC
Metrafenone	all	<MRC
Metribuzin	all	<MRC
Metsulfuron methyl	all	<MRC
Mevinphos	all	<MRC
MGK 264	all	<MRC
Monocrotophos	all	<MRC
Moxidectin	all	<MRC
Myclobutanil	all	<MRC
Napropamide	all	<MRC
Nitenpyram	all	<MRC
Novaluron	all	<MRC

Pesticide[a]	Sample Number	Pesticide Concentration (ppb)[b]
Noviflumuron	all	<MRC
Nuarimol	all	<MRC
Omethoate	all	<MRC
Orysastrobin	all	<MRC
Oxadiazon	all	<MRC
Oxadixyl	all	<MRC
Oxamyl	all	<MRC
Oxathiapiprolin	all	<MRC
Oxyfluorfen	all	<MRC
Paclobutrazol	all	<MRC
Parathion	all	<MRC
Parathion methyl	all	<MRC
Penconazole	all	<MRC
Pencycuron	all	<MRC
Pendimethalin	all	<MRC
Penflufen	all	<MRC
Penthiopyrad	all	<MRC
Permethrin	all	<MRC
Phenmedipham	all	<MRC
Phenthoate	all	<MRC
Phenylphenol, o-	all	<MRC
Phorate	all	<MRC
Phosalone	all	<MRC
Phosmet	all	<MRC
Phoxim	all	<MRC
Picoxystrobin	all	<MRC
Piperonyl butoxide	all	<MRC
Pirimicarb	all	<MRC
Pirimiphos methyl	all	<MRC
Prochloraz	all	<MRC
Procymidone	all	<MRC
Profenofos	all	<MRC
Prometryn	all	<MRC
Pronamide	all	<MRC
Propamocarb	all	<MRC
Propanil	all	<MRC
Propargite	all	<MRC
Propiconazole	all	<MRC
Propoxur	all	<MRC
Propoxycarbazone	all	<MRC
Proquinazid	all	<MRC
Prothiofos	all	<MRC
Pymetrozine	all	<MRC
Pyraclostrobin	all	<MRC

Pesticide[a]	Sample Number	Pesticide Concentration (ppb)[b]
Pyribencarb	all	<MRC
Pyridaben	all	<MRC
Pyridalyl	all	<MRC
Pyrifenox	all	<MRC
Pyrifluquinazon	all	<MRC
Pyrimethanil	all	<MRC
Pyriofenone	all	<MRC
Pyriproxyfen	all	<MRC
Pyroquilon	all	<MRC
Pyroxasulfone	all	<MRC
Quinalphos	all	<MRC
Quinoxyfen	all	<MRC
Quintozene	all	<MRC
Resmethrin	all	<MRC
Rotenone	all	<MRC
Saflufenacil	all	<MRC
Sedaxane	all	<MRC
Simazine	all	<MRC
Spinetoram	all	<MRC
Spinosad	all	<MRC
Spirodiclofen	all	<MRC
Spiromesifen	all	<MRC
Spirotetramat	all	<MRC
Spiroxamine	all	<MRC
Sulfoxaflor	all	<MRC
Tebuconazole	all	<MRC
Tebufenozide	all	<MRC
Tebufenpyrad	all	<MRC
Tecnazene	all	<MRC
Teflubenzuron	all	<MRC
Temephos	all	<MRC
Tepraloxydim	all	<MRC
Terbuthylazine	all	<MRC
Tetrachlorvinphos (Gardona)	all	<MRC
Tetraconazole	all	<MRC
Tetradifon	all	<MRC
Tetramethrin	all	<MRC
Thiabendazole	all	<MRC
Thiacloprid	all	<MRC
Thiamethoxam	all	<MRC
Thidiazuron	all	<MRC
Thifluzamide	all	<MRC
Thiobencarb	all	<MRC

Pesticide[a]	Sample Number	Pesticide Concentration (ppb)[b]
Thiodicarb	all	<MRC
Thiophanate-methyl	all	<MRC
THPI	all	<MRC
Tolclofos methyl	all	<MRC
Tolfenpyrad	all	<MRC
Tolpyralate	all	<MRC
Tolylfluanid	all	<MRC
Triadimefon	all	<MRC
Tri-allate	all	<MRC
Triazophos	all	<MRC
Trichlorfon	all	<MRC
Tricyclazole	all	<MRC
Tridemorph	all	<MRC
Trifloxystrobin	all	<MRC
Triflumizole	all	<MRC
Triflumuron	all	<MRC
Trifluralin	all	<MRC
Triforine	all	<MRC
Valifenalate	all	<MRC
Vinclozolin	all	<MRC
Zoxamide	all	<MRC

[a] Pesticides are listed by their common or trade name. The analytical methods used for testing alsc

[b] Powder formulas were analyzed as sold. Results are reported as sold in parts per billion (ppb).

[c] Pesticide analyses were conducted using GC- and LC-tandem mass spectrometry. The Minimum R represents the lowest quantifiable concentration for each analyte, verified by fortification in infant fc from 1 µg/kg to 25 µg/kg based on analysis of the product as sold. Whole versus non-whole milk is di analysis due to the need to establish different MRCs for the different fat content for pesticide analys contain natural cow milk fat. Regular (skim) cow milk products have had cow milk fat removed.

[d] At the stated level, the analysis is limited to identifying whether the pesticide is present and does measurement.

Analytical Results for Pesticides in Infant Formula

Of 104 samples of powder infant formula tested for 323 pesticides, no pesticides were observed above the Minimum Reporting Concentration (MRC). These data were collected in FY2026 as part of the 2025 Supplemental Survey.

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 µg/kg to 25 µg/kg based on analysis of the product as sold.

Analytical Results for Pesticides in Infant Formula

The data in this table represent 104 samples of powder infant formulas tested for 323 pesticides in FY 2026 as part of the 2025 Supplemental Survey.

Sample Number	Simplified Product Label	Pesticide Name	Pesticide Concentration[a], [b]
2	Infant formula, Powder, Whole Cow Milk-based[c]	all	<MRC
3	Infant formula, Powder, Goat Milk-based	all	<MRC
4	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
5	Infant formula, Powder, Goat Milk-based	all	<MRC
6	Infant formula, Powder, Cow Milk-based	all	<MRC
7	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
8	Infant formula, Powder, Goat Milk-based	all	<MRC
9	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
10	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
11	Infant formula, Powder, Goat Milk-based	all	<MRC
12	Infant formula, Powder, Goat Milk-based	all	<MRC
13	Infant formula, Powder, Goat Milk-based	all	<MRC
14	Infant formula, Powder, Cow Milk-based	all	<MRC
15	Infant formula, Powder, Cow Milk-based	all	<MRC
16	Infant formula, Powder, Cow Milk-based	all	<MRC
17	Infant formula, Powder, Goat Milk-based	all	<MRC
19	Infant formula, Powder, Cow Milk-based	all	<MRC
21	Infant formula, Powder, Goat Milk-based	all	<MRC
22	Infant formula, Powder, Cow Milk-based	all	<MRC
25	Infant formula, Powder, Goat Milk-based	all	<MRC
26	Infant formula, Powder, Cow Milk-based	all	<MRC
27	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
30	Infant formula, Powder, Cow Milk-based	all	<MRC
31	Infant formula, Powder, Goat Milk-based	all	<MRC
32	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
33	Infant formula, Powder, Goat Milk-based	all	<MRC
34	Infant formula, Powder, Cow Milk-based	all	<MRC
36	Infant formula, Powder, Goat Milk-based	all	<MRC
37	Infant formula, Powder, Cow Milk-based	all	<MRC
38	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
39	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
40	Infant formula, Powder, Goat Milk-based	all	<MRC
47	Infant formula, Powder, Goat Milk-based	all	<MRC
49	Infant formula, Powder, Goat Milk-based	all	<MRC
50	Infant formula, Powder, Cow Milk-based	all	<MRC
51	Infant formula, Powder, Goat Milk-based	all	<MRC
52	Infant formula, Powder, Goat Milk-based	all	<MRC
55	Infant formula, Powder, Goat Milk-based	all	<MRC
56	Infant formula, Powder, Cow Milk-based	all	<MRC
57	Infant formula, Powder, Cow Milk-based	all	<MRC
62	Infant formula, Powder, Goat Milk-based	all	<MRC
63	Infant formula, Powder, Goat Milk-based	all	<MRC
64	Infant formula, Powder, Cow Milk-based	all	<MRC
65	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
66	Infant formula, Powder, Goat Milk-based	all	<MRC
67	Infant formula, Powder, Cow Milk-based	all	<MRC
68	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
69	Infant formula, Powder, Cow Milk-based	all	<MRC
77	Infant formula, Powder, Cow Milk-based	all	<MRC
78	Infant formula, Powder, Goat Milk-based	all	<MRC
79	Infant formula, Powder, Goat Milk-based	all	<MRC
80	Infant formula, Powder, Goat Milk-based	all	<MRC
81	Infant formula, Powder, Goat Milk-based	all	<MRC
84*	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
85*	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
86*	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
87*	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
90*	Infant formula, Powder, Goat Milk-based	all	<MRC
91*	Infant formula, Powder, Goat Milk-based	all	<MRC
92*	Infant formula, Powder, Goat Milk-based	all	<MRC
93*	Infant formula, Powder, Goat Milk-based	all	<MRC
94*	Infant formula, Powder, Goat Milk-based	all	<MRC
95*	Infant formula, Powder, Cow Milk-based	all	<MRC
97*	Infant formula, Powder, Cow Milk-based	all	<MRC
98*	Infant formula, Powder, Cow Milk-based	all	<MRC
99*	Infant formula, Powder, Cow Milk-based	all	<MRC
100	Infant formula, Powder, Cow Milk-based	all	<MRC

Sample Number	Simplified Product Label	Pesticide Name	Pesticide Concentration[a], [b]
101	Infant formula, Powder, Cow Milk-based	all	<MRC
102	Infant formula, Powder, Goat Milk-based	all	<MRC
103	Infant formula, Powder, Goat Milk-based	all	<MRC
104	Infant formula, Powder, Goat Milk-based	all	<MRC
105	Infant formula, Powder, Goat Milk-based	all	<MRC
110	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
111	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
112	Infant formula, Powder, Cow Milk-based	all	<MRC
113	Infant formula, Powder, Cow Milk-based	all	<MRC
114	Infant formula, Powder, Cow Milk-based	all	<MRC
115	Infant formula, Powder, Goat Milk-based	all	<MRC
116	Infant formula, Powder, Goat Milk-based	all	<MRC
121	Infant formula, Powder, Goat Milk-based	all	<MRC
123	Infant formula, Powder, Goat Milk-based	all	<MRC
126	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
131	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
132	Infant formula, Powder, Cow Milk-based	all	<MRC
133	Infant formula, Powder, Goat Milk-based	all	<MRC
134	Infant formula, Powder, Goat Milk-based	all	<MRC
135	Infant formula, Powder, Goat Milk-based	all	<MRC
145	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
147	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
148	Infant formula, Powder, Goat Milk-based	all	<MRC
149	Infant formula, Powder, Goat Milk-based	all	<MRC
150	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
151	Infant formula, Powder, Goat Milk-based	all	<MRC
152	Infant formula, Powder, Goat Milk-based	all	<MRC
154	Infant formula, Powder, Goat Milk-based	all	<MRC
157	Infant formula, Powder, Goat Milk-based	all	<MRC
158	Infant formula, Powder, Goat Milk-based	all	<MRC
159	Infant formula, Powder, Goat Milk-based	all	<MRC
160	Infant formula, Powder, Goat Milk-based	all	<MRC
161	Infant formula, Powder, Cow Milk-based	all	<MRC
162	Infant formula, Powder, Whole Cow Milk-based	all	<MRC
163	Infant formula, Powder, Cow Milk-based	all	<MRC
164	Infant formula, Powder, Cow Milk-based	all	<MRC
165	Infant formula, Powder, Cow Milk-based	all	<MRC

[a] Powder formulas were analyzed as sold. Results are reported as sold in parts per billion (ppb).

[b] 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 µg/kg to 25 µg/kg based on analysis of the product as sold.

[c] Whole versus non-whole milk is differentiated only for pesticide analysis due to the need to establish different MRCs for the different fat content for pesticide analysis. Whole cow milk products contain natural cow milk fat. Regular (skim) cow milk products have had cow milk fat removed.

*Duplicate sample; also appears in the 2026 Mini Market Basket Survey.

Infant formula samples were numbered as they were received. Samples that consisted of duplicate lot numbers were not analyzed.