



Pesticide Data Program Backgrounder 2018

Summary: In February 2018, the U.S. Department of Agriculture published the results of its 26th annual Pesticide Data Program (PDP). The PDP collects data on pesticide residues in a wide variety of foods, with a strong focus on foods that are consumed by infants and children. The report presents data on a changing market basket of foods. While apples and apple products are not tested every year, they were tested for this report with samples taken in calendar year 2016. Apples were also tested in 2012, 2014, and 2015. Applesauce was tested in 2006 and 2016. Apple juice was not tested for this report, and was last tested in 2013.

The Environmental Protection Agency (EPA) incorporates multiple safety factors in setting the legal tolerances for pesticide residues in food. If EPA determines a pesticide is not safe for human consumption, it is removed from the market. The Food and Drug Administration is responsible for enforcing the EPA tolerances. A summary of the data is attached.

Apples

- 531 samples of apples were tested for the presence of 16 different pesticides
- 6% of the samples tested were imported
- Of the apple samples testing positive for a pesticide, 100% of those samples were well within the pesticide tolerances established by EPA
- No pesticide was detected that is not approved for use on apples

Applesauce

- 190 samples were tested for the presence of 11 different pesticides
- 8% of the samples tested were imported
- Of the applesauce samples testing positive for a pesticide, 100% of those samples were well within the pesticide tolerances established by EPA
- No pesticide was detected that is not approved for use on applesauce

For additional information contact:

Mark Seetin Director of Regulatory & Industry Affairs
703.442.8850
mseetin@usapple.org



USDA Pesticide Data Program CY2016

APPENDIX H. PESTICIDE RESIDUES ^A BY COMMODITY (Pairs With Residue Detections in at Least 5 Percent of Samples)

Commodity / Pesticide	Pest. Type	% of Samples with Detections	Number of Samples Analyzed	Number of Samples with Detections	Range of Detections, ppm	Mean of Detections, ppm	EPA Tolerance, ppm
1 Apples (16 pesticides)							
Acetamiprid *	I	32.6	531	173	0.002 - 0.18	0.026	1.0
Boscalid	F	22.8	531	121	0.003 - 0.21	0.057	3.0
Carbendazim (MBC) ¹	F	14.1	531	75	0.001 - 0.11	0.028	2.0
Chlorantraniliprole	I	25.2	531	134	0.010 - 0.076	0.023	1.2
Cyhalothrin, Total ² *	I	5.1	531	27	0.005 - 0.037	0.013	0.30
Diphenylamine (DPA)	F	80.2	531	426	0.002 - 3.8	0.283	10.0
Flubendiamide	I	5.1	531	27	0.005 - 0.13	0.034	1.5
Fludioxonil	F	35	531	186	0.028 - 2.8	0.417	5.0
Hexythiazox	I	6.8	531	36	0.003 - 0.036	0.013	0.4
Imidacloprid	I	7.5	531	40	0.003 - 0.021	0.007	0.5
Pyraclostrobin	F	20.5	531	109	0.003 - 0.12	0.033	1.5
Pyrimethanil	F	33.9	531	180	0.053 - 6.2	1.668	15
Spirodiclofen	A	14.3	531	76	0.010 - 0.085	0.027	0.80
Tetrahydrophthalimide (THPI) ³	FM	12.2	531	65	0.011 - 0.61	0.133	25.0
Thiabendazole	F	62.9	531	334	0.002 - 3.3	0.391	5.0
Trifloxystrobin	F	9.2	531	49	0.002 - 0.016	0.005	0.5
2 Applesauce (11 pesticides)							
Acetamiprid *	I	78.9	190	150	0.002 - 0.079	0.011	1.0
Boscalid	F	8.9	190	17	0.004 - 0.026	0.009	3.0
Carbendazim (MBC) ¹	F	70	190	133	0.001 - 0.076	0.015	2.0
Cyprodinil	F	10.5	190	20	0.005 - 0.012	0.008	1.7
Diphenylamine (DPA)	F	35.8	190	68	0.002 - 0.050	0.013	10.0
Flubendiamide	I	26.3	190	50	0.004 - 0.017	0.007	1.5
Fludioxonil	F	10	190	19	0.025 - 0.12	0.045	5.0
Imidacloprid	I	9.5	190	18	0.004 - 0.013	0.006	0.5
Pyrimethanil	F	18.4	190	35	0.061 - 1.3	0.401	15
Tetrahydrophthalimide (THPI) ³	FM	74.7	190	142	0.012 - 0.51	0.065	25.0
Thiabendazole	F	28.4	190	54	0.002 - 0.89	0.141	5.0