

US EPA ARCHIVE DOCUMENT

50th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Mercury (Adult)

Climate Region	Product	soil conc (mg/kg)	fruit conc (mg/kg-DW)	above-ground vegetable conc (mg/kg-DW)	below-ground veg conc (mg/kg)	beef conc (mg/kg)	milk conc (mg/kg)	fish conc (mg/kg)	Soil Ingestion	Fruit Ingestion	Vegetable Ingestion	Below-ground Vegetable Ingestion	Beef Ingestion	Milk Ingestion	Fish Ingestion	Direct Inhalation	All Indirect Pathways Combined ¹	
Seattle, WA	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01700	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00001	0.00000	
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.10900	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00006	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	1.49000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.02000	0.00065	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00446	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00074	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	
	NPK as N	0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	0.59100	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00700	0.00030	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.02630	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00002	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01530	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.05160	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00002	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01780	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.43700	0.00000	0.00000	0.00000	0.00000	0.00000	0.00600	0.00020	0.00000	
	Albuquerque, NM	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05510	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00001	0.00000
Gypsum Products		0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.33600	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00400	0.00006	0.00000	
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Liming Materials		0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	4.62000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.06000	0.00070	0.00002	
Micronutrients		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01350	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00000	0.00000	
Mn		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00226	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	
NPK as N		0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	1.86000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00030	0.00001	
NPK for P2O5		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.08930	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00002	0.00000	
P2O5 - 1		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05860	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080	0.00000	0.00000	
Potash		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.16400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00003	0.00000	
S as Nutrient		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05860	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080	0.00001	0.00000	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	1.49000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00030	0.00000	
Atlanta, GA		Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00044	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00271	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00006	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00027	0.00004	0.00003	0.00001	0.00000	0.00000	0.03580	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.00050	0.00070	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	NPK as N	0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	0.01480	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00030	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00067	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00031	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00140	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00002	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00044	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00009	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.01160	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00030	0.00000	

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Climate Region	Product	soil conc (mg/kg)	fruit conc (mg/kg-DW)	above-ground vegetable conc (mg/kg-DW)	below-ground veg conc (mg/kg)	beef conc (mg/kg)	milk conc (mg/kg)	fish conc (mg/kg)	Soil Ingestion	Fruit Ingestion	Vegetable Ingestion	Below-ground Vegetable Ingestion	Beef Ingestion	Milk Ingestion	Fish Ingestion	Direct Inhalation	All Indirect Pathways Combined ¹	
Bismarck, ND	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02650	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00001	0.00000	
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.16600	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00006	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	2.07000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.03000	0.00070	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00636	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00007	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00108	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	
	NPK as N	0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	0.89200	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.03810	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00002	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02410	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.08210	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	#DIV/0!	0.00002	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02710	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	#DIV/0!	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	0.68000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00800	0.00020	0.00000	
	Boise, ID	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03010	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000
Gypsum Products		0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.18600	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00006	0.00000	
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Liming Materials		0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	2.30000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.03000	0.00070	0.00002	
Micronutrients		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00765	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00009	0.00000	0.00000	
Mn		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00122	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	
NPK as N		0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	1.03000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00001	
NPK for P2O5		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.04810	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00060	0.00002	0.00000	
P2O5 - 1		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02830	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00000	0.00000	
Potash		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.10000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00003	0.00000	
S as Nutrient		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02970	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	0.76200	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00000	
Boulder, CO		Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04700	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00060	0.00001	0.00000
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.30000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00300	0.00006	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	4.23000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.06000	0.00080	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01260	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00198	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	
	NPK as N	0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	1.65000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00030	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.07350	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00085	0.00002	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05050	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.15400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00003	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04850	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	1.24000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00000	

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Casper, WY	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03290	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000	
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.19400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00004	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	2.99000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.04000	0.00050	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00738	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00009	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00127	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	
	NPK as N	0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	1.06000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00020	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.04900	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00060	0.00001	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02730	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.10000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00002	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03030	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.80400	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00020	0.00000	
	Charleston, SC	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03120	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000
Gypsum Products		0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.19000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00006	0.00000	
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Liming Materials		0.00026	0.00003	0.00003	0.00001	0.00000	0.00000	2.34000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.03000	0.00070	0.00002	
Micronutrients		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00812	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00009	0.00000	0.00000	
Mn		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00125	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	
NPK as N		0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	1.06000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00001	
NPK for P2O5		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.04490	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00060	0.00002	0.00000	
P2O5 - 1		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02890	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00000	0.00000	
Potash		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.10100	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00003	0.00000	
S as Nutrient		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03200	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00001	0.00000	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00009	0.00001	0.00001	0.00000	0.00000	0.00000	0.85800	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00900	0.00030	0.00000	
Chicago, IL		Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01750	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00001	0.00000
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.10400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00005	0.00000		
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00027	0.00004	0.00003	0.00001	0.00000	0.00000	1.38000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.02000	0.00060	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00434	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00072	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	
	NPK as N	0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	0.60000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00800	0.00030	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.02600	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00001	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01660	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.05380	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00002	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01650	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00009	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.47300	0.00000	0.00000	0.00000	0.00000	0.00000	0.00500	0.00020	0.00000	

**50th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Mercury (Adult)**

Climate Region	Product	soil conc (mg/kg)	fruit conc (mg/kg-DW)	above-ground vegetable conc (mg/kg-DW)	below-ground veg conc (mg/kg)	beef conc (mg/kg)	milk conc (mg/kg)	fish conc (mg/kg)	Soil Ingestion	Fruit Ingestion	Vegetable Ingestion	Below-ground Vegetable Ingestion	Beef Ingestion	Milk Ingestion	Fish Ingestion	Direct Inhalation	All Indirect Pathways Combined ¹
Cleveland, OH	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03370	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.20200	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00005	0.00000
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	0.00027	0.00004	0.00003	0.00001	0.00000	0.00000	2.71000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.04000	0.00060	0.00002
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00832	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000	0.00000
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00139	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000
	NPK as N	0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	1.12000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00001
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.04610	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00002	0.00000
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02760	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00000	0.00000
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.10700	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00002	0.00000
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03260	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	0.85900	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00020	0.00000
	Fresno, CA	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04820	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00060	0.00001
Gypsum Products		0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.29300	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00400	0.00008	0.00000
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liming Materials		0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	4.38000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.05000	0.00090	0.00002
Micronutrients		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01240	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000	0.00000
Mn		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00202	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000
NPK as N		0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	1.64000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00040	0.00001
NPK for P2O5		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.07800	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080	0.00002	0.00000
P2O5 - 1		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04560	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00000	0.00000
Potash		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.14600	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00003	0.00000
S as Nutrient		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04830	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00001	0.00000
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	1.28000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00000
Grand Island, NE		Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02590	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00001
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.16000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00004	0.00000
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	2.27000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.03000	0.00050	0.00002
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00683	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00008	0.00000	0.00000
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00111	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
	NPK as N	0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	0.93400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00020	0.00001
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.04120	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00001	0.00000
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00000	0.00000
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.08390	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00002	0.00000
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02650	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	0.69900	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00800	0.00020	0.00000

**50th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Mercury (Adult)**

Climate Region	Product	soil conc (mg/kg)	fruit conc (mg/kg-DW)	above-ground vegetable conc (mg/kg-DW)	below-ground veg conc (mg/kg)	beef conc (mg/kg)	milk conc (mg/kg)	fish conc (mg/kg)	Soil Ingestion	Fruit Ingestion	Vegetable Ingestion	Below-ground Vegetable Ingestion	Beef Ingestion	Milk Ingestion	Fish Ingestion	Direct Inhalation	All Indirect Pathways Combined ¹
Harrisburg, PA	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03540	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.22200	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00300	0.00006	0.00000
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	0.00027	0.00004	0.00004	0.00001	0.00000	0.00000	2.89000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.04000	0.00060	0.00002
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00859	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000	0.00000
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00145	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000
	NPK as N	0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	1.17000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00001
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.05250	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00060	0.00002	0.00000
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02860	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00000	0.00000
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.11100	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00002	0.00000
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03290	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00001	0.00000
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00009	0.00001	0.00001	0.00000	0.00000	0.00000	0.92900	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00020	0.00000
	Hartford, CT	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02310	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00001
Gypsum Products		0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.14300	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00007	0.00000
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liming Materials		0.00027	0.00003	0.00003	0.00001	0.00000	0.00000	2.17000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.02500	0.00080	0.00002
Micronutrients		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00606	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00007	0.00000	0.00000
Mn		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00093	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
NPK as N		0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	0.81000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00001
NPK for P2O5		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.03420	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00002	0.00000
P2O5 - 1		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02470	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00000	0.00000
Potash		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.07250	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00090	0.00003	0.00000
S as Nutrient		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02340	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00009	0.00001	0.00001	0.00000	0.00000	0.00000	0.57100	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00700	0.00030	0.00000
Houston, TX		Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05550	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00001
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.35100	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00400	0.00006	0.00000
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	4.70000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.06500	0.00070	0.00002
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01440	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00000	0.00000
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00233	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000
	NPK as N	0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	1.92000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00030	0.00001
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.07720	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00090	0.00002	0.00000
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05200	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080	0.00000	0.00000
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.18400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00003	0.00000
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05340	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080	0.00001	0.00000
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	1.47000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00030	0.00000

50th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Mercury (Adult)

Climate Region	Product	soil conc (mg/kg)	fruit conc (mg/kg-DW)	above-ground vegetable conc (mg/kg-DW)	below-ground veg conc (mg/kg)	beef conc (mg/kg)	milk conc (mg/kg)	fish conc (mg/kg)	Soil Ingestion	Fruit Ingestion	Vegetable Ingestion	Below-ground Vegetable Ingestion	Beef Ingestion	Milk Ingestion	Fish Ingestion	Direct Inhalation	All Indirect Pathways Combined ¹	
Huntington, WV	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05550	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00001	0.00000	
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.35300	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00400	0.00008	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00026	0.00003	0.00003	0.00001	0.00000	0.00000	4.91000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.06000	0.00090	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01340	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00241	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	
	NPK as N	0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	1.95000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00040	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.09370	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00002	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04740	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.17300	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00003	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05300	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00085	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00009	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	1.51000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00030	0.00000	
	Las Vegas, NV	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.11400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00001	0.00000
Gypsum Products		0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.73600	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00800	0.00005	0.00000	
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Liming Materials		0.00027	0.00004	0.00004	0.00001	0.00000	0.00000	10.40000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.10000	0.00060	0.00002	
Micronutrients		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02890	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00000	0.00000	
Mn		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00486	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	0.00000	0.00000	
NPK as N		0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	3.80000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04000	0.00030	0.00001	
NPK for P2O5		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.19900	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00002	0.00000	
P2O5 - 1		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.11400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00000	0.00000	
Potash		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.35300	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00400	0.00002	0.00000	
S as Nutrient		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.12200	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00001	0.00000	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	3.01000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03000	0.00020	0.00000	
Los Angeles, CA		Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04610	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00065	0.00001	0.00000
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.29200	0.00000	0.00000	0.00000	0.00000	0.00000	0.00400	0.00007	0.00000		
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00027	0.00003	0.00003	0.00001	0.00000	0.00000	4.44000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.05000	0.00080	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01370	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00203	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	
	NPK as N	0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	1.63000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00040	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.08080	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00090	0.00002	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.06340	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.14900	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00003	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04920	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	1.27000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00000	

50th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Mercury (Adult)

Climate Region	Product	soil conc (mg/kg)	fruit conc (mg/kg-DW)	above-ground vegetable conc (mg/kg-DW)	below-ground veg conc (mg/kg)	beef conc (mg/kg)	milk conc (mg/kg)	fish conc (mg/kg)	Soil Ingestion	Fruit Ingestion	Vegetable Ingestion	Below-ground Vegetable Ingestion	Beef Ingestion	Milk Ingestion	Fish Ingestion	Direct Inhalation	All Indirect Pathways Combined ¹	
Memphis, TN	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.07210	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00090	0.00001	0.00000	
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.45200	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00500	0.00006	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00027	0.00003	0.00003	0.00001	0.00000	0.00000	5.90000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.08000	0.00070	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01770	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00292	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	
	NPK as N	0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	2.37000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03000	0.00030	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.11200	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00002	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.07910	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.22400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00300	0.00003	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.07180	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00009	0.00001	0.00001	0.00000	0.00000	0.00000	1.76000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00030	0.00000	
	Miami, FL	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01880	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000
Gypsum Products		0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.10700	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00006	0.00000	
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Liming Materials		0.00024	0.00003	0.00003	0.00001	0.00000	0.00000	1.48000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.03000	0.00070	0.00001	
Micronutrients		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00393	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00009	0.00000	0.00000	
Mn		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00067	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	
NPK as N		0.00009	0.00001	0.00001	0.00000	0.00000	0.00000	0.60300	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00000	
NPK for P2O5		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.01920	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00002	0.00000	
P2O5 - 1		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01140	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00000	0.00000	
Potash		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.04890	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00003	0.00000	
S as Nutrient		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01570	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00008	0.00001	0.00001	0.00000	0.00000	0.00000	0.45300	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00000	
Minneapolis, MN		Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.06120	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	0.82800	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.01000	0.00060	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00238	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00039	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	NPK as N	0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	0.32500	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00400	0.00030	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.01470	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00001	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00907	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.02920	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00002	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00991	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	0.26000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00300	0.00020	0.00000	

**50th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Mercury (Adult)**

Climate Region	Product	soil conc (mg/kg)	fruit conc (mg/kg-DW)	above-ground vegetable conc (mg/kg-DW)	below-ground veg conc (mg/kg)	beef conc (mg/kg)	milk conc (mg/kg)	fish conc (mg/kg)	Soil Ingestion	Fruit Ingestion	Vegetable Ingestion	Below-ground Vegetable Ingestion	Beef Ingestion	Milk Ingestion	Fish Ingestion	Direct Inhalation	All Indirect Pathways Combined ¹	
Philadelphia, PA	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03770	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000	
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.22100	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00300	0.00006	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00027	0.00003	0.00003	0.00001	0.00000	0.00000	2.77000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.04000	0.00065	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00882	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00010	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00146	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	0.00000	0.00000	
	NPK as N	0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	1.22000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.04920	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00060	0.00002	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02570	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.11000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00002	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03540	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00009	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.94100	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00020	0.00000	
	Phoenix, AZ	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.09750	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00001	0.00000
Gypsum Products		0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.59500	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00700	0.00008	0.00000	
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Liming Materials		0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	8.74000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.10000	0.00090	0.00002	
Micronutrients		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02660	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00000	0.00000	
Mn		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00404	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004	0.00000	0.00000	
NPK as N		0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	3.52000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04000	0.00040	0.00001	
NPK for P2O5		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.14600	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00002	0.00000	
P2O5 - 1		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.12000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00001	0.00000	
Potash		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.34700	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00400	0.00003	0.00000	
S as Nutrient		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.11500	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00001	0.00000	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	2.70000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03000	0.00030	0.00000	
Portland, ME		Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01450	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.09140	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00007	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00027	0.00004	0.00003	0.00001	0.00000	0.00000	1.18000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.02000	0.00080	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00341	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00058	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	
	NPK as N	0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	0.47000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00600	0.00030	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.02120	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00002	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01240	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.04480	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00060	0.00003	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01390	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00009	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.35800	0.00000	0.00000	0.00000	0.00000	0.00000	0.00500	0.00030	0.00000	

**50th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Mercury (Adult)**

Climate Region	Product	soil conc (mg/kg)	fruit conc (mg/kg-DW)	above-ground vegetable conc (mg/kg-DW)	below-ground veg conc (mg/kg)	beef conc (mg/kg)	milk conc (mg/kg)	fish conc (mg/kg)	Soil Ingestion	Fruit Ingestion	Vegetable Ingestion	Below-ground Vegetable Ingestion	Beef Ingestion	Milk Ingestion	Fish Ingestion	Direct Inhalation	All Indirect Pathways Combined ¹	
Raleigh-Durham, NC	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05630	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00001	0.00000	
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.35800	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00400	0.00006	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00027	0.00004	0.00003	0.00001	0.00000	0.00000	4.98000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.07000	0.00080	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01480	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00225	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000	
	NPK as N	0.00011	0.00001	0.00001	0.00000	0.00000	0.00000	1.82000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00030	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.09540	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00002	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04950	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.17800	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00003	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05640	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00090	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00009	0.00001	0.00001	0.00000	0.00000	0.00000	1.50000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00030	0.00000	
	Salem, OR	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01950	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00001	0.00000
Gypsum Products		0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.11400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00006	0.00000	
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Liming Materials		0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	1.60000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.02000	0.00075	0.00002	
Micronutrients		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00459	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00006	0.00000	0.00000	
Mn		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	
NPK as N		0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	0.65300	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00800	0.00030	0.00001	
NPK for P2O5		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.03120	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00002	0.00000	
P2O5 - 1		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01620	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00000	0.00000	
Potash		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.06230	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00003	0.00000	
S as Nutrient		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01840	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00001	0.00000	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	0.50100	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00600	0.00030	0.00000	
Salt Lake City, UT		Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03020	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00001	0.00000
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.19000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00006	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	2.80000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.04000	0.00070	0.00002	
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00809	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00009	0.00000	0.00000	
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00125	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	
	NPK as N	0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	1.07000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00001	
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.04970	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00002	0.00000	
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03790	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00000	0.00000	
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.09640	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00002	0.00000	
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.03110	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00050	0.00001	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	0.82000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00020	0.00000	

**50th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Mercury (Adult)**

Climate Region	Product	soil conc (mg/kg)	fruit conc (mg/kg-DW)	above-ground vegetable conc (mg/kg-DW)	below-ground veg conc (mg/kg)	beef conc (mg/kg)	milk conc (mg/kg)	fish conc (mg/kg)	Soil Ingestion	Fruit Ingestion	Vegetable Ingestion	Below-ground Vegetable Ingestion	Beef Ingestion	Milk Ingestion	Fish Ingestion	Direct Inhalation	All Indirect Pathways Combined ¹
San Francisco, CA	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02580	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00030	0.00001	0.00000
	Gypsum Products	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.15200	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00005	0.00000
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	2.14000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.03000	0.00060	0.00002
	Micronutrients	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00628	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00007	0.00000	0.00000
	Mn	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00108	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000
	NPK as N	0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	0.86100	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01000	0.00030	0.00001
	NPK for P2O5	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.03760	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00045	0.00002	0.00000
	P2O5 - 1	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01850	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00040	0.00000	0.00000
	Potash	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.07710	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00095	0.00002	0.00000
	S as Nutrient	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02310	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00035	0.00001	0.00000
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.64100	0.00000	0.00000	0.00000	0.00000	0.00000	0.00800	0.00020	0.00000
	Winnemucca, NV	Boron	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05580	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00070	0.00001
Gypsum Products		0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.34400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00400	0.00007	0.00000
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liming Materials		0.00028	0.00004	0.00004	0.00001	0.00000	0.00000	4.77000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.06000	0.00080	0.00002
Micronutrients		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.01400	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00020	0.00000	0.00000
Mn		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00226	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	0.00000	0.00000
NPK as N		0.00012	0.00001	0.00001	0.00000	0.00000	0.00000	1.87000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00040	0.00001
NPK for P2O5		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.09040	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00100	0.00002	0.00000
P2O5 - 1		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.04970	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080	0.00000	0.00000
Potash		0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.18300	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00200	0.00003	0.00000
S as Nutrient		0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.05680	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00080	0.00001	0.00000
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00010	0.00001	0.00001	0.00000	0.00000	0.00000	1.50000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.02000	0.00030	0.00000

¹ All Indirect Pathways Combined includes Fruit, Vegetable, Below-ground Vegetable, Beef, and Milk Ingestion.

Numbers less than 0.00001 appear as a default of 0.00000.