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90th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Zinc (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**	0.00575	0.00499	0.00498	0.00115	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.72000	4.73000	4.73000	1.29000	0.01150	0.00488	0.00004	0.00002	0.00200	0.00100	0.00010	0.00004	0.00008	0.00000	NA	0.00322
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	650.0000	273.0000	273.0000	95.40000	0.47300	0.27200	0.00295	0.00200	0.08000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14200
	Micronutrients	69.80000	44.60000	44.50000	12.20000	0.10400	0.04550	0.00036	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06350	0.04660	0.04660	0.01110	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	14.10000	7.86000	7.86000	2.01000	0.01490	0.00788	0.00007	0.00003	0.00200	0.00100	0.00020	0.00005	0.00009	0.00000	NA	0.00334
	NPK for P2O5	4.64000	1.86000	1.86000	0.67100	0.00423	0.00196	0.00002	0.00001	0.00050	0.00040	0.00005	0.00001	0.00003	0.00000	NA	0.00099
	P2O5 - 1	4.08000	1.99000	1.97000	0.54900	0.00451	0.00230	0.00002	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	Potash	0.01500	0.01020	0.01020	0.00283	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.33000	2.97000	2.96000	1.10000	0.00520	0.00281	0.00004	0.00002	0.00080	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00153
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Albuquerque, NM	**Boron**	0.00601	0.00520	0.00520	0.00122	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	7.01000	4.96000	4.96000	1.35000	0.01240	0.00540	0.00002	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	686.0000	286.0000	286.0000	100.0000	0.49100	0.28600	0.00155	0.00200	0.08100	0.05000	0.00700	0.00200	0.00400	0.00000	NA	0.14400
	Micronutrients	74.20000	47.10000	47.10000	13.20000	0.10900	0.04880	0.00019	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06620	0.04960	0.04960	0.01160	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	15.50000	8.33000	8.32000	2.23000	0.01530	0.00836	0.00003	0.00004	0.00300	0.00110	0.00020	0.00005	0.00010	0.00000	NA	0.00445
	NPK for P2O5	4.91000	1.99000	1.98000	0.71500	0.00436	0.00210	0.00001	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	P2O5 - 1	4.36000	2.02000	2.02000	0.59000	0.00461	0.00242	0.00001	0.00001	0.00070	0.00050	0.00006	0.00002	0.00003	0.00000	NA	0.00131
	Potash	0.01610	0.01080	0.01080	0.00301	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	9.04000	3.15000	3.15000	1.21000	0.00556	0.00317	0.00002	0.00002	0.00090	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00163
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Atlanta, GA	**Boron**	0.00555	0.00474	0.00474	0.00111	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.53000	4.52000	4.52000	1.26000	0.01100	0.00479	0.00002	0.00002	0.00200	0.00100	0.00010	0.00004	0.00007	0.00000	NA	0.00321
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	612.0000	267.0000	267.0000	90.20000	0.45900	0.26400	0.00104	0.00100	0.07000	0.04000	0.00600	0.00200	0.00300	0.00000	NA	0.12100
	Micronutrients	67.90000	43.20000	43.20000	11.80000	0.09850	0.04360	0.00018	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06040	0.04450	0.04450	0.01080	0.00010	0.00004	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	13.50000	7.60000	7.60000	2.01000	0.01410	0.00776	0.00003	0.00003	0.00200	0.00100	0.00020	0.00004	0.00009	0.00000	NA	0.00333
	NPK for P2O5	4.14000	1.80000	1.79000	0.67300	0.00404	0.00192	0.00001	0.00001	0.00050	0.00040	0.00005	0.00001	0.00002	0.00000	NA	0.00098
	P2O5 - 1	4.00000	1.86000	1.86000	0.52300	0.00427	0.00220	0.00001	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	Potash	0.01460	0.00946	0.00946	0.00267	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.10000	2.94000	2.94000	1.04000	0.00507	0.00269	0.00001	0.00002	0.00070	0.00050	0.00007	0.00001	0.00003	0.00000	NA	0.00131
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Bismarck, ND	**Boron**	0.00592	0.00511	0.00511	0.00119	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.81000	4.84000	4.83000	1.32000	0.01180	0.00504	0.00003	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	631.0000	277.0000	277.0000	97.50000	0.48200	0.27500	0.00288	0.00200	0.08000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14200
	Micronutrients	72.60000	47.40000	47.40000	12.60000	0.10600	0.04820	0.00034	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06500	0.04840	0.04840	0.01140	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	15.60000	8.42000	8.42000	2.07000	0.01490	0.00786	0.00006	0.00004	0.00210	0.00100	0.00020	0.00004	0.00009	0.00000	NA	0.00343
	NPK for P2O5	5.10000	1.88000	1.88000	0.71900	0.00428	0.00202	0.00002	0.00001	0.00060	0.00040	0.00005	0.00001	0.00003	0.00000	NA	0.00109
	P2O5 - 1	4.18000	2.08000	2.08000	0.57700	0.00447	0.00232	0.00002	0.00001	0.00061	0.00041	0.00005	0.00002	0.00003	0.00000	NA	0.00112
	Potash	0.01560	0.01050	0.01050	0.00285	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.72000	3.05000	3.05000	1.20000	0.00554	0.00303	0.00004	0.00002	0.00080	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00153
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boise, ID	**Boron**	0.00617	0.00538	0.00537	0.00126	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	7.15000	5.13000	5.13000	1.39000	0.01260	0.00541	0.00003	0.00002	0.00200	0.00100	0.00020	0.00005	0.00008	0.00000	NA	0.00333
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	719.0000	292.0000	291.0000	100.0000	0.51800	0.28700	0.00271	0.00200	0.09000	0.05000	0.00700	0.00200	0.00400	0.00000	NA	0.15300
	Micronutrients	75.00000	49.30000	49.20000	13.60000	0.11600	0.05140	0.00030	0.00020	0.02000	0.01000	0.00200	0.00040	0.00080	0.00000	NA	0.03320
	Mn	0.06810	0.05160	0.05160	0.01210	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	15.80000	8.68000	8.67000	2.32000	0.01570	0.00868	0.00006	0.00004	0.00300	0.00200	0.00020	0.00005	0.00010	0.00000	NA	0.00535
	NPK for P2O5	5.29000	2.06000	2.05000	0.75200	0.00451	0.00218	0.00002	0.00001	0.00060	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00120
	P2O5 - 1	4.33000	2.05000	2.05000	0.60000	0.00475	0.00252	0.00002	0.00001	0.00070	0.00050	0.00006	0.00002	0.00003	0.00000	NA	0.00131
	Potash	0.01660	0.01100	0.01100	0.00304	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	9.39000	3.27000	3.26000	1.21000	0.00577	0.00326	0.00003	0.00002	0.00090	0.00060	0.00008	0.00002	0.00004	0.00000	NA	0.00164
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Boulder, CO	**Boron**	0.00609	0.00523	0.00523	0.00123	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	7.01000	5.01000	5.01000	1.36000	0.01240	0.00523	0.00003	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	665.0000	290.0000	289.0000	100.0000	0.49800	0.29600	0.00261	0.00200	0.09000	0.05000	0.00710	0.00200	0.00400	0.00000	NA	0.15310
	Micronutrients	73.80000	47.70000	47.70000	13.00000	0.11100	0.04930	0.00032	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06620	0.05050	0.05050	0.01160	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	15.50000	8.64000	8.63000	2.21000	0.01530	0.00831	0.00006	0.00004	0.00300	0.00100	0.00020	0.00005	0.00010	0.00000	NA	0.00435
	NPK for P2O5	5.27000	2.02000	2.02000	0.72300	0.00443	0.00218	0.00002	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	P2O5 - 1	4.30000	2.01000	2.01000	0.58900	0.00467	0.00247	0.00002	0.00001	0.00070	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00130
	Potash	0.01630	0.01080	0.01080	0.00298	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.93000	3.21000	3.20000	1.21000	0.00567	0.00318	0.00003	0.00002	0.00090	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00163
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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Casper, WY	**Boron**	0.00596	0.00512	0.00512	0.00121	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.91000	4.84000	4.84000	1.33000	0.01170	0.00527	0.00004	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	651.0000	279.0000	279.0000	97.90000	0.48900	0.27500	0.00342	0.00200	0.08000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14200
	Micronutrients	72.40000	46.90000	46.90000	12.90000	0.10800	0.04820	0.00038	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06590	0.04980	0.04980	0.01150	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	15.20000	8.06000	8.06000	2.13000	0.01500	0.00823	0.00008	0.00004	0.00300	0.00100	0.00020	0.00005	0.00009	0.00000	NA	0.00434
	NPK for P2O5	5.23000	1.94000	1.93000	0.71200	0.00430	0.00200	0.00002	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	P2O5 - 1	4.23000	1.97000	1.97000	0.58900	0.00445	0.00236	0.00002	0.00001	0.00061	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00121
	Potash	0.01580	0.01090	0.01090	0.00298	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.88000	3.11000	3.10000	1.18000	0.00546	0.00299	0.00004	0.00002	0.00080	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00153
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Charleston, SC	**Boron**	0.00561	0.00484	0.00484	0.00113	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.49000	4.57000	4.57000	1.26000	0.01120	0.00489	0.00011	0.00002	0.00200	0.00100	0.00010	0.00004	0.00007	0.00000	NA	0.00321
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	626.0000	269.0000	268.0000	92.20000	0.46500	0.26300	0.00981	0.00100	0.08000	0.04000	0.00600	0.00200	0.00300	0.00000	NA	0.13100
	Micronutrients	68.60000	43.10000	43.10000	11.90000	0.09980	0.04460	0.00114	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06120	0.04480	0.04480	0.01090	0.00010	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	13.50000	7.72000	7.72000	2.01000	0.01460	0.00767	0.00025	0.00003	0.00200	0.00100	0.00020	0.00004	0.00009	0.00000	NA	0.00333
	NPK for P2O5	4.27000	1.81000	1.81000	0.67600	0.00410	0.00194	0.00007	0.00001	0.00050	0.00040	0.00005	0.00001	0.00003	0.00000	NA	0.00099
	P2O5 - 1	3.97000	1.87000	1.87000	0.54200	0.00426	0.00226	0.00006	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	Potash	0.01470	0.00972	0.00971	0.00274	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.21000	2.95000	2.94000	1.06000	0.00510	0.00271	0.00012	0.00002	0.00070	0.00051	0.00007	0.00002	0.00003	0.00000	NA	0.00133
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chicago, IL	**Boron**	0.00588	0.00499	0.00499	0.00119	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.75000	4.79000	4.78000	1.30000	0.01190	0.00509	0.00009	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	643.0000	283.0000	282.0000	98.50000	0.48600	0.28300	0.00772	0.00200	0.08000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14200
	Micronutrients	71.40000	45.70000	45.60000	12.50000	0.11000	0.04690	0.00092	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06460	0.04710	0.04700	0.01130	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	14.40000	7.93000	7.92000	2.06000	0.01490	0.00829	0.00017	0.00003	0.00200	0.00100	0.00020	0.00005	0.00009	0.00000	NA	0.00334
	NPK for P2O5	4.60000	1.90000	1.90000	0.68900	0.00434	0.00202	0.00006	0.00001	0.00051	0.00040	0.00005	0.00001	0.00003	0.00000	NA	0.00100
	P2O5 - 1	4.13000	2.00000	2.00000	0.55600	0.00451	0.00233	0.00005	0.00001	0.00061	0.00041	0.00005	0.00002	0.00003	0.00000	NA	0.00112
	Potash	0.01530	0.01050	0.01040	0.00286	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.62000	3.07000	3.07000	1.13000	0.00558	0.00290	0.00010	0.00002	0.00080	0.00051	0.00008	0.00002	0.00003	0.00000	NA	0.00144
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

US EPA ARCHIVE DOCUMENT

90th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Zinc (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**	0.00590	0.00500	0.00500	0.00118	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.79000	4.88000	4.87000	1.33000	0.01190	0.00500	0.00008	0.00002	0.00200	0.00100	0.00020	0.00005	0.00008	0.00000	NA	0.00333
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	649.0000	278.0000	278.0000	97.40000	0.47900	0.28300	0.00756	0.00200	0.08000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14200
	Micronutrients	71.50000	45.80000	45.80000	12.60000	0.10500	0.04730	0.00087	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06500	0.04770	0.04760	0.01130	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	14.60000	7.88000	7.88000	2.12000	0.01530	0.00832	0.00017	0.00003	0.00200	0.00100	0.00020	0.00005	0.00009	0.00000	NA	0.00334
	NPK for P2O5	4.56000	1.92000	1.92000	0.71000	0.00430	0.00204	0.00005	0.00001	0.00051	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00101
	P2O5 - 1	4.09000	1.97000	1.96000	0.55900	0.00457	0.00234	0.00005	0.00001	0.00061	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00111
	Potash	0.01540	0.01040	0.01040	0.00287	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.56000	3.10000	3.09000	1.15000	0.00551	0.00290	0.00010	0.00002	0.00080	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00153
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fresno, CA	**Boron**	0.00603	0.00522	0.00521	0.00122	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.91000	4.94000	4.94000	1.34000	0.01200	0.00507	0.00003	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	684.0000	283.0000	283.0000	99.30000	0.48800	0.28500	0.00243	0.00200	0.09000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.15200
	Micronutrients	72.70000	47.90000	47.80000	13.20000	0.10900	0.04990	0.00028	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06590	0.04990	0.04990	0.01170	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	15.60000	8.36000	8.36000	2.17000	0.01550	0.00845	0.00006	0.00004	0.00300	0.00100	0.00020	0.00005	0.00010	0.00000	NA	0.00435
	NPK for P2O5	5.29000	1.99000	1.99000	0.71500	0.00427	0.00210	0.00002	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	P2O5 - 1	4.24000	2.03000	2.03000	0.58400	0.00463	0.00240	0.00001	0.00001	0.00070	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00130
	Potash	0.01600	0.01070	0.01070	0.00302	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	9.05000	3.18000	3.17000	1.20000	0.00577	0.00315	0.00003	0.00002	0.00081	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00154
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Grand Island, NE	**Boron**	0.00610	0.00525	0.00525	0.00123	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.96000	5.02000	5.02000	1.33000	0.01220	0.00517	0.00009	0.00002	0.00200	0.00100	0.00020	0.00005	0.00008	0.00000	NA	0.00333
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	669.0000	280.0000	280.0000	101.0000	0.50000	0.27700	0.00861	0.00200	0.08000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14200
	Micronutrients	74.60000	48.40000	48.40000	12.80000	0.11000	0.04880	0.00100	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06620	0.04960	0.04960	0.01160	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	15.70000	8.34000	8.33000	2.16000	0.01530	0.00808	0.00019	0.00004	0.00200	0.00100	0.00020	0.00005	0.00010	0.00000	NA	0.00335
	NPK for P2O5	4.87000	1.98000	1.98000	0.73200	0.00443	0.00210	0.00007	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	P2O5 - 1	4.29000	2.00000	2.00000	0.57800	0.00463	0.00245	0.00005	0.00001	0.00070	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00130
	Potash	0.01590	0.01060	0.01060	0.00298	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	9.03000	3.13000	3.13000	1.17000	0.00547	0.00304	0.00011	0.00002	0.00080	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00153
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

US EPA ARCHIVE DOCUMENT

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Zinc (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	0.00584	0.00496	0.00495	0.00117	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.82000	4.72000	4.72000	1.31000	0.01170	0.00510	0.00008	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	654.0000	275.0000	274.0000	96.20000	0.48500	0.27600	0.00791	0.00200	0.08000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14200
	Micronutrients	71.70000	45.60000	45.50000	12.40000	0.10300	0.04680	0.00088	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06410	0.04670	0.04660	0.01130	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	14.10000	7.80000	7.79000	2.10000	0.01510	0.00807	0.00018	0.00003	0.00200	0.00100	0.00020	0.00005	0.00009	0.00000	NA	0.00334
	NPK for P2O5	4.59000	1.88000	1.88000	0.68800	0.00419	0.00199	0.00006	0.00001	0.00050	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00100
	P2O5 - 1	4.13000	1.97000	1.97000	0.54600	0.00437	0.00235	0.00005	0.00001	0.00060	0.00041	0.00005	0.00002	0.00003	0.00000	NA	0.00111
	Potash	0.01520	0.01020	0.01020	0.00284	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.61000	3.00000	3.00000	1.10000	0.00535	0.00279	0.00010	0.00002	0.00071	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00144
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hartford, CT	Boron	0.00572	0.00489	0.00489	0.00113	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.58000	4.60000	4.60000	1.27000	0.01120	0.00496	0.00008	0.00002	0.00200	0.00100	0.00010	0.00004	0.00007	0.00000	NA	0.00321
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	620.0000	271.0000	271.0000	94.90000	0.47100	0.27200	0.00758	0.00100	0.08000	0.04100	0.00700	0.00200	0.00300	0.00000	NA	0.13300
	Micronutrients	69.40000	44.30000	44.20000	12.00000	0.10100	0.04580	0.00088	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06200	0.04610	0.04610	0.01100	0.00010	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	14.00000	7.78000	7.78000	1.98000	0.01460	0.00791	0.00018	0.00003	0.00200	0.00100	0.00020	0.00004	0.00009	0.00000	NA	0.00333
	NPK for P2O5	4.31000	1.85000	1.85000	0.68700	0.00411	0.00192	0.00005	0.00001	0.00050	0.00040	0.00005	0.00001	0.00003	0.00000	NA	0.00099
	P2O5 - 1	4.02000	1.87000	1.87000	0.54300	0.00441	0.00226	0.00005	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	Potash	0.01500	0.00978	0.00977	0.00278	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.47000	2.96000	2.95000	1.10000	0.00524	0.00280	0.00009	0.00002	0.00071	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00144
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Houston, TX	Boron	0.00568	0.00476	0.00476	0.00115	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.54000	4.60000	4.60000	1.25000	0.01110	0.00485	0.00022	0.00002	0.00200	0.00100	0.00010	0.00004	0.00007	0.00000	NA	0.00321
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	622.0000	261.0000	260.0000	91.80000	0.45600	0.26800	0.01990	0.00100	0.08000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14200
	Micronutrients	68.10000	42.50000	42.50000	11.80000	0.10200	0.04550	0.00222	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06130	0.04580	0.04570	0.01080	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	13.50000	7.81000	7.80000	2.03000	0.01430	0.00771	0.00041	0.00003	0.00200	0.00100	0.00020	0.00005	0.00009	0.00000	NA	0.00334
	NPK for P2O5	4.45000	1.84000	1.83000	0.66500	0.00401	0.00193	0.00014	0.00001	0.00050	0.00040	0.00005	0.00001	0.00003	0.00000	NA	0.00099
	P2O5 - 1	4.03000	1.89000	1.89000	0.54700	0.00423	0.00223	0.00012	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	Potash	0.01500	0.00980	0.00980	0.00278	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.42000	2.97000	2.97000	1.10000	0.00518	0.00277	0.00024	0.00002	0.00070	0.00051	0.00007	0.00001	0.00003	0.00000	NA	0.00132
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

US EPA ARCHIVE DOCUMENT

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Zinc (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	0.00586	0.00505	0.00505	0.00118	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.89000	4.77000	4.76000	1.32000	0.01170	0.00516	0.00008	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	651.0000	274.0000	274.0000	96.10000	0.48600	0.27400	0.00749	0.00200	0.08000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14200
	Micronutrients	71.90000	45.40000	45.30000	12.50000	0.10600	0.04670	0.00086	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06420	0.04620	0.04620	0.01150	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	14.50000	8.15000	8.14000	2.06000	0.01510	0.00803	0.00017	0.00003	0.00200	0.00100	0.00020	0.00005	0.00009	0.00000	NA	0.00334
	NPK for P2O5	4.53000	1.88000	1.88000	0.69500	0.00427	0.00204	0.00006	0.00001	0.00050	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00100
	P2O5 - 1	4.12000	1.96000	1.95000	0.56700	0.00448	0.00237	0.00005	0.00001	0.00060	0.00041	0.00005	0.00002	0.00003	0.00000	NA	0.00111
	Potash	0.01530	0.01020	0.01020	0.00284	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.56000	3.07000	3.06000	1.12000	0.00529	0.00285	0.00010	0.00002	0.00080	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00153
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Las Vegas, NV	Boron	0.00595	0.00522	0.00522	0.00122	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.99000	4.84000	4.84000	1.35000	0.01210	0.00518	0.00002	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	687.0000	283.0000	282.0000	97.00000	0.48900	0.27700	0.00173	0.00200	0.08000	0.05000	0.00700	0.00200	0.00400	0.00000	NA	0.14300
	Micronutrients	74.00000	47.40000	47.40000	13.10000	0.10900	0.04910	0.00019	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06590	0.04980	0.04980	0.01160	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	15.50000	8.52000	8.52000	2.23000	0.01570	0.00839	0.00004	0.00004	0.00300	0.00100	0.00020	0.00005	0.00010	0.00000	NA	0.00435
	NPK for P2O5	5.19000	1.96000	1.96000	0.70500	0.00422	0.00210	0.00001	0.00001	0.00051	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00101
	P2O5 - 1	4.21000	2.03000	2.03000	0.58600	0.00459	0.00245	0.00001	0.00001	0.00070	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00130
	Potash	0.01600	0.01100	0.01100	0.00300	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.99000	3.15000	3.14000	1.21000	0.00553	0.00315	0.00002	0.00002	0.00081	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00154
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Los Angeles, CA	Boron	0.00593	0.00514	0.00514	0.00122	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.88000	4.85000	4.85000	1.34000	0.01200	0.00513	0.00002	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	652.0000	279.0000	279.0000	95.40000	0.48700	0.27900	0.00194	0.00200	0.08100	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14300
	Micronutrients	72.80000	46.60000	46.50000	12.90000	0.10700	0.04840	0.00024	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06510	0.04950	0.04940	0.01150	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	15.40000	8.24000	8.23000	2.12000	0.01480	0.00827	0.00005	0.00004	0.00300	0.00100	0.00020	0.00004	0.00009	0.00000	NA	0.00433
	NPK for P2O5	5.06000	1.95000	1.95000	0.69600	0.00431	0.00207	0.00001	0.00001	0.00051	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00101
	P2O5 - 1	4.17000	1.98000	1.98000	0.58300	0.00454	0.00242	0.00001	0.00001	0.00070	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00130
	Potash	0.01580	0.01070	0.01070	0.00287	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.80000	3.08000	3.08000	1.15000	0.00551	0.00311	0.00003	0.00002	0.00080	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00153
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

US EPA ARCHIVE DOCUMENT

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Zinc (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**	0.00564	0.00470	0.00470	0.00113	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.50000	4.49000	4.49000	1.25000	0.01100	0.00485	0.00018	0.00002	0.00200	0.00100	0.00010	0.00004	0.00007	0.00000	NA	0.00321
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	610.0000	271.0000	271.0000	90.80000	0.46000	0.26100	0.01610	0.00100	0.07100	0.04000	0.00600	0.00200	0.00300	0.00000	NA	0.12200
	Micronutrients	68.50000	43.50000	43.40000	11.90000	0.09780	0.04570	0.00177	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06130	0.04490	0.04480	0.01070	0.00010	0.00005	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00002
	NPK as N	13.50000	7.23000	7.22000	1.97000	0.01480	0.00770	0.00036	0.00003	0.00200	0.00100	0.00020	0.00004	0.00009	0.00000	NA	0.00333
	NPK for P2O5	4.23000	1.79000	1.79000	0.67000	0.00404	0.00192	0.00012	0.00001	0.00050	0.00040	0.00005	0.00001	0.00003	0.00000	NA	0.00099
	P2O5 - 1	3.97000	1.90000	1.90000	0.52600	0.00418	0.00226	0.00010	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	Potash	0.01460	0.00962	0.00960	0.00271	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.15000	2.94000	2.93000	1.06000	0.00511	0.00278	0.00021	0.00002	0.00070	0.00060	0.00007	0.00002	0.00003	0.00000	NA	0.00142
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Miami, FL	**Boron**	0.00552	0.00443	0.00443	0.00108	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.18000	4.33000	4.33000	1.16000	0.00983	0.00431	0.00009	0.00002	0.00200	0.00100	0.00010	0.00004	0.00007	0.00000	NA	0.00321
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	590.0000	245.0000	245.0000	84.60000	0.41700	0.23900	0.00713	0.00100	0.07000	0.04000	0.00600	0.00200	0.00300	0.00000	NA	0.12100
	Micronutrients	62.80000	37.60000	37.60000	11.10000	0.08880	0.04130	0.00088	0.00020	0.02000	0.01000	0.00100	0.00030	0.00060	0.00000	NA	0.03190
	Mn	0.05830	0.04190	0.04190	0.00996	0.00009	0.00004	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00002
	NPK as N	12.10000	6.89000	6.89000	1.79000	0.01260	0.00675	0.00014	0.00003	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	NPK for P2O5	4.13000	1.63000	1.62000	0.64700	0.00384	0.00188	0.00004	0.00001	0.00050	0.00040	0.00005	0.00001	0.00002	0.00000	NA	0.00098
	P2O5 - 1	3.40000	1.57000	1.57000	0.47500	0.00383	0.00193	0.00004	0.00001	0.00060	0.00040	0.00005	0.00001	0.00002	0.00000	NA	0.00108
	Potash	0.01440	0.00927	0.00927	0.00251	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	7.53000	2.71000	2.71000	0.97700	0.00401	0.00256	0.00009	0.00002	0.00070	0.00050	0.00006	0.00001	0.00003	0.00000	NA	0.00130
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Minneapolis, MN	**Boron**	0.00596	0.00518	0.00517	0.00120	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.83000	4.98000	4.98000	1.33000	0.01200	0.00509	0.00007	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	655.0000	278.0000	277.0000	96.10000	0.49000	0.29100	0.00663	0.00200	0.08000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14200
	Micronutrients	72.20000	46.40000	46.30000	12.70000	0.10300	0.04820	0.00075	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06480	0.04900	0.04900	0.01140	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	16.00000	8.29000	8.28000	2.15000	0.01510	0.00830	0.00015	0.00004	0.00210	0.00100	0.00020	0.00005	0.00010	0.00000	NA	0.00345
	NPK for P2O5	5.02000	1.90000	1.90000	0.70100	0.00442	0.00208	0.00004	0.00001	0.00051	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00101
	P2O5 - 1	4.18000	2.02000	2.02000	0.56800	0.00447	0.00240	0.00004	0.00001	0.00060	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00120
	Potash	0.01550	0.01050	0.01050	0.00285	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.71000	3.04000	3.04000	1.18000	0.00538	0.00299	0.00008	0.00002	0.00080	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00153
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

US EPA ARCHIVE DOCUMENT

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Philadelphia, PA	**Boron**	0.00573	0.00483	0.00483	0.00114	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.65000	4.71000	4.71000	1.30000	0.01160	0.00515	0.00010	0.00002	0.00200	0.00100	0.00010	0.00004	0.00007	0.00000	NA	0.00321
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	634.0000	267.0000	266.0000	94.20000	0.47000	0.27200	0.00912	0.00200	0.08000	0.04100	0.00700	0.00200	0.00300	0.00000	NA	0.13300
	Micronutrients	70.50000	44.70000	44.70000	12.10000	0.10300	0.04490	0.00107	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06330	0.04720	0.04720	0.01100	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	14.30000	8.01000	8.01000	2.02000	0.01420	0.00776	0.00019	0.00003	0.00200	0.00100	0.00020	0.00005	0.00009	0.00000	NA	0.00334
	NPK for P2O5	4.51000	1.85000	1.85000	0.67400	0.00410	0.00198	0.00007	0.00001	0.00050	0.00040	0.00005	0.00001	0.00003	0.00000	NA	0.00099
	P2O5 - 1	4.06000	1.89000	1.88000	0.53900	0.00436	0.00224	0.00005	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	Potash	0.01510	0.00966	0.00965	0.00282	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.40000	2.99000	2.99000	1.09000	0.00530	0.00281	0.00012	0.00002	0.00071	0.00060	0.00008	0.00001	0.00003	0.00000	NA	0.00143
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Phoenix, AZ	**Boron**	0.00605	0.00531	0.00531	0.00124	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.97000	4.91000	4.91000	1.34000	0.01210	0.00521	0.00003	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	686.0000	282.0000	281.0000	96.10000	0.49700	0.28500	0.00211	0.00200	0.08000	0.05000	0.00700	0.00200	0.00310	0.00000	NA	0.14210
	Micronutrients	73.10000	47.60000	47.60000	13.10000	0.10800	0.04880	0.00026	0.00020	0.02000	0.01000	0.00110	0.00040	0.00070	0.00000	NA	0.03220
	Mn	0.06630	0.05120	0.05120	0.01160	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	16.00000	8.32000	8.32000	2.16000	0.01540	0.00853	0.00005	0.00004	0.00300	0.00110	0.00020	0.00005	0.00010	0.00000	NA	0.00445
	NPK for P2O5	5.06000	1.99000	1.99000	0.70000	0.00435	0.00211	0.00001	0.00001	0.00050	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00100
	P2O5 - 1	4.20000	2.01000	2.01000	0.58900	0.00457	0.00235	0.00001	0.00001	0.00061	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00121
	Potash	0.01610	0.01080	0.01080	0.00298	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.94000	3.15000	3.14000	1.21000	0.00553	0.00316	0.00003	0.00002	0.00081	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00154
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Portland, ME	**Boron**	0.00557	0.00469	0.00469	0.00112	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.45000	4.42000	4.42000	1.25000	0.01080	0.00476	0.00007	0.00002	0.00200	0.00100	0.00010	0.00004	0.00007	0.00000	NA	0.00321
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	599.0000	260.0000	260.0000	90.20000	0.45600	0.26500	0.00579	0.00100	0.07000	0.04000	0.00600	0.00200	0.00300	0.00000	NA	0.12100
	Micronutrients	66.60000	43.60000	43.50000	11.80000	0.09770	0.04310	0.00069	0.00020	0.02000	0.01000	0.00100	0.00031	0.00061	0.00000	NA	0.03192
	Mn	0.05970	0.04490	0.04490	0.01060	0.00010	0.00004	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00002
	NPK as N	13.40000	7.48000	7.47000	1.92000	0.01470	0.00755	0.00013	0.00003	0.00200	0.00100	0.00020	0.00004	0.00009	0.00000	NA	0.00333
	NPK for P2O5	4.23000	1.74000	1.74000	0.65100	0.00393	0.00187	0.00004	0.00001	0.00050	0.00040	0.00005	0.00001	0.00003	0.00000	NA	0.00099
	P2O5 - 1	3.97000	1.83000	1.83000	0.52100	0.00417	0.00217	0.00003	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	Potash	0.01450	0.00947	0.00947	0.00266	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.16000	2.92000	2.91000	1.03000	0.00506	0.00275	0.00008	0.00002	0.00070	0.00050	0.00007	0.00001	0.00003	0.00000	NA	0.00131
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

US EPA ARCHIVE DOCUMENT

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Raleigh-Durham, NC	Boron	0.00568	0.00484	0.00483	0.00114	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.62000	4.59000	4.59000	1.27000	0.01130	0.00483	0.00010	0.00002	0.00200	0.00100	0.00010	0.00004	0.00007	0.00000	NA	0.00321
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	634.0000	272.0000	271.0000	92.90000	0.46500	0.26600	0.00957	0.00100	0.08000	0.05000	0.00610	0.00200	0.00300	0.00000	NA	0.14110
	Micronutrients	69.50000	43.90000	43.80000	12.00000	0.10100	0.04540	0.00112	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06190	0.04620	0.04610	0.01100	0.00010	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	14.00000	7.82000	7.81000	1.99000	0.01470	0.00771	0.00022	0.00003	0.00200	0.00100	0.00020	0.00005	0.00009	0.00000	NA	0.00334
	NPK for P2O5	4.33000	1.82000	1.82000	0.67900	0.00413	0.00197	0.00007	0.00001	0.00050	0.00040	0.00005	0.00001	0.00003	0.00000	NA	0.00099
	P2O5 - 1	3.99000	1.88000	1.88000	0.54500	0.00432	0.00227	0.00006	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	Potash	0.01480	0.00982	0.00981	0.00276	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.37000	2.91000	2.91000	1.06000	0.00512	0.00278	0.00012	0.00002	0.00071	0.00051	0.00007	0.00002	0.00003	0.00000	NA	0.00134
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Salem, OR	Boron	0.00575	0.00493	0.00492	0.00115	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.63000	4.61000	4.61000	1.28000	0.01110	0.00493	0.00003	0.00002	0.00200	0.00100	0.00010	0.00004	0.00007	0.00000	NA	0.00321
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	623.0000	269.0000	268.0000	91.60000	0.46500	0.26400	0.00263	0.00100	0.08000	0.04000	0.00600	0.00200	0.00300	0.00000	NA	0.13100
	Micronutrients	69.70000	44.30000	44.30000	12.10000	0.10200	0.04590	0.00035	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06250	0.04600	0.04600	0.01110	0.00010	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	14.10000	7.79000	7.78000	2.04000	0.01470	0.00774	0.00007	0.00003	0.00200	0.00100	0.00020	0.00004	0.00009	0.00000	NA	0.00333
	NPK for P2O5	4.48000	1.83000	1.83000	0.68200	0.00404	0.00192	0.00002	0.00001	0.00050	0.00040	0.00005	0.00001	0.00003	0.00000	NA	0.00099
	P2O5 - 1	4.12000	1.93000	1.93000	0.55000	0.00446	0.00227	0.00002	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	Potash	0.01510	0.00994	0.00994	0.00283	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.47000	2.98000	2.97000	1.10000	0.00515	0.00281	0.00003	0.00002	0.00070	0.00051	0.00008	0.00002	0.00003	0.00000	NA	0.00134
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Salt Lake City, UT	Boron	0.00619	0.00532	0.00532	0.00126	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	7.06000	5.03000	5.03000	1.37000	0.01240	0.00524	0.00002	0.00002	0.00200	0.00100	0.00020	0.00005	0.00008	0.00000	NA	0.00333
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	681.0000	292.0000	291.0000	101.0000	0.50100	0.28600	0.00186	0.00200	0.08100	0.05000	0.00710	0.00200	0.00310	0.00000	NA	0.14320
	Micronutrients	74.40000	48.20000	48.10000	13.20000	0.11300	0.05050	0.00023	0.00020	0.02000	0.01000	0.00110	0.00040	0.00080	0.00000	NA	0.03230
	Mn	0.06750	0.05140	0.05140	0.01190	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	16.20000	8.77000	8.77000	2.24000	0.01600	0.00867	0.00004	0.00004	0.00300	0.00110	0.00020	0.00005	0.00010	0.00000	NA	0.00445
	NPK for P2O5	5.04000	2.00000	2.00000	0.74100	0.00455	0.00218	0.00001	0.00001	0.00060	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00120
	P2O5 - 1	4.40000	2.05000	2.05000	0.58400	0.00476	0.00246	0.00001	0.00001	0.00070	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00130
	Potash	0.01640	0.01100	0.01100	0.00301	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	9.35000	3.19000	3.18000	1.23000	0.00550	0.00315	0.00003	0.00002	0.00090	0.00060	0.00008	0.00002	0.00004	0.00000	NA	0.00164
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

US EPA ARCHIVE DOCUMENT

90th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Zinc (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**	0.00592	0.00509	0.00509	0.00118	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.90000	4.77000	4.77000	1.33000	0.01190	0.00508	0.00003	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	653.0000	279.0000	278.0000	95.50000	0.47700	0.27400	0.00237	0.00200	0.08000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14200
	Micronutrients	73.10000	46.70000	46.70000	12.90000	0.10800	0.04870	0.00028	0.00020	0.02000	0.01000	0.00100	0.00040	0.00070	0.00000	NA	0.03210
	Mn	0.06440	0.04900	0.04900	0.01140	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	14.80000	8.05000	8.05000	2.17000	0.01460	0.00794	0.00005	0.00004	0.00210	0.00100	0.00020	0.00005	0.00010	0.00000	NA	0.00345
	NPK for P2O5	4.87000	1.97000	1.96000	0.71000	0.00439	0.00204	0.00002	0.00001	0.00051	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00101
	P2O5 - 1	4.22000	2.01000	2.01000	0.56900	0.00453	0.00241	0.00001	0.00001	0.00060	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00120
	Potash	0.01600	0.01080	0.01080	0.00289	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	8.69000	3.10000	3.09000	1.18000	0.00525	0.00292	0.00003	0.00002	0.00080	0.00060	0.00007	0.00002	0.00003	0.00000	NA	0.00152
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Winnemucca, NV	**Boron**	0.00601	0.00521	0.00521	0.00122	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00000
	Gypsum Products	6.83000	4.89000	4.89000	1.33000	0.01220	0.00519	0.00001	0.00002	0.00200	0.00100	0.00020	0.00004	0.00008	0.00000	NA	0.00332
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	683.0000	283.0000	283.0000	96.80000	0.48500	0.28500	0.00054	0.00200	0.08000	0.05000	0.00700	0.00200	0.00300	0.00000	NA	0.14200
	Micronutrients	73.70000	47.30000	47.30000	12.70000	0.10800	0.04990	0.00007	0.00020	0.02000	0.01000	0.00100	0.00040	0.00071	0.00000	NA	0.03211
	Mn	0.06630	0.05010	0.05010	0.01160	0.00011	0.00005	0.00000	0.00000	0.00002	0.00001	0.00000	0.00000	0.00000	0.00000	NA	0.00003
	NPK as N	16.00000	8.43000	8.43000	2.15000	0.01530	0.00835	0.00001	0.00004	0.00300	0.00110	0.00020	0.00005	0.00009	0.00000	NA	0.00444
	NPK for P2O5	4.71000	1.99000	1.99000	0.69800	0.00447	0.00202	0.00000	0.00001	0.00060	0.00040	0.00005	0.00002	0.00003	0.00000	NA	0.00110
	P2O5 - 1	4.25000	1.98000	1.98000	0.58700	0.00458	0.00244	0.00000	0.00001	0.00070	0.00050	0.00005	0.00002	0.00003	0.00000	NA	0.00130
	Potash	0.01610	0.01080	0.01080	0.00306	0.00003	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	NA	0.00001
	S as Nutrient	9.16000	3.28000	3.28000	1.19000	0.00548	0.00315	0.00001	0.00002	0.00081	0.00060	0.00008	0.00002	0.00003	0.00000	NA	0.00154
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

[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.