

US EPA ARCHIVE DOCUMENT

**90th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Copper (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	
Bismarck, ND	Boron	0.00650	0.00191	0.00191	0.00342	0.00056	0.00014	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Gypsum Products	2.58000	0.66100	0.66000	1.28000	0.15600	0.04660	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	52.40000	8.04000	8.03000	21.70000	1.99000	0.72100	0	0.00030	0.00002	0.00000	0.00000	0.00020	0.00050	0.00000	0.00000	0.00000	
	Micronutrients	22.70000	5.14000	5.14000	10.20000	1.43000	0.38100	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Mn	0.01320	0.00271	0.00270	0.00623	0.00060	0.00018	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	NPK as N	2.16000	0.49400	0.49300	0.96900	0.12600	0.03470	0	0.00010	0.00001	0.00000	0.00000	0.00010	0.00020	0.00000	0.00000	0.00000	
	NPK for P2O5	0.47400	0.08310	0.08310	0.18200	0.01590	0.00533	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00003	0.00000	0.00000	0.00000	
	P2O5 - 1	0.44900	0.09930	0.09930	0.21300	0.02200	0.00667	0	0.00004	0.00000	0.00000	0.00000	0.00004	0.00007	0.00000	0.00000	0.00011	
	Potash	0.01010	0.00220	0.00220	0.00413	0.00060	0.00017	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Nutrient	0.06510	0.01290	0.01290	0.02810	0.00247	0.00081	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	2.01000	0.42400	0.42400	0.92200	0.11700	0.03170	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001	
	Boise, ID	Boron	0.00801	0.00266	0.00266	0.00437	0.00084	0.00021	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
		Gypsum Products	3.69000	0.92500	0.92400	1.75000	0.22000	0.06330	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003
		Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liming Materials		88.60000	12.00000	11.90000	30.60000	3.09000	1.05000	0	0.00100	0.00020	0.00002	0.00001	0.00100	0.00300	0.00000	0.00000	0.00423	
Micronutrients		30.40000	7.03000	7.01000	14.00000	1.92000	0.53600	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
Mn		0.01830	0.00378	0.00377	0.00847	0.00084	0.00025	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
NPK as N		3.15000	0.73200	0.73100	1.34000	0.17000	0.04710	0	0.00050	0.00007	0.00001	0.00001	0.00060	0.00100	0.00000	0.00000	0.00169	
NPK for P2O5		0.61700	0.12400	0.12300	0.26300	0.02450	0.00725	0	0.00007	0.00001	0.00000	0.00000	0.00007	0.00010	0.00000	0.00000	0.00018	
P2O5 - 1		0.57100	0.14100	0.14100	0.27300	0.03130	0.00902	0	0.00020	0.00003	0.00000	0.00000	0.00020	0.00040	0.00000	0.00000	0.00064	
Potash		0.01560	0.00293	0.00291	0.00645	0.00088	0.00025	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
S as Nutrient		0.09360	0.01790	0.01790	0.03860	0.00343	0.00110	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc		2.73000	0.61700	0.61600	1.22000	0.14500	0.04180	0	0.00002	0.00000	0.00000	0.00000	0.00002	0.00005	0.00000	0.00000	0.00007	
Boulder, CO		Boron	0.00739	0.00243	0.00243	0.00406	0.00077	0.00019	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
		Gypsum Products	3.33000	0.83700	0.83700	1.60000	0.21200	0.05990	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00002
		Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	77.10000	11.30000	11.20000	28.80000	2.96000	0.96400	0	0.00080	0.00010	0.00001	0.00001	0.00080	0.00200	0.00000	0.00000	0.00292	
	Micronutrients	28.00000	6.34000	6.33000	13.00000	1.77000	0.49700	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Mn	0.01670	0.00343	0.00342	0.00786	0.00078	0.00023	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	NPK as N	2.95000	0.65400	0.65400	1.31000	0.15700	0.04580	0	0.00030	0.00004	0.00001	0.00000	0.00030	0.00070	0.00000	0.00000	0.00105	
	NPK for P2O5	0.57700	0.11300	0.11300	0.23800	0.02160	0.00699	0	0.00004	0.00001	0.00000	0.00000	0.00004	0.00009	0.00000	0.00000	0.00014	
	P2O5 - 1	0.53400	0.12700	0.12600	0.25000	0.02860	0.00867	0	0.00010	0.00002	0.00000	0.00000	0.00010	0.00030	0.00000	0.00000	0.00042	
	Potash	0.01430	0.00264	0.00264	0.00592	0.00083	0.00023	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Nutrient	0.08500	0.01600	0.01600	0.03470	0.00316	0.00106	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	2.51000	0.54400	0.54300	1.11000	0.13900	0.03890	0	0.00001	0.00000	0.00000	0.00000	0.00002	0.00003	0.00000	0.00000	0.00005	

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Casper, WY	Boron	0.00683	0.00211	0.00211	0.00367	0.00063	0.00016	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Gypsum Products	2.80000	0.70800	0.70700	1.39000	0.17800	0.05190	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	61.70000	9.34000	9.33000	25.80000	2.35000	0.81700	0	0.00040	0.00003	0.00001	0.00000	0.00040	0.00080	0.00000	0.00000	0.00124	
	Micronutrients	24.30000	5.46000	5.46000	11.40000	1.58000	0.42600	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Mn	0.01430	0.00295	0.00295	0.00686	0.00069	0.00020	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	NPK as N	2.44000	0.53200	0.53200	1.10000	0.13000	0.03950	0	0.00020	0.00001	0.00000	0.00000	0.00020	0.00030	0.00000	0.00000	0.00051	
	NPK for P2O5	0.52500	0.09340	0.09330	0.19900	0.01840	0.00602	0	0.00002	0.00000	0.00000	0.00000	0.00002	0.00004	0.00000	0.00000	0.00006	
	P2O5 - 1	0.48500	0.11100	0.11100	0.22700	0.02400	0.00726	0	0.00006	0.00001	0.00000	0.00000	0.00006	0.00010	0.00000	0.00000	0.00017	
	Potash	0.01160	0.00244	0.00244	0.00477	0.00067	0.00019	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Nutrient	0.07330	0.01450	0.01450	0.03070	0.00274	0.00091	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	2.16000	0.45900	0.45900	0.97100	0.12200	0.03450	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00002	
	Charleston, SC	Boron	0.00555	0.00142	0.00141	0.00274	0.00038	0.00011	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
		Gypsum Products	1.88000	0.42500	0.42500	0.86600	0.10800	0.03180	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Liming Materials		31.60000	4.76000	4.76000	12.30000	1.07000	0.39700	0	0.00008	0.00002	0.00000	0.00000	0.00009	0.00020	0.00000	0.00000	0.00031	
Micronutrients		16.70000	3.54000	3.53000	7.46000	0.86000	0.26300	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
Mn		0.00938	0.00177	0.00177	0.00406	0.00037	0.00012	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
NPK as N		1.43000	0.30100	0.30100	0.60100	0.08120	0.02600	0	0.00003	0.00001	0.00000	0.00000	0.00004	0.00008	0.00000	0.00000	0.00013	
NPK for P2O5		0.32500	0.04690	0.04650	0.11800	0.00964	0.00325	0	0.00000	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00002	
P2O5 - 1		0.32100	0.06030	0.06020	0.14200	0.01500	0.00467	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00003	0.00000	0.00000	0.00004	
Potash		0.00628	0.00134	0.00133	0.00273	0.00040	0.00011	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
S as Nutrient		0.04290	0.00868	0.00865	0.01800	0.00172	0.00061	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc		1.50000	0.27300	0.27200	0.62900	0.07660	0.02190	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	
Chicago, IL		Boron	0.00598	0.00166	0.00166	0.00303	0.00044	0.00012	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
		Gypsum Products	2.21000	0.51300	0.51200	1.03000	0.13000	0.03670	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	38.50000	6.06000	6.04000	15.90000	1.52000	0.47800	0	0.00010	0.00003	0.00000	0.00000	0.00010	0.00030	0.00000	0.00000	0.00043	
	Micronutrients	19.00000	4.21000	4.18000	8.67000	1.09000	0.31100	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Mn	0.01100	0.00220	0.00218	0.00475	0.00045	0.00015	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	NPK as N	1.71000	0.37400	0.37300	0.73000	0.09680	0.03000	0	0.00005	0.00001	0.00000	0.00000	0.00005	0.00010	0.00000	0.00000	0.00016	
	NPK for P2O5	0.38000	0.05940	0.05910	0.14300	0.01240	0.00408	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003	
	P2O5 - 1	0.37300	0.07600	0.07570	0.17500	0.01970	0.00547	0	0.00002	0.00000	0.00000	0.00000	0.00002	0.00004	0.00000	0.00000	0.00006	
	Potash	0.00778	0.00155	0.00154	0.00321	0.00049	0.00013	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Nutrient	0.04930	0.01050	0.01050	0.02220	0.00204	0.00069	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	1.73000	0.33600	0.33400	0.75200	0.09310	0.02610	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001	

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Cleveland, OH	Boron	0.00598	0.00160	0.00160	0.00309	0.00043	0.00012	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	2.19000	0.50900	0.50600	1.00000	0.12600	0.03540	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	37.90000	5.84000	5.82000	15.50000	1.42000	0.47000	0	0.00010	0.00003	0.00000	0.00000	0.00010	0.00030	0.00000	0.00000	0.00000
	Micronutrients	18.80000	4.18000	4.14000	8.47000	1.06000	0.30400	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.01070	0.00214	0.00213	0.00466	0.00044	0.00014	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	1.69000	0.35700	0.35600	0.72000	0.09730	0.02910	0	0.00004	0.00001	0.00000	0.00000	0.00005	0.00010	0.00000	0.00000	0.00000
	NPK for P2O5	0.36500	0.06090	0.06080	0.13500	0.01190	0.00411	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000
	P2O5 - 1	0.37600	0.07400	0.07380	0.16700	0.01910	0.00539	0	0.00002	0.00001	0.00000	0.00000	0.00002	0.00004	0.00000	0.00000	0.00000
	Potash	0.00736	0.00151	0.00149	0.00313	0.00047	0.00013	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.04900	0.01010	0.01010	0.02140	0.00200	0.00068	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	1.70000	0.33400	0.33100	0.75000	0.09090	0.02580	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00000
	Fresno, CA	Boron	0.00786	0.00261	0.00261	0.00419	0.00081	0.00020	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Gypsum Products		3.57000	0.89100	0.89100	1.72000	0.21800	0.06390	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liming Materials		82.90000	11.50000	11.40000	30.50000	3.06000	1.03000	0	0.00100	0.00020	0.00002	0.00001	0.00100	0.00300	0.00000	0.00000	0.00423
Micronutrients		28.70000	6.90000	6.89000	13.80000	1.85000	0.51400	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Mn		0.01800	0.00361	0.00360	0.00817	0.00084	0.00024	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NPK as N		3.07000	0.70600	0.70500	1.32000	0.16700	0.04660	0	0.00050	0.00006	0.00001	0.00001	0.00050	0.00100	0.00000	0.00000	0.00157
NPK for P2O5		0.61500	0.12200	0.12200	0.25000	0.02350	0.00705	0	0.00007	0.00001	0.00000	0.00000	0.00007	0.00010	0.00000	0.00000	0.00018
P2O5 - 1		0.56900	0.13400	0.13400	0.26400	0.03020	0.00875	0	0.00020	0.00002	0.00000	0.00000	0.00020	0.00040	0.00000	0.00000	0.00063
Potash		0.01510	0.00282	0.00282	0.00616	0.00087	0.00024	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
S as Nutrient		0.08870	0.01730	0.01730	0.03710	0.00336	0.00111	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		2.68000	0.58900	0.58900	1.18000	0.14000	0.04010	0	0.00002	0.00000	0.00000	0.00000	0.00002	0.00005	0.00000	0.00000	0.00007
Grand Island, NE		Boron	0.00677	0.00199	0.00199	0.00356	0.00057	0.00015	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	2.65000	0.66400	0.66300	1.30000	0.16200	0.04860	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	54.00000	8.47000	8.47000	22.10000	2.03000	0.72200	0	0.00030	0.00002	0.00000	0.00000	0.00030	0.00050	0.00000	0.00000	0.00083
	Micronutrients	23.20000	5.28000	5.27000	10.50000	1.48000	0.38500	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.01340	0.00270	0.00270	0.00627	0.00061	0.00018	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	2.22000	0.49900	0.49800	1.00000	0.12700	0.03590	0	0.00010	0.00001	0.00000	0.00000	0.00010	0.00020	0.00000	0.00000	0.00031
	NPK for P2O5	0.51300	0.08690	0.08680	0.18900	0.01700	0.00539	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00003	0.00000	0.00000	0.00004
	P2O5 - 1	0.47200	0.10100	0.10100	0.21700	0.02290	0.00689	0	0.00004	0.00000	0.00000	0.00000	0.00004	0.00007	0.00000	0.00000	0.00011
	Potash	0.01060	0.00219	0.00219	0.00428	0.00061	0.00017	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.06760	0.01310	0.01310	0.02900	0.00255	0.00081	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	2.11000	0.42700	0.42700	0.92300	0.11900	0.03250	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00001

**90th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Copper (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	0.00151	0.00151	0.00292	0.00041	0.00011	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Gypsum Products	2.03000	0.46000	0.45800	0.94000	0.11900	0.03340	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	34.70000	5.22000	5.20000	13.60000	1.19000	0.42800	0	0.00009	0.00001	0.00000	0.00000	0.00010	0.00020	0.00000	0.00000	0.00031	
	Micronutrients	17.60000	3.88000	3.87000	8.04000	0.94500	0.27600	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Mn	0.01020	0.00195	0.00194	0.00438	0.00041	0.00013	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	NPK as N	1.57000	0.33800	0.33700	0.67200	0.08710	0.02740	0	0.00004	0.00001	0.00000	0.00000	0.00004	0.00008	0.00000	0.00000	0.00013	
	NPK for P2O5	0.35000	0.05200	0.05180	0.12800	0.01040	0.00352	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00002	
	P2O5 - 1	0.34800	0.06640	0.06610	0.15800	0.01740	0.00499	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00003	0.00000	0.00000	0.00004	
	Potash	0.00692	0.00144	0.00143	0.00294	0.00044	0.00012	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Nutrient	0.04610	0.00925	0.00923	0.01970	0.00188	0.00066	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	1.61000	0.29700	0.29700	0.68600	0.08340	0.02370	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	
	Las Vegas, NV	Boron	0.00782	0.00259	0.00259	0.00424	0.00081	0.00020	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
		Gypsum Products	3.60000	0.88700	0.88600	1.70000	0.21700	0.06180	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Liming Materials		84.90000	11.60000	11.50000	29.70000	2.97000	1.04000	0	0.00100	0.00009	0.00001	0.00001	0.00100	0.00200	0.00000	0.00000	0.00311	
Micronutrients		28.90000	6.86000	6.86000	13.70000	1.86000	0.50100	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
Mn		0.01810	0.00358	0.00357	0.00827	0.00080	0.00024	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
NPK as N		3.05000	0.70200	0.70200	1.34000	0.16200	0.04650	0	0.00050	0.00004	0.00001	0.00001	0.00050	0.00100	0.00000	0.00000	0.00155	
NPK for P2O5		0.60000	0.12200	0.12200	0.25400	0.02350	0.00697	0	0.00006	0.00001	0.00000	0.00000	0.00006	0.00010	0.00000	0.00000	0.00017	
P2O5 - 1		0.57000	0.13700	0.13700	0.26600	0.03110	0.00898	0	0.00020	0.00001	0.00000	0.00000	0.00020	0.00030	0.00000	0.00000	0.00051	
Potash		0.01500	0.00278	0.00278	0.00610	0.00085	0.00024	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
S as Nutrient		0.09040	0.01750	0.01750	0.03650	0.00327	0.00110	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc		2.68000	0.57800	0.57800	1.18000	0.14000	0.03940	0	0.00002	0.00000	0.00000	0.00000	0.00002	0.00004	0.00000	0.00000	0.00006	
Los Angeles, CA		Boron	0.00692	0.00214	0.00214	0.00369	0.00065	0.00017	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
		Gypsum Products	2.84000	0.73200	0.73000	1.40000	0.18600	0.05340	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	65.50000	9.66000	9.63000	25.90000	2.47000	0.87800	0	0.00040	0.00007	0.00001	0.00000	0.00050	0.00100	0.00000	0.00000	0.00158	
	Micronutrients	25.10000	5.58000	5.57000	11.70000	1.64000	0.43700	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Mn	0.01450	0.00298	0.00297	0.00711	0.00070	0.00021	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	NPK as N	2.51000	0.56700	0.56700	1.10000	0.14200	0.04170	0	0.00020	0.00003	0.00000	0.00000	0.00020	0.00040	0.00000	0.00000	0.00064	
	NPK for P2O5	0.54500	0.09500	0.09430	0.20300	0.01920	0.00630	0	0.00002	0.00000	0.00000	0.00000	0.00002	0.00005	0.00000	0.00000	0.00007	
	P2O5 - 1	0.48900	0.11200	0.11200	0.23000	0.02600	0.00769	0	0.00006	0.00001	0.00000	0.00000	0.00007	0.00010	0.00000	0.00000	0.00018	
	Potash	0.01210	0.00242	0.00241	0.00497	0.00069	0.00020	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Nutrient	0.07570	0.01440	0.01440	0.03120	0.00284	0.00092	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	2.20000	0.47500	0.47400	1.00000	0.12700	0.03590	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003	

**90th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Copper (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	0.00539	0.00135	0.00134	0.00259	0.00035	0.00010	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Gypsum Products	1.76000	0.39900	0.39900	0.81500	0.10200	0.02980	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	28.60000	4.26000	4.24000	10.90000	1.00000	0.33900	0	0.00006	0.00001	0.00000	0.00000	0.00007	0.00010	0.00000	0.00000	0.00000	
	Micronutrients	15.60000	3.22000	3.21000	7.01000	0.81600	0.25100	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Mn	0.00886	0.00155	0.00155	0.00371	0.00034	0.00011	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	NPK as N	1.34000	0.27400	0.27300	0.54500	0.07140	0.02410	0	0.00003	0.00001	0.00000	0.00000	0.00003	0.00006	0.00000	0.00000	0.00010	
	NPK for P2O5	0.29900	0.04430	0.04420	0.10500	0.00882	0.00299	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001	
	P2O5 - 1	0.31600	0.05780	0.05750	0.13200	0.01440	0.00427	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003	
	Potash	0.00551	0.00126	0.00125	0.00253	0.00035	0.00010	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Nutrient	0.04070	0.00780	0.00777	0.01640	0.00164	0.00057	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	1.40000	0.25700	0.25600	0.60000	0.06780	0.02090	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Miami, FL	Boron	0.00523	0.00133	0.00133	0.00260	0.00033	0.00009	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
		Gypsum Products	1.84000	0.41400	0.41400	0.83800	0.10300	0.03050	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
		Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liming Materials		31.80000	4.69000	4.68000	12.10000	1.02000	0.35600	0	0.00008	0.00001	0.00000	0.00000	0.00008	0.00020	0.00000	0.00000	0.00029	
Micronutrients		15.90000	3.48000	3.48000	7.15000	0.83000	0.24500	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000		
Mn		0.00884	0.00159	0.00159	0.00390	0.00036	0.00012	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000		
NPK as N		1.45000	0.29100	0.29100	0.57600	0.07430	0.02080	0	0.00003	0.00000	0.00000	0.00000	0.00003	0.00006	0.00000	0.00000		
NPK for P2O5		0.28500	0.04670	0.04660	0.11100	0.00960	0.00306	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000		
P2O5 - 1		0.30500	0.05960	0.05950	0.13600	0.01450	0.00444	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000		
Potash		0.00577	0.00127	0.00127	0.00262	0.00036	0.00010	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000		
S as Nutrient		0.04000	0.00793	0.00791	0.01670	0.00158	0.00054	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000		
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Zinc		1.40000	0.27100	0.27100	0.60700	0.06650	0.02100	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000		
Minneapolis, MN		Boron	0.00640	0.00186	0.00186	0.00336	0.00053	0.00014	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
		Gypsum Products	2.49000	0.63100	0.62900	1.18000	0.15000	0.04360	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	
		Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	50.70000	7.82000	7.79000	20.20000	1.88000	0.64800	0	0.00020	0.00003	0.00000	0.00000	0.00020	0.00040	0.00000	0.00000		
	Micronutrients	21.60000	4.77000	4.76000	9.84000	1.40000	0.36300	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000			
	Mn	0.01240	0.00257	0.00256	0.00557	0.00056	0.00017	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000			
	NPK as N	2.08000	0.46700	0.46600	0.89100	0.11400	0.03370	0	0.00008	0.00001	0.00000	0.00000	0.00009	0.00020	0.00000	0.00030		
	NPK for P2O5	0.44400	0.07730	0.07710	0.17600	0.01560	0.00524	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00003		
	P2O5 - 1	0.43400	0.09370	0.09300	0.20000	0.02240	0.00661	0	0.00003	0.00001	0.00000	0.00000	0.00003	0.00006	0.00000	0.00010		
	Potash	0.00925	0.00201	0.00200	0.00384	0.00059	0.00016	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000			
	S as Nutrient	0.06030	0.01230	0.01220	0.02680	0.00241	0.00077	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000			
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	Zinc	1.96000	0.39400	0.39200	0.87300	0.11100	0.03110	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000			

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Copper (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	0.00559	0.00149	0.00148	0.00286	0.00040	0.00011	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Gypsum Products	1.98000	0.46100	0.45900	0.91200	0.11600	0.03220	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	33.70000	5.21000	5.16000	13.30000	1.22000	0.40900	0	0.00009	0.00003	0.00000	0.00000	0.00010	0.00030	0.00000	0.00000	0.00043	
	Micronutrients	17.30000	3.84000	3.82000	7.80000	0.93500	0.28000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Mn	0.00995	0.00191	0.00191	0.00432	0.00040	0.00013	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	NPK as N	1.53000	0.32800	0.32700	0.64600	0.08920	0.02660	0	0.00004	0.00001	0.00000	0.00000	0.00005	0.00010	0.00000	0.00000	0.00016	
	NPK for P2O5	0.33600	0.05150	0.05110	0.12500	0.01080	0.00348	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00002	
	P2O5 - 1	0.34600	0.06540	0.06430	0.15500	0.01680	0.00493	0	0.00001	0.00001	0.00000	0.00000	0.00002	0.00004	0.00000	0.00000	0.00007	
	Potash	0.00666	0.00138	0.00137	0.00281	0.00044	0.00012	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Nutrient	0.04530	0.00912	0.00905	0.01910	0.00186	0.00064	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	1.55000	0.29300	0.29200	0.67000	0.08150	0.02340	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001	
	Salem, OR	Boron	0.00572	0.00152	0.00151	0.00290	0.00041	0.00011	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
		Gypsum Products	2.03000	0.47000	0.46900	0.91800	0.11900	0.03290	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
		Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Liming Materials		35.70000	5.31000	5.30000	13.80000	1.22000	0.42600	0	0.00009	0.00001	0.00000	0.00000	0.00010	0.00020	0.00000	0.00000	0.00031	
Micronutrients		17.60000	3.86000	3.85000	7.99000	0.96700	0.27800	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
Mn		0.01000	0.00200	0.00199	0.00450	0.00040	0.00013	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
NPK as N		1.59000	0.33800	0.33800	0.66300	0.08850	0.02830	0	0.00004	0.00000	0.00000	0.00000	0.00004	0.00008	0.00000	0.00000	0.00013	
NPK for P2O5		0.32400	0.05410	0.05410	0.12800	0.01040	0.00360	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00002	
P2O5 - 1		0.34400	0.06650	0.06620	0.15800	0.01740	0.00506	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00003	0.00000	0.00000	0.00004	
Potash		0.00692	0.00144	0.00144	0.00297	0.00045	0.00012	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
S as Nutrient		0.04590	0.00929	0.00928	0.01980	0.00182	0.00064	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc		1.61000	0.30800	0.30700	0.69700	0.08480	0.02390	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	
Salt Lake City, UT		Boron	0.00812	0.00274	0.00273	0.00437	0.00084	0.00021	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
		Gypsum Products	3.71000	0.93200	0.93000	1.74000	0.22700	0.06330	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003
		Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Liming Materials	88.20000	12.20000	12.20000	31.10000	3.29000	1.09000	0	0.00100	0.00020	0.00003	0.00001	0.00200	0.00300	0.00000	0.00000	0.00524	
	Micronutrients	30.10000	7.17000	7.15000	14.20000	1.93000	0.52500	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Mn	0.01840	0.00372	0.00371	0.00857	0.00085	0.00025	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	NPK as N	3.12000	0.73400	0.73200	1.34000	0.17600	0.04890	0	0.00060	0.00009	0.00001	0.00001	0.00060	0.00100	0.00000	0.00000	0.00171	
	NPK for P2O5	0.63000	0.12400	0.12300	0.25000	0.02410	0.00737	0	0.00008	0.00001	0.00000	0.00000	0.00008	0.00020	0.00000	0.00000	0.00029	
	P2O5 - 1	0.59200	0.13800	0.13800	0.27500	0.03150	0.00928	0	0.00020	0.00003	0.00000	0.00000	0.00020	0.00050	0.00000	0.00000	0.00074	
	Potash	0.01580	0.00298	0.00297	0.00648	0.00087	0.00026	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Nutrient	0.09440	0.01860	0.01860	0.03800	0.00343	0.00115	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	2.78000	0.61700	0.61500	1.21000	0.14500	0.04150	0	0.00003	0.00000	0.00000	0.00000	0.00003	0.00006	0.00000	0.00000	0.00009	

**90th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Copper (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	0.00696	0.00224	0.00223	0.00373	0.00068	0.00017	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Gypsum Products	2.91000	0.74600	0.74600	1.44000	0.18700	0.05200	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001	
	Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Liming Materials	68.60000	9.98000	9.96000	26.60000	2.48000	0.83600	0	0.00050	0.00005	0.00001	0.00001	0.00050	0.00100	0.00000	0.00000	0.00156	
	Micronutrients	24.80000	5.76000	5.75000	11.60000	1.62000	0.43500	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	Mn	0.01500	0.00309	0.00309	0.00706	0.00071	0.00021	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	NPK as N	2.68000	0.57600	0.57500	1.16000	0.14900	0.04220	0	0.00020	0.00002	0.00000	0.00000	0.00020	0.00040	0.00000	0.00000	0.00063	
	NPK for P2O5	0.55100	0.10300	0.10200	0.20600	0.01990	0.00648	0	0.00003	0.00000	0.00000	0.00000	0.00003	0.00006	0.00000	0.00000	0.00009	
	P2O5 - 1	0.48900	0.11400	0.11400	0.23300	0.02580	0.00765	0	0.00008	0.00001	0.00000	0.00000	0.00008	0.00020	0.00000	0.00000	0.00029	
	Potash	0.01240	0.00237	0.00237	0.00513	0.00073	0.00020	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Nutrient	0.07690	0.01510	0.01510	0.03240	0.00285	0.00095	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	2.23000	0.49000	0.48800	1.03000	0.12700	0.03500	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003	
	Winnemucca, NV	Boron	0.00753	0.00244	0.00244	0.00407	0.00076	0.00019	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
		Gypsum Products	3.32000	0.84000	0.84000	1.60000	0.20400	0.05760	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	
Iron		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Liming Materials		78.00000	11.20000	11.20000	28.50000	2.84000	0.97100	0	0.00090	0.00004	0.00001	0.00001	0.00080	0.00200	0.00000	0.00000	0.00286	
Micronutrients		28.00000	6.53000	6.53000	13.20000	1.78000	0.48900	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000		
Mn		0.01680	0.00341	0.00341	0.00778	0.00075	0.00023	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000		
NPK as N		2.94000	0.64200	0.64200	1.32000	0.15800	0.04560	0	0.00040	0.00002	0.00000	0.00000	0.00030	0.00070	0.00000	0.00000		
NPK for P2O5		0.57800	0.11200	0.11200	0.23800	0.02100	0.00668	0	0.00005	0.00000	0.00000	0.00000	0.00004	0.00008	0.00000	0.00012		
P2O5 - 1		0.54100	0.12500	0.12500	0.25200	0.02960	0.00855	0	0.00010	0.00001	0.00000	0.00000	0.00010	0.00020	0.00000	0.00031		
Potash		0.01400	0.00275	0.00275	0.00601	0.00081	0.00023	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000		
S as Nutrient		0.08550	0.01630	0.01630	0.03510	0.00320	0.00105	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000		
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Zinc		2.54000	0.55600	0.55600	1.13000	0.14000	0.03950	0	0.00002	0.00000	0.00000	0.00000	0.00001	0.00003	0.00000	0.00004		

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.