

US EPA ARCHIVE DOCUMENT

**99th 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	0.00866	0.00383	0.00383	0.00546	0.00239	0.00057	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	4.92000	1.65000	1.64000	2.52000	0.88100	0.20900	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	279.00000	53.10000	53.00000	134.00000	30.00000	7.50000	0	0.00030	0.00002	0.00000	0.00000	0.00020	0.00050	0.00000	0.00000	0.00073
	Micronutrients	37.70000	12.40000	12.40000	19.70000	7.69000	1.80000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02610	0.00707	0.00706	0.01490	0.00400	0.00095	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	36.80000	7.86000	7.86000	14.20000	1.66000	0.45100	0	0.00010	0.00001	0.00000	0.00000	0.00010	0.00020	0.00000	0.00000	0.00031
	NPK for P2O5	5.67000	0.99400	0.99200	2.24000	0.38600	0.10500	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00003	0.00000	0.00000	0.00004
	P2O5 - 1	15.30000	2.66000	2.66000	5.25000	0.68500	0.19600	0	0.00004	0.00000	0.00000	0.00000	0.00004	0.00007	0.00000	0.00000	0.00011
	Potash	0.04760	0.01350	0.01350	0.02230	0.00353	0.00096	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.14600	0.04240	0.04240	0.07710	0.01570	0.00421	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	3.45000	1.37000	1.37000	1.84000	0.54900	0.13200	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001
	Boise, ID	Boron	0.00953	0.00460	0.00460	0.00631	0.00334	0.00078	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Gypsum Products		6.22000	2.30000	2.30000	3.50000	0.97700	0.23200	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		350.00000	101.00000	101.00000	191.00000	37.70000	10.40000	0	0.00100	0.00020	0.00002	0.00001	0.00100	0.00300	0.00000	0.00000	0.00423
Micronutrients		44.90000	16.40000	16.40000	25.60000	9.70000	2.28000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Mn		0.02970	0.01000	0.01000	0.01740	0.00518	0.00124	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NPK as N		47.40000	11.20000	11.10000	18.80000	1.99000	0.58700	0	0.00050	0.00007	0.00001	0.00001	0.00060	0.00100	0.00000	0.00000	0.00169
NPK for P2O5		7.78000	1.34000	1.33000	2.91000	0.49100	0.12800	0	0.00007	0.00001	0.00000	0.00000	0.00007	0.00010	0.00000	0.00000	0.00018
P2O5 - 1		19.60000	3.35000	3.34000	7.30000	0.88200	0.26900	0	0.00020	0.00003	0.00000	0.00000	0.00020	0.00040	0.00000	0.00000	0.00064
Potash		0.08020	0.01860	0.01860	0.03210	0.00513	0.00139	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
S as Nutrient		0.16100	0.05080	0.05070	0.09150	0.02220	0.00550	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		4.08000	1.65000	1.64000	2.24000	0.79100	0.19400	0	0.00002	0.00000	0.00000	0.00000	0.00002	0.00005	0.00000	0.00000	0.00007
Boulder, CO		Boron	0.00919	0.00422	0.00422	0.00592	0.00302	0.00074	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	5.71000	2.03000	2.03000	3.04000	0.91100	0.21500	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	330.00000	86.50000	86.40000	173.00000	34.00000	9.36000	0	0.00080	0.00010	0.00001	0.00001	0.00080	0.00200	0.00000	0.00000	0.00292
	Micronutrients	41.40000	16.20000	16.20000	22.20000	9.06000	2.18000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02790	0.00889	0.00887	0.01580	0.00477	0.00114	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	43.70000	9.64000	9.61000	17.10000	1.88000	0.55900	0	0.00030	0.00004	0.00001	0.00000	0.00030	0.00070	0.00000	0.00000	0.00105
	NPK for P2O5	7.34000	1.18000	1.18000	2.80000	0.42700	0.12000	0	0.00004	0.00001	0.00000	0.00000	0.00004	0.00009	0.00000	0.00000	0.00014
	P2O5 - 1	17.80000	3.00000	3.00000	6.86000	0.84200	0.23900	0	0.00010	0.00002	0.00000	0.00000	0.00010	0.00030	0.00000	0.00000	0.00042
	Potash	0.06880	0.01760	0.01760	0.03190	0.00469	0.00126	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.15700	0.04680	0.04680	0.08590	0.02110	0.00542	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	3.72000	1.52000	1.52000	2.14000	0.74700	0.18300	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	0.00891	0.00381	0.00381	0.00558	0.00266	0.00065	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	5.28000	1.78000	1.78000	2.64000	0.89300	0.21200	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	290.00000	70.40000	70.40000	154.00000	30.00000	8.44000	0	0.00040	0.00003	0.00001	0.00000	0.00040	0.00080	0.00000	0.00000	0.00124
	Micronutrients	38.10000	14.60000	14.50000	20.70000	8.27000	1.97000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02680	0.00739	0.00739	0.01500	0.00415	0.00098	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	39.80000	8.29000	8.28000	15.10000	1.75000	0.46700	0	0.00020	0.00001	0.00000	0.00000	0.00020	0.00030	0.00000	0.00000	0.00051
	NPK for P2O5	6.08000	1.08000	1.08000	2.55000	0.39500	0.11100	0	0.00002	0.00000	0.00000	0.00000	0.00002	0.00004	0.00000	0.00000	0.00006
	P2O5 - 1	16.20000	2.82000	2.82000	5.69000	0.73200	0.20400	0	0.00006	0.00001	0.00000	0.00000	0.00006	0.00010	0.00000	0.00000	0.00017
	Potash	0.05740	0.01610	0.01600	0.02640	0.00398	0.00104	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.14400	0.04470	0.04470	0.07890	0.01700	0.00447	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	3.50000	1.41000	1.41000	1.88000	0.64500	0.15100	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00002
	Charleston, SC	Boron	0.00814	0.00321	0.00321	0.00471	0.00173	0.00041	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Gypsum Products		4.24000	1.15000	1.14000	2.15000	0.52700	0.12200	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		237.00000	40.70000	40.60000	104.00000	17.90000	4.29000	0	0.00008	0.00002	0.00000	0.00000	0.00009	0.00020	0.00000	0.00000	0.00031
Micronutrients		32.80000	10.60000	10.60000	17.10000	5.05000	1.22000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Mn		0.02280	0.00592	0.00591	0.01120	0.00234	0.00055	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NPK as N		21.60000	6.02000	6.00000	7.62000	1.00000	0.32100	0	0.00003	0.00001	0.00000	0.00000	0.00004	0.00008	0.00000	0.00000	0.00013
NPK for P2O5		3.98000	0.84900	0.84600	1.72000	0.31800	0.07580	0	0.00000	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00002
P2O5 - 1		10.90000	1.46000	1.46000	3.95000	0.40700	0.15900	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00003	0.00000	0.00000	0.00004
Potash		0.02940	0.00774	0.00773	0.01450	0.00254	0.00075	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
S as Nutrient		0.13200	0.03700	0.03700	0.06770	0.01180	0.00296	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		2.86000	1.17000	1.17000	1.64000	0.42500	0.10000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001
Chicago, IL		Boron	0.00841	0.00353	0.00353	0.00500	0.00184	0.00046	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	4.49000	1.34000	1.34000	2.29000	0.63000	0.14600	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	262.00000	44.10000	44.00000	116.00000	21.60000	5.42000	0	0.00010	0.00003	0.00000	0.00000	0.00010	0.00030	0.00000	0.00000	0.00043
	Micronutrients	35.50000	10.70000	10.70000	18.60000	6.03000	1.45000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02440	0.00644	0.00641	0.01310	0.00308	0.00074	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	26.60000	6.99000	6.98000	9.89000	1.23000	0.37200	0	0.00005	0.00001	0.00000	0.00000	0.00005	0.00010	0.00000	0.00000	0.00016
	NPK for P2O5	4.50000	0.91300	0.90400	1.90000	0.35200	0.08710	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003
	P2O5 - 1	12.70000	1.80000	1.79000	4.64000	0.52100	0.18400	0	0.00002	0.00000	0.00000	0.00000	0.00002	0.00004	0.00000	0.00000	0.00006
	Potash	0.03530	0.00888	0.00886	0.01730	0.00305	0.00084	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.14100	0.03940	0.03930	0.07240	0.01350	0.00338	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	3.13000	1.21000	1.20000	1.68000	0.47800	0.12200	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	0.00833	0.00357	0.00357	0.00506	0.00180	0.00044	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	4.45000	1.35000	1.34000	2.27000	0.62500	0.14500	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	270.00000	43.50000	43.20000	121.00000	21.40000	5.64000	0	0.00010	0.00003	0.00000	0.00000	0.00010	0.00030	0.00000	0.00000	0.00044
	Micronutrients	35.70000	10.70000	10.70000	18.80000	5.80000	1.39000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02370	0.00621	0.00619	0.01290	0.00292	0.00069	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	25.30000	6.87000	6.84000	9.31000	1.22000	0.34400	0	0.00004	0.00001	0.00000	0.00000	0.00005	0.00010	0.00000	0.00000	0.00016
	NPK for P2O5	4.51000	0.90600	0.90000	1.89000	0.34500	0.08670	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003
	P2O5 - 1	12.70000	1.73000	1.72000	4.55000	0.49200	0.17500	0	0.00002	0.00001	0.00000	0.00000	0.00002	0.00004	0.00000	0.00000	0.00007
	Potash	0.03570	0.00933	0.00927	0.01700	0.00290	0.00080	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.14000	0.03800	0.03790	0.07380	0.01370	0.00329	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	3.11000	1.22000	1.22000	1.73000	0.47400	0.12000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001
	Fresno, CA	Boron	0.00939	0.00444	0.00444	0.00614	0.00299	0.00069	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Gypsum Products		5.85000	2.27000	2.27000	3.31000	0.97800	0.23200	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		332.00000	101.00000	101.00000	184.00000	37.70000	9.43000	0	0.00100	0.00020	0.00002	0.00001	0.00100	0.00300	0.00000	0.00000	0.00423
Micronutrients		43.70000	16.40000	16.40000	24.80000	9.42000	2.28000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Mn		0.02880	0.00910	0.00909	0.01740	0.00483	0.00119	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NPK as N		45.80000	10.90000	10.80000	18.50000	1.97000	0.57700	0	0.00050	0.00006	0.00001	0.00001	0.00050	0.00100	0.00000	0.00000	0.00157
NPK for P2O5		7.73000	1.29000	1.28000	3.01000	0.49000	0.12800	0	0.00007	0.00001	0.00000	0.00000	0.00007	0.00010	0.00000	0.00000	0.00018
P2O5 - 1		19.20000	3.13000	3.12000	7.27000	0.82300	0.24900	0	0.00020	0.00002	0.00000	0.00000	0.00020	0.00040	0.00000	0.00000	0.00063
Potash		0.07470	0.01820	0.01810	0.03320	0.00510	0.00132	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
S as Nutrient		0.16000	0.04990	0.04980	0.08770	0.02220	0.00556	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		3.95000	1.61000	1.61000	2.20000	0.76300	0.18700	0	0.00002	0.00000	0.00000	0.00000	0.00002	0.00005	0.00000	0.00000	0.00007
Grand Island, NE		Boron	0.00900	0.00385	0.00385	0.00548	0.00249	0.00061	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	4.98000	1.68000	1.67000	2.54000	0.84000	0.19600	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	284.00000	54.00000	54.00000	137.00000	30.20000	7.88000	0	0.00030	0.00002	0.00000	0.00000	0.00030	0.00050	0.00000	0.00000	0.00083
	Micronutrients	38.90000	13.50000	13.50000	19.70000	7.30000	1.75000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02670	0.00713	0.00713	0.01490	0.00402	0.00096	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	37.10000	8.18000	8.18000	14.30000	1.72000	0.46200	0	0.00010	0.00001	0.00000	0.00000	0.00010	0.00020	0.00000	0.00000	0.00031
	NPK for P2O5	5.68000	1.05000	1.05000	2.52000	0.39800	0.11000	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00003	0.00000	0.00000	0.00004
	P2O5 - 1	15.80000	2.66000	2.66000	5.42000	0.65100	0.19000	0	0.00004	0.00000	0.00000	0.00000	0.00004	0.00007	0.00000	0.00000	0.00011
	Potash	0.04710	0.01420	0.01420	0.02280	0.00360	0.00097	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.15000	0.04230	0.04230	0.07920	0.01650	0.00410	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	3.46000	1.36000	1.35000	1.90000	0.55800	0.13300	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00001

**99th 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	0.00846	0.00339	0.00339	0.00507	0.00182	0.00045	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	4.61000	1.24000	1.24000	2.27000	0.58600	0.13600	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	258.00000	42.60000	42.50000	113.00000	20.60000	4.94000	0	0.00009	0.00001	0.00000	0.00000	0.00010	0.00020	0.00000	0.00000	0.00031
	Micronutrients	34.70000	11.10000	11.10000	18.60000	5.38000	1.29000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02410	0.00634	0.00633	0.01200	0.00257	0.00060	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	23.90000	6.61000	6.59000	8.25000	1.07000	0.34400	0	0.00004	0.00001	0.00000	0.00000	0.00004	0.00008	0.00000	0.00000	0.00013
	NPK for P2O5	4.14000	0.89800	0.89300	1.85000	0.34400	0.08530	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00002
	P2O5 - 1	11.90000	1.68000	1.67000	4.38000	0.45000	0.17000	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00003	0.00000	0.00000	0.00004
	Potash	0.03140	0.00865	0.00864	0.01550	0.00275	0.00080	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.13800	0.03980	0.03970	0.07400	0.01270	0.00318	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	3.01000	1.22000	1.22000	1.72000	0.44700	0.11100	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001
	Las Vegas, NV	Boron	0.00936	0.00446	0.00446	0.00606	0.00311	0.00073	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Gypsum Products		6.12000	2.38000	2.38000	3.29000	0.96700	0.23200	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		341.00000	101.00000	101.00000	185.00000	37.50000	9.64000	0	0.00100	0.00009	0.00001	0.00001	0.00100	0.00200	0.00000	0.00000	0.00311
Micronutrients		43.20000	16.40000	16.40000	24.30000	9.30000	2.23000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Mn		0.02940	0.00939	0.00939	0.01710	0.00483	0.00115	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NPK as N		45.40000	10.80000	10.80000	18.40000	1.97000	0.57300	0	0.00050	0.00004	0.00001	0.00001	0.00050	0.00100	0.00000	0.00000	0.00155
NPK for P2O5		7.14000	1.28000	1.28000	2.91000	0.47000	0.12300	0	0.00006	0.00001	0.00000	0.00000	0.00006	0.00010	0.00000	0.00000	0.00017
P2O5 - 1		19.60000	3.12000	3.12000	7.27000	0.85000	0.25300	0	0.00020	0.00001	0.00000	0.00000	0.00020	0.00030	0.00000	0.00000	0.00051
Potash		0.07630	0.01820	0.01820	0.03210	0.00508	0.00140	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
S as Nutrient		0.16000	0.04950	0.04950	0.08630	0.02150	0.00537	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		3.93000	1.57000	1.57000	2.21000	0.76300	0.18100	0	0.00002	0.00000	0.00000	0.00000	0.00002	0.00004	0.00000	0.00000	0.00006
Los Angeles, CA		Boron	0.00882	0.00389	0.00388	0.00563	0.00277	0.00066	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	5.31000	1.78000	1.78000	2.75000	0.90400	0.21600	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	296.00000	73.70000	73.70000	156.00000	33.00000	8.56000	0	0.00040	0.00007	0.00001	0.00000	0.00050	0.00100	0.00000	0.00000	0.00158
	Micronutrients	39.10000	15.10000	15.00000	21.50000	8.59000	2.07000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02670	0.00770	0.00769	0.01510	0.00418	0.00102	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	41.10000	8.36000	8.34000	15.30000	1.80000	0.49800	0	0.00020	0.00003	0.00000	0.00000	0.00020	0.00040	0.00000	0.00000	0.00064
	NPK for P2O5	6.38000	1.09000	1.09000	2.64000	0.40400	0.11300	0	0.00002	0.00000	0.00000	0.00000	0.00002	0.00005	0.00000	0.00000	0.00007
	P2O5 - 1	16.50000	2.82000	2.81000	5.84000	0.78800	0.21000	0	0.00006	0.00001	0.00000	0.00000	0.00007	0.00010	0.00000	0.00000	0.00018
	Potash	0.05920	0.01650	0.01640	0.02650	0.00398	0.00109	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.15100	0.04180	0.04170	0.08060	0.01760	0.00451	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	3.52000	1.47000	1.46000	1.91000	0.62600	0.15100	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003

**99th 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	0.00811	0.00302	0.00301	0.00461	0.00158	0.00038	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	4.13000	1.09000	1.08000	2.11000	0.50400	0.12300	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	230.00000	41.50000	41.20000	98.50000	15.20000	3.77000	0	0.00006	0.00001	0.00000	0.00000	0.00007	0.00010	0.00000	0.00000	0.00018
	Micronutrients	32.70000	9.77000	9.76000	16.10000	4.48000	1.21000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02260	0.00586	0.00585	0.01100	0.00209	0.00053	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	18.50000	5.57000	5.55000	7.86000	1.10000	0.29900	0	0.00003	0.00001	0.00000	0.00000	0.00003	0.00006	0.00000	0.00000	0.00010
	NPK for P2O5	3.82000	0.79800	0.79400	1.60000	0.27100	0.06480	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001
	P2O5 - 1	10.10000	1.32000	1.31000	3.83000	0.38500	0.15800	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003
	Potash	0.02770	0.00719	0.00718	0.01350	0.00258	0.00072	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.13300	0.03410	0.03410	0.06280	0.01140	0.00284	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	2.83000	1.09000	1.09000	1.59000	0.37200	0.08840	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Miami, FL	Boron	0.00788	0.00295	0.00295	0.00444	0.00157	0.00040	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Gypsum Products		4.00000	1.12000	1.12000	2.09000	0.52100	0.12400	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		204.00000	36.30000	36.20000	97.50000	16.20000	4.33000	0	0.00008	0.00001	0.00000	0.00000	0.00008	0.00020	0.00000	0.00000	0.00029
Micronutrients		30.20000	9.22000	9.22000	15.00000	4.85000	1.17000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Mn		0.02130	0.00564	0.00564	0.01110	0.00221	0.00055	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NPK as N		21.70000	4.49000	4.49000	7.81000	1.01000	0.27800	0	0.00003	0.00000	0.00000	0.00000	0.00003	0.00006	0.00000	0.00000	0.00009
NPK for P2O5		3.98000	0.84900	0.84800	1.42000	0.21200	0.07000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001
P2O5 - 1		11.10000	1.43000	1.43000	4.05000	0.41900	0.16100	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003
Potash		0.02810	0.00771	0.00770	0.01370	0.00236	0.00059	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
S as Nutrient		0.12900	0.03740	0.03740	0.06550	0.01210	0.00304	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		2.87000	1.17000	1.17000	1.49000	0.38500	0.08910	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Minneapolis, MN		Boron	0.00865	0.00377	0.00377	0.00523	0.00234	0.00054	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	4.83000	1.52000	1.52000	2.40000	0.86300	0.20100	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	283.00000	51.50000	51.40000	125.00000	28.40000	6.92000	0	0.00020	0.00003	0.00000	0.00000	0.00020	0.00040	0.00000	0.00000	0.00064
	Micronutrients	37.10000	12.00000	12.00000	19.00000	7.37000	1.77000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02550	0.00654	0.00651	0.01380	0.00365	0.00087	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	33.50000	8.10000	8.06000	13.10000	1.42000	0.45600	0	0.00008	0.00001	0.00000	0.00000	0.00009	0.00020	0.00000	0.00000	0.00030
	NPK for P2O5	5.35000	1.03000	1.03000	2.24000	0.39000	0.10100	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003
	P2O5 - 1	14.40000	2.47000	2.45000	5.03000	0.61200	0.19800	0	0.00003	0.00001	0.00000	0.00000	0.00003	0.00006	0.00000	0.00000	0.00010
	Potash	0.04250	0.01210	0.01210	0.02090	0.00322	0.00097	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.14300	0.04060	0.04050	0.07630	0.01570	0.00401	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	3.28000	1.28000	1.28000	1.84000	0.50600	0.12000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001

**99th 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
Raleigh-Durham, NC	Boron	0.00817	0.00327	0.00326	0.00482	0.00177	0.00044	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	4.47000	1.20000	1.20000	2.13000	0.57300	0.13300	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	245.00000	40.10000	39.90000	109.00000	19.80000	4.90000	0	0.00009	0.00003	0.00000	0.00000	0.00010	0.00030	0.00000	0.00000	0.00043
	Micronutrients	33.60000	10.50000	10.40000	16.90000	5.28000	1.27000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02360	0.00595	0.00593	0.01170	0.00254	0.00059	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	23.40000	6.48000	6.44000	7.93000	1.08000	0.34600	0	0.00004	0.00001	0.00000	0.00000	0.00005	0.00010	0.00000	0.00000	0.00016
	NPK for P2O5	4.05000	0.87000	0.86600	1.73000	0.32300	0.08000	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00002
	P2O5 - 1	11.30000	1.66000	1.65000	4.19000	0.44200	0.17600	0	0.00001	0.00001	0.00000	0.00000	0.00002	0.00004	0.00000	0.00000	0.00007
	Potash	0.03050	0.00847	0.00846	0.01540	0.00267	0.00076	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.13300	0.03740	0.03730	0.06970	0.01240	0.00311	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	2.97000	1.14000	1.14000	1.62000	0.43500	0.10600	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001	0.00000	0.00000	0.00001
	Salem, OR	Boron	0.00822	0.00333	0.00333	0.00487	0.00178	0.00044	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Gypsum Products		4.51000	1.22000	1.22000	2.22000	0.57700	0.13400	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		249.00000	41.30000	41.20000	113.00000	20.40000	5.22000	0	0.00009	0.00001	0.00000	0.00000	0.00010	0.00020	0.00000	0.00000	0.00031
Micronutrients		33.60000	10.70000	10.70000	18.10000	5.60000	1.32000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Mn		0.02380	0.00594	0.00593	0.01230	0.00266	0.00063	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NPK as N		24.40000	6.40000	6.40000	8.41000	1.06000	0.34100	0	0.00004	0.00000	0.00000	0.00000	0.00004	0.00008	0.00000	0.00000	0.00013
NPK for P2O5		4.13000	0.87600	0.87300	1.79000	0.33200	0.08220	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00001	0.00000	0.00000	0.00002
P2O5 - 1		12.10000	1.67000	1.66000	4.35000	0.45100	0.16500	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00003	0.00000	0.00000	0.00004
Potash		0.03240	0.00864	0.00863	0.01580	0.00267	0.00078	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
S as Nutrient		0.13800	0.03870	0.03860	0.07070	0.01300	0.00324	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		3.00000	1.18000	1.18000	1.69000	0.45000	0.10900	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00001
Salt Lake City, UT		Boron	0.00957	0.00459	0.00459	0.00621	0.00299	0.00070	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	6.07000	2.48000	2.47000	3.48000	0.98500	0.23100	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	354.00000	108.00000	108.00000	194.00000	39.10000	9.76000	0	0.00100	0.00020	0.00003	0.00001	0.00200	0.00300	0.00000	0.00000	0.00524
	Micronutrients	45.30000	17.00000	17.00000	25.60000	9.44000	2.27000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02950	0.00997	0.00996	0.01710	0.00506	0.00120	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	46.90000	11.30000	11.30000	19.20000	2.05000	0.61200	0	0.00060	0.00009	0.00001	0.00001	0.00060	0.00100	0.00000	0.00000	0.00171
	NPK for P2O5	8.01000	1.29000	1.29000	2.92000	0.51200	0.13100	0	0.00008	0.00001	0.00000	0.00000	0.00008	0.00020	0.00000	0.00000	0.00029
	P2O5 - 1	19.80000	3.02000	3.01000	7.32000	0.87100	0.26700	0	0.00020	0.00003	0.00000	0.00000	0.00020	0.00050	0.00000	0.00000	0.00074
	Potash	0.07790	0.01870	0.01860	0.03490	0.00556	0.00151	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.16800	0.05180	0.05170	0.09410	0.02120	0.00525	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	4.13000	1.59000	1.59000	2.28000	0.76400	0.19300	0	0.00003	0.00000	0.00000	0.00000	0.00003	0.00006	0.00000	0.00000	0.00009

**99th 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	0.00884	0.00394	0.00393	0.00579	0.00271	0.00065	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	5.26000	1.89000	1.89000	2.85000	0.86900	0.20700	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	296.00000	77.70000	77.60000	159.00000	33.50000	8.47000	0	0.00050	0.00005	0.00001	0.00001	0.00050	0.00100	0.00000	0.00000	0.00156
	Micronutrients	38.40000	14.40000	14.40000	21.90000	8.74000	2.08000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	Mn	0.02650	0.00799	0.00798	0.01510	0.00445	0.00107	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	NPK as N	41.20000	8.47000	8.46000	15.90000	1.81000	0.51200	0	0.00020	0.00002	0.00000	0.00000	0.00020	0.00040	0.00000	0.00000	0.00063
	NPK for P2O5	6.40000	1.13000	1.13000	2.65000	0.41700	0.11800	0	0.00003	0.00000	0.00000	0.00000	0.00003	0.00006	0.00000	0.00000	0.00009
	P2O5 - 1	16.10000	2.96000	2.95000	6.59000	0.82400	0.21400	0	0.00008	0.00001	0.00000	0.00000	0.00008	0.00020	0.00000	0.00000	0.00029
	Potash	0.05940	0.01650	0.01650	0.02800	0.00430	0.00112	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
	S as Nutrient	0.15800	0.04330	0.04320	0.08210	0.01910	0.00474	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	3.55000	1.33000	1.33000	1.95000	0.65400	0.15200	0	0.00001	0.00000	0.00000	0.00000	0.00001	0.00002	0.00000	0.00000	0.00003
	Winnemucca, NV	Boron	0.00909	0.00422	0.00422	0.00592	0.00305	0.00075	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Gypsum Products		5.83000	2.04000	2.04000	3.09000	0.90700	0.21600	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		336.00000	89.40000	89.40000	174.00000	34.10000	9.38000	0	0.00090	0.00004	0.00001	0.00001	0.00080	0.00200	0.00000	0.00000	0.00286
Micronutrients		41.90000	16.30000	16.30000	22.80000	9.35000	2.26000	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
Mn		0.02830	0.00921	0.00920	0.01640	0.00465	0.00114	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
NPK as N		44.30000	8.85000	8.85000	17.90000	1.88000	0.54300	0	0.00040	0.00002	0.00000	0.00000	0.00030	0.00070	0.00000	0.00000	0.00103
NPK for P2O5		7.35000	1.23000	1.23000	2.90000	0.43800	0.12000	0	0.00005	0.00000	0.00000	0.00000	0.00004	0.00008	0.00000	0.00000	0.00012
P2O5 - 1		18.40000	2.99000	2.99000	6.64000	0.87800	0.24600	0	0.00010	0.00001	0.00000	0.00000	0.00010	0.00020	0.00000	0.00000	0.00031
Potash		0.07170	0.01810	0.01810	0.03130	0.00487	0.00127	0	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
S as Nutrient		0.15700	0.04680	0.04680	0.08800	0.02130	0.00539	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		3.79000	1.52000	1.52000	2.18000	0.77300	0.18700	0	0.00002	0.00000	0.00000	0.00000	0.00001	0.00003	0.00000	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.