

US EPA ARCHIVE DOCUMENT

90th Percentile Risks from Application of Fertilizer Products
Cadmium (Child)

Climate Region	Product	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	0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000	0.00020
	Gypsum Products	0.00100	0.02000	0.03000	0.00400	0.00020	0.00007	0.00000	0.00000	0.05427
	Iron	0.00600	0.07000	0.09000	0.01000	0.00071	0.00020	0.00001	0.00000	0.17091
	Liming Materials	0.00710	0.08000	0.10000	0.01000	0.00090	0.00030	0.00002	0.00000	0.19120
	Micronutrients	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
	Mn	0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
	NPK as N	0.00200	0.03000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.07540
	NPK for P2O5	0.00300	0.03000	0.04000	0.00600	0.00030	0.00010	0.00001	0.00000	0.07640
	P2O5 - 1	0.00500	0.07000	0.08000	0.01000	0.00080	0.00020	0.00001	0.00000	0.16100
	Potash	0.00008	0.00080	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00201
	S as Nutrient	0.00300	0.02000	0.03000	0.00400	0.00020	0.00007	0.00000	0.00000	0.05427
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00300	0.03000	0.04100	0.00510	0.00030	0.00009	0.00001	0.00000	0.07649
	Albuquerque, NM	Boron	0.00001	0.00010	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00200	0.02000	0.03000	0.00400	0.00030	0.00008	0.00000	0.00000	0.05438
Iron		0.00700	0.09000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.21130
Liming Materials		0.00900	0.10000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.22130
Micronutrients		0.00020	0.00300	0.00300	0.00050	0.00003	0.00001	0.00000	0.00000	0.00654
Mn		0.00002	0.00020	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00055
NPK as N		0.00300	0.04000	0.05000	0.00610	0.00040	0.00010	0.00000	0.00000	0.09660
NPK for P2O5		0.00400	0.03000	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.08650
P2O5 - 1		0.00600	0.08000	0.10000	0.01000	0.00100	0.00030	0.00001	0.00000	0.19130
Potash		0.00009	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321
S as Nutrient		0.00300	0.03000	0.04000	0.00500	0.00020	0.00009	0.00000	0.00000	0.07529
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00400	0.04000	0.05000	0.00700	0.00040	0.00010	0.00000	0.00000	0.09750
Atlanta, GA		Boron	0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	0.00100	0.02000	0.03000	0.00310	0.00020	0.00006	0.00000	0.00000	0.05336
	Iron	0.00600	0.07000	0.09000	0.01000	0.00070	0.00020	0.00001	0.00000	0.17090
	Liming Materials	0.00700	0.07100	0.10000	0.01000	0.00080	0.00020	0.00001	0.00000	0.18200
	Micronutrients	0.00020	0.00200	0.00200	0.00040	0.00002	0.00001	0.00000	0.00000	0.00443
	Mn	0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
	NPK as N	0.00200	0.03000	0.03100	0.00500	0.00030	0.00010	0.00000	0.00000	0.06640
	NPK for P2O5	0.00300	0.02000	0.04000	0.00500	0.00030	0.00010	0.00000	0.00000	0.06540
	P2O5 - 1	0.00500	0.06000	0.08000	0.01000	0.00070	0.00020	0.00001	0.00000	0.15090
	Potash	0.00007	0.00080	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00201
	S as Nutrient	0.00200	0.02000	0.03000	0.00400	0.00011	0.00007	0.00000	0.00000	0.05418
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00300	0.03000	0.04000	0.00500	0.00030	0.00008	0.00000	0.00000	0.07538

90th Percentile Risks from Application of Fertilizer Products
Cadmium (Child)

Climate Region	Product	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	0.00001	0.00009	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000	0.00021
	Gypsum Products	0.00200	0.02000	0.03000	0.00400	0.00020	0.00008	0.00000	0.00000	0.05428
	Iron	0.00600	0.08000	0.10000	0.01000	0.00080	0.00030	0.00001	0.00000	0.19110
	Liming Materials	0.00800	0.09000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.21130
	Micronutrients	0.00020	0.00200	0.00300	0.00050	0.00002	0.00001	0.00000	0.00000	0.00553
	Mn	0.00002	0.00020	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00055
	NPK as N	0.00210	0.03000	0.04000	0.00600	0.00031	0.00010	0.00000	0.00000	0.07641
	NPK for P2O5	0.00300	0.03000	0.04000	0.00600	0.00040	0.00010	0.00000	0.00000	0.07650
	P2O5 - 1	0.00510	0.07000	0.09000	0.01000	0.00081	0.00030	0.00001	0.00000	0.17111
	Potash	0.00009	0.00090	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00211
	S as Nutrient	0.00300	0.02000	0.03100	0.00500	0.00020	0.00008	0.00000	0.00000	0.05628
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00400	0.03100	0.05000	0.00600	0.00040	0.00010	0.00001	0.00000	0.08750
	Boise, ID	Boron	0.00001	0.00010	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00200	0.03000	0.03000	0.00400	0.00030	0.00009	0.00000	0.00000	0.06439
Iron		0.00700	0.09000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.21130
Liming Materials		0.00900	0.10000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.22130
Micronutrients		0.00020	0.00300	0.00300	0.00050	0.00003	0.00001	0.00000	0.00000	0.00654
Mn		0.00002	0.00020	0.00030	0.00006	0.00000	0.00000	0.00000	0.00000	0.00056
NPK as N		0.00300	0.04000	0.05000	0.00700	0.00040	0.00010	0.00000	0.00000	0.09750
NPK for P2O5		0.00400	0.03100	0.05000	0.00700	0.00041	0.00010	0.00000	0.00000	0.08851
P2O5 - 1		0.00600	0.08000	0.10000	0.01000	0.00100	0.00030	0.00001	0.00000	0.19130
Potash		0.00010	0.00100	0.00200	0.00020	0.00001	0.00001	0.00000	0.00000	0.00322
S as Nutrient		0.00300	0.03000	0.04000	0.00500	0.00020	0.00009	0.00000	0.00000	0.07529
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00400	0.04000	0.05000	0.00700	0.00050	0.00010	0.00000	0.00000	0.09760
Boulder, CO		Boron	0.00001	0.00009	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	0.00200	0.02000	0.03000	0.00400	0.00030	0.00008	0.00000	0.00000	0.05438
	Iron	0.00700	0.08000	0.10000	0.02000	0.00091	0.00030	0.00001	0.00000	0.20121
	Liming Materials	0.00900	0.10000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.22130
	Micronutrients	0.00020	0.00300	0.00300	0.00050	0.00003	0.00001	0.00000	0.00000	0.00654
	Mn	0.00002	0.00020	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00055
	NPK as N	0.00300	0.04000	0.05000	0.00700	0.00040	0.00010	0.00000	0.00000	0.09750
	NPK for P2O5	0.00310	0.03000	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.08650
	P2O5 - 1	0.00600	0.08000	0.10000	0.01000	0.00100	0.00030	0.00001	0.00000	0.19130
	Potash	0.00009	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321
	S as Nutrient	0.00300	0.03000	0.04000	0.00500	0.00020	0.00009	0.00000	0.00000	0.07529
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00400	0.04000	0.05000	0.00700	0.00050	0.00010	0.00001	0.00000	0.09760

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Cadmium (Child)

Climate Region	Product	Soil Ingestion	Fruit Ingestion	Vegetable Ingestion	Below-ground Vegetable Ingestion	Beef Ingestion	Milk Ingestion	Fish Ingestion	Direct Inhalation	All Indirect Pathways Combined ¹
Casper, WY	Boron	0.00001	0.00009	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000	0.00021
	Gypsum Products	0.00200	0.02000	0.03000	0.00400	0.00020	0.00008	0.00000	0.00000	0.05428
	Iron	0.00700	0.08000	0.10000	0.01000	0.00090	0.00030	0.00001	0.00000	0.19120
	Liming Materials	0.00800	0.09000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.21130
	Micronutrients	0.00020	0.00210	0.00300	0.00050	0.00003	0.00001	0.00000	0.00000	0.00564
	Mn	0.00002	0.00020	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00055
	NPK as N	0.00300	0.04000	0.05000	0.00600	0.00030	0.00010	0.00000	0.00000	0.09640
	NPK for P2O5	0.00300	0.03000	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.08650
	P2O5 - 1	0.00600	0.08000	0.09000	0.01000	0.00090	0.00030	0.00001	0.00000	0.18120
	Potash	0.00009	0.00100	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00221
	S as Nutrient	0.00300	0.03000	0.04000	0.00410	0.00020	0.00009	0.00000	0.00000	0.07439
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00400	0.03100	0.05000	0.00600	0.00040	0.00010	0.00001	0.00000	0.08750
	Charleston, SC	Boron	0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00100	0.02000	0.03000	0.00310	0.00020	0.00006	0.00001	0.00000	0.05336
Iron		0.00600	0.07000	0.09000	0.01000	0.00070	0.00020	0.00003	0.00000	0.17090
Liming Materials		0.00700	0.08000	0.10000	0.01000	0.00080	0.00020	0.00003	0.00000	0.19100
Micronutrients		0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
Mn		0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
NPK as N		0.00200	0.03000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.07540
NPK for P2O5		0.00300	0.02000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.06540
P2O5 - 1		0.00500	0.06000	0.08000	0.01000	0.00070	0.00020	0.00003	0.00000	0.15090
Potash		0.00007	0.00080	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00201
S as Nutrient		0.00210	0.02000	0.03000	0.00400	0.00020	0.00007	0.00001	0.00000	0.05427
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00300	0.03000	0.04000	0.00500	0.00030	0.00009	0.00002	0.00000	0.07539
Chicago, IL		Boron	0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	0.00200	0.02000	0.03000	0.00400	0.00020	0.00007	0.00001	0.00000	0.05427
	Iron	0.00600	0.07000	0.10000	0.01000	0.00080	0.00020	0.00003	0.00000	0.18100
	Liming Materials	0.00800	0.08000	0.10000	0.01000	0.00090	0.00030	0.00003	0.00000	0.19120
	Micronutrients	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
	Mn	0.00002	0.00020	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00055
	NPK as N	0.00200	0.03000	0.04000	0.00600	0.00030	0.00010	0.00001	0.00000	0.07640
	NPK for P2O5	0.00300	0.03000	0.04000	0.00600	0.00030	0.00010	0.00001	0.00000	0.07640
	P2O5 - 1	0.00500	0.07000	0.09000	0.01000	0.00080	0.00021	0.00002	0.00000	0.17101
	Potash	0.00008	0.00090	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00211
	S as Nutrient	0.00300	0.02000	0.03000	0.00400	0.00020	0.00008	0.00001	0.00000	0.05428
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00300	0.03000	0.05000	0.00600	0.00040	0.00010	0.00001	0.00000	0.08650

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Cadmium (Child)

Climate Region	Product	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	0.00001	0.00009	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000	0.00021
	Gypsum Products	0.00200	0.02000	0.03000	0.00400	0.00020	0.00007	0.00001	0.00000	0.05427
	Iron	0.00600	0.07000	0.10000	0.01000	0.00080	0.00020	0.00002	0.00000	0.18100
	Liming Materials	0.00800	0.08000	0.10000	0.01000	0.00090	0.00030	0.00003	0.00000	0.19120
	Micronutrients	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
	Mn	0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
	NPK as N	0.00200	0.03000	0.04000	0.00600	0.00030	0.00010	0.00001	0.00000	0.07640
	NPK for P2O5	0.00300	0.03000	0.04000	0.00600	0.00030	0.00010	0.00001	0.00000	0.07640
	P2O5 - 1	0.00500	0.07000	0.09000	0.01000	0.00080	0.00030	0.00002	0.00000	0.17110
	Potash	0.00008	0.00090	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00211
	S as Nutrient	0.00300	0.02000	0.03000	0.00400	0.00020	0.00008	0.00001	0.00000	0.05428
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00300	0.03000	0.05000	0.00600	0.00040	0.00009	0.00001	0.00000	0.08649
	Fresno, CA	Boron	0.00001	0.00009	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00200	0.02100	0.03000	0.00400	0.00030	0.00008	0.00000	0.00000	0.05538
Iron		0.00700	0.09000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.21130
Liming Materials		0.00900	0.10000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.22130
Micronutrients		0.00020	0.00300	0.00300	0.00050	0.00003	0.00001	0.00000	0.00000	0.00654
Mn		0.00002	0.00020	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00055
NPK as N		0.00300	0.04000	0.05000	0.00700	0.00040	0.00010	0.00000	0.00000	0.09750
NPK for P2O5		0.00310	0.03000	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.08650
P2O5 - 1		0.00600	0.08000	0.10000	0.01000	0.00100	0.00030	0.00001	0.00000	0.19130
Potash		0.00009	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321
S as Nutrient		0.00300	0.03000	0.04000	0.00500	0.00020	0.00009	0.00000	0.00000	0.07529
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00400	0.04000	0.05000	0.00700	0.00040	0.00010	0.00000	0.00000	0.09750
Grand Island, NE		Boron	0.00001	0.00009	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	0.00200	0.02000	0.03000	0.00400	0.00020	0.00008	0.00001	0.00000	0.05428
	Iron	0.00700	0.08000	0.10000	0.01000	0.00090	0.00030	0.00003	0.00000	0.19120
	Liming Materials	0.00800	0.09000	0.10000	0.02000	0.00100	0.00030	0.00003	0.00000	0.21130
	Micronutrients	0.00020	0.00200	0.00300	0.00050	0.00002	0.00001	0.00000	0.00000	0.00553
	Mn	0.00002	0.00020	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00055
	NPK as N	0.00300	0.04000	0.04100	0.00600	0.00031	0.00010	0.00001	0.00000	0.08741
	NPK for P2O5	0.00300	0.03000	0.05000	0.00600	0.00040	0.00010	0.00001	0.00000	0.08650
	P2O5 - 1	0.00600	0.07100	0.09100	0.01000	0.00090	0.00030	0.00002	0.00000	0.17320
	Potash	0.00009	0.00091	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00212
	S as Nutrient	0.00300	0.02000	0.04000	0.00500	0.00020	0.00008	0.00001	0.00000	0.06528
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00400	0.03000	0.05000	0.00600	0.00040	0.00010	0.00001	0.00000	0.08650

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Cadmium (Child)

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Harrisburg, PA	Boron	0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000	0.00020
	Gypsum Products	0.00100	0.02000	0.03000	0.00400	0.00020	0.00007	0.00001	0.00000	0.05427
	Iron	0.00600	0.07000	0.10000	0.01000	0.00071	0.00020	0.00003	0.00000	0.18091
	Liming Materials	0.00800	0.08000	0.10000	0.01000	0.00090	0.00021	0.00003	0.00000	0.19111
	Micronutrients	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
	Mn	0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
	NPK as N	0.00200	0.03000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.07540
	NPK for P2O5	0.00300	0.03000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.07540
	P2O5 - 1	0.00500	0.07000	0.09000	0.01000	0.00080	0.00020	0.00002	0.00000	0.17100
	Potash	0.00008	0.00081	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00202
	S as Nutrient	0.00300	0.02000	0.03000	0.00400	0.00020	0.00007	0.00001	0.00000	0.05427
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00300	0.03000	0.05000	0.00600	0.00040	0.00009	0.00001	0.00000	0.08649
	Hartford, CT	Boron	0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00100	0.02000	0.03000	0.00400	0.00020	0.00007	0.00001	0.00000	0.05427
Iron		0.00600	0.07000	0.09000	0.01000	0.00070	0.00020	0.00003	0.00000	0.17090
Liming Materials		0.00700	0.08000	0.10000	0.01000	0.00090	0.00020	0.00003	0.00000	0.19110
Micronutrients		0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
Mn		0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
NPK as N		0.00200	0.03000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.07540
NPK for P2O5		0.00300	0.02000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.06540
P2O5 - 1		0.00500	0.06000	0.08000	0.01000	0.00080	0.00020	0.00002	0.00000	0.15100
Potash		0.00008	0.00080	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00201
S as Nutrient		0.00300	0.02000	0.03000	0.00400	0.00011	0.00007	0.00001	0.00000	0.05418
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00300	0.03000	0.04000	0.00500	0.00030	0.00009	0.00001	0.00000	0.07539
Houston, TX		Boron	0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	0.00100	0.02000	0.03000	0.00400	0.00020	0.00007	0.00002	0.00000	0.05427
	Iron	0.00600	0.07000	0.09000	0.01000	0.00071	0.00020	0.00006	0.00000	0.17091
	Liming Materials	0.00800	0.08000	0.10000	0.01000	0.00090	0.00020	0.00007	0.00000	0.19110
	Micronutrients	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
	Mn	0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
	NPK as N	0.00200	0.03000	0.04000	0.00500	0.00030	0.00010	0.00002	0.00000	0.07540
	NPK for P2O5	0.00300	0.03000	0.04000	0.00500	0.00030	0.00010	0.00002	0.00000	0.07540
	P2O5 - 1	0.00500	0.07000	0.08000	0.01000	0.00080	0.00020	0.00005	0.00000	0.16100
	Potash	0.00008	0.00080	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00201
	S as Nutrient	0.00300	0.02000	0.03000	0.00400	0.00020	0.00007	0.00001	0.00000	0.05427
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00300	0.03000	0.04000	0.00500	0.00031	0.00009	0.00003	0.00000	0.07540

90th Percentile Risks from Application of Fertilizer Products
Cadmium (Child)

Climate Region	Product	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	0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000	0.00020
	Gypsum Products	0.00100	0.02000	0.03000	0.00400	0.00020	0.00007	0.00001	0.00000	0.05427
	Iron	0.00600	0.07000	0.09000	0.01000	0.00080	0.00020	0.00003	0.00000	0.17100
	Liming Materials	0.00800	0.08000	0.10000	0.01000	0.00090	0.00030	0.00003	0.00000	0.19120
	Micronutrients	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
	Mn	0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
	NPK as N	0.00200	0.03000	0.04000	0.00510	0.00030	0.00010	0.00001	0.00000	0.07550
	NPK for P2O5	0.00300	0.03000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.07540
	P2O5 - 1	0.00500	0.07000	0.09000	0.01000	0.00080	0.00020	0.00002	0.00000	0.17100
	Potash	0.00008	0.00090	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00211
	S as Nutrient	0.00300	0.02000	0.03000	0.00400	0.00020	0.00007	0.00001	0.00000	0.05427
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00300	0.03000	0.04100	0.00600	0.00031	0.00009	0.00001	0.00000	0.07740
	Las Vegas, NV	Boron	0.00001	0.00010	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00200	0.02000	0.03000	0.00400	0.00030	0.00008	0.00000	0.00000	0.05438
Iron		0.00700	0.09000	0.10000	0.01100	0.00090	0.00030	0.00001	0.00000	0.20220
Liming Materials		0.00900	0.10000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.22130
Micronutrients		0.00020	0.00300	0.00300	0.00050	0.00003	0.00001	0.00000	0.00000	0.00654
Mn		0.00002	0.00020	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00055
NPK as N		0.00300	0.04000	0.05000	0.00700	0.00040	0.00010	0.00000	0.00000	0.09750
NPK for P2O5		0.00400	0.03000	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.08650
P2O5 - 1		0.00600	0.07100	0.10000	0.01000	0.00100	0.00030	0.00001	0.00000	0.18230
Potash		0.00009	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321
S as Nutrient		0.00300	0.03000	0.04000	0.00500	0.00020	0.00009	0.00000	0.00000	0.07529
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00400	0.04000	0.05000	0.00610	0.00040	0.00010	0.00000	0.00000	0.09660
Los Angeles, CA		Boron	0.00001	0.00009	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	0.00200	0.02000	0.03000	0.00400	0.00020	0.00008	0.00000	0.00000	0.05428
	Iron	0.00700	0.08000	0.10000	0.01000	0.00090	0.00030	0.00001	0.00000	0.19120
	Liming Materials	0.00800	0.09100	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.21230
	Micronutrients	0.00020	0.00210	0.00300	0.00050	0.00002	0.00001	0.00000	0.00000	0.00563
	Mn	0.00002	0.00020	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00055
	NPK as N	0.00300	0.04000	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.09650
	NPK for P2O5	0.00300	0.03000	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.08650
	P2O5 - 1	0.00600	0.08000	0.09100	0.01000	0.00090	0.00030	0.00001	0.00000	0.18220
	Potash	0.00009	0.00100	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00221
	S as Nutrient	0.00300	0.03000	0.04000	0.00500	0.00020	0.00008	0.00000	0.00000	0.07528
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00400	0.04000	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.09650

90th Percentile Risks from Application of Fertilizer Products
Cadmium (Child)

Climate Region	Product	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	0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000	0.00020
	Gypsum Products	0.00100	0.02000	0.03000	0.00400	0.00020	0.00006	0.00001	0.00000	0.05426
	Iron	0.00510	0.06000	0.09000	0.01000	0.00070	0.00020	0.00005	0.00000	0.16090
	Liming Materials	0.00700	0.07000	0.10000	0.01000	0.00080	0.00020	0.00006	0.00000	0.18100
	Micronutrients	0.00020	0.00200	0.00210	0.00040	0.00002	0.00001	0.00000	0.00000	0.00453
	Mn	0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
	NPK as N	0.00200	0.03000	0.03000	0.00500	0.00030	0.00010	0.00002	0.00000	0.06540
	NPK for P2O5	0.00300	0.02000	0.03100	0.00500	0.00030	0.00010	0.00002	0.00000	0.05640
	P2O5 - 1	0.00500	0.06000	0.08000	0.01000	0.00070	0.00020	0.00004	0.00000	0.15090
	Potash	0.00007	0.00080	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00201
	S as Nutrient	0.00200	0.02000	0.03000	0.00400	0.00010	0.00007	0.00001	0.00000	0.05417
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00300	0.03000	0.04000	0.00500	0.00030	0.00008	0.00002	0.00000	0.07538
	Miami, FL	Boron	0.00001	0.00007	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00100	0.02000	0.02000	0.00300	0.00020	0.00006	0.00001	0.00000	0.04326
Iron		0.00500	0.06000	0.09000	0.01000	0.00060	0.00020	0.00002	0.00000	0.16080
Liming Materials		0.00600	0.07000	0.10000	0.01000	0.00071	0.00020	0.00002	0.00000	0.18091
Micronutrients		0.00020	0.00200	0.00200	0.00040	0.00002	0.00001	0.00000	0.00000	0.00443
Mn		0.00001	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
NPK as N		0.00200	0.03000	0.03000	0.00500	0.00030	0.00009	0.00001	0.00000	0.06539
NPK for P2O5		0.00200	0.02000	0.03000	0.00400	0.00030	0.00009	0.00001	0.00000	0.05439
P2O5 - 1		0.00400	0.06000	0.07100	0.00900	0.00070	0.00020	0.00002	0.00000	0.14090
Potash		0.00007	0.00070	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00191
S as Nutrient		0.00200	0.02000	0.03000	0.00400	0.00010	0.00006	0.00000	0.00000	0.05416
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00300	0.03000	0.04000	0.00500	0.00030	0.00008	0.00001	0.00000	0.07538
Minneapolis, MN		Boron	0.00001	0.00009	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	0.00200	0.02000	0.03000	0.00400	0.00020	0.00008	0.00001	0.00000	0.05428
	Iron	0.00600	0.08000	0.10000	0.01000	0.00080	0.00030	0.00002	0.00000	0.19110
	Liming Materials	0.00800	0.09000	0.10000	0.02000	0.00100	0.00030	0.00003	0.00000	0.21130
	Micronutrients	0.00020	0.00200	0.00300	0.00050	0.00002	0.00001	0.00000	0.00000	0.00553
	Mn	0.00002	0.00020	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00055
	NPK as N	0.00210	0.03100	0.04000	0.00600	0.00030	0.00010	0.00001	0.00000	0.07740
	NPK for P2O5	0.00300	0.03000	0.04000	0.00600	0.00040	0.00010	0.00001	0.00000	0.07650
	P2O5 - 1	0.00500	0.07000	0.09000	0.01000	0.00080	0.00030	0.00002	0.00000	0.17110
	Potash	0.00009	0.00090	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00211
	S as Nutrient	0.00300	0.02000	0.03000	0.00400	0.00020	0.00008	0.00001	0.00000	0.05428
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00400	0.03000	0.05000	0.00600	0.00040	0.00010	0.00001	0.00000	0.08650

90th Percentile Risks from Application of Fertilizer Products
Cadmium (Child)

Climate Region	Product	Soil Ingestion	Fruit Ingestion	Vegetable Ingestion	Below-ground Vegetable Ingestion	Beef Ingestion	Milk Ingestion	Fish Ingestion	Direct Inhalation	All Indirect Pathways Combined ¹
Philadelphia, PA	Boron	0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000	0.00020
	Gypsum Products	0.00100	0.02000	0.03000	0.00400	0.00020	0.00007	0.00001	0.00000	0.05427
	Iron	0.00600	0.07000	0.09100	0.01000	0.00080	0.00020	0.00003	0.00000	0.17200
	Liming Materials	0.00700	0.08000	0.10000	0.01000	0.00090	0.00020	0.00004	0.00000	0.19110
	Micronutrients	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
	Mn	0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
	NPK as N	0.00200	0.03000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.07540
	NPK for P2O5	0.00300	0.03000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.07540
	P2O5 - 1	0.00500	0.06100	0.09000	0.01000	0.00080	0.00020	0.00003	0.00000	0.16200
	Potash	0.00008	0.00080	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00201
	S as Nutrient	0.00300	0.02000	0.03000	0.00400	0.00011	0.00007	0.00001	0.00000	0.05418
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00300	0.03000	0.04000	0.00500	0.00030	0.00009	0.00001	0.00000	0.07539
	Phoenix, AZ	Boron	0.00001	0.00010	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00200	0.02100	0.03000	0.00400	0.00030	0.00008	0.00000	0.00000	0.05538
Iron		0.00700	0.09000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.21130
Liming Materials		0.00900	0.10000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.22130
Micronutrients		0.00020	0.00300	0.00300	0.00050	0.00003	0.00001	0.00000	0.00000	0.00654
Mn		0.00002	0.00030	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00065
NPK as N		0.00300	0.04000	0.05000	0.00610	0.00040	0.00010	0.00000	0.00000	0.09660
NPK for P2O5		0.00310	0.03000	0.05000	0.00610	0.00040	0.00010	0.00000	0.00000	0.08660
P2O5 - 1		0.00600	0.07000	0.10000	0.01000	0.00100	0.00030	0.00001	0.00000	0.18130
Potash		0.00009	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321
S as Nutrient		0.00300	0.03000	0.04000	0.00500	0.00020	0.00009	0.00000	0.00000	0.07529
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00400	0.04000	0.05000	0.00700	0.00040	0.00010	0.00000	0.00000	0.09750
Portland, ME		Boron	0.00001	0.00008	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	0.00100	0.02000	0.02000	0.00310	0.00020	0.00006	0.00001	0.00000	0.04336
	Iron	0.00600	0.07000	0.09000	0.01000	0.00070	0.00020	0.00002	0.00000	0.17090
	Liming Materials	0.00700	0.07000	0.10000	0.01000	0.00080	0.00020	0.00002	0.00000	0.18100
	Micronutrients	0.00020	0.00200	0.00200	0.00040	0.00002	0.00001	0.00000	0.00000	0.00443
	Mn	0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
	NPK as N	0.00200	0.03000	0.04000	0.00500	0.00030	0.00009	0.00001	0.00000	0.07539
	NPK for P2O5	0.00300	0.02000	0.03000	0.00500	0.00030	0.00009	0.00001	0.00000	0.05539
	P2O5 - 1	0.00500	0.06000	0.08000	0.01000	0.00070	0.00020	0.00002	0.00000	0.15090
	Potash	0.00007	0.00080	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00201
	S as Nutrient	0.00200	0.02000	0.03000	0.00400	0.00010	0.00007	0.00001	0.00000	0.05417
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00300	0.03000	0.04000	0.00500	0.00030	0.00008	0.00001	0.00000	0.07538

90th Percentile Risks from Application of Fertilizer Products
Cadmium (Child)

Climate Region	Product	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	0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000	0.00020
	Gypsum Products	0.00100	0.02000	0.03000	0.00400	0.00020	0.00007	0.00001	0.00000	0.05427
	Iron	0.00600	0.07000	0.09000	0.01000	0.00080	0.00020	0.00003	0.00000	0.17100
	Liming Materials	0.00700	0.08000	0.10000	0.01000	0.00081	0.00020	0.00004	0.00000	0.19101
	Micronutrients	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
	Mn	0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
	NPK as N	0.00200	0.03000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.07540
	NPK for P2O5	0.00300	0.02100	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.06640
	P2O5 - 1	0.00500	0.07000	0.08000	0.01000	0.00080	0.00020	0.00003	0.00000	0.16100
	Potash	0.00008	0.00080	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00201
	S as Nutrient	0.00300	0.02000	0.03000	0.00400	0.00020	0.00007	0.00001	0.00000	0.05427
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00300	0.03000	0.04000	0.00500	0.00030	0.00009	0.00002	0.00000	0.07539
	Salem, OR	Boron	0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00100	0.02000	0.03000	0.00400	0.00020	0.00007	0.00000	0.00000	0.05427
Iron		0.00600	0.07000	0.09000	0.01000	0.00070	0.00020	0.00001	0.00000	0.17090
Liming Materials		0.00700	0.08000	0.10000	0.01000	0.00081	0.00020	0.00001	0.00000	0.19101
Micronutrients		0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
Mn		0.00002	0.00020	0.00030	0.00004	0.00000	0.00000	0.00000	0.00000	0.00054
NPK as N		0.00200	0.03000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.07540
NPK for P2O5		0.00300	0.03000	0.04000	0.00500	0.00030	0.00010	0.00001	0.00000	0.07540
P2O5 - 1		0.00500	0.06000	0.08000	0.01000	0.00080	0.00020	0.00001	0.00000	0.15100
Potash		0.00008	0.00080	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00201
S as Nutrient		0.00300	0.02000	0.03000	0.00400	0.00020	0.00007	0.00000	0.00000	0.05427
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00300	0.03000	0.04100	0.00600	0.00030	0.00009	0.00001	0.00000	0.07739
Salt Lake City, UT		Boron	0.00001	0.00010	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	0.00200	0.02000	0.03000	0.00400	0.00030	0.00009	0.00000	0.00000	0.05439
	Iron	0.00700	0.09000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.21130
	Liming Materials	0.00900	0.10000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.22130
	Micronutrients	0.00020	0.00300	0.00300	0.00050	0.00003	0.00001	0.00000	0.00000	0.00654
	Mn	0.00002	0.00030	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00065
	NPK as N	0.00300	0.04000	0.05000	0.00700	0.00040	0.00010	0.00000	0.00000	0.09750
	NPK for P2O5	0.00400	0.04000	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.09650
	P2O5 - 1	0.00600	0.08000	0.10000	0.01000	0.00100	0.00030	0.00001	0.00000	0.19130
	Potash	0.00009	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321
	S as Nutrient	0.00300	0.03000	0.04000	0.00500	0.00020	0.00009	0.00000	0.00000	0.07529
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00400	0.04000	0.05000	0.00700	0.00040	0.00010	0.00000	0.00000	0.09750

90th Percentile Risks from Application of Fertilizer Products
Cadmium (Child)

Climate Region	Product	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	0.00001	0.00009	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000	0.00021
	Gypsum Products	0.00200	0.02000	0.03000	0.00400	0.00020	0.00008	0.00000	0.00000	0.05428
	Iron	0.00700	0.08000	0.10000	0.01000	0.00090	0.00030	0.00001	0.00000	0.19120
	Liming Materials	0.00800	0.09000	0.10000	0.02000	0.00100	0.00030	0.00001	0.00000	0.21130
	Micronutrients	0.00020	0.00210	0.00300	0.00050	0.00003	0.00001	0.00000	0.00000	0.00564
	Mn	0.00002	0.00020	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00055
	NPK as N	0.00300	0.04000	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.09650
	NPK for P2O5	0.00300	0.03000	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.08650
	P2O5 - 1	0.00600	0.07100	0.09000	0.01000	0.00090	0.00030	0.00001	0.00000	0.17220
	Potash	0.00009	0.00091	0.00100	0.00020	0.00001	0.00000	0.00000	0.00000	0.00212
	S as Nutrient	0.00300	0.02100	0.04000	0.00500	0.00020	0.00009	0.00000	0.00000	0.06629
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00400	0.03100	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.08750
	Winnemucca, NV	Boron	0.00001	0.00009	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00200	0.02000	0.03000	0.00400	0.00030	0.00008	0.00000	0.00000	0.05438
Iron		0.00700	0.09000	0.10000	0.01100	0.00100	0.00030	0.00000	0.00000	0.20230
Liming Materials		0.00900	0.10000	0.10000	0.02000	0.00100	0.00030	0.00000	0.00000	0.22130
Micronutrients		0.00020	0.00300	0.00300	0.00050	0.00003	0.00001	0.00000	0.00000	0.00654
Mn		0.00002	0.00020	0.00030	0.00005	0.00000	0.00000	0.00000	0.00000	0.00055
NPK as N		0.00300	0.04000	0.05000	0.00610	0.00040	0.00010	0.00000	0.00000	0.09660
NPK for P2O5		0.00300	0.03000	0.05000	0.00600	0.00040	0.00010	0.00000	0.00000	0.08650
P2O5 - 1		0.00600	0.08000	0.09000	0.01000	0.00100	0.00030	0.00000	0.00000	0.18130
Potash		0.00009	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321
S as Nutrient		0.00300	0.03000	0.04000	0.00500	0.00020	0.00008	0.00000	0.00000	0.07528
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00400	0.04000	0.05000	0.00700	0.00040	0.00010	0.00000	0.00000	0.09750

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.