

US EPA ARCHIVE DOCUMENT

50th 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	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	Gypsum Products	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
	Iron	0.00050	0.00400	0.00700	0.00070	0.00004	0.00002	0.00000	0.00000	0.01176
	Liming Materials	0.00080	0.00600	0.00900	0.00100	0.00005	0.00002	0.00000	0.00000	0.01607
	Micronutrients	0.00001	0.00005	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00015
	Mn	0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005
	NPK as N	0.00020	0.00200	0.00250	0.00030	0.00002	0.00001	0.00000	0.00000	0.00483
	NPK for P2O5	0.00020	0.00100	0.00200	0.00020	0.00001	0.00001	0.00000	0.00000	0.00322
	P2O5 - 1	0.00040	0.00400	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00964
	Potash	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00020	0.00100	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00332
	Albuquerque, NM	Boron	0.00000	0.00002	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00030	0.00250	0.00400	0.00050	0.00002	0.00001	0.00000	0.00000	0.00703
Iron		0.00060	0.00500	0.00800	0.00090	0.00005	0.00002	0.00000	0.00000	0.01397
Liming Materials		0.00100	0.00700	0.01000	0.00100	0.00007	0.00002	0.00000	0.00000	0.01809
Micronutrients		0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017
Mn		0.00000	0.00003	0.00004	0.00001	0.00000	0.00000	0.00000	0.00000	0.00008
NPK as N		0.00030	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
NPK for P2O5		0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533
P2O5 - 1		0.00060	0.00400	0.00700	0.00080	0.00004	0.00001	0.00000	0.00000	0.01185
Potash		0.00001	0.00008	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00019
S as Nutrient		0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00020	0.00200	0.00300	0.00035	0.00002	0.00001	0.00000	0.00000	0.00538
Atlanta, GA		Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533
	Iron	0.00050	0.00400	0.00600	0.00070	0.00004	0.00001	0.00000	0.00000	0.01075
	Liming Materials	0.00070	0.00500	0.00800	0.00090	0.00005	0.00002	0.00000	0.00000	0.01397
	Micronutrients	0.00001	0.00004	0.00008	0.00001	0.00000	0.00000	0.00000	0.00000	0.00013
	Mn	0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005
	NPK as N	0.00020	0.00200	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00432
	NPK for P2O5	0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321
	P2O5 - 1	0.00040	0.00300	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00864
	Potash	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321

50th 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	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	Gypsum Products	0.00030	0.00200	0.00400	0.00040	0.00002	0.00001	0.00000	0.00000	0.00643
	Iron	0.00060	0.00500	0.00800	0.00080	0.00005	0.00002	0.00000	0.00000	0.01387
	Liming Materials	0.00090	0.00600	0.01000	0.00100	0.00006	0.00002	0.00000	0.00000	0.01708
	Micronutrients	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017
	Mn	0.00000	0.00003	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00007
	NPK as N	0.00030	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533
	NPK for P2O5	0.00020	0.00200	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00432
	P2O5 - 1	0.00050	0.00400	0.00600	0.00070	0.00003	0.00001	0.00000	0.00000	0.01074
	Potash	0.00001	0.00007	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00018
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00020	0.00200	0.00300	0.00030	0.00001	0.00001	0.00000	0.00000	0.00532
	Boise, ID	Boron	0.00000	0.00002	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00030	0.00300	0.00400	0.00050	0.00002	0.00001	0.00000	0.00000	0.00753
Iron		0.00070	0.00500	0.00800	0.00090	0.00005	0.00002	0.00000	0.00000	0.01397
Liming Materials		0.00100	0.00700	0.01000	0.00100	0.00007	0.00002	0.00000	0.00000	0.01809
Micronutrients		0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017
Mn		0.00000	0.00003	0.00004	0.00001	0.00000	0.00000	0.00000	0.00000	0.00008
NPK as N		0.00030	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
NPK for P2O5		0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533
P2O5 - 1		0.00060	0.00500	0.00700	0.00080	0.00004	0.00001	0.00000	0.00000	0.01285
Potash		0.00001	0.00008	0.00010	0.00002	0.00000	0.00000	0.00000	0.00000	0.00020
S as Nutrient		0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
Boulder, CO		Boron	0.00000	0.00002	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	0.00030	0.00200	0.00400	0.00050	0.00002	0.00001	0.00000	0.00000	0.00653
	Iron	0.00060	0.00500	0.00800	0.00090	0.00005	0.00002	0.00000	0.00000	0.01397
	Liming Materials	0.00100	0.00700	0.01000	0.00100	0.00007	0.00002	0.00000	0.00000	0.01809
	Micronutrients	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017
	Mn	0.00000	0.00003	0.00004	0.00001	0.00000	0.00000	0.00000	0.00000	0.00008
	NPK as N	0.00030	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
	NPK for P2O5	0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533
	P2O5 - 1	0.00050	0.00400	0.00700	0.00080	0.00004	0.00001	0.00000	0.00000	0.01185
	Potash	0.00001	0.00008	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00019
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00020	0.00200	0.00300	0.00035	0.00002	0.00001	0.00000	0.00000	0.00538

50th 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	
Casper, WY	Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	Gypsum Products	0.00030	0.00200	0.00400	0.00040	0.00002	0.00001	0.00000	0.00000	0.00643	
	Iron	0.00060	0.00500	0.00800	0.00085	0.00005	0.00002	0.00000	0.00000	0.01392	
	Liming Materials	0.00090	0.00700	0.01000	0.00100	0.00006	0.00002	0.00000	0.00000	0.01808	
	Micronutrients	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
	Mn	0.00000	0.00003	0.00004	0.00001	0.00000	0.00000	0.00000	0.00000	0.00008	
	NPK as N	0.00030	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533	
	NPK for P2O5	0.00020	0.00200	0.00200	0.00030	0.00002	0.00001	0.00000	0.00000	0.00433	
	P2O5 - 1	0.00050	0.00400	0.00700	0.00080	0.00003	0.00001	0.00000	0.00000	0.01184	
	Potash	0.00001	0.00007	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00018	
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00000	0.00533
	Charleston, SC	Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
Gypsum Products		0.00020	0.00200	0.00300	0.00035	0.00002	0.00001	0.00000	0.00000	0.00538	
Iron		0.00050	0.00400	0.00600	0.00070	0.00004	0.00001	0.00000	0.00000	0.01075	
Liming Materials		0.00070	0.00500	0.00900	0.00095	0.00005	0.00002	0.00000	0.00000	0.01502	
Micronutrients		0.00001	0.00005	0.00008	0.00001	0.00000	0.00000	0.00000	0.00000	0.00013	
Mn		0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	
NPK as N		0.00020	0.00200	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00432	
NPK for P2O5		0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321	
P2O5 - 1		0.00040	0.00300	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00864	
Potash		0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
S as Nutrient		0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc		0.00020	0.00100	0.00200	0.00025	0.00001	0.00000	0.00000	0.00000	0.00000	0.00326
Chicago, IL		Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	Gypsum Products	0.00030	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	
	Iron	0.00050	0.00500	0.00700	0.00070	0.00005	0.00002	0.00000	0.00000	0.01277	
	Liming Materials	0.00080	0.00600	0.00900	0.00100	0.00006	0.00002	0.00000	0.00000	0.01608	
	Micronutrients	0.00001	0.00005	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00015	
	Mn	0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	
	NPK as N	0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533	
	NPK for P2O5	0.00020	0.00100	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00332	
	P2O5 - 1	0.00040	0.00400	0.00600	0.00070	0.00003	0.00001	0.00000	0.00000	0.01074	
	Potash	0.00001	0.00007	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00018	
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	0.00020	0.00100	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00332	

50th 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
Cleveland, OH	Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	Gypsum Products	0.00030	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
	Iron	0.00060	0.00500	0.00700	0.00070	0.00004	0.00002	0.00000	0.00000	0.01276
	Liming Materials	0.00080	0.00600	0.00900	0.00100	0.00006	0.00002	0.00000	0.00000	0.01608
	Micronutrients	0.00001	0.00005	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00015
	Mn	0.00000	0.00002	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00006
	NPK as N	0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533
	NPK for P2O5	0.00020	0.00100	0.00200	0.00020	0.00001	0.00001	0.00000	0.00000	0.00322
	P2O5 - 1	0.00040	0.00400	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00964
	Potash	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00020	0.00100	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00332
	Fresno, CA	Boron	0.00000	0.00002	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00030	0.00200	0.00400	0.00050	0.00002	0.00001	0.00000	0.00000	0.00653
Iron		0.00060	0.00500	0.00800	0.00090	0.00005	0.00002	0.00000	0.00000	0.01397
Liming Materials		0.00100	0.00700	0.01000	0.00100	0.00007	0.00002	0.00000	0.00000	0.01809
Micronutrients		0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017
Mn		0.00000	0.00003	0.00004	0.00001	0.00000	0.00000	0.00000	0.00000	0.00008
NPK as N		0.00030	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
NPK for P2O5		0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533
P2O5 - 1		0.00050	0.00400	0.00700	0.00080	0.00004	0.00001	0.00000	0.00000	0.01185
Potash		0.00001	0.00008	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00019
S as Nutrient		0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543
Grand Island, NE		Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000
	Gypsum Products	0.00030	0.00200	0.00400	0.00040	0.00002	0.00001	0.00000	0.00000	0.00643
	Iron	0.00060	0.00500	0.00800	0.00080	0.00005	0.00002	0.00000	0.00000	0.01397
	Liming Materials	0.00090	0.00650	0.01000	0.00100	0.00006	0.00002	0.00000	0.00000	0.01758
	Micronutrients	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017
	Mn	0.00000	0.00003	0.00004	0.00001	0.00000	0.00000	0.00000	0.00000	0.00008
	NPK as N	0.00030	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533
	NPK for P2O5	0.00020	0.00200	0.00200	0.00030	0.00002	0.00001	0.00000	0.00000	0.00433
	P2O5 - 1	0.00050	0.00400	0.00650	0.00070	0.00003	0.00001	0.00000	0.00000	0.01124
	Potash	0.00001	0.00007	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00018
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00532

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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	
Harrisburg, PA	Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	Gypsum Products	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	
	Iron	0.00050	0.00400	0.00700	0.00070	0.00004	0.00001	0.00000	0.00000	0.01175	
	Liming Materials	0.00080	0.00600	0.00900	0.00100	0.00005	0.00002	0.00000	0.00000	0.01607	
	Micronutrients	0.00001	0.00005	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00015	
	Mn	0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	
	NPK as N	0.00020	0.00200	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00432	
	NPK for P2O5	0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321	
	P2O5 - 1	0.00040	0.00350	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00914	
	Potash	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	0.00020	0.00100	0.00200	0.00030	0.00001	0.00000	0.00000	0.00000	0.00000	0.00331
	Hartford, CT	Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
Gypsum Products		0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	
Iron		0.00050	0.00400	0.00600	0.00070	0.00004	0.00001	0.00000	0.00000	0.01075	
Liming Materials		0.00070	0.00500	0.00900	0.00100	0.00005	0.00002	0.00000	0.00000	0.01507	
Micronutrients		0.00001	0.00005	0.00008	0.00001	0.00000	0.00000	0.00000	0.00000	0.00014	
Mn		0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	
NPK as N		0.00020	0.00200	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00432	
NPK for P2O5		0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321	
P2O5 - 1		0.00040	0.00300	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00864	
Potash		0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
S as Nutrient		0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc		0.00020	0.00100	0.00200	0.00030	0.00001	0.00000	0.00000	0.00000	0.00000	0.00331
Houston, TX		Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	Gypsum Products	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	
	Iron	0.00050	0.00400	0.00700	0.00070	0.00004	0.00001	0.00000	0.00000	0.01175	
	Liming Materials	0.00080	0.00600	0.00900	0.00100	0.00005	0.00002	0.00001	0.00000	0.01607	
	Micronutrients	0.00001	0.00005	0.00008	0.00001	0.00000	0.00000	0.00000	0.00000	0.00014	
	Mn	0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	
	NPK as N	0.00020	0.00200	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00432	
	NPK for P2O5	0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321	
	P2O5 - 1	0.00040	0.00300	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00864	
	Potash	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	0.00020	0.00100	0.00200	0.00030	0.00001	0.00000	0.00000	0.00000	0.00000	0.00331

50th 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	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	Gypsum Products	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	
	Iron	0.00050	0.00400	0.00700	0.00070	0.00004	0.00001	0.00000	0.00000	0.01175	
	Liming Materials	0.00080	0.00600	0.00900	0.00100	0.00005	0.00002	0.00000	0.00000	0.01607	
	Micronutrients	0.00001	0.00005	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00015	
	Mn	0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	
	NPK as N	0.00020	0.00200	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00432	
	NPK for P2O5	0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321	
	P2O5 - 1	0.00040	0.00300	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00864	
	Potash	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	0.00020	0.00100	0.00200	0.00030	0.00001	0.00000	0.00000	0.00000	0.00000	0.00331
	Las Vegas, NV	Boron	0.00000	0.00002	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004
Gypsum Products		0.00030	0.00200	0.00400	0.00050	0.00002	0.00001	0.00000	0.00000	0.00653	
Iron		0.00060	0.00500	0.00800	0.00090	0.00005	0.00002	0.00000	0.00000	0.01397	
Liming Materials		0.00100	0.00700	0.01000	0.00100	0.00007	0.00002	0.00000	0.00000	0.01809	
Micronutrients		0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
Mn		0.00000	0.00003	0.00004	0.00001	0.00000	0.00000	0.00000	0.00000	0.00008	
NPK as N		0.00030	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	
NPK for P2O5		0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533	
P2O5 - 1		0.00050	0.00400	0.00700	0.00080	0.00004	0.00001	0.00000	0.00000	0.01185	
Potash		0.00001	0.00008	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00019	
S as Nutrient		0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc		0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00000	0.00543
Los Angeles, CA		Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	Gypsum Products	0.00030	0.00200	0.00400	0.00040	0.00002	0.00001	0.00000	0.00000	0.00643	
	Iron	0.00060	0.00500	0.00800	0.00080	0.00005	0.00002	0.00000	0.00000	0.01397	
	Liming Materials	0.00095	0.00700	0.01000	0.00100	0.00006	0.00002	0.00000	0.00000	0.01809	
	Micronutrients	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
	Mn	0.00000	0.00003	0.00004	0.00001	0.00000	0.00000	0.00000	0.00000	0.00008	
	NPK as N	0.00030	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533	
	NPK for P2O5	0.00020	0.00200	0.00200	0.00030	0.00002	0.00001	0.00000	0.00000	0.00433	
	P2O5 - 1	0.00050	0.00400	0.00700	0.00080	0.00004	0.00001	0.00000	0.00000	0.01185	
	Potash	0.00001	0.00008	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00019	
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533	

50th 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	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	Gypsum Products	0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533	
	Iron	0.00050	0.00400	0.00600	0.00060	0.00004	0.00001	0.00000	0.00000	0.01065	
	Liming Materials	0.00070	0.00500	0.00800	0.00090	0.00005	0.00002	0.00000	0.00000	0.01397	
	Micronutrients	0.00001	0.00004	0.00008	0.00001	0.00000	0.00000	0.00000	0.00000	0.00013	
	Mn	0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	
	NPK as N	0.00020	0.00200	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00432	
	NPK for P2O5	0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321	
	P2O5 - 1	0.00040	0.00300	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00864	
	Potash	0.00001	0.00005	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00016	
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00000	0.00321
	Miami, FL	Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
Gypsum Products		0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533	
Iron		0.00040	0.00400	0.00600	0.00060	0.00003	0.00001	0.00000	0.00000	0.01064	
Liming Materials		0.00070	0.00500	0.00750	0.00090	0.00004	0.00002	0.00000	0.00000	0.01346	
Micronutrients		0.00001	0.00004	0.00008	0.00001	0.00000	0.00000	0.00000	0.00000	0.00013	
Mn		0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	
NPK as N		0.00020	0.00100	0.00200	0.00020	0.00001	0.00001	0.00000	0.00000	0.00322	
NPK for P2O5		0.00010	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321	
P2O5 - 1		0.00040	0.00300	0.00400	0.00050	0.00003	0.00001	0.00000	0.00000	0.00754	
Potash		0.00001	0.00006	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00016	
S as Nutrient		0.00000	0.00001	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00002	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc		0.00010	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00000	0.00321
Minneapolis, MN		Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	Gypsum Products	0.00030	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	
	Iron	0.00060	0.00500	0.00800	0.00080	0.00005	0.00002	0.00000	0.00000	0.01387	
	Liming Materials	0.00090	0.00600	0.01000	0.00100	0.00006	0.00002	0.00000	0.00000	0.01708	
	Micronutrients	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
	Mn	0.00000	0.00003	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00007	
	NPK as N	0.00030	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533	
	NPK for P2O5	0.00020	0.00200	0.00200	0.00030	0.00002	0.00001	0.00000	0.00000	0.00433	
	P2O5 - 1	0.00050	0.00400	0.00600	0.00070	0.00003	0.00001	0.00000	0.00000	0.01074	
	Potash	0.00001	0.00007	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00018	
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	0.00020	0.00200	0.00300	0.00030	0.00001	0.00001	0.00000	0.00000	0.00000	0.00532

50th 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	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	Gypsum Products	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	
	Iron	0.00050	0.00400	0.00700	0.00070	0.00004	0.00001	0.00000	0.00000	0.01175	
	Liming Materials	0.00080	0.00500	0.00900	0.00100	0.00005	0.00002	0.00000	0.00000	0.01507	
	Micronutrients	0.00001	0.00005	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00015	
	Mn	0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	
	NPK as N	0.00020	0.00200	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00432	
	NPK for P2O5	0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321	
	P2O5 - 1	0.00040	0.00300	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00864	
	Potash	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	0.00020	0.00100	0.00200	0.00030	0.00001	0.00000	0.00000	0.00000	0.00000	0.00331
	Phoenix, AZ	Boron	0.00000	0.00002	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004
Gypsum Products		0.00030	0.00300	0.00400	0.00050	0.00002	0.00001	0.00000	0.00000	0.00753	
Iron		0.00060	0.00500	0.00800	0.00090	0.00005	0.00002	0.00000	0.00000	0.01397	
Liming Materials		0.00100	0.00700	0.01000	0.00100	0.00007	0.00002	0.00000	0.00000	0.01809	
Micronutrients		0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
Mn		0.00000	0.00003	0.00004	0.00001	0.00000	0.00000	0.00000	0.00000	0.00008	
NPK as N		0.00030	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	
NPK for P2O5		0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533	
P2O5 - 1		0.00050	0.00400	0.00700	0.00080	0.00004	0.00001	0.00000	0.00000	0.01185	
Potash		0.00001	0.00008	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00019	
S as Nutrient		0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc		0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00000	0.00543
Portland, ME		Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	Gypsum Products	0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533	
	Iron	0.00050	0.00400	0.00600	0.00060	0.00004	0.00001	0.00000	0.00000	0.01065	
	Liming Materials	0.00070	0.00500	0.00800	0.00090	0.00005	0.00002	0.00000	0.00000	0.01397	
	Micronutrients	0.00001	0.00004	0.00008	0.00001	0.00000	0.00000	0.00000	0.00000	0.00013	
	Mn	0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	
	NPK as N	0.00020	0.00200	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00432	
	NPK for P2O5	0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321	
	P2O5 - 1	0.00040	0.00300	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00864	
	Potash	0.00001	0.00005	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00015	
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	0.00010	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321	

50th 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	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	Gypsum Products	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	
	Iron	0.00050	0.00400	0.00650	0.00070	0.00004	0.00001	0.00000	0.00000	0.01125	
	Liming Materials	0.00080	0.00500	0.00900	0.00100	0.00005	0.00002	0.00000	0.00000	0.01507	
	Micronutrients	0.00001	0.00005	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00014	
	Mn	0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	
	NPK as N	0.00020	0.00200	0.00200	0.00030	0.00002	0.00001	0.00000	0.00000	0.00432	
	NPK for P2O5	0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321	
	P2O5 - 1	0.00040	0.00300	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00864	
	Potash	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	0.00020	0.00100	0.00200	0.00030	0.00001	0.00000	0.00000	0.00000	0.00000	0.00331
	Salem, OR	Boron	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
Gypsum Products		0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	
Iron		0.00050	0.00400	0.00700	0.00070	0.00004	0.00001	0.00000	0.00000	0.01175	
Liming Materials		0.00080	0.00600	0.00900	0.00100	0.00005	0.00002	0.00000	0.00000	0.01607	
Micronutrients		0.00001	0.00005	0.00009	0.00001	0.00000	0.00000	0.00000	0.00000	0.00014	
Mn		0.00000	0.00002	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00005	
NPK as N		0.00020	0.00200	0.00200	0.00030	0.00001	0.00001	0.00000	0.00000	0.00432	
NPK for P2O5		0.00020	0.00100	0.00200	0.00020	0.00001	0.00000	0.00000	0.00000	0.00321	
P2O5 - 1		0.00040	0.00300	0.00500	0.00060	0.00003	0.00001	0.00000	0.00000	0.00864	
Potash		0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
S as Nutrient		0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA	
Zinc		0.00020	0.00100	0.00200	0.00030	0.00001	0.00000	0.00000	0.00000	0.00000	0.00331
Salt Lake City, UT		Boron	0.00000	0.00002	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00004
	Gypsum Products	0.00030	0.00300	0.00400	0.00050	0.00002	0.00001	0.00000	0.00000	0.00753	
	Iron	0.00070	0.00500	0.00800	0.00090	0.00005	0.00002	0.00000	0.00000	0.01397	
	Liming Materials	0.00100	0.00700	0.01000	0.00100	0.00007	0.00002	0.00000	0.00000	0.01809	
	Micronutrients	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017	
	Mn	0.00000	0.00003	0.00004	0.00001	0.00000	0.00000	0.00000	0.00000	0.00008	
	NPK as N	0.00030	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	
	NPK for P2O5	0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533	
	P2O5 - 1	0.00050	0.00400	0.00700	0.00080	0.00004	0.00001	0.00000	0.00000	0.01185	
	Potash	0.00001	0.00008	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00019	
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003	
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	Zinc	0.00020	0.00200	0.00300	0.00040	0.00002	0.00001	0.00000	0.00000	0.00543	

50th 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	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	Gypsum Products	0.00030	0.00200	0.00400	0.00040	0.00002	0.00001	0.00000	0.00000	0.00643
	Iron	0.00060	0.00500	0.00800	0.00090	0.00005	0.00002	0.00000	0.00000	0.01397
	Liming Materials	0.00090	0.00700	0.01000	0.00100	0.00006	0.00002	0.00000	0.00000	0.01808
	Micronutrients	0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017
	Mn	0.00000	0.00003	0.00004	0.00001	0.00000	0.00000	0.00000	0.00000	0.00008
	NPK as N	0.00030	0.00200	0.00300	0.00035	0.00002	0.00001	0.00000	0.00000	0.00538
	NPK for P2O5	0.00020	0.00200	0.00200	0.00030	0.00002	0.00001	0.00000	0.00000	0.00433
	P2O5 - 1	0.00050	0.00400	0.00650	0.00070	0.00004	0.00001	0.00000	0.00000	0.01125
	Potash	0.00001	0.00008	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00019
	S as Nutrient	0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
	S as Ph	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Zinc	0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533
	Winnemucca, NV	Boron	0.00000	0.00002	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000
Gypsum Products		0.00030	0.00250	0.00400	0.00050	0.00002	0.00001	0.00000	0.00000	0.00703
Iron		0.00060	0.00500	0.00800	0.00090	0.00005	0.00002	0.00000	0.00000	0.01397
Liming Materials		0.00100	0.00700	0.01000	0.00100	0.00007	0.00002	0.00000	0.00000	0.01809
Micronutrients		0.00001	0.00006	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00017
Mn		0.00000	0.00003	0.00004	0.00001	0.00000	0.00000	0.00000	0.00000	0.00008
NPK as N		0.00030	0.00200	0.00300	0.00035	0.00002	0.00001	0.00000	0.00000	0.00538
NPK for P2O5		0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533
P2O5 - 1		0.00050	0.00400	0.00700	0.00080	0.00004	0.00001	0.00000	0.00000	0.01185
Potash		0.00001	0.00008	0.00010	0.00001	0.00000	0.00000	0.00000	0.00000	0.00019
S as Nutrient		0.00000	0.00001	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00003
S as Ph		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		0.00020	0.00200	0.00300	0.00030	0.00002	0.00001	0.00000	0.00000	0.00533

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.