95th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Arsenic (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
Seattle, WA	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	5.E-06	4.E-07	1.E-06	7.E-07	5.E-07	4.E-06	7.E-07	2.E-11	3.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	5.E-04	4.E-06	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	2.E-11	2.E-08	8.E-06
	Iron	2.E+01	4.E-01	4.E-01	1.E+00	2.E-01	8.E-03	1.E-04	7.E-06	2.E-05	1.E-05	7.E-06	5.E-05	8.E-06	3.E-10	5.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	3.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	4.E-10	1.E-06	2.E-04
	Micronutrients	7.E-02	2.E-03	2.E-03	4.E-03	6.E-04	3.E-05	3.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	1.E-12	2.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	7.E-08	5.E-09	2.E-08	1.E-08	6.E-09	6.E-08	1.E-08	3.E-13	4.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	4.E-06	3.E-07	7.E-07	6.E-07	5.E-07	3.E-06	5.E-07	2.E-11	2.E-08	6.E-06
	NPK for P2O5	2.E-01	5.E-03	4.E-03	2.E-02	4.E-03	2.E-04	1.E-06	7.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	6.E-12	6.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	8.E-07	6.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	5.E-12	5.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	3.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	1.E-13	2.E-10	4.E-08
	S as Nutrient	2.E-02	5.E-04	4.E-04	1.E-03	2.E-04	9.E-06	1.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	3.E-13	5.E-10	1.E-07
	S as Ph	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	4.E-06	3.E-07	9.E-07	6.E-07	5.E-07	4.E-06	6.E-07	2.E-11	2.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	2.E-07	2.E-08	6.E-08	4.E-08	3.E-08	3.E-07	5.E-08	1.E-12	1.E-09	4.E-07
Albuquerque, NM	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	2.E-06	4.E-07	1.E-06	8.E-07	5.E-07	5.E-06	7.E-07	1.E-11	2.E-08	8.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	9.E-02	1.E-02	6.E-04	2.E-06	3.E-07	9.E-07	6.E-07	8.E-07	5.E-06	8.E-07	1.E-11	1.E-08	9.E-06
	Iron	3.E+01	5.E-01	5.E-01	1.E+00	2.E-01	9.E-03	5.E-05	7.E-06	2.E-05	1.E-05	8.E-06	5.E-05	7.E-06	1.E-10	3.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	1.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	2.E-10	6.E-07	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	7.E-04	3.E-05	1.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	6.E-13	1.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	3.E-08	5.E-09	2.E-08	1.E-08	8.E-09	6.E-08	1.E-08	2.E-13	2.E-10	1.E-07
	NPK as N	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	2.E-06	3.E-07	8.E-07	6.E-07	5.E-07	3.E-06	6.E-07	7.E-12	1.E-08	6.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	3.E-02	4.E-03	2.E-04	5.E-07	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	3.E-12	3.E-09	3.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	4.E-07	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	2.E-12	3.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	2.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	7.E-14	1.E-10	4.E-08
	S as Nutrient	3.E-02	5.E-04	5.E-04	1.E-03	2.E-04	1.E-05	5.E-08	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	1.E-13	3.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	2.E-06	3.E-07	9.E-07	6.E-07	5.E-07	4.E-06	6.E-07	9.E-12	1.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	1.E-07	2.E-08	6.E-08	5.E-08	3.E-08	3.E-07	5.E-08	7.E-13	8.E-10	5.E-07
Atlanta, GA	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	3.E-06	3.E-07	1.E-06	7.E-07	4.E-07	4.E-06	6.E-07	8.E-12	2.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	5.E-04	2.E-06	3.E-07	8.E-07	6.E-07	7.E-07	5.E-06	7.E-07	8.E-12	2.E-08	8.E-06
	Iron	2.E+01	4.E-01	4.E-01	1.E+00	2.E-01	7.E-03	5.E-05	7.E-06	2.E-05	1.E-05	6.E-06	5.E-05	7.E-06	1.E-10	4.E-07	9.E-05
	Liming Materials	9.E+01	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	8.E-05	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	1.E-10	8.E-07	2.E-04
	Micronutrients	7.E-02	2.E-03	1.E-03	3.E-03	6.E-04	3.E-05	2.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	5.E-13	1.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	9.E-04	2.E-04	9.E-06	3.E-08	5.E-09	1.E-08	1.E-08	6.E-09	6.E-08	9.E-09	1.E-13	3.E-10	9.E-08
	NPK as N	8.E-01	2.E-02	2.E-02	5.E-02	9.E-03	4.E-04	2.E-06	3.E-07	8.E-07	5.E-07	5.E-07	3.E-06	5.E-07	6.E-12	1.E-08	5.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	2.E-04	6.E-07	7.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	2.E-12	4.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	2.E-03	1.E-04	4.E-07	6.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	2.E-12	3.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	2.E-06	1.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	4.E-14	1.E-10	4.E-08
	S as Nutrient	2.E-02	4.E-04	4.E-04	1.E-03	2.E-04	9.E-06	5.E-08	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	1.E-13	4.E-10	1.E-07
	S as Ph	9.E-01	2.E-02	2.E-02	5.E-02	1.E-02	4.E-04	2.E-06	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	5.E-07	6.E-12	1.E-08	6.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	1.E-07	2.E-08	5.E-08	4.E-08	3.E-08	3.E-07	4.E-08	4.E-13	9.E-10	4.E-07

95th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Arsenic (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
Bismarck, ND	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	4.E-06	4.E-07	1.E-06	7.E-07	5.E-07	4.E-06	7.E-07	2.E-11	6.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	6.E-04	3.E-06	3.E-07	8.E-07	7.E-07	8.E-07	5.E-06	7.E-07	2.E-11	5.E-08	8.E-06
	Iron	3.E+01	5.E-01	4.E-01	1.E+00	2.E-01	8.E-03	8.E-05	7.E-06	2.E-05	1.E-05	8.E-06	5.E-05	7.E-06	3.E-10	1.E-06	9.E-05
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	3.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	5.E-10	3.E-06	2.E-04
	Micronutrients	8.E-02	2.E-03	1.E-03	4.E-03	6.E-04	3.E-05	3.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	1.E-12	4.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	8.E-06	6.E-08	5.E-09	1.E-08	1.E-08	7.E-09	6.E-08	1.E-08	3.E-13	8.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	3.E-06	3.E-07	7.E-07	6.E-07	5.E-07	3.E-06	6.E-07	2.E-11	4.E-08	6.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	3.E-02	4.E-03	2.E-04	8.E-07	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	5.E-12	1.E-08	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	7.E-07	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	5.E-12	1.E-08	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	3.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	1.E-13	3.E-10	4.E-08
	S as Nutrient	3.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	9.E-08	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	3.E-13	1.E-09	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	3.E-06	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	6.E-07	2.E-11	4.E-08	6.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	2.E-07	2.E-08	5.E-08	4.E-08	3.E-08	3.E-07	4.E-08	1.E-12	3.E-09	5.E-07
Boise, ID	**Boron**	1.E+00	2.E-02	2.E-02	8.E-02	1.E-02	7.E-04	4.E-06	4.E-07	1.E-06	8.E-07	5.E-07	5.E-06	7.E-07	2.E-11	3.E-08	8.E-06
	Gypsum Products	1.E+00	2.E-02	2.E-02	9.E-02	1.E-02	6.E-04	3.E-06	3.E-07	9.E-07	7.E-07	9.E-07	5.E-06	8.E-07	2.E-11	2.E-08	9.E-06
	Iron	3.E+01	5.E-01	5.E-01	1.E+00	2.E-01	9.E-03	8.E-05	8.E-06	2.E-05	1.E-05	8.E-06	6.E-05	8.E-06	3.E-10	5.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	3.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	4.E-10	1.E-06	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	7.E-04	3.E-05	2.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	1.E-12	2.E-09	4.E-07
	Mn	2.E-02	4.E-04	4.E-04	1.E-03	2.E-04	9.E-06	5.E-08	6.E-09	2.E-08	1.E-08	7.E-09	6.E-08	1.E-08	3.E-13	4.E-10	1.E-07
	NPK as N	9.E-01	2.E-02	2.E-02	7.E-02	1.E-02	5.E-04	3.E-06	3.E-07	8.E-07	6.E-07	5.E-07	3.E-06	6.E-07	1.E-11	2.E-08	6.E-06
	NPK for P2O5	2.E-01	5.E-03	5.E-03	3.E-02	4.E-03	2.E-04	7.E-07	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	5.E-12	5.E-09	3.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	6.E-07	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	5.E-12	5.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	3.E-08	2.E-09	6.E-09	5.E-09	3.E-09	2.E-08	3.E-09	1.E-13	2.E-10	4.E-08
	S as Nutrient	3.E-02	5.E-04	5.E-04	1.E-03	2.E-04	1.E-05	8.E-08	8.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	3.E-13	5.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	5.E-04	3.E-06	3.E-07	9.E-07	6.E-07	5.E-07	4.E-06	6.E-07	1.E-11	2.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	8.E-04	3.E-05	2.E-07	2.E-08	6.E-08	5.E-08	4.E-08	3.E-07	5.E-08	1.E-12	1.E-09	5.E-07
Boulder, CO	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	4.E-06	4.E-07	1.E-06	8.E-07	5.E-07	4.E-06	7.E-07	2.E-11	2.E-07	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	6.E-04	3.E-06	3.E-07	9.E-07	7.E-07	9.E-07	5.E-06	8.E-07	2.E-11	2.E-07	9.E-06
	Iron	3.E+01	5.E-01	5.E-01	1.E+00	2.E-01	9.E-03	8.E-05	7.E-06	2.E-05	1.E-05	8.E-06	5.E-05	8.E-06	3.E-10	4.E-06	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	3.E-04	2.E-05	2.E-05	2.E-05	9.E-06	2.E-04	2.E-05	4.E-10	9.E-06	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	7.E-04	3.E-05	3.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	9.E-13	1.E-08	4.E-07
	Mn	2.E-02	4.E-04	3.E-04	1.E-03	2.E-04	9.E-06	5.E-08	6.E-09	2.E-08	1.E-08	8.E-09	6.E-08	1.E-08	3.E-13	3.E-09	1.E-07
	NPK as N	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	3.E-06	3.E-07	8.E-07	6.E-07	5.E-07	3.E-06	6.E-07	1.E-11	1.E-07	6.E-06
	NPK for P2O5	2.E-01	5.E-03	4.E-03	3.E-02	4.E-03	2.E-04	8.E-07	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	5.E-12	4.E-08	3.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	7.E-07	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	4.E-12	3.E-08	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	3.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	1.E-13	1.E-09	4.E-08
	S as Nutrient	3.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	9.E-08	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	3.E-13	4.E-09	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	3.E-06	3.E-07	9.E-07	6.E-07	5.E-07	4.E-06	6.E-07	1.E-11	2.E-07	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	2.E-07	2.E-08	6.E-08	5.E-08	4.E-08	3.E-07	5.E-08	1.E-12	1.E-08	5.E-07

95th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Arsenic (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
Casper, WY	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	4.E-06	4.E-07	1.E-06	7.E-07	5.E-07	4.E-06	7.E-07	3.E-11	7.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	6.E-04	4.E-06	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	2.E-11	6.E-08	8.E-06
	Iron	3.E+01	4.E-01	4.E-01	1.E+00	2.E-01	8.E-03	1.E-04	7.E-06	2.E-05	1.E-05	8.E-06	5.E-05	7.E-06	4.E-10	1.E-06	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	4.E-04	2.E-05	2.E-05	2.E-05	1.E-05	1.E-04	2.E-05	5.E-10	3.E-06	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	7.E-04	3.E-05	3.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	1.E-12	4.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	6.E-08	5.E-09	2.E-08	1.E-08	8.E-09	6.E-08	1.E-08	4.E-13	1.E-09	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	3.E-06	3.E-07	7.E-07	6.E-07	5.E-07	3.E-06	6.E-07	2.E-11	5.E-08	6.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	2.E-02	4.E-03	2.E-04	9.E-07	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	7.E-12	1.E-08	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	8.E-07	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	5.E-12	1.E-08	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	4.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	1.E-13	4.E-10	4.E-08
	S as Nutrient	2.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	1.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	4.E-13	1.E-09	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	4.E-06	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	6.E-07	2.E-11	6.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	3.E-07	2.E-08	6.E-08	4.E-08	3.E-08	3.E-07	5.E-08	1.E-12	4.E-09	5.E-07
Charleston, SC	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	1.E-05	3.E-07	1.E-06	7.E-07	4.E-07	4.E-06	6.E-07	7.E-11	1.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	5.E-04	1.E-05	3.E-07	9.E-07	7.E-07	7.E-07	5.E-06	7.E-07	6.E-11	9.E-09	8.E-06
	Iron	2.E+01	4.E-01	4.E-01	1.E+00	2.E-01	7.E-03	3.E-04	7.E-06	2.E-05	1.E-05	6.E-06	5.E-05	7.E-06	1.E-09	2.E-07	9.E-05
	Liming Materials	9.E+01	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	1.E-03	2.E-05	2.E-05	1.E-05	9.E-06	1.E-04	2.E-05	2.E-09	6.E-07	2.E-04
	Micronutrients	7.E-02	1.E-03	1.E-03	3.E-03	6.E-04	3.E-05	9.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	4.E-12	8.E-10	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	2.E-07	5.E-09	1.E-08	1.E-08	6.E-09	6.E-08	1.E-08	1.E-12	2.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	9.E-06	3.E-07	7.E-07	5.E-07	5.E-07	3.E-06	5.E-07	5.E-11	9.E-09	5.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	2.E-04	3.E-06	7.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	2.E-11	3.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	2.E-06	6.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	2.E-11	2.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	1.E-07	2.E-09	5.E-09	4.E-09	3.E-09	2.E-08	3.E-09	4.E-13	8.E-11	4.E-08
	S as Nutrient	2.E-02	4.E-04	4.E-04	1.E-03	2.E-04	9.E-06	3.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	9.E-09	1.E-12	2.E-10	1.E-07
	S as Ph	9.E-01	2.E-02	2.E-02	5.E-02	1.E-02	4.E-04	1.E-05	3.E-07	8.E-07	5.E-07	5.E-07	4.E-06	5.E-07	5.E-11	9.E-09	6.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	8.E-07	2.E-08	5.E-08	4.E-08	3.E-08	3.E-07	4.E-08	4.E-12	6.E-10	4.E-07
Chicago, IL	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	1.E-05	4.E-07	1.E-06	8.E-07	5.E-07	4.E-06	7.E-07	6.E-11	2.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	6.E-04	9.E-06	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	5.E-11	2.E-08	8.E-06
	Iron	3.E+01	5.E-01	5.E-01	1.E+00	2.E-01	8.E-03	2.E-04	7.E-06	2.E-05	1.E-05	7.E-06	5.E-05	8.E-06	8.E-10	4.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	7.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	1.E-09	8.E-07	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	6.E-04	3.E-05	7.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	3.E-12	1.E-09	4.E-07
	Mn	2.E-02	4.E-04	3.E-04	1.E-03	2.E-04	9.E-06	2.E-07	5.E-09	2.E-08	1.E-08	7.E-09	6.E-08	1.E-08	9.E-13	3.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	8.E-06	3.E-07	8.E-07	6.E-07	5.E-07	3.E-06	6.E-07	4.E-11	1.E-08	6.E-06
	NPK for P2O5	2.E-01	5.E-03	5.E-03	2.E-02	4.E-03	2.E-04	2.E-06	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	1.E-11	4.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	2.E-06	6.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	1.E-11	4.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	9.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	3.E-13	1.E-10	4.E-08
	S as Nutrient	2.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	3.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	8.E-13	4.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	9.E-06	3.E-07	9.E-07	6.E-07	5.E-07	4.E-06	6.E-07	4.E-11	2.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	6.E-07	2.E-08	6.E-08	4.E-08	3.E-08	3.E-07	5.E-08	3.E-12	1.E-09	5.E-07

95th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Arsenic (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
Cleveland, OH	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	1.E-05	4.E-07	1.E-06	7.E-07	5.E-07	4.E-06	7.E-07	6.E-11	3.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	6.E-04	8.E-06	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	5.E-11	2.E-08	8.E-06
	Iron	3.E+01	5.E-01	5.E-01	1.E+00	2.E-01	8.E-03	2.E-04	7.E-06	2.E-05	1.E-05	7.E-06	5.E-05	8.E-06	8.E-10	6.E-07	1.E-04
	Liming Materials	9.E+01	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	8.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	1.E-09	1.E-06	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	6.E-04	3.E-05	7.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	3.E-12	2.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	1.E-07	5.E-09	2.E-08	1.E-08	6.E-09	6.E-08	1.E-08	9.E-13	4.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	8.E-06	3.E-07	8.E-07	6.E-07	5.E-07	3.E-06	5.E-07	4.E-11	2.E-08	6.E-06
	NPK for P2O5	2.E-01	5.E-03	5.E-03	2.E-02	4.E-03	2.E-04	2.E-06	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	1.E-11	6.E-09	3.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	2.E-06	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	1.E-11	5.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	8.E-08	2.E-09	6.E-09	5.E-09	3.E-09	2.E-08	3.E-09	3.E-13	2.E-10	4.E-08
	S as Nutrient	3.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	2.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	8.E-13	6.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	9.E-06	3.E-07	9.E-07	6.E-07	5.E-07	4.E-06	6.E-07	4.E-11	2.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	6.E-07	2.E-08	6.E-08	4.E-08	3.E-08	3.E-07	5.E-08	4.E-12	2.E-09	5.E-07
Fresno, CA	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	3.E-06	4.E-07	1.E-06	8.E-07	5.E-07	4.E-06	7.E-07	2.E-11	2.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	9.E-02	1.E-02	6.E-04	3.E-06	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	2.E-11	2.E-08	8.E-06
	Iron	3.E+01	5.E-01	5.E-01	1.E+00	2.E-01	8.E-03	7.E-05	7.E-06	2.E-05	1.E-05	8.E-06	5.E-05	8.E-06	3.E-10	4.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	3.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	4.E-10	8.E-07	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	7.E-04	3.E-05	2.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	9.E-13	1.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	5.E-08	5.E-09	1.E-08	1.E-08	7.E-09	6.E-08	1.E-08	3.E-13	3.E-10	1.E-07
	NPK as N	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	2.E-06	3.E-07	8.E-07	6.E-07	5.E-07	3.E-06	5.E-07	1.E-11	1.E-08	6.E-06
	NPK for P2O5	2.E-01	5.E-03	5.E-03	2.E-02	4.E-03	2.E-04	7.E-07	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	5.E-12	4.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	6.E-07	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	4.E-12	3.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	3.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	1.E-13	1.E-10	4.E-08
	S as Nutrient	3.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	8.E-08	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	3.E-13	4.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	3.E-06	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	6.E-07	1.E-11	2.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	2.E-07	2.E-08	6.E-08	4.E-08	4.E-08	3.E-07	5.E-08	1.E-12	1.E-09	5.E-07
Grand Island, NE	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	1.E-05	4.E-07	1.E-06	7.E-07	5.E-07	4.E-06	7.E-07	8.E-11	5.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	6.E-04	1.E-05	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	6.E-11	4.E-08	9.E-06
	Iron	3.E+01	5.E-01	5.E-01	1.E+00	2.E-01	8.E-03	3.E-04	7.E-06	2.E-05	1.E-05	8.E-06	5.E-05	7.E-06	9.E-10	9.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	8.E-04	2.E-05	2.E-05	2.E-05	8.E-06	1.E-04	2.E-05	1.E-09	2.E-06	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	7.E-04	3.E-05	8.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	3.E-12	3.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	2.E-07	5.E-09	1.E-08	1.E-08	7.E-09	6.E-08	1.E-08	1.E-12	7.E-10	1.E-07
	NPK as N	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	9.E-06	3.E-07	7.E-07	6.E-07	5.E-07	3.E-06	6.E-07	5.E-11	3.E-08	6.E-06
	NPK for P2O5	2.E-01	5.E-03	4.E-03	3.E-02	4.E-03	2.E-04	2.E-06	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	2.E-11	1.E-08	3.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	2.E-06	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	1.E-11	8.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	1.E-07	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	4.E-13	3.E-10	4.E-08
	S as Nutrient	3.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	3.E-07	8.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	1.E-12	9.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	1.E-05	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	6.E-07	5.E-11	4.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	7.E-07	2.E-08	6.E-08	5.E-08	3.E-08	3.E-07	5.E-08	4.E-12	3.E-09	5.E-07

95th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Arsenic (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
Harrisburg, PA	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	1.E-05	4.E-07	1.E-06	7.E-07	5.E-07	4.E-06	7.E-07	6.E-11	2.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	5.E-04	8.E-06	3.E-07	9.E-07	7.E-07	7.E-07	5.E-06	8.E-07	5.E-11	2.E-08	8.E-06
	Iron	2.E+01	5.E-01	4.E-01	1.E+00	2.E-01	8.E-03	2.E-04	7.E-06	2.E-05	1.E-05	7.E-06	5.E-05	7.E-06	8.E-10	5.E-07	9.E-05
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	9.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	1.E-09	1.E-06	2.E-04
	Micronutrients	8.E-02	1.E-03	1.E-03	4.E-03	6.E-04	3.E-05	7.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	3.E-12	2.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	1.E-07	5.E-09	1.E-08	1.E-08	6.E-09	6.E-08	1.E-08	8.E-13	3.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	8.E-06	3.E-07	7.E-07	5.E-07	5.E-07	3.E-06	6.E-07	4.E-11	2.E-08	5.E-06
	NPK for P2O5	2.E-01	5.E-03	4.E-03	2.E-02	4.E-03	2.E-04	2.E-06	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	1.E-11	5.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	2.E-06	6.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	1.E-11	4.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	8.E-08	2.E-09	5.E-09	4.E-09	3.E-09	2.E-08	3.E-09	3.E-13	2.E-10	4.E-08
	S as Nutrient	2.E-02	4.E-04	4.E-04	1.E-03	2.E-04	9.E-06	2.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	8.E-13	5.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	9.E-06	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	6.E-07	4.E-11	2.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	6.E-07	2.E-08	5.E-08	4.E-08	3.E-08	3.E-07	5.E-08	4.E-12	1.E-09	4.E-07
Hartford, CT	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	1.E-05	4.E-07	1.E-06	7.E-07	5.E-07	4.E-06	6.E-07	6.E-11	2.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	5.E-04	8.E-06	3.E-07	8.E-07	7.E-07	7.E-07	5.E-06	7.E-07	5.E-11	2.E-08	8.E-06
	Iron	2.E+01	4.E-01	4.E-01	1.E+00	2.E-01	7.E-03	2.E-04	7.E-06	2.E-05	1.E-05	6.E-06	5.E-05	7.E-06	8.E-10	4.E-07	9.E-05
	Liming Materials	9.E+01	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	7.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	1.E-09	7.E-07	2.E-04
	Micronutrients	7.E-02	1.E-03	1.E-03	3.E-03	6.E-04	3.E-05	7.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	3.E-12	1.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	9.E-04	2.E-04	9.E-06	2.E-07	5.E-09	1.E-08	1.E-08	6.E-09	6.E-08	9.E-09	9.E-13	3.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	8.E-06	3.E-07	7.E-07	5.E-07	5.E-07	3.E-06	5.E-07	4.E-11	1.E-08	5.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	2.E-04	2.E-06	7.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	1.E-11	4.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	2.E-06	6.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	1.E-11	3.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	8.E-08	2.E-09	5.E-09	4.E-09	3.E-09	2.E-08	3.E-09	3.E-13	1.E-10	4.E-08
	S as Nutrient	2.E-02	4.E-04	4.E-04	1.E-03	2.E-04	9.E-06	2.E-07	7.E-09	2.E-08	1.E-08	7.E-09	7.E-08	1.E-08	8.E-13	4.E-10	1.E-07
	S as Ph	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	9.E-06	3.E-07	8.E-07	5.E-07	5.E-07	4.E-06	5.E-07	4.E-11	1.E-08	6.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	6.E-07	2.E-08	5.E-08	4.E-08	3.E-08	3.E-07	5.E-08	4.E-12	1.E-09	4.E-07
Houston, TX	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	3.E-05	4.E-07	1.E-06	7.E-07	4.E-07	4.E-06	7.E-07	1.E-10	2.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	5.E-04	2.E-05	3.E-07	8.E-07	6.E-07	7.E-07	5.E-06	7.E-07	1.E-10	1.E-08	8.E-06
	Iron	2.E+01	4.E-01	4.E-01	1.E+00	2.E-01	8.E-03	5.E-04	7.E-06	2.E-05	1.E-05	7.E-06	5.E-05	7.E-06	2.E-09	3.E-07	9.E-05
	Liming Materials	9.E+01	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	2.E-03	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	3.E-09	6.E-07	2.E-04
	Micronutrients	7.E-02	1.E-03	1.E-03	4.E-03	6.E-04	3.E-05	2.E-06	2.E-08	5.E-08	4.E-08	2.E-08	2.E-07	4.E-08	7.E-12	1.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	9.E-04	2.E-04	9.E-06	4.E-07	5.E-09	1.E-08	1.E-08	6.E-09	6.E-08	1.E-08	2.E-12	2.E-10	9.E-08
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	2.E-05	3.E-07	7.E-07	5.E-07	4.E-07	3.E-06	5.E-07	1.E-10	1.E-08	5.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	2.E-04	5.E-06	7.E-08	2.E-07	2.E-07	2.E-07	2.E-06	2.E-07	4.E-11	4.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	5.E-06	6.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	3.E-11	3.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	2.E-07	2.E-09	5.E-09	4.E-09	3.E-09	2.E-08	3.E-09	8.E-13	1.E-10	4.E-08
	S as Nutrient	2.E-02	4.E-04	4.E-04	1.E-03	2.E-04	9.E-06	6.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	2.E-12	3.E-10	1.E-07
	S as Ph	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	2.E-05	3.E-07	8.E-07	5.E-07	5.E-07	4.E-06	6.E-07	1.E-10	1.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	2.E-06	2.E-08	5.E-08	4.E-08	3.E-08	3.E-07	4.E-08	9.E-12	1.E-09	4.E-07

95th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Arsenic (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
Huntington, WV	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	1.E-05	4.E-07	1.E-06	7.E-07	5.E-07	4.E-06	7.E-07	6.E-11	3.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	6.E-04	8.E-06	3.E-07	9.E-07	7.E-07	7.E-07	5.E-06	8.E-07	5.E-11	2.E-08	8.E-06
	Iron	3.E+01	5.E-01	4.E-01	1.E+00	2.E-01	8.E-03	2.E-04	7.E-06	2.E-05	1.E-05	7.E-06	5.E-05	7.E-06	7.E-10	5.E-07	9.E-05
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	8.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	1.E-09	1.E-06	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	6.E-04	3.E-05	7.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	3.E-12	2.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	1.E-07	5.E-09	1.E-08	1.E-08	6.E-09	6.E-08	1.E-08	8.E-13	4.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	8.E-06	3.E-07	8.E-07	5.E-07	5.E-07	3.E-06	6.E-07	4.E-11	2.E-08	6.E-06
	NPK for P2O5	2.E-01	5.E-03	4.E-03	2.E-02	4.E-03	2.E-04	2.E-06	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	1.E-11	5.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	2.E-06	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	1.E-11	4.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	8.E-08	2.E-09	5.E-09	4.E-09	3.E-09	2.E-08	3.E-09	3.E-13	2.E-10	4.E-08
	S as Nutrient	3.E-02	5.E-04	4.E-04	1.E-03	2.E-04	9.E-06	2.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	9.E-13	5.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	9.E-06	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	6.E-07	4.E-11	2.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	6.E-07	2.E-08	6.E-08	4.E-08	3.E-08	3.E-07	5.E-08	3.E-12	1.E-09	5.E-07
Las Vegas, NV	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	2.E-06	4.E-07	1.E-06	8.E-07	5.E-07	4.E-06	7.E-07	1.E-11	2.E-08	8.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	9.E-02	1.E-02	6.E-04	2.E-06	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	1.E-11	2.E-08	8.E-06
	Iron	3.E+01	5.E-01	5.E-01	1.E+00	2.E-01	9.E-03	5.E-05	7.E-06	2.E-05	1.E-05	8.E-06	5.E-05	7.E-06	2.E-10	5.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	2.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	3.E-10	1.E-06	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	7.E-04	3.E-05	1.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	6.E-13	2.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	3.E-08	5.E-09	1.E-08	1.E-08	7.E-09	6.E-08	1.E-08	2.E-13	4.E-10	1.E-07
	NPK as N	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	2.E-06	3.E-07	7.E-07	6.E-07	5.E-07	3.E-06	6.E-07	7.E-12	2.E-08	5.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	3.E-02	4.E-03	2.E-04	4.E-07	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	3.E-12	5.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	4.E-07	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	3.E-12	4.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	2.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	6.E-14	2.E-10	4.E-08
	S as Nutrient	3.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	5.E-08	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	1.E-13	5.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	2.E-06	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	6.E-07	8.E-12	2.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	1.E-07	2.E-08	6.E-08	4.E-08	3.E-08	3.E-07	5.E-08	7.E-13	1.E-09	5.E-07
Los Angeles, CA	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	3.E-06	4.E-07	1.E-06	8.E-07	5.E-07	5.E-06	7.E-07	2.E-11	2.E-08	8.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	6.E-04	2.E-06	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	1.E-11	2.E-08	9.E-06
	Iron	3.E+01	5.E-01	4.E-01	1.E+00	2.E-01	8.E-03	6.E-05	7.E-06	2.E-05	1.E-05	8.E-06	5.E-05	8.E-06	2.E-10	4.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	2.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	3.E-10	9.E-07	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	7.E-04	3.E-05	2.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	7.E-13	1.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	4.E-08	5.E-09	1.E-08	1.E-08	8.E-09	6.E-08	1.E-08	2.E-13	3.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	2.E-06	3.E-07	8.E-07	6.E-07	5.E-07	3.E-06	6.E-07	1.E-11	1.E-08	6.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	2.E-02	4.E-03	2.E-04	6.E-07	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	4.E-12	4.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	5.E-07	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	3.E-12	3.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	2.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	8.E-14	1.E-10	4.E-08
	S as Nutrient	3.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	6.E-08	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	2.E-13	3.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	2.E-06	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	6.E-07	1.E-11	1.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	2.E-07	2.E-08	6.E-08	5.E-08	3.E-08	3.E-07	5.E-08	9.E-13	1.E-09	5.E-07

95th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Arsenic (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
Memphis, TN	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	2.E-05	4.E-07	1.E-06	7.E-07	4.E-07	4.E-06	6.E-07	1.E-10	2.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	5.E-04	2.E-05	3.E-07	9.E-07	7.E-07	7.E-07	5.E-06	8.E-07	1.E-10	1.E-08	8.E-06
	Iron	2.E+01	4.E-01	4.E-01	1.E+00	2.E-01	8.E-03	5.E-04	7.E-06	2.E-05	1.E-05	7.E-06	5.E-05	7.E-06	2.E-09	3.E-07	9.E-05
	Liming Materials	9.E+01	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	2.E-03	2.E-05	2.E-05	1.E-05	8.E-06	1.E-04	2.E-05	3.E-09	8.E-07	2.E-04
	Micronutrients	7.E-02	1.E-03	1.E-03	3.E-03	6.E-04	3.E-05	1.E-06	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	5.E-12	1.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	9.E-04	2.E-04	9.E-06	3.E-07	5.E-09	1.E-08	1.E-08	6.E-09	6.E-08	9.E-09	2.E-12	3.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	9.E-03	4.E-04	2.E-05	3.E-07	7.E-07	5.E-07	5.E-07	3.E-06	5.E-07	8.E-11	1.E-08	5.E-06
	NPK for P2O5	2.E-01	5.E-03	4.E-03	2.E-02	3.E-03	2.E-04	4.E-06	7.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	3.E-11	4.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	2.E-03	1.E-04	4.E-06	6.E-08	2.E-07	2.E-07	2.E-07	9.E-07	2.E-07	3.E-11	3.E-09	2.E-06
	Potash	9.E-03	2.E-04	2.E-04	4.E-04	6.E-05	2.E-06	2.E-07	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	7.E-13	1.E-10	4.E-08
	S as Nutrient	2.E-02	4.E-04	4.E-04	1.E-03	2.E-04	9.E-06	5.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	2.E-12	4.E-10	1.E-07
	S as Ph	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	2.E-05	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	5.E-07	8.E-11	1.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	1.E-06	2.E-08	5.E-08	4.E-08	3.E-08	3.E-07	4.E-08	7.E-12	1.E-09	4.E-07
Miami, FL	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	1.E-05	3.E-07	9.E-07	6.E-07	4.E-07	4.E-06	6.E-07	5.E-11	1.E-08	6.E-06
	Gypsum Products	9.E-01	1.E-02	1.E-02	7.E-02	1.E-02	5.E-04	9.E-06	3.E-07	8.E-07	6.E-07	7.E-07	5.E-06	6.E-07	6.E-11	9.E-09	7.E-06
	Iron	2.E+01	4.E-01	4.E-01	1.E+00	1.E-01	6.E-03	2.E-04	6.E-06	2.E-05	1.E-05	7.E-06	4.E-05	7.E-06	7.E-10	2.E-07	8.E-05
	Liming Materials	8.E+01	1.E+00	1.E+00	9.E-01	2.E-01	9.E-03	6.E-04	2.E-05	2.E-05	1.E-05	7.E-06	1.E-04	1.E-05	1.E-09	4.E-07	2.E-04
	Micronutrients	7.E-02	1.E-03	1.E-03	3.E-03	5.E-04	2.E-05	7.E-07	2.E-08	5.E-08	4.E-08	2.E-08	2.E-07	4.E-08	2.E-12	6.E-10	4.E-07
	Mn	1.E-02	3.E-04	3.E-04	9.E-04	2.E-04	7.E-06	2.E-07	5.E-09	1.E-08	9.E-09	6.E-09	5.E-08	9.E-09	7.E-13	2.E-10	9.E-08
	NPK as N	8.E-01	1.E-02	1.E-02	5.E-02	8.E-03	3.E-04	8.E-06	2.E-07	6.E-07	5.E-07	5.E-07	2.E-06	4.E-07	4.E-11	8.E-09	4.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	2.E-06	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	1.E-11	2.E-09	2.E-06
	P2O5 - 1	2.E-01	3.E-03	3.E-03	2.E-02	2.E-03	1.E-04	2.E-06	6.E-08	2.E-07	1.E-07	1.E-07	1.E-06	2.E-07	1.E-11	2.E-09	2.E-06
	Potash	8.E-03	1.E-04	1.E-04	4.E-04	5.E-05	2.E-06	9.E-08	2.E-09	5.E-09	4.E-09	3.E-09	2.E-08	3.E-09	3.E-13	7.E-11	3.E-08
	S as Nutrient	2.E-02	4.E-04	4.E-04	9.E-04	2.E-04	8.E-06	3.E-07	7.E-09	2.E-08	1.E-08	8.E-09	6.E-08	8.E-09	7.E-13	2.E-10	1.E-07
	S as Ph	9.E-01	2.E-02	1.E-02	5.E-02	9.E-03	4.E-04	9.E-06	3.E-07	8.E-07	5.E-07	5.E-07	4.E-06	5.E-07	4.E-11	9.E-09	6.E-06
	Zinc	6.E-02	1.E-03	1.E-03	4.E-03	6.E-04	3.E-05	6.E-07	2.E-08	5.E-08	4.E-08	3.E-08	2.E-07	4.E-08	3.E-12	6.E-10	4.E-07
Minneapolis, MN	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	9.E-06	4.E-07	1.E-06	8.E-07	5.E-07	4.E-06	7.E-07	5.E-11	4.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	6.E-04	7.E-06	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	4.E-11	3.E-08	9.E-06
	Iron	3.E+01	5.E-01	5.E-01	1.E+00	2.E-01	8.E-03	2.E-04	7.E-06	2.E-05	1.E-05	8.E-06	5.E-05	8.E-06	7.E-10	7.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	6.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	1.E-09	2.E-06	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	7.E-04	3.E-05	6.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	2.E-12	2.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	1.E-07	5.E-09	2.E-08	1.E-08	7.E-09	6.E-08	1.E-08	7.E-13	5.E-10	1.E-07
	NPK as N	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	7.E-06	3.E-07	7.E-07	6.E-07	5.E-07	3.E-06	6.E-07	3.E-11	2.E-08	5.E-06
	NPK for P2O5	2.E-01	5.E-03	5.E-03	3.E-02	4.E-03	2.E-04	2.E-06	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	1.E-11	7.E-09	3.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	2.E-06	6.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	1.E-11	6.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	7.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	3.E-13	2.E-10	4.E-08
	S as Nutrient	2.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	2.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	7.E-13	7.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	8.E-06	3.E-07	9.E-07	6.E-07	5.E-07	4.E-06	6.E-07	3.E-11	3.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	5.E-07	2.E-08	6.E-08	5.E-08	3.E-08	3.E-07	5.E-08	3.E-12	2.E-09	5.E-07

95th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Arsenic (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
Philadelphia, PA	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	1.E-05	4.E-07	1.E-06	7.E-07	5.E-07	4.E-06	6.E-07	7.E-11	2.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	5.E-04	1.E-05	3.E-07	8.E-07	6.E-07	7.E-07	5.E-06	8.E-07	6.E-11	2.E-08	8.E-06
	Iron	2.E+01	4.E-01	4.E-01	1.E+00	2.E-01	8.E-03	3.E-04	7.E-06	2.E-05	1.E-05	6.E-06	5.E-05	7.E-06	9.E-10	4.E-07	9.E-05
	Liming Materials	9.E+01	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	9.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	1.E-09	9.E-07	2.E-04
	Micronutrients	7.E-02	1.E-03	1.E-03	3.E-03	6.E-04	3.E-05	9.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	3.E-12	1.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	2.E-07	5.E-09	1.E-08	1.E-08	6.E-09	6.E-08	9.E-09	1.E-12	3.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	1.E-05	3.E-07	8.E-07	5.E-07	5.E-07	3.E-06	5.E-07	5.E-11	1.E-08	5.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	2.E-02	4.E-03	2.E-04	2.E-06	7.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	2.E-11	4.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	2.E-06	6.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	1.E-11	4.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	1.E-07	2.E-09	5.E-09	4.E-09	3.E-09	2.E-08	3.E-09	4.E-13	1.E-10	4.E-08
	S as Nutrient	2.E-02	4.E-04	4.E-04	1.E-03	2.E-04	9.E-06	3.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	1.E-12	4.E-10	1.E-07
	S as Ph	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	1.E-05	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	5.E-07	5.E-11	2.E-08	6.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	7.E-07	2.E-08	5.E-08	4.E-08	3.E-08	3.E-07	5.E-08	4.E-12	1.E-09	4.E-07
Phoenix, AZ	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	3.E-06	4.E-07	1.E-06	8.E-07	5.E-07	4.E-06	7.E-07	2.E-11	2.E-08	8.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	6.E-04	2.E-06	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	1.E-11	2.E-08	9.E-06
	Iron	3.E+01	5.E-01	5.E-01	1.E+00	2.E-01	8.E-03	6.E-05	7.E-06	2.E-05	1.E-05	8.E-06	5.E-05	7.E-06	2.E-10	4.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	2.E-04	2.E-05	2.E-05	2.E-05	8.E-06	1.E-04	2.E-05	3.E-10	7.E-07	2.E-04
	Micronutrients	8.E-02	2.E-03	1.E-03	4.E-03	7.E-04	3.E-05	2.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	8.E-13	1.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	5.E-08	5.E-09	2.E-08	1.E-08	8.E-09	6.E-08	1.E-08	3.E-13	3.E-10	1.E-07
	NPK as N	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	2.E-06	3.E-07	8.E-07	6.E-07	5.E-07	3.E-06	6.E-07	1.E-11	1.E-08	6.E-06
	NPK for P2O5	2.E-01	5.E-03	4.E-03	3.E-02	4.E-03	2.E-04	6.E-07	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	4.E-12	4.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	5.E-07	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	3.E-12	3.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	2.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	9.E-14	1.E-10	4.E-08
	S as Nutrient	3.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	7.E-08	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	2.E-13	4.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	2.E-06	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	6.E-07	1.E-11	1.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	2.E-07	2.E-08	6.E-08	4.E-08	3.E-08	3.E-07	5.E-08	1.E-12	1.E-09	5.E-07
Portland, ME	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	8.E-06	3.E-07	1.E-06	7.E-07	4.E-07	4.E-06	6.E-07	5.E-11	2.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	7.E-02	1.E-02	5.E-04	6.E-06	3.E-07	8.E-07	6.E-07	7.E-07	5.E-06	7.E-07	4.E-11	2.E-08	8.E-06
	Iron	2.E+01	4.E-01	4.E-01	1.E+00	2.E-01	7.E-03	2.E-04	7.E-06	2.E-05	1.E-05	6.E-06	5.E-05	7.E-06	6.E-10	4.E-07	9.E-05
	Liming Materials	9.E+01	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	6.E-04	2.E-05	2.E-05	1.E-05	9.E-06	1.E-04	2.E-05	9.E-10	1.E-06	2.E-04
	Micronutrients	7.E-02	1.E-03	1.E-03	3.E-03	6.E-04	3.E-05	5.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	2.E-12	1.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	1.E-07	5.E-09	1.E-08	1.E-08	6.E-09	6.E-08	9.E-09	7.E-13	3.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	5.E-02	1.E-02	4.E-04	6.E-06	3.E-07	7.E-07	5.E-07	4.E-07	3.E-06	5.E-07	3.E-11	2.E-08	5.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	2.E-06	7.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	1.E-11	5.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	1.E-06	6.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	9.E-12	4.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	2.E-06	6.E-08	2.E-09	5.E-09	4.E-09	3.E-09	2.E-08	3.E-09	2.E-13	1.E-10	4.E-08
	S as Nutrient	2.E-02	4.E-04	4.E-04	1.E-03	2.E-04	8.E-06	2.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	6.E-13	5.E-10	1.E-07
	S as Ph	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	7.E-06	3.E-07	8.E-07	5.E-07	5.E-07	4.E-06	5.E-07	3.E-11	2.E-08	6.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	5.E-07	2.E-08	5.E-08	4.E-08	3.E-08	3.E-07	5.E-08	3.E-12	1.E-09	4.E-07

95th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Arsenic (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
Raleigh-Durham, NC	Boron	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	1.E-05	3.E-07	1.E-06	7.E-07	5.E-07	4.E-06	6.E-07	9.E-11	2.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	5.E-04	1.E-05	3.E-07	9.E-07	6.E-07	7.E-07	5.E-06	7.E-07	7.E-11	1.E-08	8.E-06
	Iron	2.E+01	4.E-01	4.E-01	1.E+00	2.E-01	8.E-03	3.E-04	7.E-06	2.E-05	1.E-05	6.E-06	5.E-05	7.E-06	1.E-09	3.E-07	9.E-05
	Liming Materials	9.E+01	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	1.E-03	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	2.E-09	6.E-07	2.E-04
	Micronutrients	7.E-02	2.E-03	1.E-03	3.E-03	6.E-04	3.E-05	9.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	4.E-12	1.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	9.E-04	2.E-04	9.E-06	2.E-07	5.E-09	2.E-08	1.E-08	6.E-09	6.E-08	1.E-08	1.E-12	3.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	1.E-05	3.E-07	7.E-07	5.E-07	5.E-07	3.E-06	5.E-07	5.E-11	1.E-08	5.E-06
	NPK for P2O5	2.E-01	5.E-03	4.E-03	2.E-02	4.E-03	2.E-04	3.E-06	7.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	2.E-11	4.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	2.E-06	6.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	2.E-11	3.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	1.E-07	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	4.E-13	1.E-10	4.E-08
	S as Nutrient	2.E-02	5.E-04	4.E-04	1.E-03	2.E-04	9.E-06	3.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	1.E-12	3.E-10	1.E-07
	S as Ph	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	1.E-05	3.E-07	9.E-07	6.E-07	5.E-07	4.E-06	6.E-07	6.E-11	1.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	8.E-07	2.E-08	6.E-08	4.E-08	3.E-08	3.E-07	4.E-08	5.E-12	9.E-10	4.E-07
Salem, OR	Boron	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	5.E-06	4.E-07	1.E-06	7.E-07	5.E-07	4.E-06	6.E-07	2.E-11	2.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	8.E-02	1.E-02	5.E-04	4.E-06	3.E-07	8.E-07	6.E-07	7.E-07	5.E-06	8.E-07	2.E-11	2.E-08	8.E-06
	Iron	2.E+01	4.E-01	4.E-01	1.E+00	2.E-01	8.E-03	9.E-05	7.E-06	2.E-05	1.E-05	7.E-06	5.E-05	7.E-06	3.E-10	5.E-07	9.E-05
	Liming Materials	9.E+01	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	3.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	4.E-10	1.E-06	2.E-04
	Micronutrients	7.E-02	1.E-03	1.E-03	4.E-03	6.E-04	3.E-05	3.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	1.E-12	2.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	6.E-08	5.E-09	1.E-08	1.E-08	6.E-09	6.E-08	1.E-08	3.E-13	4.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	3.E-06	3.E-07	7.E-07	5.E-07	5.E-07	3.E-06	5.E-07	1.E-11	2.E-08	5.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	2.E-02	4.E-03	2.E-04	1.E-06	7.E-08	2.E-07	2.E-07	2.E-07	2.E-06	2.E-07	5.E-12	5.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	8.E-07	6.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	4.E-12	4.E-09	2.E-06
	Potash	9.E-03	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	3.E-08	2.E-09	5.E-09	4.E-09	3.E-09	2.E-08	3.E-09	1.E-13	2.E-10	4.E-08
	S as Nutrient	2.E-02	4.E-04	4.E-04	1.E-03	2.E-04	9.E-06	1.E-07	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	3.E-13	5.E-10	1.E-07
	S as Ph	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	3.E-06	3.E-07	8.E-07	5.E-07	5.E-07	4.E-06	5.E-07	1.E-11	2.E-08	6.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	2.E-07	2.E-08	5.E-08	4.E-08	3.E-08	3.E-07	5.E-08	1.E-12	1.E-09	4.E-07
Salt Lake City, UT	Boron	1.E+00	2.E-02	2.E-02	8.E-02	1.E-02	6.E-04	3.E-06	4.E-07	1.E-06	8.E-07	5.E-07	5.E-06	7.E-07	2.E-11	2.E-08	8.E-06
	Gypsum Products	1.E+00	2.E-02	2.E-02	9.E-02	1.E-02	6.E-04	2.E-06	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	1.E-11	2.E-08	9.E-06
	Iron	3.E+01	5.E-01	5.E-01	1.E+00	2.E-01	9.E-03	6.E-05	7.E-06	2.E-05	1.E-05	8.E-06	6.E-05	8.E-06	2.E-10	5.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	2.E-04	2.E-05	3.E-05	2.E-05	9.E-06	2.E-04	2.E-05	3.E-10	1.E-06	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	7.E-04	3.E-05	2.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	7.E-13	1.E-09	4.E-07
	Mn	2.E-02	4.E-04	4.E-04	1.E-03	2.E-04	9.E-06	4.E-08	6.E-09	2.E-08	1.E-08	8.E-09	6.E-08	1.E-08	2.E-13	4.E-10	1.E-07
	NPK as N	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	2.E-06	3.E-07	8.E-07	6.E-07	5.E-07	3.E-06	6.E-07	1.E-11	2.E-08	6.E-06
	NPK for P2O5	2.E-01	5.E-03	5.E-03	3.E-02	4.E-03	2.E-04	6.E-07	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	4.E-12	5.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	5.E-07	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	3.E-12	4.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	2.E-08	2.E-09	6.E-09	5.E-09	3.E-09	2.E-08	3.E-09	8.E-14	1.E-10	4.E-08
	S as Nutrient	3.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	6.E-08	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	2.E-13	4.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	2.E-06	3.E-07	9.E-07	6.E-07	5.E-07	4.E-06	6.E-07	1.E-11	2.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	8.E-04	3.E-05	2.E-07	2.E-08	6.E-08	5.E-08	3.E-08	3.E-07	5.E-08	8.E-13	1.E-09	5.E-07

95th Percentile Media Concentrations and Risks from Application of Fertilizer Products
Arsenic (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
San Francisco, CA	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	3.E-06	4.E-07	1.E-06	8.E-07	5.E-07	4.E-06	7.E-07	2.E-11	5.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	9.E-02	1.E-02	6.E-04	3.E-06	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	2.E-11	4.E-08	8.E-06
	Iron	2.E+01	4.E-01	4.E-01	1.E+00	2.E-01	8.E-03	7.E-05	7.E-06	2.E-05	1.E-05	8.E-06	5.E-05	7.E-06	2.E-10	9.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	2.E-04	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	3.E-10	2.E-06	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	7.E-04	3.E-05	2.E-07	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	8.E-13	3.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	5.E-08	5.E-09	2.E-08	1.E-08	8.E-09	6.E-08	1.E-08	3.E-13	7.E-10	1.E-07
	NPK as N	8.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	2.E-06	3.E-07	8.E-07	6.E-07	5.E-07	3.E-06	5.E-07	1.E-11	3.E-08	5.E-06
	NPK for P2O5	2.E-01	5.E-03	4.E-03	3.E-02	4.E-03	2.E-04	7.E-07	8.E-08	3.E-07	2.E-07	2.E-07	2.E-06	2.E-07	4.E-12	1.E-08	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	5.E-07	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	3.E-12	9.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	2.E-08	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	1.E-13	3.E-10	4.E-08
	S as Nutrient	2.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	7.E-08	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	2.E-13	9.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	5.E-04	3.E-06	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	6.E-07	1.E-11	4.E-08	6.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	2.E-07	2.E-08	5.E-08	4.E-08	3.E-08	3.E-07	5.E-08	1.E-12	3.E-09	5.E-07
Winnemucca, NV	**Boron**	1.E+00	2.E-02	2.E-02	7.E-02	1.E-02	6.E-04	8.E-07	4.E-07	1.E-06	8.E-07	5.E-07	4.E-06	7.E-07	4.E-12	2.E-08	7.E-06
	Gypsum Products	9.E-01	2.E-02	2.E-02	9.E-02	1.E-02	6.E-04	7.E-07	3.E-07	9.E-07	7.E-07	8.E-07	5.E-06	8.E-07	4.E-12	2.E-08	8.E-06
	Iron	3.E+01	5.E-01	5.E-01	1.E+00	2.E-01	8.E-03	2.E-05	7.E-06	2.E-05	1.E-05	8.E-06	5.E-05	7.E-06	5.E-11	4.E-07	1.E-04
	Liming Materials	1.E+02	1.E+00	1.E+00	1.E+00	3.E-01	1.E-02	6.E-05	2.E-05	2.E-05	2.E-05	9.E-06	1.E-04	2.E-05	9.E-11	9.E-07	2.E-04
	Micronutrients	8.E-02	2.E-03	2.E-03	4.E-03	7.E-04	3.E-05	6.E-08	2.E-08	6.E-08	4.E-08	2.E-08	2.E-07	4.E-08	2.E-13	1.E-09	4.E-07
	Mn	2.E-02	3.E-04	3.E-04	1.E-03	2.E-04	9.E-06	1.E-08	5.E-09	1.E-08	1.E-08	8.E-09	6.E-08	1.E-08	7.E-14	3.E-10	1.E-07
	NPK as N	9.E-01	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	6.E-07	3.E-07	8.E-07	6.E-07	5.E-07	3.E-06	6.E-07	3.E-12	1.E-08	5.E-06
	NPK for P2O5	2.E-01	4.E-03	4.E-03	2.E-02	4.E-03	2.E-04	2.E-07	8.E-08	2.E-07	2.E-07	2.E-07	2.E-06	2.E-07	1.E-12	4.E-09	2.E-06
	P2O5 - 1	2.E-01	4.E-03	4.E-03	2.E-02	3.E-03	1.E-04	1.E-07	7.E-08	2.E-07	2.E-07	2.E-07	1.E-06	2.E-07	9.E-13	3.E-09	2.E-06
	Potash	1.E-02	2.E-04	2.E-04	4.E-04	6.E-05	3.E-06	6.E-09	2.E-09	6.E-09	4.E-09	3.E-09	2.E-08	3.E-09	2.E-14	1.E-10	4.E-08
	S as Nutrient	3.E-02	5.E-04	5.E-04	1.E-03	2.E-04	9.E-06	2.E-08	7.E-09	2.E-08	1.E-08	8.E-09	7.E-08	1.E-08	6.E-14	4.E-10	1.E-07
	S as Ph	1.E+00	2.E-02	2.E-02	6.E-02	1.E-02	4.E-04	7.E-07	3.E-07	8.E-07	6.E-07	5.E-07	4.E-06	6.E-07	3.E-12	2.E-08	7.E-06
	Zinc	7.E-02	1.E-03	1.E-03	5.E-03	7.E-04	3.E-05	5.E-08	2.E-08	6.E-08	5.E-08	3.E-08	3.E-07	5.E-08	2.E-13	1.E-09	5.E-07

Numbers less than 0.00001 appear as a default of 0.00000.