

**Soil Test Sample Summary of Micronutrients
for
All 2010 Samples**

Agronomic crops

Boron	Zinc	Copper	Iron	Manganese
low: 336	low: 127	low: 82	low: 78	low: 78
medium: 1245	medium: 647	below norm: 983	below norm: 471	below norm: 536
optimum: 566	optimum: 902	normal: 924	normal: 531	normal: 911
above opt: 26	above opt: 497	above norm: 184	above norm: 1093	above norm: 648

Lawns & Turf crops

Boron not reported	Zinc	Copper	Iron	Manganese
	low: 56	low: 44	low: 29	low: 73
	medium: 224	below norm: 480	below norm: 260	below norm: 304
	optimum: 305	normal: 517	normal: 243	normal: 395
	above opt: 498	above norm: 42	above norm: 551	above norm: 311

Commercial Vegetables

Boron	Zinc	Copper	Iron	Manganese
low: 41	low: 8	low: 13	low: 14	low: 21
medium: 144	medium: 54	below norm: 101	below norm: 91	below norm: 76
optimum: 35	optimum: 98	normal: 100	normal: 74	normal: 92
above opt: 19	above opt: 79	above norm: 25	above norm: 60	above norm: 50

Chemical Home Gardens

Boron not reported	Zinc	Copper	Iron	Manganese
	low: 26	low: 34	low: 83	low: 24
	medium: 79	below norm: 368	below norm: 329	below norm: 178
	optimum: 210	normal: 380	normal: 191	normal: 298
	above opt: 478	above norm: 11	above norm: 190	above norm: 293

Organic Gardens & Crops

Boron not reported	Zinc	Copper	Iron	Manganese
	low: 38	low: 104	low: 162	low: 86
	medium: 210	below norm: 961	below norm: 895	below norm: 425
	optimum: 449	normal: 963	normal: 497	normal: 896
	above opt: 1388	above norm: 57	above norm: 531	above norm: 678

Commercial Fruit

Boron	Zinc	Copper	Iron	Manganese
low: 27	low: 12	low: 8	low: 11	low: 9
medium: 126	medium: 47	below norm: 91	below norm: 48	below norm: 43
optimum: 76	optimum: 58	normal: 116	normal: 61	normal: 103
above opt: 11	above opt: 123	above norm: 25	above norm: 120	above norm: 85

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Commercial Potatoes/Rotation crops

Boron	Zinc	Copper	Iron	Manganese
low: 417	low: 137	low: 7	low: 55	low: 5
medium: 1058	medium: 589	below norm: 227	below norm: 581	below norm: 218
optimum: 192	optimum: 753	normal: 594	normal: 653	normal: 914
above opt: 4	above opt: 192	above norm: 843	above norm: 382	above norm: 534

Forestry/Christmas trees

Boron	Zinc	Copper	Iron	Manganese
low: 15	low: 9	low: 3	low: 1	low: 3
medium: 36	medium: 18	below norm: 28	below norm: 11	below norm: 16
optimum: 11	optimum: 19	normal: 25	normal: 8	normal: 17
above opt: 0	above opt: 16	above norm: 6	above norm: 42	above norm: 26

Ornamentals

Boron not reported	Zinc	Copper	Iron	Manganese
	low: 9	low: 11	low: 16	low: 9
	medium: 19	below norm: 127	below norm: 128	below norm: 61
	optimum: 37	normal: 158	normal: 73	normal: 97
	above opt: 239	above norm: 8	above norm: 87	above norm: 137

No crop/Other

Boron	Zinc	Copper	Iron	Manganese
low: 46	low: 20	low: 14	low: 10	low: 0
medium: 31	medium: 9	below norm: 45	below norm: 18	below norm: 29
optimum: 32	optimum: 29	normal: 52	normal: 20	normal: 21
above opt: 18	above opt: 69	above norm: 16	above norm: 79	above norm: 77

Grand Totals

Boron	Zinc	Copper	Iron	Manganese
low: 1583	low: 442	low: 324	low: 459	low: 308
medium: 4508	medium: 1899	below norm: 3431	below norm: 2832	below norm: 1894
optimum: 2202	optimum: 2877	normal: 3838	normal: 2354	normal: 3750
above opt: 517	above opt: 3592	above norm: 1217	above norm: 3165	above norm: 2858