

**Soil Test Sample Summary of Major Nutrients
for
All 2010 Samples**

Agronomic crops

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 177	low: 126	low: 319	low: 179	low: 338	low: 425	low: 105
4.0-4.5: 3	5.1-7.5: 573	medium: 850	medium: 934	medium: 974	medium: 974	medium: 445	medium: 970
4.6-5.0: 73	7.6-10.0: 647	optimum: 1117	optimum: 630	optimum: 534	optimum: 757	optimum: 388	optimum: 864
5.1-5.5: 429	10.1-12.5: 455	above opt: 80	above opt: 290	above opt: 486	above opt: 104	above opt: 915	above opt: 234
5.6-6.0: 717	12.5-15.0: 204						
6.1-6.5: 513	>15.0: 117						
6.5-7.0: 274							
>7.0: 164							

Lawns & Turf crops

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 260	low: 195	low: 206	low: 25	low: 127	low: 248	low: 125
4.0-4.5: 8	5.1-7.5: 312	medium: 518	medium: 315	medium: 294	medium: 339	medium: 225	medium: 501
4.6-5.0: 46	7.6-10.0: 261	optimum: 353	optimum: 136	optimum: 516	optimum: 443	optimum: 262	optimum: 301
5.1-5.5: 204	10.1-12.5: 132	above opt: 17	above opt: 426	above opt: 248	above opt: 174	above opt: 348	above opt: 156
5.6-6.0: 346	12.5-15.0: 77						
6.1-6.5: 244	>15.0: 41						
6.5-7.0: 162							
>7.0: 73							

Commercial Vegetables

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 17	low: 27	low: 11	low: 9	low: 33	low: 53	low: 11
4.0-4.5: 0	5.1-7.5: 82	medium: 118	medium: 85	medium: 45	medium: 84	medium: 52	medium: 98
4.6-5.0: 3	7.6-10.0: 73	optimum: 62	optimum: 91	optimum: 85	optimum: 90	optimum: 53	optimum: 92
5.1-5.5: 41	10.1-12.5: 31	above opt: 32	above opt: 52	above opt: 100	above opt: 32	above opt: 81	above opt: 38
5.6-6.0: 79	12.5-15.0: 13						
6.1-6.5: 67	>15.0: 23						
6.5-7.0: 38							
>7.0: 11							

Chemical Home Gardens

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 24	low: 50	low: 41	low: 75	low: 83	low: 154	low: 132
4.0-4.5: 2	5.1-7.5: 101	medium: 259	medium: 233	medium: 288	medium: 263	medium: 113	medium: 363
4.6-5.0: 17	7.6-10.0: 155	optimum: 265	optimum: 211	optimum: 235	optimum: 318	optimum: 163	optimum: 221
5.1-5.5: 106	10.1-12.5: 179	above opt: 219	above opt: 308	above opt: 195	above opt: 129	above opt: 363	above opt: 77
5.6-6.0: 147	12.5-15.0: 151						
6.1-6.5: 166	>15.0: 183						
6.5-7.0: 195							
>7.0: 160							

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Organic Gardens & Crops

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 1	<5.0: 51	low: 109	low: 149	low: 253	low: 271	low: 376	low: 204
4.0-4.5: 6	5.1-7.5: 258	medium: 606	medium: 619	medium: 824	medium: 635	medium: 379	medium: 852
4.6-5.0: 29	7.6-10.0: 437	optimum: 679	optimum: 537	optimum: 537	optimum: 830	optimum: 413	optimum: 690
5.1-5.5: 258	10.1-12.5: 442	above opt: 691	above opt: 780	above opt: 471	above opt: 349	above opt: 917	above opt: 339
5.6-6.0: 438	12.5-15.0: 378						
6.1-6.5: 528	>15.0: 519						
6.5-7.0: 442							
>7.0: 383							

Commercial Fruit

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 5	<5.0: 69	low: 20	low: 43	low: 3	low: 24	low: 50	low: 17
4.0-4.5: 8	5.1-7.5: 65	medium: 77	medium: 76	medium: 25	medium: 93	medium: 47	medium: 67
4.6-5.0: 29	7.6-10.0: 50	optimum: 81	optimum: 39	optimum: 36	optimum: 108	optimum: 79	optimum: 66
5.1-5.5: 53	10.1-12.5: 25	above opt: 62	above opt: 82	above opt: 176	above opt: 15	above opt: 64	above opt: 90
5.6-6.0: 72	12.5-15.0: 15						
6.1-6.5: 40	>15.0: 16						
6.5-7.0: 20							
>7.0: 13							

Commercial Potatoes/Rotation crops

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 105	low: 311	low: 8	low: 25	low: 112	low: 378	low: 136
4.0-4.5: 8	5.1-7.5: 854	medium: 1277	medium: 323	medium: 334	medium: 667	medium: 579	medium: 675
4.6-5.0: 85	7.6-10.0: 600	optimum: 78	optimum: 1155	optimum: 579	optimum: 809	optimum: 477	optimum: 598
5.1-5.5: 559	10.1-12.5: 74	above opt: 5	above opt: 185	above opt: 733	above opt: 83	above opt: 237	above opt: 262
5.6-6.0: 687	12.5-15.0: 30						
6.1-6.5: 263	>15.0: 8						
6.5-7.0: 62							
>7.0: 7							

Forestry/Christmas trees

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 19	low: 6	low: 13	low: 1	low: 21	low: 28	low: 7
4.0-4.5: 1	5.1-7.5: 16	medium: 15	medium: 30	medium: 18	medium: 23	medium: 11	medium: 12
4.6-5.0: 12	7.6-10.0: 13	optimum: 24	optimum: 8	optimum: 31	optimum: 15	optimum: 8	optimum: 25
5.1-5.5: 17	10.1-12.5: 7	above opt: 17	above opt: 11	above opt: 12	above opt: 3	above opt: 15	above opt: 18
5.6-6.0: 19	12.5-15.0: 3						
6.1-6.5: 4	>15.0: 4						
6.5-7.0: 4							
>7.0: 5							

**Soil Test Sample Summary of Major Nutrients
for
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Ornamentals

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 29	low: 32	low: 17	low: 24	low: 19	low: 24	low: 28
4.0-4.5: 3	5.1-7.5: 34	medium: 53	medium: 54	medium: 117	medium: 108	medium: 50	medium: 156
4.6-5.0: 9	7.6-10.0: 28	optimum: 87	optimum: 70	optimum: 63	optimum: 132	optimum: 69	optimum: 82
5.1-5.5: 32	10.1-12.5: 65	above opt: 132	above opt: 163	above opt: 100	above opt: 45	above opt: 161	above opt: 38
5.6-6.0: 62	12.5-15.0: 61						
6.1-6.5: 82	>15.0: 87						
6.5-7.0: 72							
>7.0: 44							

No crop/Other

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 4	<5.0: 40	low: 63	low: 24	low: 8	low: 20	low: 17	low: 2
4.0-4.5: 12	5.1-7.5: 35	medium: 27	medium: 27	medium: 34	medium: 27	medium: 15	medium: 19
4.6-5.0: 9	7.6-10.0: 22	optimum: 5	optimum: 51	optimum: 26	optimum: 52	optimum: 15	optimum: 25
5.1-5.5: 6	10.1-12.5: 8	above opt: 32	above opt: 25	above opt: 59	above opt: 28	above opt: 80	above opt: 81
5.6-6.0: 10	12.5-15.0: 8						
6.1-6.5: 24	>15.0: 14						
6.5-7.0: 12							
>7.0: 50							

Grand Totals

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 10	<5.0: 810	low: 939	low: 836	low: 603	low: 1053	low: 1768	low: 767
4.0-4.5: 53	5.1-7.5: 2340	medium: 3809	medium: 2715	medium: 2962	medium: 3237	medium: 1933	medium: 3713
4.6-5.0: 327	7.6-10.0: 2289	optimum: 2762	optimum: 2937	optimum: 2654	optimum: 3558	optimum: 1928	optimum: 2972
5.1-5.5: 1721	10.1-12.5: 1419	above opt: 1300	above opt: 2322	above opt: 2591	above opt: 962	above opt: 3181	above opt: 1358
5.6-6.0: 2577	12.5-15.0: 940						
6.1-6.5: 1931	>15.0: 1012						
6.5-7.0: 1281							
>7.0: 910							