

Soil Test Sample Summary of Major Nutrients
for
All 2025 Samples

Agronomic crops

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 101	low: 116	low: 338	low: 95	low: 102	low: 179	low: 453
4.0-4.5: 4	5.1-7.5: 452	medium: 634	medium: 835	medium: 597	medium: 665	medium: 312	medium: 886
4.6-5.0: 39	7.6-10.0: 711	optimum: 1026	optimum: 445	optimum: 523	optimum: 764	optimum: 631	optimum: 392
5.1-5.5: 210	10.1-12.5: 417	above opt: 66	above opt: 224	above opt: 627	above opt: 311	above opt: 720	above opt: 111
5.6-6.0: 625	12.5-15.0: 121						
6.1-6.5: 555	>15.0: 40						
6.5-7.0: 272							
>7.0: 137							

Lawns & Turf crops

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 181	low: 109	low: 287	low: 6	low: 86	low: 161	low: 209
4.0-4.5: 10	5.1-7.5: 261	medium: 532	medium: 297	medium: 171	medium: 329	medium: 181	medium: 389
4.6-5.0: 52	7.6-10.0: 271	optimum: 223	optimum: 106	optimum: 451	optimum: 351	optimum: 262	optimum: 196
5.1-5.5: 216	10.1-12.5: 114	above opt: 13	above opt: 187	above opt: 249	above opt: 111	above opt: 273	above opt: 83
5.6-6.0: 248	12.5-15.0: 32						
6.1-6.5: 172	>15.0: 18						
6.5-7.0: 106							
>7.0: 73							

Commercial Vegetables

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 11	low: 64	low: 14	low: 14	low: 14	low: 19	low: 45
4.0-4.5: 1	5.1-7.5: 64	medium: 88	medium: 57	medium: 52	medium: 61	medium: 32	medium: 86
4.6-5.0: 0	7.6-10.0: 70	optimum: 35	optimum: 88	optimum: 61	optimum: 117	optimum: 71	optimum: 49
5.1-5.5: 17	10.1-12.5: 35	above opt: 29	above opt: 57	above opt: 89	above opt: 24	above opt: 94	above opt: 36
5.6-6.0: 45	12.5-15.0: 24						
6.1-6.5: 81	>15.0: 12						
6.5-7.0: 56							
>7.0: 16							

Chemical Home Gardens

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 19	low: 23	low: 52	low: 62	low: 47	low: 65	low: 126
4.0-4.5: 3	5.1-7.5: 57	medium: 187	medium: 148	medium: 195	medium: 126	medium: 81	medium: 208
4.6-5.0: 10	7.6-10.0: 119	optimum: 171	optimum: 124	optimum: 149	optimum: 297	optimum: 137	optimum: 186
5.1-5.5: 47	10.1-12.5: 160	above opt: 264	above opt: 321	above opt: 239	above opt: 175	above opt: 362	above opt: 125
5.6-6.0: 101	12.5-15.0: 99						
6.1-6.5: 115	>15.0: 191						
6.5-7.0: 178							
>7.0: 191							

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Organic Gardens & Crops

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 54	low: 194	low: 243	low: 399	low: 89	low: 193	low: 347
4.0-4.5: 3	5.1-7.5: 189	medium: 872	medium: 530	medium: 970	medium: 405	medium: 255	medium: 768
4.6-5.0: 27	7.6-10.0: 523	optimum: 773	optimum: 616	optimum: 695	optimum: 1584	optimum: 540	optimum: 755
5.1-5.5: 127	10.1-12.5: 711	above opt: 1107	above opt: 1557	above opt: 882	above opt: 868	above opt: 1958	above opt: 1076
5.6-6.0: 365	12.5-15.0: 573						
6.1-6.5: 581	>15.0: 896						
6.5-7.0: 757							
>7.0: 1086							

Commercial Fruit

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 4	<5.0: 40	low: 25	low: 41	low: 3	low: 14	low: 36	low: 50
4.0-4.5: 13	5.1-7.5: 67	medium: 89	medium: 58	medium: 30	medium: 74	medium: 32	medium: 62
4.6-5.0: 19	7.6-10.0: 51	optimum: 49	optimum: 55	optimum: 49	optimum: 114	optimum: 72	optimum: 60
5.1-5.5: 34	10.1-12.5: 36	above opt: 71	above opt: 80	above opt: 152	above opt: 32	above opt: 94	above opt: 62
5.6-6.0: 50	12.5-15.0: 15						
6.1-6.5: 56	>15.0: 25						
6.5-7.0: 30							
>7.0: 28							

Commercial Potatoes/Rotation

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 4	low: 25	low: 1	low: 1	low: 6	low: 5	low: 46
4.0-4.5: 0	5.1-7.5: 65	medium: 91	medium: 33	medium: 23	medium: 21	medium: 18	medium: 36
4.6-5.0: 1	7.6-10.0: 46	optimum: 13	optimum: 66	optimum: 39	optimum: 84	optimum: 49	optimum: 43
5.1-5.5: 12	10.1-12.5: 12	above opt: 3	above opt: 32	above opt: 69	above opt: 21	above opt: 60	above opt: 7
5.6-6.0: 42	12.5-15.0: 5						
6.1-6.5: 37	>15.0: 0						
6.5-7.0: 27							
>7.0: 13							

Forestry/Christmas trees

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 0	<5.0: 14	low: 9	low: 38	low: 2	low: 14	low: 22	low: 17
4.0-4.5: 1	5.1-7.5: 26	medium: 36	medium: 16	medium: 22	medium: 31	medium: 21	medium: 30
4.6-5.0: 13	7.6-10.0: 29	optimum: 27	optimum: 6	optimum: 41	optimum: 26	optimum: 20	optimum: 15
5.1-5.5: 19	10.1-12.5: 7	above opt: 7	above opt: 19	above opt: 14	above opt: 8	above opt: 16	above opt: 17
5.6-6.0: 35	12.5-15.0: 0						
6.1-6.5: 9	>15.0: 3						
6.5-7.0: 1							
>7.0: 1							

Soil Test Sample Summary of Major Nutrients
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Ornamentals

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 1	<5.0: 39	low: 36	low: 54	low: 32	low: 27	low: 42	low: 62
4.0-4.5: 2	5.1-7.5: 66	medium: 93	medium: 111	medium: 95	medium: 103	medium: 70	medium: 145
4.6-5.0: 17	7.6-10.0: 70	optimum: 100	optimum: 75	optimum: 94	optimum: 220	optimum: 103	optimum: 126
5.1-5.5: 57	10.1-12.5: 73	above opt: 177	above opt: 166	above opt: 185	above opt: 56	above opt: 191	above opt: 73
5.6-6.0: 100	12.5-15.0: 51						
6.1-6.5: 79	>15.0: 107						
6.5-7.0: 84							
>7.0: 66							

No crop/Other

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 28	<5.0: 207	low: 217	low: 161	low: 51	low: 26	low: 168	low: 178
4.0-4.5: 38	5.1-7.5: 70	medium: 94	medium: 79	medium: 89	medium: 82	medium: 38	medium: 53
4.6-5.0: 72	7.6-10.0: 64	optimum: 42	optimum: 122	optimum: 80	optimum: 158	optimum: 126	optimum: 90
5.1-5.5: 60	10.1-12.5: 34	above opt: 91	above opt: 82	above opt: 224	above opt: 178	above opt: 112	above opt: 123
5.6-6.0: 64	12.5-15.0: 14						
6.1-6.5: 62	>15.0: 55						
6.5-7.0: 56							
>7.0: 64							

Grand Totals

soil pH	CEC(target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0: 99	<5.0: 739	low: 819	low: 1237	low: 666	low: 430	low: 944	low: 1548
4.0-4.5: 164	5.1-7.5: 1413	medium: 2721	medium: 2207	medium: 2259	medium: 2002	medium: 1138	medium: 2741
4.6-5.0: 328	7.6-10.0: 2000	optimum: 2473	optimum: 1858	optimum: 2239	optimum: 3806	optimum: 2071	optimum: 1981
5.1-5.5: 808	10.1-12.5: 1611	above opt: 2052	above opt: 2763	above opt: 2901	above opt: 1827	above opt: 3912	above opt: 1795
5.6-6.0: 1675	12.5-15.0: 945						
6.1-6.5: 1748	>15.0: 1357						
6.5-7.0: 1567							
>7.0: 1676							