

**2008 Soil Test Sample Summary
for
All Counties & Samples**

Agronomic crops

pH (in water)	CEC(at target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0:	2	<5.0: 255 low: 90	low: 306	low: 152	low: 253	low: 328	low: 72
4.0-4.5:	3	5.1-7.5: 514 medium: 677	medium: 707	medium: 730	medium: 740	medium: 274	medium: 668
4.6-5.0:	26	7.6-10.0: 454 optimum: 923	optimum: 530	optimum: 546	optimum: 717	optimum: 379	optimum: 833
5.1-5.5:	230	10.1-12.5: 252 above opt: 63	above opt: 210	above opt: 325	above opt: 43	above opt: 772	above opt: 180
5.6-6.0:	512	12.5-15.0: 156					
6.1-6.5:	489	>15.0: 122					
6.5-7.0:	306						
>7.0:	185						

Lawns & Turf crops

pH (in water)	CEC(at target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0:	1	<5.0: 359 low: 185	low: 273	low: 19	low: 120	low: 224	low: 112
4.0-4.5:	7	5.1-7.5: 320 medium: 615	medium: 389	medium: 256	medium: 302	medium: 179	medium: 515
4.6-5.0:	36	7.6-10.0: 279 optimum: 333	optimum: 179	optimum: 618	optimum: 710	optimum: 444	optimum: 395
5.1-5.5:	126	10.1-12.5: 110 above opt: 63	above opt: 355	above opt: 303	above opt: 64	above opt: 349	above opt: 174
5.6-6.0:	357	12.5-15.0: 57					
6.1-6.5:	345	>15.0: 71					
6.5-7.0:	240						
>7.0:	84						

Commercial Vegetables

pH (in water)	CEC(at target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0:	0	<5.0: 12 low: 16	low: 11	low: 8	low: 9	low: 22	low: 12
4.0-4.5:	0	5.1-7.5: 47 medium: 74	medium: 52	medium: 37	medium: 54	medium: 26	medium: 61
4.6-5.0:	2	7.6-10.0: 53 optimum: 49	optimum: 52	optimum: 54	optimum: 87	optimum: 55	optimum: 63
5.1-5.5:	14	10.1-12.5: 23 above opt: 13	above opt: 37	above opt: 53	above opt: 2	above opt: 49	above opt: 16
5.6-6.0:	32	12.5-15.0: 9					
6.1-6.5:	56	>15.0: 8					
6.5-7.0:	34						
>7.0:	14						

Chemical Home Gardens

pH (in water)	CEC(at target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0:	0	<5.0: 28 low: 38	low: 40	low: 41	low: 58	low: 88	low: 64
4.0-4.5:	1	5.1-7.5: 90 medium: 174	medium: 155	medium: 195	medium: 170	medium: 89	medium: 261
4.6-5.0:	6	7.6-10.0: 132 optimum: 216	optimum: 161	optimum: 190	optimum: 332	optimum: 169	optimum: 192
5.1-5.5:	53	10.1-12.5: 93 above opt: 146	above opt: 218	above opt: 148	above opt: 14	above opt: 228	above opt: 57
5.6-6.0:	99	12.5-15.0: 72					
6.1-6.5:	129	>15.0: 159					
6.5-7.0:	156						
>7.0:	130						

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Organic Gardens & Crops

pH (in water)	CEC(at target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0:	0	<5.0: 72 low: 88	low: 163	low: 176	low: 145	low: 231	low: 167
4.0-4.5:	0	5.1-7.5: 230 medium: 439	medium: 421	medium: 630	medium: 498	medium: 242	medium: 642
4.6-5.0:	13	7.6-10.0: 343 optimum: 544	optimum: 418	optimum: 446	optimum: 928	optimum: 514	optimum: 584
5.1-5.5:	106	10.1-12.5: 300 above opt: 545	above opt: 614	above opt: 364	above opt: 45	above opt: 629	above opt: 223
5.6-6.0:	293	12.5-15.0: 249					
6.1-6.5:	443	>15.0: 422					
6.5-7.0:	446						
>7.0:	315						

Commercial Fruit

pH (in water)	CEC(at target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0:	2	<5.0: 51 low: 16	low: 24	low: 2	low: 7	low: 39	low: 15
4.0-4.5:	8	5.1-7.5: 55 medium: 56	medium: 48	medium: 11	medium: 84	medium: 39	medium: 48
4.6-5.0:	17	7.6-10.0: 24 optimum: 54	optimum: 36	optimum: 32	optimum: 72	optimum: 44	optimum: 58
5.1-5.5:	36	10.1-12.5: 17 above opt: 46	above opt: 64	above opt: 127	above opt: 9	above opt: 50	above opt: 51
5.6-6.0:	53	12.5-15.0: 11					
6.1-6.5:	35	>15.0: 14					
6.5-7.0:	15						
>7.0:	6						

Commercial Potatoes/Rotation crops

pH (in water)	CEC(at target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0:	0	<5.0: 184 low: 299	low: 4	low: 21	low: 35	low: 251	low: 102
4.0-4.5:	5	5.1-7.5: 1006 medium: 1345	medium: 167	medium: 444	medium: 519	medium: 638	medium: 703
4.6-5.0:	64	7.6-10.0: 428 optimum: 55	optimum: 1366	optimum: 483	optimum: 1127	optimum: 642	optimum: 587
5.1-5.5:	439	10.1-12.5: 64 above opt: 0	above opt: 162	above opt: 751	above opt: 18	above opt: 168	above opt: 307
5.6-6.0:	741	12.5-15.0: 15					
6.1-6.5:	361	>15.0: 2					
6.5-7.0:	83						
>7.0:	6						

Forestry/Christmas trees

pH (in water)	CEC(at target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0:	0	<5.0: 17 low: 0	low: 21	low: 0	low: 23	low: 34	low: 1
4.0-4.5:	0	5.1-7.5: 35 medium: 23	medium: 25	medium: 8	medium: 22	medium: 16	medium: 16
4.6-5.0:	10	7.6-10.0: 15 optimum: 37	optimum: 7	optimum: 42	optimum: 24	optimum: 7	optimum: 29
5.1-5.5:	27	10.1-12.5: 2 above opt: 10	above opt: 17	above opt: 20	above opt: 1	above opt: 13	above opt: 24
5.6-6.0:	20	12.5-15.0: 1					
6.1-6.5:	11	>15.0: 0					
6.5-7.0:	1						
>7.0:	1						

**2008 Soil Test Sample Summary
for
All Counties & Samples**

Ornamentals

pH (in water)	CEC(at target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0:	0	<5.0: 30 low: 16	low: 26	low: 22	low: 28	low: 45	low: 31
4.0-4.5:	4	5.1-7.5: 44 medium: 77	medium: 71	medium: 114	medium: 89	medium: 48	medium: 147
4.6-5.0:	11	7.6-10.0: 51 optimum: 102	optimum: 72	optimum: 96	optimum: 214	optimum: 116	optimum: 95
5.1-5.5:	29	10.1-12.5: 67 above opt: 140	above opt: 166	above opt: 103	above opt: 4	above opt: 126	above opt: 62
5.6-6.0:	70	12.5-15.0: 56					
6.1-6.5:	89	>15.0: 87					
6.5-7.0:	95						
>7.0:	37						

No crop/Other

pH (in water)	CEC(at target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0:	2	<5.0: 129 low: 93	low: 5	low: 7	low: 11	low: 8	low: 8
4.0-4.5:	0	5.1-7.5: 175 medium: 240	medium: 29	medium: 23	medium: 113	medium: 51	medium: 92
4.6-5.0:	5	7.6-10.0: 34 optimum: 19	optimum: 275	optimum: 39	optimum: 239	optimum: 183	optimum: 175
5.1-5.5:	52	10.1-12.5: 10 above opt: 15	above opt: 58	above opt: 298	above opt: 4	above opt: 125	above opt: 92
5.6-6.0:	120	12.5-15.0: 6					
6.1-6.5:	117	>15.0: 13					
6.5-7.0:	29						
>7.0:	42						

Grand Totals

pH (in water)	CEC(at target pH)	Organic matter	Phosphorus	Potassium	Magnesium	Calcium	Sulfur
<4.0:	7	<5.0: 1144 low: 841	low: 875	low: 448	low: 690	low: 1277	low: 584
4.0-4.5:	30	5.1-7.5: 2520 medium: 3721	medium: 2072	medium: 2448	medium: 2597	medium: 1603	medium: 3154
4.6-5.0:	196	7.6-10.0: 1815 optimum: 2334	optimum: 3099	optimum: 2556	optimum: 4456	optimum: 2558	optimum: 3013
5.1-5.5:	1117	10.1-12.5: 938 above opt: 1051	above opt: 1901	above opt: 2495	above opt: 204	above opt: 2509	above opt: 1196
5.6-6.0:	2297	12.5-15.0: 632					
6.1-6.5:	2075	>15.0: 898					
6.5-7.0:	1405						
>7.0:	820						

2008 Boron Soil Test Sample Summary
for
All Counties & Samples

Forages & Grains

Boron

low: 593
medium: 1095
optimum: 289
above opt: 14

Commercial Vegetables

Boron

low: 43
medium: 83
optimum: 21
above opt: 5

Commercial Potatoes

Boron

low: 744
medium: 623
optimum: 92
above opt: 2

2008 Zinc Soil Test Sample Summary
for
All Counties & Samples

Field corn

Zinc

low: 11
medium: 53
optimum: 170
above opt: 47

Sweet corn

Zinc

low: 0
medium: 5
optimum: 18
above opt: 10

Commercial Potatoes

Zinc

low: 223
medium: 644
optimum: 523
above opt: 71