

Great Lakes States

2019 SOIL TEST DATA SUMMARY

Soil Test	Statistics		Percent Samples by Soil Test Rating				
	Average	Std. Dev.	Very Low	Low	Medium	High	Very High
Organic Matter,%	3.2	4.0	<small>(<1.0)</small> 1.6	<small>(1.0-2.5)</small> 42.7	<small>(2.5-5.0)</small> 48.9	<small>(5.0-7.0)</small> 4.4	<small>(7.0+)</small> 2.4
Phosphorus (P1), ppm	45	50	<small>(<10)</small> 6.1	<small>(10-20)</small> 18.2	<small>(20-30)</small> 20.3	<small>(30-50)</small> 26.5	<small>(50+)</small> 28.3
Phosphorus (P2), ppm	64	61	<small>(<14)</small> 5.0	<small>(14-29)</small> 18.3	<small>(29-44)</small> 20.7	<small>(44-74)</small> 29.0	<small>(74+)</small> 26.9
Bicarbonate P, ppm	42	48	<small>(<5)</small> 11.7	<small>(5-15)</small> 19.8	<small>(15-25)</small> 12.6	<small>(25-45)</small> 29.7	<small>(45+)</small> 26.1
Potassium (K), ppm	140	64					
K, % Base Saturation	3.7	1.9	<small>(<0.92)</small> 1.5	<small>(0.92-1.81)</small> 7.3	<small>(1.82-3.62)</small> 54.8	<small>(3.63-5.43)</small> 29.5	<small>(5.43+)</small> 8.0
Magnesium (Mg), ppm	277	169					
Mg, % Base Saturation	20.3	6.9	<small>(<5)</small> 0.6	<small>(5-10)</small> 4.9	<small>(10-15)</small> 16.9	<small>(15-25)</small> 52.0	<small>(25+)</small> 25.6
Calcium (Ca), ppm	1418	909					
Ca, % Base Saturation	63.8	11.3	<small>(<45)</small> 4.6	<small>(45-55)</small> 16.3	<small>(55-75)</small> 63.6	<small>(75-85)</small> 12.9	<small>(85+)</small> 2.5
pH (1:1)	6.6	0.6	<small>(<5.1)</small> 0.8	<small>(5.1-5.8)</small> 10.4	<small>(5.9-6.9)</small> 63.7	<small>(7.0-7.5)</small> 19.8	<small>(>7.5)</small> 5.3
CEC, meq/100g	11.0	5.5	<small>(<3.1)</small> 1.3	<small>(3.1-8.0)</small> 29.8	<small>(8.1-15.0)</small> 50.8	<small>(15.1-25.0)</small> 16.6	<small>(>25.0)</small> 1.5
Sulfur (S), ppm	8	13.2	<small>(<4)</small> 2.8	<small>(4-7)</small> 53.9	<small>(8-12)</small> 36.5	<small>(13-17)</small> 4.0	<small>(>17)</small> 2.8
Zinc (Zn), ppm	3.8	3.7	<small>(<1.0)</small> 50.3	<small>(1.1-2.9)</small> 30.4	<small>(3.0-4.9)</small> 16.0	<small>(5.0-10.0)</small> 3.3	<small>(>10.0)</small>
Manganese (Mn), ppm	40	18	<small>(<6)</small> 2.0	<small>(6-14)</small> 6.6	<small>(15-19)</small> 11.6	<small>(20-49)</small> 53.8	<small>(>49)</small> 26.0
Iron (Fe), ppm	43	27		<small>(<5)</small> 0.9	<small>(5-9)</small> 1.3	<small>(10-50)</small> 70.4	<small>(>50)</small> 27.5
Copper (Cu), ppm	1.6	1.2		<small>(<0.4)</small> 0.5	<small>(0.4-1.1)</small> 38.2	<small>(1.2-3.0)</small> 54.3	<small>(>3.0)</small> 7.1
Boron (B), ppm	0.5	0.4	<small>(<0.4)</small> 41.2	<small>(0.4-0.5)</small> 24.7	<small>(0.6-1.2)</small> 29.4	<small>(1.3-2.5)</small> 4.5	<small>(>2.5)</small> 0.2
Nitrate (NO ₃ -N), ppm	48.1	54.2	<small>(<5)</small> 4.4	<small>(5-9)</small> 13.5	<small>(10-19)</small> 21.4	<small>(20-39)</small> 25.9	<small>(>39)</small> 34.8
Ammonium (NH ₄ -N), ppm	20.2	33.2	<small>(<5)</small> 32.6	<small>(5-9)</small> 31.9	<small>(10-19)</small> 10.0	<small>(20-39)</small> 4.7	<small>(>39)</small> 20.7