



Great Lakes Region

2018 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, %	3.3	4.4	<small><1.0</small> 1.2	<small>(1.0-2.5)</small> 42.9	<small>(2.5-5.0)</small> 49.1	<small>(5.0-7.0)</small> 4.4	<small>(7.0+)</small> 2.5
Phosphorus (P1), ppm	45	46	<small><10</small> 5.8	<small>(10-20)</small> 17.7	<small>(20-30)</small> 20.2	<small>(30-50)</small> 26.5	<small>(50+)</small> 29.0
Phosphorus (P2), ppm	70	68	<small><14</small> 5.2	<small>(14-29)</small> 16.7	<small>(29-44)</small> 17.5	<small>(44-74)</small> 26.9	<small>(74+)</small> 33.8
Bicarbonate P, ppm	29	29	<small><5</small> 13.1	<small>(5-15)</small> 32.3	<small>(15-25)</small> 16.2	<small>(25-45)</small> 16.2	<small>(45+)</small> 22.2
Potassium (K), ppm	144	68					
K, % Base Saturation	3.8	2.0	<small><0.91</small> 1.4	<small>(0.91-1.80)</small> 6.8	<small>(1.81-3.60)</small> 52.4	<small>(3.61-5.40)</small> 31.3	<small>(5.40+)</small> 9.1
Magnesium (Mg), ppm	276	165					
Mg, % Base Saturation	20.2	6.8	<small><5</small> 0.4	<small>(5-10)</small> 4.7	<small>(10-15)</small> 17.5	<small>(15-25)</small> 52.6	<small>(25+)</small> 24.8
Calcium (Ca), ppm	1438	924					
Ca, % Base Saturation	63.9	11.3	<small><45</small> 4.8	<small>(45-55)</small> 16.3	<small>(55-75)</small> 62.9	<small>(75-85)</small> 13.4	<small>(85+)</small> 2.6
pH (1:1)	6.6	0.6	<small><5.1</small> 0.6	<small>(5.1-5.8)</small> 10.3	<small>(5.9-6.9)</small> 63.5	<small>(7.0-7.5)</small> 20.0	<small>(7.5+)</small> 5.6
CEC, meq/100g	11.1	5.6	<small><3.1</small> 1.3	<small>(3.1-8.0)</small> 29.4	<small>(8.1-15.0)</small> 50.4	<small>(15.1-25.0)</small> 17.2	<small>(25.0+)</small> 1.7
Sulfur (S), ppm	9	17.2	<small><4</small> 1.0	<small>(4-7)</small> 46.5	<small>(8-12)</small> 43.7	<small>(13-17)</small> 5.5	<small>(17+)</small> 3.2
Zinc (Zn), ppm	4.0	4.3	<small><1.0</small>	<small>(1.1-2.9)</small> 49.8	<small>(3.0-4.9)</small> 29.3	<small>(5.0-10.0)</small> 16.6	<small>(10.0+)</small> 4.2
Manganese (Mn), ppm	39	18	<small><5</small> 2.0	<small>(6-14)</small> 7.3	<small>(15-19)</small> 12.8	<small>(20-49)</small> 54.5	<small>(49+)</small> 23.3
Iron (Fe), ppm	43	26		<small><5</small> 0.7	<small>(5-9)</small> 1.0	<small>(10-50)</small> 70.8	<small>(50+)</small> 27.5
Copper (Cu), ppm	1.8	1.5		<small><0.4</small> 0.3	<small>(0.4-1.1)</small> 35.7	<small>(1.2-3.0)</small> 54.0	<small>(3.0+)</small> 10.0
Boron (B), ppm	0.6	0.9	<small><0.4</small> 38.5	<small>(0.4-0.5)</small> 24.9	<small>(0.6-1.2)</small> 30.7	<small>(1.3-2.5)</small> 5.3	<small>(2.5+)</small> 0.5
Nitrate (NO ₃ -N), ppm	37.5	63.1	<small><5</small> 12.2	<small>(5-9)</small> 17.6	<small>(10-19)</small> 22.8	<small>(20-39)</small> 25.2	<small>(39+)</small> 22.2
Ammonium (NH ₄ -N), ppm	14.4	47.8	<small><5</small> 43.1	<small>(5-9)</small> 36.0	<small>(10-19)</small> 8.4	<small>(20-39)</small> 3.7	<small>(39+)</small> 8.8