

Northwest Michigan

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, %	2.9	5.2	<small>(<1.0)</small> 1.8	<small>(1.0-2.5)</small> 63.7	<small>(2.5-5.0)</small> 31.1	<small>(5.0-7.0)</small> 1.3	<small>(7.0+)</small> 2.0
Phosphorus (P1), ppm	61	55	<small>(<10)</small> 3.5	<small>(10-20)</small> 12.3	<small>(20-30)</small> 14.3	<small>(30-50)</small> 24.6	<small>(50+)</small> 45.3
Phosphorus (P2), ppm	81	70	<small>(<14)</small> 4.8	<small>(14-29)</small> 15.1	<small>(29-44)</small> 14.8	<small>(44-74)</small> 23.2	<small>(74+)</small> 42.1
Bicarbonate P, ppm	45	44	<small>(<5)</small>	<small>(5-15)</small> 40.0	<small>(15-25)</small> 20.0	<small>(25-45)</small>	<small>(45+)</small> 40.0
Potassium (K), ppm	121	66					
K, % Base Saturation	4.6	2.4	<small>(<1.22)</small> 2.2	<small>(1.22-2.42)</small> 13.6	<small>(2.43-4.84)</small> 54.8	<small>(4.85-7.26)</small> 22.6	<small>(>7.26)</small> 7.2
Magnesium (Mg), ppm	172	109					
Mg, % Base Saturation	18.5	5.9	<small>(<5)</small> 0.6	<small>(5-10)</small> 6.1	<small>(10-15)</small> 23.3	<small>(15-25)</small> 56.3	<small>(25+)</small> 13.8
Calcium (Ca), ppm	1046	811					
Ca, % Base Saturation	65.1	12.0	<small>(<45)</small> 6.1	<small>(45-55)</small> 14.1	<small>(55-75)</small> 59.0	<small>(75-85)</small> 18.5	<small>(85+)</small> 2.3
pH (1:1)	6.6	0.6	<small>(<5.1)</small> 0.6	<small>(5.1-5.8)</small> 10.2	<small>(5.9-6.0)</small> 56.5	<small>(7.0-7.5)</small> 26.7	<small>(>7.5)</small> 6.0
CEC, meq/100g	7.7	4.7	<small>(<3.1)</small> 4.1	<small>(3.1-8.0)</small> 59.2	<small>(8.1-15.0)</small> 32.0	<small>(15.1-25.0)</small> 3.6	<small>(>25.0)</small> 1.0
Sulfur (S), ppm	10	15.4	<small>(<4)</small> 0.6	<small>(4-7)</small> 36.7	<small>(8-12)</small> 50.8	<small>(13-17)</small> 8.8	<small>(>17)</small> 3.0
Zinc (Zn), ppm	4.3	4.6	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 38.8	<small>(3.0-4.9)</small> 36.9	<small>(5.0-10.0)</small> 19.6	<small>(>10.0)</small> 4.6
Manganese (Mn), ppm	33	13	<small>(<6)</small> 2.1	<small>(6-14)</small> 9.0	<small>(15-19)</small> 15.9	<small>(20-49)</small> 65.4	<small>(>49)</small> 7.6
Iron (Fe), ppm	42	20		<small>(<5)</small> 0.5	<small>(5-9)</small> 0.6	<small>(10-50)</small> 73.2	<small>(>50)</small> 25.7
Copper (Cu), ppm	1.8	2.1		<small>(<0.4)</small> 1.1	<small>(0.4-1.1)</small> 44.1	<small>(1.2-3.0)</small> 42.6	<small>(>3.0)</small> 12.2
Boron (B), ppm	0.5	0.4	<small>(<0.4)</small> 49.5	<small>(0.4-0.5)</small> 22.9	<small>(0.6-1.2)</small> 23.2	<small>(1.3-2.5)</small> 4.0	<small>(>2.5)</small> 0.4
Nitrate (NO ₃ -N), ppm	18.0	23.4	<small>(<5)</small> 34.6	<small>(5-9)</small> 18.6	<small>(10-19)</small> 15.9	<small>(20-39)</small> 14.9	<small>(>39)</small> 15.9
Ammonium (NH ₄ -N), ppm	3.5	1.7	<small>(<5)</small> 67.9	<small>(5-9)</small> 30.4	<small>(10-19)</small> 1.8	<small>(20-39)</small>	<small>(>39)</small>