

Northwest Michigan

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,%	2.8	4.4	<small>(<1.0)</small> 2.2	<small>(1.0-2.5)</small> 63.2	<small>(2.5-5.0)</small> 31.0	<small>(5.0-7.0)</small> 1.5	<small>(7.0+)</small> 2.1
Phosphorus (P1), ppm	57	53	<small>(<10)</small> 3.4	<small>(10-20)</small> 13.8	<small>(20-30)</small> 16.3	<small>(30-50)</small> 25.0	<small>(50+)</small> 41.5
Phosphorus (P2), ppm	88	84	<small>(<14)</small> 2.2	<small>(14-29)</small> 10.7	<small>(29-44)</small> 15.0	<small>(44-74)</small> 29.2	<small>(74+)</small> 42.8
Bicarbonate P, ppm	61	54	<small>(<5)</small> 2.9	<small>(5-15)</small> 11.8	<small>(15-25)</small> 11.8	<small>(25-45)</small> 38.2	<small>(45+)</small> 35.3
Potassium (K), ppm	120	64					
K, % Base Saturation	4.5	2.3	<small>(<1.20)</small> 1.9	<small>(1.20-2.37)</small> 13.2	<small>(2.38-4.74)</small> 56.6	<small>(4.75-7.11)</small> 22.3	<small>(>7.11)</small> 6.5
Magnesium (Mg), ppm	178	111					
Mg, % Base Saturation	18.4	5.7	<small>(<5)</small> 0.4	<small>(5-10)</small> 6.0	<small>(10-15)</small> 22.6	<small>(15-25)</small> 58.7	<small>(25+)</small> 12.2
Calcium (Ca), ppm	1087	788					
Ca, % Base Saturation	66.4	11.4	<small>(<45)</small> 4.2	<small>(45-55)</small> 12.5	<small>(55-75)</small> 59.5	<small>(75-85)</small> 21.5	<small>(85+)</small> 2.3
pH (1:1)	6.7	0.6	<small>(<5.1)</small> 0.5	<small>(5.1-5.8)</small> 8.8	<small>(5.9-6.9)</small> 54.5	<small>(7.0-7.5)</small> 28.6	<small>(>7.5)</small> 7.7
CEC, meq/100g	7.9	4.5	<small>(<3.1)</small> 3.5	<small>(3.1-8.0)</small> 57.2	<small>(8.1-15.0)</small> 34.3	<small>(15.1-25.0)</small> 4.0	<small>(>25.0)</small> 0.9
Sulfur (S), ppm	9	17.3	<small>(<4)</small> 1.8	<small>(4-7)</small> 47.8	<small>(8-12)</small> 41.5	<small>(13-17)</small> 6.1	<small>(>17)</small> 2.8
Zinc (Zn), ppm	4.4	4.5	<small>(<1.0)</small> 40.8	<small>(1.1-2.9)</small> 40.8	<small>(3.0-4.9)</small> 33.2	<small>(5.0-10.0)</small> 21.1	<small>(>10.0)</small> 4.9
Manganese (Mn), ppm	35	13	<small>(<6)</small> 1.6	<small>(6-14)</small> 7.2	<small>(15-19)</small> 13.6	<small>(20-49)</small> 67.1	<small>(>49)</small> 10.6
Iron (Fe), ppm	45	22		<small>(<5)</small> 0.3	<small>(5-9)</small> 0.7	<small>(10-50)</small> 68.0	<small>(>50)</small> 31.0
Copper (Cu), ppm	1.9	2.0		<small>(<0.4)</small> 1.4	<small>(0.4-1.1)</small> 44.0	<small>(1.2-3.0)</small> 40.9	<small>(>3.0)</small> 13.7
Boron (B), ppm	0.5	0.4	<small>(<0.4)</small> 46.6	<small>(0.4-0.5)</small> 20.8	<small>(0.6-1.2)</small> 26.2	<small>(1.3-2.5)</small> 6.1	<small>(>2.5)</small> 0.4
Nitrate (NO ₃ -N), ppm	16.5	33.8	<small>(<5)</small> 25.3	<small>(5-9)</small> 20.4	<small>(10-19)</small> 28.4	<small>(20-39)</small> 17.9	<small>(>39)</small> 8.0
Ammonium (NH ₄ -N), ppm	24.8	124.3	<small>(<5)</small> 70.2	<small>(5-9)</small> 23.4	<small>(10-19)</small>	<small>(20-39)</small>	<small>(>39)</small> 6.4