



Northwest Michigan

2021 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,%	2.7	3.5	<small>(<1.0)</small> 1.7	<small>(1.0-2.5)</small> 61.4	<small>(2.5-5.0)</small> 33.8	<small>(5.0-7.0)</small> 1.5	<small>(7.0+)</small> 1.6
Phosphorus (P1), ppm	61	57	<small>(<10)</small> 3.2	<small>(10-20)</small> 11.8	<small>(20-30)</small> 15.0	<small>(30-50)</small> 26.0	<small>(50+)</small> 44.0
Phosphorus (P2), ppm	70	67	<small>(<14)</small> 5.8	<small>(14-29)</small> 15.3	<small>(29-44)</small> 16.6	<small>(44-74)</small> 31.3	<small>(74+)</small> 31.0
Bicarbonate P, ppm	25	18	<small>(<5)</small>	<small>(5-15)</small> 46.2	<small>(15-25)</small> 15.4	<small>(25-45)</small> 30.8	<small>(45+)</small> 7.7
Potassium (K), ppm	124	69					
K, % Base Saturation	4.6	2.3	<small>(<1.21)</small> 1.4	<small>(1.21-2.39)</small> 12.5	<small>(2.40-4.79)</small> 54.3	<small>(4.80-7.18)</small> 23.8	<small>(>7.18)</small> 8.0
Magnesium (Mg), ppm	171	106					
Mg, % Base Saturation	17.9	5.5	<small>(<5)</small> 0.7	<small>(5-10)</small> 6.4	<small>(10-15)</small> 24.4	<small>(15-25)</small> 59.1	<small>(25+)</small> 9.5
Calcium (Ca), ppm	1057	734					
Ca, % Base Saturation	65.6	11.5	<small>(<45)</small> 4.2	<small>(45-55)</small> 14.0	<small>(55-75)</small> 60.3	<small>(75-85)</small> 19.6	<small>(85+)</small> 1.9
pH (1:1)	6.6	0.7	<small>(<5.1)</small> 1.0	<small>(5.1-5.8)</small> 11.0	<small>(5.9-6.9)</small> 53.8	<small>(7.0-7.5)</small> 26.5	<small>(>7.5)</small> 7.7
CEC, meq/100g	7.8	4.3	<small>(<3.1)</small> 2.3	<small>(3.1-8.0)</small> 59.2	<small>(8.1-15.0)</small> 34.4	<small>(15.1-25.0)</small> 3.4	<small>(>25.0)</small> 0.7
Sulfur (S), ppm	10	28.3	<small>(<4)</small> 1.8	<small>(4-7)</small> 37.3	<small>(8-12)</small> 47.9	<small>(13-17)</small> 8.5	<small>(>17)</small> 4.4
Zinc (Zn), ppm	4.7	4.0	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 35.1	<small>(3.0-4.9)</small> 35.0	<small>(5.0-10.0)</small> 23.7	<small>(>10.0)</small> 6.2
Manganese (Mn), ppm	34	13	<small>(<6)</small> 1.8	<small>(6-14)</small> 8.3	<small>(15-19)</small> 15.1	<small>(20-49)</small> 66.8	<small>(>49)</small> 8.0
Iron (Fe), ppm	43	21		<small>(<5)</small> 0.5	<small>(5-9)</small> 0.6	<small>(10-50)</small> 71.9	<small>(>50)</small> 27.0
Copper (Cu), ppm	2.1	2.1		<small>(<0.4)</small> 1.3	<small>(0.4-1.1)</small> 40.2	<small>(1.2-3.0)</small> 40.2	<small>(>3.0)</small> 18.3
Boron (B), ppm	0.5	0.4	<small>(<0.4)</small> 39.2	<small>(0.4-0.5)</small> 25.6	<small>(0.6-1.2)</small> 30.5	<small>(1.3-2.5)</small> 4.3	<small>(>2.5)</small> 0.4
Nitrate (NO3-N), ppm	10.6	12.1	<small>(<5)</small> 31.3	<small>(5-9)</small> 38.9	<small>(10-19)</small> 14.5	<small>(20-39)</small> 9.9	<small>(>39)</small> 5.3
Ammonium (NH4-N), ppm	12.8	24.4	<small>(<5)</small> 25.0	<small>(5-9)</small> 62.5	<small>(10-19)</small>	<small>(20-39)</small>	<small>(>39)</small> 12.5