

Northern Michigan

2020 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	6.9	<small><1.0</small> 2.4	<small>1.0-2.5</small> 61.3	<small>2.5-5.0</small> 31.8	<small>5.0-7.0</small> 1.5	<small>7.0+</small> 3.0
Phosphorus (P1), ppm	55	51	<small><10</small> 3.5	<small>10-20</small> 13.2	<small>20-30</small> 16.6	<small>30-50</small> 26.7	<small>50+</small> 40.0
Phosphorus (P2), ppm	76	63	<small><14</small> 3.9	<small>14-29</small> 12.2	<small>29-44</small> 15.1	<small>44-74</small> 28.3	<small>74+</small> 40.5
Bicarbonate P, ppm	57	40	<small><5</small>	<small>5-15</small> 6.7	<small>15-25</small> 13.3	<small>25-45</small> 20.0	<small>45+</small> 60.0
Potassium (K), ppm	123	62					
K, % Base Saturation	4.1	2.1	<small><1.09</small> 1.6	<small>1.09-2.16</small> 12.6	<small>2.17-4.31</small> 55.5	<small>4.32-6.47</small> 24.7	<small>>6.47</small> 5.9
Magnesium (Mg), ppm	192	118					
Mg, % Base Saturation	18.3	5.6	<small><5</small> 0.7	<small>5-10</small> 6.3	<small>10-15</small> 21.7	<small>15-25</small> 60.6	<small>25+</small> 10.7
Calcium (Ca), ppm	1248	993					
Ca, % Base Saturation	67.5	11.7	<small><45</small> 3.8	<small>45-55</small> 11.4	<small>55-75</small> 56.2	<small>75-85</small> 24.8	<small>85+</small> 3.8
pH (1:1)	6.8	0.7	<small><5.1</small> 0.7	<small>5.1-5.8</small> 8.9	<small>5.9-6.9</small> 49.5	<small>7.0-7.5</small> 26.8	<small>>7.5</small> 14.2
CEC, meq/100g	8.8	5.6	<small><3.1</small> 2.4	<small>3.1-8.0</small> 50.4	<small>8.1-15.0</small> 39.2	<small>15.1-25.0</small> 5.8	<small>>25.0</small> 2.1
Sulfur (S), ppm	10	16.7	<small><4</small> 1.5	<small>4-7</small> 41.8	<small>8-12</small> 43.3	<small>13-17</small> 7.3	<small>>17</small> 6.1
Zinc (Zn), ppm	4.7	3.8	<small><1.0</small>	<small>1.1-2.9</small> 33.4	<small>3.0-4.9</small> 34.8	<small>5.0-10.0</small> 26.3	<small>>10.0</small> 5.5
Manganese (Mn), ppm	33	13	<small><6</small> 2.5	<small>6-14</small> 9.1	<small>15-19</small> 15.9	<small>20-49</small> 66.4	<small>>49</small> 6.1
Iron (Fe), ppm	46	25		<small><5</small> 0.4	<small>5-9</small> 0.6	<small>10-50</small> 67.5	<small>>50</small> 31.5
Copper (Cu), ppm	1.8	2.0		<small><0.4</small> 0.8	<small>0.4-1.1</small> 40.9	<small>1.2-3.0</small> 45.9	<small>>3.0</small> 12.4
Boron (B), ppm	0.7	0.6	<small><0.4</small> 33.1	<small>0.4-0.5</small> 21.3	<small>0.6-1.2</small> 35.2	<small>1.3-2.5</small> 9.2	<small>>2.5</small> 1.2
Nitrate (NO ₃ -N), ppm	18.1	23.7	<small><5</small> 21.9	<small>5-9</small> 14.1	<small>10-19</small> 28.0	<small>20-39</small> 27.5	<small>>39</small> 8.5
Ammonium (NH ₄ -N), ppm	3.6	4.7	<small><5</small> 68.1	<small>5-9</small> 26.9	<small>10-19</small> 1.7	<small>20-39</small> 2.5	<small>>39</small> 0.8