

# Northern 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,%	3.3	6.8	<small>&lt;1.0</small> 1.6	<small>1.0-2.5</small> 58.3	<small>2.5-5.0</small> 35.5	<small>5.0-7.0</small> 1.7	<small>7.0+</small> 2.8
Phosphorus (P1), ppm	56	47	<small>&lt;10</small> 3.1	<small>10-20</small> 11.7	<small>20-30</small> 15.1	<small>30-50</small> 27.4	<small>50+</small> 42.8
Phosphorus (P2), ppm	93	59	<small>&lt;14</small> 1.8	<small>14-29</small> 6.1	<small>29-44</small> 8.1	<small>44-74</small> 25.2	<small>74+</small> 58.7
Bicarbonate P, ppm	45	44	<small>&lt;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	138	68					
K, % Base Saturation	4.2	2.1	<small>&lt;1.02</small> 1.4	<small>1.02-2.02</small> 9.4	<small>2.03-4.04</small> 48.9	<small>4.05-6.05</small> 31.0	<small>&gt;6.05</small> 9.5
Magnesium (Mg), ppm	205	116					
Mg, % Base Saturation	18.3	5.5	<small>&lt;5</small> 0.5	<small>5-10</small> 6.1	<small>10-15</small> 21.7	<small>15-25</small> 61.2	<small>25+</small> 10.4
Calcium (Ca), ppm	1388	1075					
Ca, % Base Saturation	69.3	11.5	<small>&lt;45</small> 3.4	<small>45-55</small> 8.7	<small>55-75</small> 53.1	<small>75-85</small> 29.7	<small>85+</small> 5.1
pH (1:1)	6.9	0.7	<small>&lt;5.1</small> 0.4	<small>5.1-5.8</small> 6.5	<small>5.9-6.0</small> 44.4	<small>7.0-7.5</small> 29.8	<small>&gt;7.5</small> 19.0
CEC, meq/100g	9.6	5.9	<small>&lt;3.1</small> 2.3	<small>3.1-8.0</small> 42.5	<small>8.1-15.0</small> 44.6	<small>15.1-25.0</small> 8.5	<small>&gt;25.0</small> 2.1
Sulfur (S), ppm	11	17.0	<small>&lt;4</small> 0.5	<small>4-7</small> 30.8	<small>8-12</small> 51.3	<small>13-17</small> 10.1	<small>&gt;17</small> 7.2
Zinc (Zn), ppm	5.3	4.0	<small>&lt;1.0</small>	<small>1.1-2.9</small> 25.2	<small>3.0-4.9</small> 32.9	<small>5.0-10.0</small> 34.5	<small>&gt;10.0</small> 7.3
Manganese (Mn), ppm	33	12	<small>&lt;6</small> 2.0	<small>6-14</small> 8.3	<small>15-19</small> 16.8	<small>20-49</small> 67.5	<small>&gt;49</small> 5.3
Iron (Fe), ppm	41	23		<small>&lt;5</small> 0.5	<small>5-9</small> 0.7	<small>10-50</small> 76.6	<small>&gt;50</small> 22.3
Copper (Cu), ppm	2.0	1.9		<small>&lt;0.4</small> 0.6	<small>0.4-1.1</small> 34.1	<small>1.2-3.0</small> 51.8	<small>&gt;3.0</small> 13.4
Boron (B), ppm	0.8	0.6	<small>&lt;0.4</small> 26.5	<small>0.4-0.5</small> 17.7	<small>0.6-1.2</small> 40.6	<small>1.3-2.5</small> 13.6	<small>&gt;2.5</small> 1.5
Nitrate (NO <sub>3</sub> -N), ppm	22.4	27.1	<small>&lt;5</small> 27.3	<small>5-9</small> 15.5	<small>10-19</small> 17.8	<small>20-39</small> 19.1	<small>&gt;39</small> 20.4
Ammonium (NH <sub>4</sub> -N), ppm	5.9	11.9	<small>&lt;5</small> 68.2	<small>5-9</small> 25.9	<small>10-19</small> 1.2	<small>20-39</small>	<small>&gt;39</small> 4.7