

# Northern Michigan

## 2017 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,%	3.0	4.6	<small>&lt;1.0</small> 1.1	<small>1.0-2.5</small> 56.8	<small>2.5-5.0</small> 37.9	<small>5.0-7.0</small> 1.9	<small>7.0+</small> 2.2
Phosphorus (P1), ppm	52	45	<small>&lt;10</small> 3.8	<small>10-20</small> 12.8	<small>20-30</small> 16.0	<small>30-50</small> 28.0	<small>50+</small> 39.4
Phosphorus (P2), ppm	82	72	<small>&lt;14</small> 2.7	<small>14-29</small> 12.3	<small>29-44</small> 15.8	<small>44-74</small> 27.8	<small>74+</small> 41.3
Bicarbonate P, ppm	15	46	<small>&lt;5</small> 42.5	<small>5-15</small> 45.0	<small>15-25</small> 7.5	<small>25-45</small> 2.5	<small>45+</small> 2.5
Potassium (K), ppm	137	72					
K, % Base Saturation	4.3	2.2	<small>&lt;1.02</small> 1.4	<small>1.02-2.03</small> 9.7	<small>2.04-4.05</small> 49.0	<small>4.06-6.08</small> 31.0	<small>&gt;6.08</small> 9.1
Magnesium (Mg), ppm	205	112					
Mg, % Base Saturation	18.5	5.6	<small>&lt;5</small> 0.6	<small>5-10</small> 6.0	<small>10-15</small> 20.5	<small>15-25</small> 61.7	<small>25+</small> 11.2
Calcium (Ca), ppm	1388	1221					
Ca, % Base Saturation	69.4	11.6	<small>&lt;45</small> 3.5	<small>45-55</small> 8.3	<small>55-75</small> 53.7	<small>75-85</small> 29.1	<small>85+</small> 5.3
pH (1:1)	6.9	0.7	<small>&lt;5.1</small> 0.5	<small>5.1-5.8</small> 6.5	<small>5.9-6.0</small> 42.7	<small>7.0-7.5</small> 30.2	<small>&gt;7.5</small> 20.0
CEC, meq/100g	9.5	6.3	<small>&lt;3.1</small> 2.5	<small>3.1-8.0</small> 42.0	<small>8.1-15.0</small> 45.7	<small>15.1-25.0</small> 8.2	<small>&gt;25.0</small> 1.6
Sulfur (S), ppm	9	14.9	<small>&lt;4</small> 0.6	<small>4-7</small> 43.5	<small>8-12</small> 45.1	<small>13-17</small> 6.6	<small>&gt;17</small> 4.0
Zinc (Zn), ppm	4.8	3.8	<small>&lt;1.0</small> 31.4	<small>1.1-2.9</small> 31.4	<small>3.0-4.9</small> 33.4	<small>5.0-10.0</small> 29.5	<small>&gt;10.0</small> 5.5
Manganese (Mn), ppm	33	12	<small>&lt;6</small> 2.1	<small>6-14</small> 7.8	<small>15-19</small> 17.9	<small>20-49</small> 66.1	<small>&gt;49</small> 5.8
Iron (Fe), ppm	39	23		<small>&lt;5</small> 1.0	<small>5-9</small> 1.0	<small>10-50</small> 77.1	<small>&gt;50</small> 20.8
Copper (Cu), ppm	1.8	1.8		<small>&lt;0.4</small> 0.5	<small>0.4-1.1</small> 40.5	<small>1.2-3.0</small> 49.1	<small>&gt;3.0</small> 9.8
Boron (B), ppm	0.7	0.5	<small>&lt;0.4</small> 31.8	<small>0.4-0.5</small> 19.6	<small>0.6-1.2</small> 38.2	<small>1.3-2.5</small> 9.7	<small>&gt;2.5</small> 0.5
Nitrate (NO <sub>3</sub> -N), ppm	20.5	28.8	<small>&lt;5</small> 27.1	<small>5-9</small> 15.1	<small>10-19</small> 19.5	<small>20-39</small> 23.9	<small>&gt;39</small> 14.3
Ammonium (NH <sub>4</sub> -N), ppm	9.9	64.5	<small>&lt;5</small> 86.2	<small>5-9</small> 9.4	<small>10-19</small> 0.7	<small>20-39</small> 1.4	<small>&gt;39</small> 2.2