

Northern Michigan

2016 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	3.9	<small><1.0</small> 0.9	<small>1.0-2.5</small> 54.9	<small>2.5-5.0</small> 39.4	<small>5.0-7.0</small> 2.3	<small>7.0+</small> 2.5
Phosphorus (P1), ppm	51	48	<small><10</small> 4.3	<small>10-20</small> 13.6	<small>20-30</small> 16.3	<small>30-50</small> 28.1	<small>50+</small> 37.8
Phosphorus (P2), ppm	95	111	<small><14</small> 3.3	<small>14-29</small> 12.6	<small>29-44</small> 18.2	<small>44-74</small> 21.9	<small>74+</small> 44.0
Bicarbonate P, ppm	84	110	<small><5</small> 10.0	<small>5-15</small> 40.0	<small>15-25</small>	<small>25-45</small> 10.0	<small>45+</small> 40.0
Potassium (K), ppm	138	68					
K, % Base Saturation	4.1	2.1	<small><1.00</small> 1.6	<small>1.00-1.98</small> 9.6	<small>1.99-3.95</small> 49.0	<small>3.96-5.93</small> 31.4	<small>5.93+</small> 8.9
Magnesium (Mg), ppm	214	117					
Mg, % Base Saturation	18.4	5.4	<small><5</small> 0.5	<small>5-10</small> 5.9	<small>10-15</small> 20.1	<small>15-25</small> 63.1	<small>25+</small> 10.3
Calcium (Ca), ppm	1438	1020					
Ca, % Base Saturation	70.2	11.3	<small><45</small> 3.0	<small>45-55</small> 7.7	<small>55-75</small> 51.3	<small>75-85</small> 32.4	<small>85+</small> 5.7
pH (1:1)	7.0	0.7	<small><5.1</small> 0.4	<small>5.1-5.8</small> 6.0	<small>5.9-6.0</small> 39.5	<small>7.0-7.5</small> 31.3	<small>>7.5</small> 22.7
CEC, meq/100g	9.8	5.6	<small><3.1</small> 2.0	<small>3.1-8.0</small> 39.8	<small>8.1-15.0</small> 46.6	<small>15.1-25.0</small> 9.8	<small>>25.0</small> 1.8
Sulfur (S), ppm	10	31.5	<small><4</small> 1.2	<small>4-7</small> 43.3	<small>8-12</small> 43.7	<small>13-17</small> 7.0	<small>>17</small> 4.7
Zinc (Zn), ppm	4.7	3.9	<small><1.0</small>	<small>1.1-2.9</small> 33.9	<small>3.0-4.9</small> 34.2	<small>5.0-10.0</small> 26.7	<small>>10.0</small> 5.2
Manganese (Mn), ppm	32	12	<small><6</small> 2.2	<small>6-14</small> 8.4	<small>15-19</small> 19.0	<small>20-49</small> 64.5	<small>>49</small> 5.9
Iron (Fe), ppm	37	21		<small><5</small> 0.4	<small>5-9</small> 0.9	<small>10-50</small> 80.4	<small>>50</small> 18.3
Copper (Cu), ppm	1.7	1.6		<small><0.4</small> 0.4	<small>0.4-1.1</small> 40.3	<small>1.2-3.0</small> 49.2	<small>>3.0</small> 10.2
Boron (B), ppm	0.6	1.1	<small><0.4</small> 39.9	<small>0.4-0.5</small> 18.9	<small>0.6-1.2</small> 33.9	<small>1.3-2.5</small> 7.0	<small>>2.5</small> 0.3
Nitrate (NO ₃ -N), ppm	30.3	28.5	<small><5</small> 15.6	<small>5-9</small> 14.5	<small>10-19</small> 12.6	<small>20-39</small> 25.9	<small>>39</small> 31.3
Ammonium (NH ₄ -N), ppm	3.8	9.1	<small><5</small> 85.3	<small>5-9</small> 12.9	<small>10-19</small> 0.7	<small>20-39</small> 0.3	<small>>39</small> 0.7