

Northern Michigan

2019 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	3.9	<small><1.0</small> 3.0	<small>1.0-2.5</small> 61.0	<small>2.5-5.0</small> 32.2	<small>5.0-7.0</small> 1.7	<small>7.0+</small> 2.1
Phosphorus (P1), ppm	53	54	<small><10</small> 3.6	<small>10-20</small> 13.2	<small>20-30</small> 16.0	<small>30-50</small> 27.3	<small>50+</small> 39.9
Phosphorus (P2), ppm	87	72	<small><14</small> 1.7	<small>14-29</small> 8.6	<small>29-44</small> 14.4	<small>44-74</small> 29.0	<small>74+</small> 46.2
Bicarbonate P, ppm	56	53	<small><5</small> 7.9	<small>5-15</small> 13.2	<small>15-25</small> 10.5	<small>25-45</small> 36.8	<small>45+</small> 31.6
Potassium (K), ppm	130	63					
K, % Base Saturation	4.3	2.1	<small><1.09</small> 1.2	<small>1.09-2.15</small> 10.9	<small>2.16-4.31</small> 53.1	<small>4.32-6.46</small> 27.4	<small>>6.46</small> 7.7
Magnesium (Mg), ppm	195	115					
Mg, % Base Saturation	18.4	5.5	<small><5</small> 0.4	<small>5-10</small> 5.8	<small>10-15</small> 21.3	<small>15-25</small> 61.8	<small>25+</small> 10.7
Calcium (Ca), ppm	1260	929					
Ca, % Base Saturation	68.2	11.2	<small><45</small> 3.2	<small>45-55</small> 10.1	<small>55-75</small> 56.5	<small>75-85</small> 26.3	<small>85+</small> 4.0
pH (1:1)	6.8	0.6	<small><5.1</small> 0.3	<small>5.1-5.8</small> 7.0	<small>5.9-6.9</small> 49.9	<small>7.0-7.5</small> 28.1	<small>>7.5</small> 14.7
CEC, meq/100g	8.9	5.2	<small><3.1</small> 2.9	<small>3.1-8.0</small> 48.0	<small>8.1-15.0</small> 40.8	<small>15.1-25.0</small> 7.0	<small>>25.0</small> 1.3
Sulfur (S), ppm	10	14.5	<small><4</small> 1.5	<small>4-7</small> 44.0	<small>8-12</small> 42.8	<small>13-17</small> 6.7	<small>>17</small> 5.1
Zinc (Zn), ppm	4.8	3.7	<small><1.0</small> 29.8	<small>1.1-2.9</small> 29.8	<small>3.0-4.9</small> 33.6	<small>5.0-10.0</small> 31.6	<small>>10.0</small> 5.0
Manganese (Mn), ppm	34	13	<small><6</small> 1.7	<small>6-14</small> 8.1	<small>15-19</small> 15.6	<small>20-49</small> 66.9	<small>>49</small> 7.8
Iron (Fe), ppm	41	21		<small><5</small> 0.4	<small>5-9</small> 0.7	<small>10-50</small> 74.6	<small>>50</small> 24.2
Copper (Cu), ppm	1.8	1.6		<small><0.4</small> 0.9	<small>0.4-1.1</small> 36.0	<small>1.2-3.0</small> 51.6	<small>>3.0</small> 11.6
Boron (B), ppm	0.7	0.5	<small><0.4</small> 30.5	<small>0.4-0.5</small> 18.8	<small>0.6-1.2</small> 38.3	<small>1.3-2.5</small> 12.1	<small>>2.5</small> 0.3
Nitrate (NO ₃ -N), ppm	16.4	31.8	<small><5</small> 22.2	<small>5-9</small> 22.4	<small>10-19</small> 29.8	<small>20-39</small> 17.9	<small>>39</small> 7.7
Ammonium (NH ₄ -N), ppm	15.7	96.5	<small><5</small> 77.2	<small>5-9</small> 17.7	<small>10-19</small> 1.3	<small>20-39</small>	<small>>39</small> 3.8