

# Northwest 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,%	3.0	5.8	<small>&lt;1.0</small> 2.1	<small>1.0-2.5</small> 62.1	<small>2.5-5.0</small> 31.7	<small>5.0-7.0</small> 1.5	<small>7.0+</small> 2.6
Phosphorus (P1), ppm	59	57	<small>&lt;10</small> 3.6	<small>10-20</small> 13.2	<small>20-30</small> 16.1	<small>30-50</small> 25.0	<small>50+</small> 42.1
Phosphorus (P2), ppm	70	62	<small>&lt;14</small> 4.7	<small>14-29</small> 16.2	<small>29-44</small> 17.1	<small>44-74</small> 27.5	<small>74+</small> 34.6
Bicarbonate P, ppm	47	25	<small>&lt;5</small>	<small>5-15</small> 10.0	<small>15-25</small> 10.0	<small>25-45</small> 30.0	<small>45+</small> 50.0
Potassium (K), ppm	116	63					
K, % Base Saturation	4.3	2.3	<small>&lt;1.19</small> 2.3	<small>1.19-2.36</small> 15.0	<small>2.37-4.72</small> 57.2	<small>4.73-7.08</small> 20.1	<small>&gt;7.08</small> 6.0
Magnesium (Mg), ppm	176	116					
Mg, % Base Saturation	18.3	5.9	<small>&lt;5</small> 0.8	<small>5-10</small> 6.8	<small>10-15</small> 22.6	<small>15-25</small> 56.9	<small>25+</small> 12.8
Calcium (Ca), ppm	1079	887					
Ca, % Base Saturation	65.3	11.8	<small>&lt;45</small> 5.1	<small>45-55</small> 14.2	<small>55-75</small> 59.9	<small>75-85</small> 18.1	<small>85+</small> 2.7
pH (1:1)	6.6	0.6	<small>&lt;5.1</small> 1.0	<small>5.1-5.8</small> 11.3	<small>5.9-6.9</small> 54.8	<small>7.0-7.5</small> 25.7	<small>&gt;7.5</small> 7.3
CEC, meq/100g	7.9	5.0	<small>&lt;3.1</small> 3.1	<small>3.1-8.0</small> 58.5	<small>8.1-15.0</small> 33.1	<small>15.1-25.0</small> 3.8	<small>&gt;25.0</small> 1.4
Sulfur (S), ppm	10	20.8	<small>&lt;4</small> 1.5	<small>4-7</small> 44.7	<small>8-12</small> 42.5	<small>13-17</small> 7.4	<small>&gt;17</small> 4.0
Zinc (Zn), ppm	4.3	4.1	<small>&lt;1.0</small> 0.1	<small>1.1-2.9</small> 40.7	<small>3.0-4.9</small> 34.2	<small>5.0-10.0</small> 20.1	<small>&gt;10.0</small> 4.9
Manganese (Mn), ppm	34	13	<small>&lt;6</small> 2.3	<small>6-14</small> 8.6	<small>15-19</small> 14.7	<small>20-49</small> 66.9	<small>&gt;49</small> 7.5
Iron (Fe), ppm	45	22		<small>&lt;5</small> 0.7	<small>5-9</small> 0.6	<small>10-50</small> 66.9	<small>&gt;50</small> 31.8
Copper (Cu), ppm	1.8	2.5		<small>&lt;0.4</small> 1.4	<small>0.4-1.1</small> 42.7	<small>1.2-3.0</small> 42.7	<small>&gt;3.0</small> 13.3
Boron (B), ppm	0.5	0.4	<small>&lt;0.4</small> 46.9	<small>0.4-0.5</small> 23.6	<small>0.6-1.2</small> 24.6	<small>1.3-2.5</small> 4.5	<small>&gt;2.5</small> 0.5
Nitrate (NO <sub>3</sub> -N), ppm	13.7	13.4	<small>&lt;5</small> 30.9	<small>5-9</small> 18.1	<small>10-19</small> 25.0	<small>20-39</small> 19.1	<small>&gt;39</small> 6.9
Ammonium (NH <sub>4</sub> -N), ppm	3.5	4.9	<small>&lt;5</small> 70.8	<small>5-9</small> 25.0	<small>10-19</small> 2.8	<small>20-39</small>	<small>&gt;39</small> 1.4