

# Northeast 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,%	3.5	7.9	<small>&lt;1.0</small> 2.7	<small>1.0-2.5</small> 60.5	<small>2.5-5.0</small> 31.9	<small>5.0-7.0</small> 1.5	<small>7.0+</small> 3.4
Phosphorus (P1), ppm	51	45	<small>&lt;10</small> 3.4	<small>10-20</small> 13.3	<small>20-30</small> 17.1	<small>30-50</small> 28.5	<small>50+</small> 37.8
Phosphorus (P2), ppm	85	62	<small>&lt;14</small> 2.7	<small>14-29</small> 5.7	<small>29-44</small> 11.9	<small>44-74</small> 29.7	<small>74+</small> 50.0
Bicarbonate P, ppm	76	54	<small>&lt;5</small>	<small>5-15</small>	<small>15-25</small> 20.0	<small>25-45</small>	<small>45+</small> 80.0
Potassium (K), ppm	130	60					
K, % Base Saturation	4.0	1.9	<small>&lt;1.00</small> 0.9	<small>1.00-1.99</small> 10.2	<small>2.00-3.97</small> 53.8	<small>3.98-5.96</small> 29.4	<small>5.96+</small> 5.9
Magnesium (Mg), ppm	209	118					
Mg, % Base Saturation	18.2	5.2	<small>&lt;5</small> 0.6	<small>5-10</small> 5.8	<small>10-15</small> 20.7	<small>15-25</small> 64.4	<small>25+</small> 8.5
Calcium (Ca), ppm	1419	1062					
Ca, % Base Saturation	69.8	11.0	<small>&lt;45</small> 2.5	<small>45-55</small> 8.5	<small>55-75</small> 52.5	<small>75-85</small> 31.6	<small>85+</small> 4.9
pH (1:1)	6.9	0.7	<small>&lt;5.1</small> 0.5	<small>5.1-5.8</small> 6.4	<small>5.9-6.9</small> 44.1	<small>7.0-7.5</small> 27.9	<small>&gt;7.5</small> 21.1
CEC, meq/100g	9.8	6.0	<small>&lt;3.1</small> 1.7	<small>3.1-8.0</small> 42.2	<small>8.1-15.0</small> 45.4	<small>15.1-25.0</small> 7.9	<small>&gt;25.0</small> 2.8
Sulfur (S), ppm	11	13.8	<small>&lt;4</small> 1.5	<small>4-7</small> 40.2	<small>8-12</small> 43.7	<small>13-17</small> 7.2	<small>&gt;17</small> 7.4
Zinc (Zn), ppm	4.9	3.6	<small>&lt;1.0</small>	<small>1.1-2.9</small> 29.4	<small>3.0-4.9</small> 35.1	<small>5.0-10.0</small> 29.7	<small>&gt;10.0</small> 5.8
Manganese (Mn), ppm	32	12	<small>&lt;6</small> 2.6	<small>6-14</small> 9.4	<small>15-19</small> 16.7	<small>20-49</small> 66.1	<small>&gt;49</small> 5.3
Iron (Fe), ppm	46	26		<small>&lt;5</small> 0.2	<small>5-9</small> 0.5	<small>10-50</small> 67.9	<small>&gt;50</small> 31.4
Copper (Cu), ppm	1.8	1.5		<small>&lt;0.4</small> 0.4	<small>0.4-1.1</small> 39.7	<small>1.2-3.0</small> 48.1	<small>&gt;3.0</small> 11.8
Boron (B), ppm	0.8	0.7	<small>&lt;0.4</small> 24.5	<small>0.4-0.5</small> 19.9	<small>0.6-1.2</small> 41.7	<small>1.3-2.5</small> 12.2	<small>&gt;2.5</small> 1.7
Nitrate (NO <sub>3</sub> -N), ppm	28.2	36.2	<small>&lt;5</small> 0.8	<small>5-9</small> 4.9	<small>10-19</small> 35.0	<small>20-39</small> 47.2	<small>&gt;39</small> 12.2
Ammonium (NH <sub>4</sub> -N), ppm	3.7	4.2	<small>&lt;5</small> 63.8	<small>5-9</small> 29.8	<small>10-19</small>	<small>20-39</small> 6.4	<small>&gt;39</small>