

# Northeast 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	3.9	<small>&lt;1.0</small> 0.3	<small>1.0-2.5</small> 53.5	<small>2.5-5.0</small> 42.1	<small>5.0-7.0</small> 2.2	<small>7.0+</small> 2.0
Phosphorus (P1), ppm	49	39	<small>&lt;10</small> 3.9	<small>10-20</small> 12.6	<small>20-30</small> 16.2	<small>30-50</small> 29.7	<small>50+</small> 37.5
Phosphorus (P2), ppm	81	103	<small>&lt;14</small> 5.6	<small>14-29</small> 14.5	<small>29-44</small> 16.0	<small>44-74</small> 32.2	<small>74+</small> 31.8
Bicarbonate P, ppm	20	58	<small>&lt;5</small> 32.0	<small>5-15</small> 52.0	<small>15-25</small> 8.0	<small>25-45</small> 4.0	<small>45+</small> 4.0
Potassium (K), ppm	145	70					
K, % Base Saturation	3.9	1.8	<small>&lt;0.94</small> 0.8	<small>0.94-1.86</small> 7.4	<small>1.87-3.73</small> 46.8	<small>3.74-5.59</small> 35.2	<small>5.59+</small> 9.9
Magnesium (Mg), ppm	226	109					
Mg, % Base Saturation	18.4	5.3	<small>&lt;5</small> 0.7	<small>5-10</small> 5.8	<small>10-15</small> 19.4	<small>15-25</small> 64.6	<small>25+</small> 9.5
Calcium (Ca), ppm	1577	1178					
Ca, % Base Saturation	72.0	10.4	<small>&lt;45</small> 1.7	<small>45-55</small> 5.2	<small>55-75</small> 50.1	<small>75-85</small> 35.7	<small>85+</small> 7.2
pH (1:1)	7.1	0.7	<small>&lt;5.1</small> 0.3	<small>5.1-5.8</small> 4.2	<small>5.9-6.0</small> 34.4	<small>7.0-7.5</small> 32.5	<small>&gt;7.5</small> 28.6
CEC, meq/100g	10.6	6.1	<small>&lt;3.1</small> 0.8	<small>3.1-8.0</small> 31.9	<small>8.1-15.0</small> 54.6	<small>15.1-25.0</small> 11.1	<small>&gt;25.0</small> 1.7
Sulfur (S), ppm	9	10.8	<small>&lt;4</small> 0.2	<small>4-7</small> 38.3	<small>8-12</small> 50.5	<small>13-17</small> 6.9	<small>&gt;17</small> 3.8
Zinc (Zn), ppm	5.2	3.6	<small>&lt;1.0</small> 0.2	<small>1.1-2.9</small> 25.2	<small>3.0-4.9</small> 30.9	<small>5.0-10.0</small> 37.6	<small>&gt;10.0</small> 6.1
Manganese (Mn), ppm	31	11	<small>&lt;6</small> 1.8	<small>6-14</small> 8.2	<small>15-19</small> 21.3	<small>20-49</small> 65.9	<small>&gt;49</small> 2.6
Iron (Fe), ppm	37	20		<small>&lt;5</small> 0.9	<small>5-9</small> 0.9	<small>10-50</small> 80.3	<small>&gt;50</small> 17.8
Copper (Cu), ppm	1.7	1.0		<small>&lt;0.4</small> 0.1	<small>0.4-1.1</small> 32.9	<small>1.2-3.0</small> 59.8	<small>&gt;3.0</small> 7.2
Boron (B), ppm	0.8	0.5	<small>&lt;0.4</small> 13.4	<small>0.4-0.5</small> 18.2	<small>0.6-1.2</small> 54.2	<small>1.3-2.5</small> 13.7	<small>&gt;2.5</small> 0.3
Nitrate (NO <sub>3</sub> -N), ppm	27.9	29.1	<small>&lt;5</small> 17.9	<small>5-9</small> 10.7	<small>10-19</small> 23.2	<small>20-39</small> 19.6	<small>&gt;39</small> 28.6
Ammonium (NH <sub>4</sub> -N), ppm	2.9	0.9	<small>&lt;5</small> 87.5	<small>5-9</small> 12.5	<small>10-19</small>	<small>20-39</small>	<small>&gt;39</small>