

Northwest 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	5.3	<small><1.0</small> 2.3	<small>1.0-2.5</small> 61.6	<small>2.5-5.0</small> 31.9	<small>5.0-7.0</small> 1.5	<small>7.0+</small> 2.6
Phosphorus (P1), ppm	57	52	<small><10</small> 3.7	<small>10-20</small> 13.0	<small>20-30</small> 15.8	<small>30-50</small> 25.5	<small>50+</small> 42.0
Phosphorus (P2), ppm	82	64	<small><14</small> 2.2	<small>14-29</small> 11.9	<small>29-44</small> 15.8	<small>44-74</small> 26.9	<small>74+</small> 43.1
Bicarbonate P, ppm	6	4	<small><5</small> 60.0	<small>5-15</small> 33.3	<small>15-25</small> 6.7	<small>25-45</small>	<small>45+</small>
Potassium (K), ppm	126	73					
K, % Base Saturation	4.7	2.5	<small><1.18</small> 2.4	<small>1.18-2.33</small> 13.1	<small>2.34-4.67</small> 52.1	<small>4.68-7.00</small> 25.1	<small>>7.00</small> 8.1
Magnesium (Mg), ppm	175	108					
Mg, % Base Saturation	18.6	5.9	<small><5</small> 0.6	<small>5-10</small> 6.2	<small>10-15</small> 22.1	<small>15-25</small> 57.5	<small>25+</small> 13.5
Calcium (Ca), ppm	1116	1230					
Ca, % Base Saturation	65.6	12.2	<small><45</small> 6.0	<small>45-55</small> 12.8	<small>55-75</small> 58.9	<small>75-85</small> 19.6	<small>85+</small> 2.7
pH (1:1)	6.7	0.6	<small><5.1</small> 0.8	<small>5.1-5.8</small> 9.9	<small>5.9-6.0</small> 54.7	<small>7.0-7.5</small> 27.0	<small>>7.5</small> 7.6
CEC, meq/100g	8.0	6.2	<small><3.1</small> 5.1	<small>3.1-8.0</small> 56.5	<small>8.1-15.0</small> 32.9	<small>15.1-25.0</small> 4.0	<small>>25.0</small> 1.5
Sulfur (S), ppm	9	18.2	<small><4</small> 1.0	<small>4-7</small> 48.9	<small>8-12</small> 39.5	<small>13-17</small> 6.2	<small>>17</small> 4.1
Zinc (Zn), ppm	4.4	4.0	<small><1.0</small>	<small>1.1-2.9</small> 38.1	<small>3.0-4.9</small> 36.1	<small>5.0-10.0</small> 20.7	<small>>10.0</small> 4.9
Manganese (Mn), ppm	34	13	<small><6</small> 2.5	<small>6-14</small> 7.4	<small>15-19</small> 14.2	<small>20-49</small> 66.4	<small>>49</small> 9.3
Iron (Fe), ppm	42	26		<small><5</small> 1.1	<small>5-9</small> 1.0	<small>10-50</small> 74.0	<small>>50</small> 23.8
Copper (Cu), ppm	1.8	2.3		<small><0.4</small> 0.9	<small>0.4-1.1</small> 48.0	<small>1.2-3.0</small> 38.6	<small>>3.0</small> 12.4
Boron (B), ppm	0.5	0.5	<small><0.4</small> 51.9	<small>0.4-0.5</small> 21.2	<small>0.6-1.2</small> 20.7	<small>1.3-2.5</small> 5.4	<small>>2.5</small> 0.6
Nitrate (NO ₃ -N), ppm	19.5	28.6	<small><5</small> 28.3	<small>5-9</small> 15.7	<small>10-19</small> 19.0	<small>20-39</small> 24.5	<small>>39</small> 12.4
Ammonium (NH ₄ -N), ppm	10.3	66.5	<small><5</small> 86.2	<small>5-9</small> 9.2	<small>10-19</small> 0.8	<small>20-39</small> 1.5	<small>>39</small> 2.3