

Great Lakes Region

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,%	3.2	4.1	<small><1.0</small> 1.3	<small>1.0-2.5</small> 44.0	<small>2.5-5.0</small> 48.1	<small>5.0-7.0</small> 4.1	<small>7.0+</small> 2.5
Phosphorus (P1), ppm	45	46	<small><10</small> 6.2	<small>10-20</small> 18.0	<small>20-30</small> 20.4	<small>30-50</small> 26.2	<small>50+</small> 28.6
Phosphorus (P2), ppm	67	67	<small><14</small> 4.7	<small>14-29</small> 17.7	<small>29-44</small> 19.8	<small>44-74</small> 29.0	<small>74+</small> 28.8
Bicarbonate P, ppm	39	21	<small><5</small> 3.0	<small>5-15</small> 7.0	<small>15-25</small> 10.5	<small>25-45</small> 48.9	<small>45+</small> 30.6
Potassium (K), ppm	139	66					
K, % Base Saturation	3.9	2.0	<small><0.94</small> 1.6	<small>0.94-1.86</small> 7.9	<small>1.87-3.72</small> 53.6	<small>3.73-5.57</small> 29.8	<small>5.57+</small> 8.1
Magnesium (Mg), ppm	262	160					
Mg, % Base Saturation	20.1	6.7	<small><5</small> 0.5	<small>5-10</small> 5.1	<small>10-15</small> 17.6	<small>15-25</small> 53.1	<small>25+</small> 23.6
Calcium (Ca), ppm	1384	930					
Ca, % Base Saturation	63.8	11.6	<small><45</small> 5.5	<small>45-55</small> 16.0	<small>55-75</small> 62.7	<small>75-85</small> 13.2	<small>85+</small> 2.6
pH (1:1)	6.6	0.6	<small><5.1</small> 0.8	<small>5.1-5.8</small> 11.2	<small>5.9-6.0</small> 61.3	<small>7.0-7.5</small> 20.3	<small>>7.5</small> 6.4
CEC, meq/100g	10.6	5.6	<small><3.1</small> 1.8	<small>3.1-8.0</small> 32.2	<small>8.1-15.0</small> 49.3	<small>15.1-25.0</small> 15.3	<small>>25.0</small> 1.4
Sulfur (S), ppm	9	35.5	<small><4</small> 1.1	<small>4-7</small> 55.8	<small>8-12</small> 36.1	<small>13-17</small> 4.0	<small>>17</small> 2.9
Zinc (Zn), ppm	3.8	4.0	<small><1.0</small> 53.3	<small>1.1-2.9</small> 28.2	<small>3.0-4.9</small> 14.8	<small>5.0-10.0</small> 3.5	<small>>10.0</small>
Manganese (Mn), ppm	38	17	<small><6</small> 2.2	<small>6-14</small> 6.8	<small>15-19</small> 13.2	<small>20-49</small> 57.2	<small>>49</small> 20.4
Iron (Fe), ppm	43	26		<small><5</small> 0.7	<small>5-9</small> 1.2	<small>10-50</small> 71.0	<small>>50</small> 27.0
Copper (Cu), ppm	1.7	1.5		<small><0.4</small> 0.3	<small>0.4-1.1</small> 38.2	<small>1.2-3.0</small> 53.5	<small>>3.0</small> 8.0
Boron (B), ppm	0.5	0.5	<small><0.4</small> 42.5	<small>0.4-0.5</small> 25.0	<small>0.6-1.2</small> 28.2	<small>1.3-2.5</small> 3.9	<small>>2.5</small> 0.3
Nitrate (NO ₃ -N), ppm	20.8	29.0	<small><5</small> 11.0	<small>5-9</small> 19.6	<small>10-19</small> 29.2	<small>20-39</small> 28.3	<small>>39</small> 11.9
Ammonium (NH ₄ -N), ppm	6.8	26.6	<small><5</small> 63.0	<small>5-9</small> 24.2	<small>10-19</small> 7.6	<small>20-39</small> 3.8	<small>>39</small> 1.3