



Great Lakes Region

2022 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,%	3.4	4.1	<small><1.0</small> 1.2	<small>1.0-2.5</small> 39.8	<small>2.5-5.0</small> 51.3	<small>5.0-7.0</small> 5.2	<small>7.0+</small> 2.5
Phosphorus (P1), ppm	43	46	<small><10</small> 6.1	<small>10-20</small> 19.2	<small>20-30</small> 21.6	<small>30-50</small> 26.6	<small>50+</small> 25.7
Phosphorus (P2), ppm	66	74	<small><14</small> 4.9	<small>14-29</small> 18.2	<small>29-44</small> 20.5	<small>44-74</small> 28.7	<small>74+</small> 27.7
Bicarbonate P, ppm	44	60	<small><5</small> 2.1	<small>5-15</small> 19.6	<small>15-25</small> 23.3	<small>25-45</small> 31.6	<small>45+</small> 23.3
Potassium (K), ppm	142	66					
K, % Base Saturation	3.7	1.9	<small><0.91</small> 0.4	<small>0.91-1.79</small> 7.3	<small>1.80-3.58</small> 53.9	<small>3.59-5.38</small> 29.7	<small>>5.38</small> 8.8
Magnesium (Mg), ppm	270	159					
Mg, % Base Saturation	19.7	6.6	<small><5</small> 0.5	<small>5-10</small> 4.9	<small>10-15</small> 19.2	<small>15-25</small> 52.7	<small>25+</small> 22.7
Calcium (Ca), ppm	1424	884					
Ca, % Base Saturation	63.4	11.3	<small><45</small> 5.1	<small>45-55</small> 17.2	<small>55-75</small> 62.5	<small>75-85</small> 13.0	<small>85+</small> 2.2
pH (1:1)	6.5	0.6	<small><5.1</small> 1.1	<small>5.1-5.8</small> 13.1	<small>5.9-6.9</small> 61.8	<small>7.0-7.5</small> 18.4	<small>>7.5</small> 5.6
CEC, meq/100g	11.1	5.4	<small><3.1</small> 0.7	<small>3.1-8.0</small> 28.7	<small>8.1-15.0</small> 52.7	<small>15.1-25.0</small> 16.3	<small>>25.0</small> 1.5
Sulfur (S), ppm	10	15.7	<small><4</small> 1.5	<small>4-7</small> 38.1	<small>8-12</small> 48.9	<small>13-17</small> 7.4	<small>>17</small> 4.1
Zinc (Zn), ppm	3.8	3.6	<small><1.0</small>	<small>1.1-2.9</small> 52.8	<small>3.0-4.9</small> 28.8	<small>5.0-10.0</small> 15.1	<small>>10.0</small> 3.3
Manganese (Mn), ppm	39	16	<small><6</small> 1.3	<small>6-14</small> 6.3	<small>15-19</small> 12.4	<small>20-49</small> 57.3	<small>>49</small> 22.7
Iron (Fe), ppm	42	26		<small><5</small> 0.7	<small>5-9</small> 1.1	<small>10-50</small> 71.8	<small>>50</small> 26.4
Copper (Cu), ppm	1.7	1.7		<small><0.4</small> 1.0	<small>0.4-1.1</small> 40.2	<small>1.2-3.0</small> 50.0	<small>>3.0</small> 8.8
Boron (B), ppm	0.5	0.4	<small><0.4</small> 37.8	<small>0.4-0.5</small> 27.7	<small>0.6-1.2</small> 29.5	<small>1.3-2.5</small> 4.5	<small>>2.5</small> 0.4
Nitrate (NO3-N), ppm	27.8	25.5	<small><5</small> 7.7	<small>5-9</small> 18.1	<small>10-19</small> 23.6	<small>20-39</small> 25.4	<small>>39</small> 25.2
Ammonium (NH4-N), ppm	10.4	29.3	<small><5</small> 18.9	<small>5-9</small> 56.6	<small>10-19</small> 12.0	<small>20-39</small> 5.0	<small>>39</small> 7.5