

Great Lakes States

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,%	3.4	4.5	<small><1.0</small> 1.2	<small>1.0-2.5</small> 40.9	<small>2.5-5.0</small> 50.3	<small>5.0-7.0</small> 5.0	<small>7.0+</small> 2.6
Phosphorus (P1), ppm	44	46	<small><10</small> 6.2	<small>10-20</small> 18.8	<small>20-30</small> 21.3	<small>30-50</small> 26.1	<small>50+</small> 26.8
Phosphorus (P2), ppm	67	68	<small><14</small> 5.2	<small>14-29</small> 17.2	<small>29-44</small> 19.7	<small>44-74</small> 29.3	<small>74+</small> 28.6
Bicarbonate P, ppm	24	32	<small><5</small> 12.7	<small>5-15</small> 43.9	<small>15-25</small> 17.1	<small>25-45</small> 15.8	<small>45+</small> 10.5
Potassium (K), ppm	137	65					
K, % Base Saturation	3.7	1.9	<small><0.92</small> 1.4	<small>0.92-1.83</small> 8.3	<small>1.84-3.66</small> 55.4	<small>3.67-5.48</small> 28.3	<small>>5.48</small> 7.4
Magnesium (Mg), ppm	274	165					
Mg, % Base Saturation	20.3	6.9	<small><5</small> 0.5	<small>5-10</small> 5.0	<small>10-15</small> 16.9	<small>15-25</small> 51.7	<small>25+</small> 25.8
Calcium (Ca), ppm	1396	903					
Ca, % Base Saturation	63.5	11.1	<small><45</small> 4.7	<small>45-55</small> 17.1	<small>55-75</small> 63.3	<small>75-85</small> 12.4	<small>85+</small> 2.4
pH (1:1)	6.6	0.6	<small><5.1</small> 0.9	<small>5.1-5.8</small> 11.6	<small>5.9-6.9</small> 62.0	<small>7.0-7.5</small> 19.4	<small>>7.5</small> 6.1
CEC, meq/100g	10.8	5.5	<small><3.1</small> 1.1	<small>3.1-8.0</small> 30.9	<small>8.1-15.0</small> 50.9	<small>15.1-25.0</small> 15.6	<small>>25.0</small> 1.5
Sulfur (S), ppm	9	17.0	<small><4</small> 2.9	<small>4-7</small> 50.2	<small>8-12</small> 38.4	<small>13-17</small> 5.1	<small>>17</small> 3.3
Zinc (Zn), ppm	3.9	3.8	<small><1.0</small> 50.4	<small>1.1-2.9</small> 50.4	<small>3.0-4.9</small> 30.6	<small>5.0-10.0</small> 15.4	<small>>10.0</small> 3.6
Manganese (Mn), ppm	38	17	<small><6</small> 1.9	<small>6-14</small> 8.0	<small>15-19</small> 13.6	<small>20-49</small> 56.7	<small>>49</small> 19.7
Iron (Fe), ppm	43	26		<small><5</small> 0.7	<small>5-9</small> 1.2	<small>10-50</small> 70.1	<small>>50</small> 27.9
Copper (Cu), ppm	1.7	1.4		<small><0.4</small> 0.4	<small>0.4-1.1</small> 36.8	<small>1.2-3.0</small> 54.3	<small>>3.0</small> 8.5
Boron (B), ppm	0.5	1.8	<small><0.4</small> 40.0	<small>0.4-0.5</small> 25.3	<small>0.6-1.2</small> 29.8	<small>1.3-2.5</small> 4.5	<small>>2.5</small> 0.4
Nitrate (NO ₃ -N), ppm	50.2	60.7	<small><5</small> 5.8	<small>5-9</small> 12.3	<small>10-19</small> 23.3	<small>20-39</small> 24.7	<small>>39</small> 33.9
Ammonium (NH ₄ -N), ppm	17.7	45.2	<small><5</small> 25.9	<small>5-9</small> 45.6	<small>10-19</small> 6.3	<small>20-39</small> 3.3	<small>>39</small> 18.9