



# Southern Michigan

## 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,%	2.7	4.0	<small>&lt;1.0</small> 1.6	<small>1.0-2.5</small> 64.3	<small>2.5-5.0</small> 30.8	<small>5.0-7.0</small> 1.4	<small>7.0+</small> 2.0
Phosphorus (P1), ppm	59	72	<small>&lt;10</small> 3.2	<small>10-20</small> 13.2	<small>20-30</small> 17.1	<small>30-50</small> 27.7	<small>50+</small> 38.8
Phosphorus (P2), ppm	59	50	<small>&lt;14</small> 3.2	<small>14-29</small> 31.3	<small>29-44</small> 20.6	<small>44-74</small> 19.2	<small>74+</small> 25.6
Bicarbonate P, ppm	12	7	<small>&lt;5</small> 30.0	<small>5-15</small> 40.0	<small>15-25</small> 30.0	<small>25-45</small>	<small>45+</small>
Potassium (K), ppm	133	64					
K, % Base Saturation	4.5	2.2	<small>&lt;1.11</small> 0.8	<small>1.11-2.21</small> 9.7	<small>2.22-4.41</small> 51.0	<small>4.42-6.62</small> 29.5	<small>&gt;6.62</small> 9.0
Magnesium (Mg), ppm	168	92					
Mg, % Base Saturation	16.6	5.1	<small>&lt;5</small> 1.7	<small>5-10</small> 7.5	<small>10-15</small> 28.3	<small>15-25</small> 57.8	<small>25+</small> 4.8
Calcium (Ca), ppm	1180	896					
Ca, % Base Saturation	66.2	13.4	<small>&lt;45</small> 5.5	<small>45-55</small> 12.5	<small>55-75</small> 52.6	<small>75-85</small> 25.4	<small>85+</small> 4.1
pH (1:1)	6.6	0.7	<small>&lt;5.1</small> 2.2	<small>5.1-5.8</small> 11.3	<small>5.9-6.9</small> 52.8	<small>7.0-7.5</small> 23.8	<small>&gt;7.5</small> 9.9
CEC, meq/100g	8.6	4.8	<small>&lt;3.1</small> 1.3	<small>3.1-8.0</small> 52.6	<small>8.1-15.0</small> 40.0	<small>15.1-25.0</small> 5.3	<small>&gt;25.0</small> 0.9
Sulfur (S), ppm	11	10.0	<small>&lt;4</small> 0.7	<small>4-7</small> 29.5	<small>8-12</small> 52.5	<small>13-17</small> 10.3	<small>&gt;17</small> 6.9
Zinc (Zn), ppm	4.3	3.6	<small>&lt;1.0</small>	<small>1.1-2.9</small> 41.3	<small>3.0-4.9</small> 31.1	<small>5.0-10.0</small> 23.5	<small>&gt;10.0</small> 4.0
Manganese (Mn), ppm	39	16	<small>&lt;6</small> 2.3	<small>6-14</small> 6.6	<small>15-19</small> 10.6	<small>20-49</small> 60.5	<small>&gt;49</small> 19.9
Iron (Fe), ppm	44	25		<small>&lt;5</small> 0.3	<small>5-9</small> 0.4	<small>10-50</small> 72.2	<small>&gt;50</small> 27.1
Copper (Cu), ppm	1.9	1.9		<small>&lt;0.4</small> 2.5	<small>0.4-1.1</small> 44.0	<small>1.2-3.0</small> 39.3	<small>&gt;3.0</small> 14.1
Boron (B), ppm	0.5	0.4	<small>&lt;0.4</small> 45.3	<small>0.4-0.5</small> 23.3	<small>0.6-1.2</small> 26.6	<small>1.3-2.5</small> 4.6	<small>&gt;2.5</small> 0.2
Nitrate (NO3-N), ppm	23.1	16.9	<small>&lt;5</small> 11.5	<small>5-9</small> 23.1	<small>10-19</small> 7.7	<small>20-39</small> 39.4	<small>&gt;39</small> 18.3
Ammonium (NH4-N), ppm	8.7	9.0	<small>&lt;5</small> 25.4	<small>5-9</small> 40.8	<small>10-19</small> 16.9	<small>20-39</small> 11.3	<small>&gt;39</small> 5.6