

# Southeast Michigan

## 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,%	3.1	5.3	<small>&lt;1.0</small> 0.7	<small>1.0-2.5</small> 55.0	<small>2.5-5.0</small> 40.1	<small>5.0-7.0</small> 2.1	<small>7.0+</small> 2.1
Phosphorus (P1), ppm	54	49	<small>&lt;10</small> 2.6	<small>10-20</small> 12.8	<small>20-30</small> 17.9	<small>30-50</small> 29.2	<small>50+</small> 37.6
Phosphorus (P2), ppm	55	54	<small>&lt;14</small> 7.3	<small>14-29</small> 32.6	<small>29-44</small> 18.7	<small>44-74</small> 17.8	<small>74+</small> 23.6
Bicarbonate P, ppm	25		<small>&lt;5</small>	<small>5-15</small>	<small>15-25</small> 100.0	<small>25-45</small>	<small>45+</small>
Potassium (K), ppm	134	58					
K, % Base Saturation	4.1	1.9	<small>&lt;1.04</small> 0.9	<small>1.04-2.05</small> 8.3	<small>2.06-4.10</small> 53.2	<small>4.11-6.15</small> 31.0	<small>&gt;6.15</small> 7.1
Magnesium (Mg), ppm	194	92					
Mg, % Base Saturation	17.7	5.1	<small>&lt;5</small> 0.5	<small>5-10</small> 5.8	<small>10-15</small> 23.8	<small>15-25</small> 63.0	<small>25+</small> 7.0
Calcium (Ca), ppm	1348	967					
Ca, % Base Saturation	69.0	11.6	<small>&lt;45</small> 2.9	<small>45-55</small> 10.1	<small>55-75</small> 50.8	<small>75-85</small> 31.0	<small>85+</small> 5.2
pH (1:1)	6.8	0.7	<small>&lt;5.1</small> 0.4	<small>5.1-5.8</small> 7.5	<small>5.9-6.9</small> 47.4	<small>7.0-7.5</small> 26.0	<small>&gt;7.5</small> 18.7
CEC, meq/100g	9.4	5.1	<small>&lt;3.1</small> 1.4	<small>3.1-8.0</small> 41.5	<small>8.1-15.0</small> 49.1	<small>15.1-25.0</small> 7.1	<small>&gt;25.0</small> 0.9
Sulfur (S), ppm	9	12.0	<small>&lt;4</small> 1.6	<small>4-7</small> 43.0	<small>8-12</small> 44.9	<small>13-17</small> 7.2	<small>&gt;17</small> 3.2
Zinc (Zn), ppm	4.5	3.3	<small>&lt;1.0</small>	<small>1.1-2.9</small> 35.3	<small>3.0-4.9</small> 32.6	<small>5.0-10.0</small> 27.5	<small>&gt;10.0</small> 4.6
Manganese (Mn), ppm	36	13	<small>&lt;6</small> 1.1	<small>6-14</small> 5.9	<small>15-19</small> 14.3	<small>20-49</small> 67.0	<small>&gt;49</small> 11.8
Iron (Fe), ppm	38	20		<small>&lt;5</small> 0.5	<small>5-9</small> 1.8	<small>10-50</small> 78.0	<small>&gt;50</small> 19.7
Copper (Cu), ppm	1.9	1.4		<small>&lt;0.4</small> 0.2	<small>0.4-1.1</small> 33.4	<small>1.2-3.0</small> 53.0	<small>&gt;3.0</small> 13.4
Boron (B), ppm	0.6	0.4	<small>&lt;0.4</small> 31.8	<small>0.4-0.5</small> 23.2	<small>0.6-1.2</small> 36.9	<small>1.3-2.5</small> 8.0	<small>&gt;2.5</small> 0.2
Nitrate (NO <sub>3</sub> -N), ppm	32.1	30.1	<small>&lt;5</small> 8.8	<small>5-9</small> 11.8	<small>10-19</small> 17.5	<small>20-39</small> 34.6	<small>&gt;39</small> 27.2
Ammonium (NH <sub>4</sub> -N), ppm	5.8	9.3	<small>&lt;5</small> 60.2	<small>5-9</small> 22.7	<small>10-19</small> 9.1	<small>20-39</small> 3.4	<small>&gt;39</small> 4.5