



# Southeast Michigan

## 2018 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	3.0	<small>&lt;1.0</small> 1.3	<small>1.0-2.5</small> 59.3	<small>2.5-5.0</small> 36.1	<small>5.0-7.0</small> 1.5	<small>7.0+</small> 1.8
Phosphorus (P1), ppm	56	55	<small>&lt;10</small> 4.2	<small>10-20</small> 14.5	<small>20-30</small> 17.3	<small>30-50</small> 25.9	<small>50+</small> 38.1
Phosphorus (P2), ppm	64	69	<small>&lt;14</small> 5.2	<small>14-29</small> 21.2	<small>29-44</small> 19.8	<small>44-74</small> 30.9	<small>74+</small> 22.9
Bicarbonate P, ppm	11	6	<small>&lt;5</small> 25.0	<small>5-15</small> 50.0	<small>15-25</small> 25.0	<small>25-45</small>	<small>45+</small>
Potassium (K), ppm	126	78					
K, % Base Saturation	4.2	2.1	<small>&lt;1.10</small> 0.7	<small>1.10-2.17</small> 9.5	<small>2.18-4.35</small> 57.3	<small>4.36-6.52</small> 27.2	<small>&gt;6.52</small> 5.5
Magnesium (Mg), ppm	192	103					
Mg, % Base Saturation	18.5	5.5	<small>&lt;5</small> 0.3	<small>5-10</small> 4.6	<small>10-15</small> 22.9	<small>15-25</small> 61.0	<small>25+</small> 11.2
Calcium (Ca), ppm	1207	783					
Ca, % Base Saturation	66.1	11.6	<small>&lt;45</small> 4.3	<small>45-55</small> 13.2	<small>55-75</small> 58.5	<small>75-85</small> 20.6	<small>85+</small> 3.3
pH (1:1)	6.6	0.6	<small>&lt;5.1</small> 0.3	<small>5.1-5.8</small> 8.0	<small>5.9-6.0</small> 61.1	<small>7.0-7.5</small> 23.3	<small>&gt;7.5</small> 7.3
CEC, meq/100g	8.8	4.5	<small>&lt;3.1</small> 2.3	<small>3.1-8.0</small> 48.2	<small>8.1-15.0</small> 42.3	<small>15.1-25.0</small> 6.4	<small>&gt;25.0</small> 0.7
Sulfur (S), ppm	10	20.1	<small>&lt;4</small> 1.0	<small>4-7</small> 44.2	<small>8-12</small> 44.4	<small>13-17</small> 6.3	<small>&gt;17</small> 4.0
Zinc (Zn), ppm	4.4	4.2	<small>&lt;1.0</small>	<small>1.1-2.9</small> 40.5	<small>3.0-4.9</small> 30.7	<small>5.0-10.0</small> 24.2	<small>&gt;10.0</small> 4.7
Manganese (Mn), ppm	37	13	<small>&lt;6</small> 1.0	<small>6-14</small> 6.2	<small>15-19</small> 12.7	<small>20-49</small> 65.1	<small>&gt;49</small> 15.1
Iron (Fe), ppm	45	24		<small>&lt;5</small> 0.3	<small>5-9</small> 0.4	<small>10-50</small> 69.0	<small>&gt;50</small> 30.3
Copper (Cu), ppm	1.9	1.4		<small>&lt;0.4</small> 0.1	<small>0.4-1.1</small> 31.1	<small>1.2-3.0</small> 54.8	<small>&gt;3.0</small> 14.1
Boron (B), ppm	0.6	0.4	<small>&lt;0.4</small> 32.1	<small>0.4-0.5</small> 26.6	<small>0.6-1.2</small> 35.1	<small>1.3-2.5</small> 6.0	<small>&gt;2.5</small> 0.3
Nitrate (NO <sub>3</sub> -N), ppm	24.8	25.3	<small>&lt;5</small> 13.8	<small>5-9</small> 18.1	<small>10-19</small> 26.6	<small>20-39</small> 22.3	<small>&gt;39</small> 19.1
Ammonium (NH <sub>4</sub> -N), ppm	3.1	1.2	<small>&lt;5</small> 72.2	<small>5-9</small> 27.8	<small>10-19</small>	<small>20-39</small>	<small>&gt;39</small>