

# Southwest 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,%	2.6	4.0	<small>&lt;1.0</small> 1.8	<small>1.0-2.5</small> 71.9	<small>2.5-5.0</small> 22.6	<small>5.0-7.0</small> 1.4	<small>7.0+</small> 2.2
Phosphorus (P1), ppm	57	63	<small>&lt;10</small> 4.1	<small>10-20</small> 15.0	<small>20-30</small> 17.1	<small>30-50</small> 24.7	<small>50+</small> 39.1
Phosphorus (P2), ppm	140	133	<small>&lt;14</small> 1.8	<small>14-29</small> 14.9	<small>29-44</small> 15.7	<small>44-74</small> 15.4	<small>74+</small> 52.3
Bicarbonate P, ppm	24	40	<small>&lt;5</small> 25.0	<small>5-15</small> 62.5	<small>15-25</small>	<small>25-45</small>	<small>45+</small> 12.5
Potassium (K), ppm	119	57					
K, % Base Saturation	4.8	2.4	<small>&lt;1.27</small> 1.6	<small>1.27-2.52</small> 12.8	<small>2.53-5.04</small> 54.8	<small>5.05-7.55</small> 25.0	<small>&gt;7.55</small> 6.2
Magnesium (Mg), ppm	150	93					
Mg, % Base Saturation	17.4	6.0	<small>&lt;5</small> 2.0	<small>5-10</small> 8.1	<small>10-15</small> 25.3	<small>15-25</small> 54.7	<small>25+</small> 9.9
Calcium (Ca), ppm	951	837					
Ca, % Base Saturation	62.8	13.1	<small>&lt;45</small> 7.5	<small>45-55</small> 16.9	<small>55-75</small> 58.9	<small>75-85</small> 14.6	<small>85+</small> 2.0
pH (1:1)	6.5	0.7	<small>&lt;5.1</small> 2.8	<small>5.1-5.8</small> 13.4	<small>5.9-6.9</small> 61.1	<small>7.0-7.5</small> 19.6	<small>&gt;7.5</small> 3.1
CEC, meq/100g	7.4	4.5	<small>&lt;3.1</small> 2.5	<small>3.1-8.0</small> 68.1	<small>8.1-15.0</small> 25.2	<small>15.1-25.0</small> 3.4	<small>&gt;25.0</small> 0.8
Sulfur (S), ppm	9	9.5	<small>&lt;4</small> 2.9	<small>4-7</small> 49.0	<small>8-12</small> 36.9	<small>13-17</small> 6.0	<small>&gt;17</small> 5.1
Zinc (Zn), ppm	3.7	3.2	<small>&lt;1.0</small>	<small>1.1-2.9</small> 51.7	<small>3.0-4.9</small> 31.9	<small>5.0-10.0</small> 13.6	<small>&gt;10.0</small> 2.8
Manganese (Mn), ppm	40	17	<small>&lt;6</small> 3.5	<small>6-14</small> 6.0	<small>15-19</small> 6.9	<small>20-49</small> 59.2	<small>&gt;49</small> 24.3
Iron (Fe), ppm	44	27		<small>&lt;5</small> 0.5	<small>5-9</small> 0.5	<small>10-50</small> 70.8	<small>&gt;50</small> 28.2
Copper (Cu), ppm	1.6	2.0		<small>&lt;0.4</small> 1.2	<small>0.4-1.1</small> 52.6	<small>1.2-3.0</small> 37.6	<small>&gt;3.0</small> 8.6
Boron (B), ppm	0.4	0.3	<small>&lt;0.4</small> 62.5	<small>0.4-0.5</small> 22.3	<small>0.6-1.2</small> 13.8	<small>1.3-2.5</small> 1.3	<small>&gt;2.5</small> 0.1
Nitrate (NO <sub>3</sub> -N), ppm	36.4	26.4	<small>&lt;5</small> 5.1	<small>5-9</small> 8.5	<small>10-19</small> 17.9	<small>20-39</small> 26.4	<small>&gt;39</small> 42.1
Ammonium (NH <sub>4</sub> -N), ppm	7.2	14.6	<small>&lt;5</small> 44.1	<small>5-9</small> 37.3	<small>10-19</small> 8.5	<small>20-39</small> 5.9	<small>&gt;39</small> 4.2