

# State of 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,%	3.2	6.1	<small>&lt;1.0</small> 1.9	<small>1.0-2.5</small> 61.1	<small>2.5-5.0</small> 32.7	<small>5.0-7.0</small> 1.6	<small>7.0+</small> 2.8
Phosphorus (P1), ppm	57	53	<small>&lt;10</small> 3.3	<small>10-20</small> 12.3	<small>20-30</small> 15.6	<small>30-50</small> 26.6	<small>50+</small> 42.2
Phosphorus (P2), ppm	92	59	<small>&lt;14</small> 2.0	<small>14-29</small> 6.6	<small>29-44</small> 8.5	<small>44-74</small> 25.4	<small>74+</small> 57.4
Bicarbonate P, ppm	34	36	<small>&lt;5</small> 7.1	<small>5-15</small> 35.7	<small>15-25</small> 17.9	<small>25-45</small> 17.9	<small>45+</small> 21.4
Potassium (K), ppm	134	68					
K, % Base Saturation	4.4	2.2	<small>&lt;1.07</small> 1.4	<small>1.07-2.13</small> 9.7	<small>2.14-4.26</small> 50.9	<small>4.27-6.39</small> 29.8	<small>&gt;6.39</small> 8.6
Magnesium (Mg), ppm	191	111					
Mg, % Base Saturation	18.2	5.6	<small>&lt;5</small> 0.7	<small>5-10</small> 6.1	<small>10-15</small> 22.7	<small>15-25</small> 59.7	<small>25+</small> 10.7
Calcium (Ca), ppm	1271	1027					
Ca, % Base Saturation	67.5	12.1	<small>&lt;45</small> 4.5	<small>45-55</small> 11.0	<small>55-75</small> 55.1	<small>75-85</small> 25.2	<small>85+</small> 4.2
pH (1:1)	6.8	0.7	<small>&lt;5.1</small> 0.7	<small>5.1-5.8</small> 7.7	<small>5.9-6.0</small> 51.4	<small>7.0-7.5</small> 26.7	<small>&gt;7.5</small> 13.4
CEC, meq/100g	9.0	5.7	<small>&lt;3.1</small> 2.7	<small>3.1-8.0</small> 48.8	<small>8.1-15.0</small> 39.6	<small>15.1-25.0</small> 7.1	<small>&gt;25.0</small> 1.8
Sulfur (S), ppm	11	17.9	<small>&lt;4</small> 0.7	<small>4-7</small> 37.1	<small>8-12</small> 47.3	<small>13-17</small> 8.5	<small>&gt;17</small> 6.4
Zinc (Zn), ppm	4.9	4.1	<small>&lt;1.0</small> 33.0	<small>1.1-2.9</small> 31.8	<small>3.0-4.9</small> 28.6	<small>5.0-10.0</small> 6.5	<small>&gt;10.0</small>
Manganese (Mn), ppm	35	14	<small>&lt;6</small> 2.3	<small>6-14</small> 7.6	<small>15-19</small> 14.2	<small>20-49</small> 65.0	<small>&gt;49</small> 10.9
Iron (Fe), ppm	42	24		<small>&lt;5</small> 0.5	<small>5-9</small> 0.6	<small>10-50</small> 74.0	<small>&gt;50</small> 24.9
Copper (Cu), ppm	2.0	1.9		<small>&lt;0.4</small> 0.5	<small>0.4-1.1</small> 35.8	<small>1.2-3.0</small> 49.4	<small>&gt;3.0</small> 14.2
Boron (B), ppm	0.7	1.3	<small>&lt;0.4</small> 34.3	<small>0.4-0.5</small> 20.1	<small>0.6-1.2</small> 34.4	<small>1.3-2.5</small> 10.0	<small>&gt;2.5</small> 1.1
Nitrate (NO <sub>3</sub> -N), ppm	22.5	29.6	<small>&lt;5</small> 15.2	<small>5-9</small> 16.2	<small>10-19</small> 26.8	<small>20-39</small> 26.3	<small>&gt;39</small> 15.5
Ammonium (NH <sub>4</sub> -N), ppm	11.4	67.4	<small>&lt;5</small> 59.3	<small>5-9</small> 29.4	<small>10-19</small> 3.9	<small>20-39</small> 1.7	<small>&gt;39</small> 5.6