

State of Michigan

2017 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,%	2.9	4.7	<small><1.0</small> 1.8	<small>1.0-2.5</small> 59.5	<small>2.5-5.0</small> 34.4	<small>5.0-7.0</small> 1.9	<small>7.0+</small> 2.5
Phosphorus (P1), ppm	57	55	<small><10</small> 3.8	<small>10-20</small> 13.0	<small>20-30</small> 15.9	<small>30-50</small> 26.2	<small>50+</small> 41.0
Phosphorus (P2), ppm	79	71	<small><14</small> 2.8	<small>14-29</small> 13.6	<small>29-44</small> 17.0	<small>44-74</small> 27.8	<small>74+</small> 38.9
Bicarbonate P, ppm	15	42	<small><5</small> 35.4	<small>5-15</small> 47.9	<small>15-25</small> 8.3	<small>25-45</small> 6.3	<small>45+</small> 2.1
Potassium (K), ppm	132	68					
K, % Base Saturation	4.5	2.3	<small><1.09</small> 1.5	<small>1.09-2.16</small> 10.5	<small>2.17-4.33</small> 51.3	<small>4.34-6.49</small> 28.8	<small>>6.49</small> 8.3
Magnesium (Mg), ppm	188	116					
Mg, % Base Saturation	18.3	5.7	<small><5</small> 0.7	<small>5-10</small> 6.2	<small>10-15</small> 21.9	<small>15-25</small> 59.8	<small>25+</small> 11.3
Calcium (Ca), ppm	1237	1106					
Ca, % Base Saturation	66.8	12.7	<small><45</small> 5.6	<small>45-55</small> 11.6	<small>55-75</small> 54.9	<small>75-85</small> 23.7	<small>85+</small> 4.2
pH (1:1)	6.7	0.7	<small><5.1</small> 1.2	<small>5.1-5.8</small> 8.7	<small>5.9-6.0</small> 50.7	<small>7.0-7.5</small> 26.2	<small>>7.5</small> 13.2
CEC, meq/100g	8.8	5.8	<small><3.1</small> 3.4	<small>3.1-8.0</small> 49.6	<small>8.1-15.0</small> 38.8	<small>15.1-25.0</small> 6.9	<small>>25.0</small> 1.3
Sulfur (S), ppm	10	42.0	<small><4</small> 0.8	<small>4-7</small> 47.3	<small>8-12</small> 40.6	<small>13-17</small> 6.0	<small>>17</small> 5.1
Zinc (Zn), ppm	4.6	4.3	<small><1.0</small> 37.1	<small>1.1-2.9</small> 32.5	<small>3.0-4.9</small> 24.8	<small>5.0-10.0</small> 5.5	<small>>10.0</small>
Manganese (Mn), ppm	34	14	<small><6</small> 3.2	<small>6-14</small> 7.9	<small>15-19</small> 14.4	<small>20-49</small> 63.4	<small>>49</small> 11.0
Iron (Fe), ppm	41	24		<small><5</small> 0.8	<small>5-9</small> 0.8	<small>10-50</small> 74.5	<small>>50</small> 23.8
Copper (Cu), ppm	1.7	1.8		<small><0.4</small> 0.4	<small>0.4-1.1</small> 42.7	<small>1.2-3.0</small> 47.1	<small>>3.0</small> 9.7
Boron (B), ppm	0.5	0.8	<small><0.4</small> 42.7	<small>0.4-0.5</small> 21.1	<small>0.6-1.2</small> 29.4	<small>1.3-2.5</small> 6.3	<small>>2.5</small> 0.3
Nitrate (NO ₃ -N), ppm	22.5	26.2	<small><5</small> 18.1	<small>5-9</small> 16.1	<small>10-19</small> 23.4	<small>20-39</small> 26.1	<small>>39</small> 16.2
Ammonium (NH ₄ -N), ppm	7.1	39.4	<small><5</small> 70.9	<small>5-9</small> 19.4	<small>10-19</small> 4.7	<small>20-39</small> 3.9	<small>>39</small> 1.0