

Southern 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	4.8	<small><1.0</small> 2.7	<small>1.0-2.5</small> 63.1	<small>2.5-5.0</small> 29.6	<small>5.0-7.0</small> 1.7	<small>7.0+</small> 2.8
Phosphorus (P1), ppm	64	66	<small><10</small> 3.7	<small>10-20</small> 13.3	<small>20-30</small> 15.9	<small>30-50</small> 23.9	<small>50+</small> 43.2
Phosphorus (P2), ppm	63	61	<small><14</small> 3.4	<small>14-29</small> 21.0	<small>29-44</small> 23.7	<small>44-74</small> 27.9	<small>74+</small> 24.0
Bicarbonate P, ppm	7	1	<small><5</small>	<small>5-15</small> 100.0	<small>15-25</small>	<small>25-45</small>	<small>45+</small>
Potassium (K), ppm	124	59					
K, % Base Saturation	4.8	2.5	<small><1.21</small> 1.5	<small>1.21-2.39</small> 11.3	<small>2.40-4.79</small> 54.6	<small>4.80-7.18</small> 25.8	<small>>7.18</small> 7.2
Magnesium (Mg), ppm	165	100					
Mg, % Base Saturation	18.0	5.8	<small><5</small> 0.9	<small>5-10</small> 6.5	<small>10-15</small> 23.8	<small>15-25</small> 57.4	<small>25+</small> 11.5
Calcium (Ca), ppm	1032	870					
Ca, % Base Saturation	63.3	13.3	<small><45</small> 8.5	<small>45-55</small> 16.0	<small>55-75</small> 56.6	<small>75-85</small> 16.4	<small>85+</small> 2.6
pH (1:1)	6.5	0.6	<small><5.1</small> 2.1	<small>5.1-5.8</small> 11.7	<small>5.9-6.0</small> 61.6	<small>7.0-7.5</small> 20.8	<small>>7.5</small> 3.8
CEC, meq/100g	7.8	4.9	<small><3.1</small> 4.6	<small>3.1-8.0</small> 59.8	<small>8.1-15.0</small> 29.5	<small>15.1-25.0</small> 5.2	<small>>25.0</small> 1.0
Sulfur (S), ppm	10	14.5	<small><4</small> 0.9	<small>4-7</small> 51.4	<small>8-12</small> 35.9	<small>13-17</small> 5.5	<small>>17</small> 6.2
Zinc (Zn), ppm	4.4	4.7	<small><1.0</small>	<small>1.1-2.9</small> 42.4	<small>3.0-4.9</small> 31.6	<small>5.0-10.0</small> 20.5	<small>>10.0</small> 5.5
Manganese (Mn), ppm	36	16	<small><6</small> 4.4	<small>6-14</small> 8.0	<small>15-19</small> 10.6	<small>20-49</small> 60.4	<small>>49</small> 16.6
Iron (Fe), ppm	44	25		<small><5</small> 0.5	<small>5-9</small> 0.6	<small>10-50</small> 70.7	<small>>50</small> 28.1
Copper (Cu), ppm	1.7	1.8		<small><0.4</small> 0.2	<small>0.4-1.1</small> 45.8	<small>1.2-3.0</small> 44.4	<small>>3.0</small> 9.5
Boron (B), ppm	0.4	0.4	<small><0.4</small> 54.5	<small>0.4-0.5</small> 22.7	<small>0.6-1.2</small> 20.0	<small>1.3-2.5</small> 2.5	<small>>2.5</small> 0.2
Nitrate (NO ₃ -N), ppm	25.1	22.9	<small><5</small> 8.3	<small>5-9</small> 16.7	<small>10-19</small> 27.3	<small>20-39</small> 28.5	<small>>39</small> 19.2
Ammonium (NH ₄ -N), ppm	5.6	8.6	<small><5</small> 61.8	<small>5-9</small> 25.3	<small>10-19</small> 7.1	<small>20-39</small> 5.4	<small>>39</small> 0.4