

State of Michigan

2016 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	4.3	<small><1.0</small> 1.8	<small>1.0-2.5</small> 58.0	<small>2.5-5.0</small> 35.6	<small>5.0-7.0</small> 2.0	<small>7.0+</small> 2.5
Phosphorus (P1), ppm	61	70	<small><10</small> 4.0	<small>10-20</small> 12.8	<small>20-30</small> 15.5	<small>30-50</small> 25.8	<small>50+</small> 41.8
Phosphorus (P2), ppm	89	107	<small><14</small> 3.5	<small>14-29</small> 13.8	<small>29-44</small> 19.1	<small>44-74</small> 22.9	<small>74+</small> 40.7
Bicarbonate P, ppm	77	107	<small><5</small> 9.1	<small>5-15</small> 45.5	<small>15-25</small>	<small>25-45</small> 9.1	<small>45+</small> 36.4
Potassium (K), ppm	133	88					
K, % Base Saturation	4.4	2.3	<small><1.07</small> 1.5	<small>1.07-2.12</small> 10.9	<small>2.13-4.24</small> 50.7	<small>4.25-6.36</small> 29.1	<small>6.36+</small> 8.2
Magnesium (Mg), ppm	194	114					
Mg, % Base Saturation	18.3	5.7	<small><5</small> 0.9	<small>5-10</small> 6.2	<small>10-15</small> 21.4	<small>15-25</small> 60.3	<small>25+</small> 11.1
Calcium (Ca), ppm	1271	981					
Ca, % Base Saturation	66.9	13.4	<small><45</small> 6.4	<small>45-55</small> 11.6	<small>55-75</small> 52.1	<small>75-85</small> 25.2	<small>85+</small> 4.7
pH (1:1)	6.8	0.7	<small><5.1</small> 1.7	<small>5.1-5.8</small> 9.0	<small>5.9-6.0</small> 47.2	<small>7.0-7.5</small> 26.5	<small>>7.5</small> 15.7
CEC, meq/100g	9.0	5.4	<small><3.1</small> 3.2	<small>3.1-8.0</small> 47.2	<small>8.1-15.0</small> 40.1	<small>15.1-25.0</small> 8.1	<small>>25.0</small> 1.5
Sulfur (S), ppm	10	27.3	<small><4</small> 1.3	<small>4-7</small> 44.9	<small>8-12</small> 40.3	<small>13-17</small> 7.2	<small>>17</small> 6.3
Zinc (Zn), ppm	4.8	4.4	<small><1.0</small>	<small>1.1-2.9</small> 36.1	<small>3.0-4.9</small> 33.5	<small>5.0-10.0</small> 24.3	<small>>10.0</small> 6.1
Manganese (Mn), ppm	34	14	<small><6</small> 4.3	<small>6-14</small> 8.2	<small>15-19</small> 14.6	<small>20-49</small> 62.3	<small>>49</small> 10.7
Iron (Fe), ppm	39	23		<small><5</small> 0.3	<small>5-9</small> 0.8	<small>10-50</small> 77.5	<small>>50</small> 21.4
Copper (Cu), ppm	1.7	1.7		<small><0.4</small> 0.4	<small>0.4-1.1</small> 45.5	<small>1.2-3.0</small> 44.1	<small>>3.0</small> 10.0
Boron (B), ppm	0.5	0.8	<small><0.4</small> 53.4	<small>0.4-0.5</small> 17.9	<small>0.6-1.2</small> 24.0	<small>1.3-2.5</small> 4.5	<small>>2.5</small> 0.3
Nitrate (NO ₃ -N), ppm	28.7	29.2	<small><5</small> 16.6	<small>5-9</small> 13.5	<small>10-19</small> 16.6	<small>20-39</small> 25.0	<small>>39</small> 28.4
Ammonium (NH ₄ -N), ppm	4.2	9.7	<small><5</small> 81.0	<small>5-9</small> 16.2	<small>10-19</small> 1.3	<small>20-39</small> 0.6	<small>>39</small> 1.0