



# State of Ohio

## 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,%	3.5	2.4	<small>&lt;1.0</small> 0.1	<small>1.0-2.5</small> 20.5	<small>2.5-5.0</small> 73.6	<small>5.0-7.0</small> 5.0	<small>7.0+</small> 0.9
Phosphorus (P1), ppm	38	44	<small>&lt;10</small> 7.9	<small>10-20</small> 24.4	<small>20-30</small> 22.6	<small>30-50</small> 24.7	<small>50+</small> 20.4
Phosphorus (P2), ppm	65	75	<small>&lt;14</small> 6.6	<small>14-29</small> 16.9	<small>29-44</small> 21.9	<small>44-74</small> 25.8	<small>74+</small> 28.7
Bicarbonate P, ppm	52	50	<small>&lt;5</small> 14.3	<small>5-15</small> 28.6	<small>15-25</small> 14.3	<small>25-45</small>	<small>45+</small> 42.9
Potassium (K), ppm	148	59					
K, % Base Saturation	3.2	1.4	<small>&lt;0.81</small> 0.8	<small>0.81-1.61</small> 5.1	<small>1.62-3.21</small> 53.5	<small>3.22-4.82</small> 34.6	<small>&gt;4.82</small> 6.6
Magnesium (Mg), ppm	312	130					
Mg, % Base Saturation	20.5	5.9	<small>&lt;5</small> 0.1	<small>5-10</small> 1.7	<small>10-15</small> 15.1	<small>15-25</small> 61.8	<small>25+</small> 21.3
Calcium (Ca), ppm	1635	703					
Ca, % Base Saturation	63.0	10.4	<small>&lt;45</small> 5.1	<small>45-55</small> 15.2	<small>55-75</small> 67.9	<small>75-85</small> 10.3	<small>85+</small> 1.4
pH (1:1)	6.5	0.6	<small>&lt;5.1</small> 0.8	<small>5.1-5.8</small> 13.3	<small>5.9-6.0</small> 64.4	<small>7.0-7.5</small> 17.3	<small>&gt;7.5</small> 4.3
CEC, meq/100g	12.8	4.4	<small>&lt;3.1</small> 0.3	<small>3.1-8.0</small> 13.4	<small>8.1-15.0</small> 55.9	<small>15.1-25.0</small> 29.8	<small>&gt;25.0</small> 0.6
Sulfur (S), ppm	10	29.8	<small>&lt;4</small> 0.9	<small>4-7</small> 43.2	<small>8-12</small> 46.3	<small>13-17</small> 5.7	<small>&gt;17</small> 3.8
Zinc (Zn), ppm	3.5	5.0	<small>&lt;1.0</small>	<small>1.1-2.9</small> 57.6	<small>3.0-4.9</small> 31.0	<small>5.0-10.0</small> 9.5	<small>&gt;10.0</small> 1.9
Manganese (Mn), ppm	29	14	<small>&lt;6</small> 1.5	<small>6-14</small> 17.6	<small>15-19</small> 27.3	<small>20-49</small> 47.5	<small>&gt;49</small> 6.2
Iron (Fe), ppm	50	25		<small>&lt;5</small> 0.2	<small>5-9</small> 0.8	<small>10-50</small> 56.2	<small>&gt;50</small> 42.8
Copper (Cu), ppm	2.3	1.2		<small>&lt;0.4</small>	<small>0.4-1.1</small> 11.8	<small>1.2-3.0</small> 70.1	<small>&gt;3.0</small> 18.1
Boron (B), ppm	0.6	0.6	<small>&lt;0.4</small> 28.6	<small>0.4-0.5</small> 23.9	<small>0.6-1.2</small> 43.5	<small>1.3-2.5</small> 3.9	<small>&gt;2.5</small> 0.2
Nitrate (NO <sub>3</sub> -N), ppm	23.2	27.5	<small>&lt;5</small> 20.8	<small>5-9</small> 10.6	<small>10-19</small> 21.4	<small>20-39</small> 31.6	<small>&gt;39</small> 15.5
Ammonium (NH <sub>4</sub> -N), ppm	5.4	5.2	<small>&lt;5</small> 45.8	<small>5-9</small> 46.1	<small>10-19</small> 5.2	<small>20-39</small> 2.6	<small>&gt;39</small> 0.3