

# Southern Ohio

## 2020 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	1.3	<small>&lt;1.0</small> 0.1	<small>1.0-2.5</small> 22.1	<small>2.5-5.0</small> 73.3	<small>5.0-7.0</small> 4.0	<small>7.0+</small> 0.6
Phosphorus (P1), ppm	31	30	<small>&lt;10</small> 10.3	<small>10-20</small> 29.8	<small>20-30</small> 24.1	<small>30-50</small> 21.4	<small>50+</small> 14.5
Phosphorus (P2), ppm	224	138	<small>&lt;14</small>	<small>14-29</small>	<small>29-44</small>	<small>44-74</small> 5.3	<small>74+</small> 94.7
Bicarbonate P, ppm	189	58	<small>&lt;5</small>	<small>5-15</small>	<small>15-25</small>	<small>25-45</small>	<small>45+</small> 100.0
Potassium (K), ppm	123	55					
K, % Base Saturation	3.6	1.6	<small>&lt;1.04</small> 1.1	<small>1.04-2.06</small> 11.0	<small>2.07-4.12</small> 60.1	<small>4.13-6.19</small> 23.0	<small>&gt;6.19</small> 5.6
Magnesium (Mg), ppm	233	97					
Mg, % Base Saturation	20.8	5.0	<small>&lt;5</small> 0.1	<small>5-10</small> 1.5	<small>10-15</small> 9.6	<small>15-25</small> 70.3	<small>25+</small> 18.5
Calcium (Ca), ppm	1209	521					
Ca, % Base Saturation	63.9	9.6	<small>&lt;45</small> 3.8	<small>45-55</small> 10.7	<small>55-75</small> 75.1	<small>75-85</small> 9.2	<small>85+</small> 1.2
pH (1:1)	6.6	0.5	<small>&lt;5.1</small> 0.5	<small>5.1-5.8</small> 9.9	<small>5.9-6.9</small> 65.9	<small>7.0-7.5</small> 20.9	<small>&gt;7.5</small> 2.8
CEC, meq/100g	9.3	3.2	<small>&lt;3.1</small>	<small>3.1-8.0</small> 42.2	<small>8.1-15.0</small> 51.2	<small>15.1-25.0</small> 6.4	<small>&gt;25.0</small> 0.2
Sulfur (S), ppm	8	5.2	<small>&lt;4</small> 2.8	<small>4-7</small> 50.6	<small>8-12</small> 39.7	<small>13-17</small> 5.2	<small>&gt;17</small> 1.7
Zinc (Zn), ppm	3.3	3.0	<small>&lt;1.0</small>	<small>1.1-2.9</small> 60.5	<small>3.0-4.9</small> 28.2	<small>5.0-10.0</small> 10.0	<small>&gt;10.0</small> 1.3
Manganese (Mn), ppm	47	16	<small>&lt;6</small> 0.1	<small>6-14</small> 2.0	<small>15-19</small> 6.9	<small>20-49</small> 52.5	<small>&gt;49</small> 38.6
Iron (Fe), ppm	41	21		<small>&lt;5</small>	<small>5-9</small> 0.3	<small>10-50</small> 75.4	<small>&gt;50</small> 24.3
Copper (Cu), ppm	1.8	0.9		<small>&lt;0.4</small>	<small>0.4-1.1</small> 20.6	<small>1.2-3.0</small> 72.9	<small>&gt;3.0</small> 6.5
Boron (B), ppm	0.4	0.3	<small>&lt;0.4</small> 43.2	<small>0.4-0.5</small> 30.5	<small>0.6-1.2</small> 25.2	<small>1.3-2.5</small> 1.0	<small>&gt;2.5</small> 0.1
Nitrate (NO <sub>3</sub> -N), ppm	31.2	25.9	<small>&lt;5</small> 5.4	<small>5-9</small> 17.9	<small>10-19</small> 21.4	<small>20-39</small> 23.2	<small>&gt;39</small> 32.1
Ammonium (NH <sub>4</sub> -N), ppm	26.5	41.1	<small>&lt;5</small> 38.0	<small>5-9</small> 22.0	<small>10-19</small> 4.0	<small>20-39</small> 6.0	<small>&gt;39</small> 30.0