

# Southern Indiana

## 2018 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,%	2.6	1.0	<small>&lt;1.0</small> 1.2	<small>1.0-2.5</small> 53.3	<small>2.5-5.0</small> 43.9	<small>5.0-7.0</small> 1.4	<small>7.0+</small> 0.3
Phosphorus (P1), ppm	35	37	<small>&lt;10</small> 10.4	<small>10-20</small> 24.5	<small>20-30</small> 22.0	<small>30-50</small> 24.6	<small>50+</small> 18.5
Phosphorus (P2), ppm	53	81	<small>&lt;14</small> 42.3	<small>14-29</small> 17.0	<small>29-44</small> 7.5	<small>44-74</small> 12.0	<small>74+</small> 21.1
Bicarbonate P, ppm	21	13	<small>&lt;5</small>	<small>5-15</small> 44.4	<small>15-25</small> 22.2	<small>25-45</small> 22.2	<small>45+</small> 11.1
Potassium (K), ppm	127	59					
K, % Base Saturation	3.5	1.7	<small>&lt;0.97</small> 1.9	<small>0.97-1.92</small> 9.4	<small>1.93-3.84</small> 60.4	<small>3.85-5.77</small> 25.2	<small>5.77+</small> 4.7
Magnesium (Mg), ppm	223	126					
Mg, % Base Saturation	17.8	6.3	<small>&lt;5</small> 0.2	<small>5-10</small> 9.1	<small>10-15</small> 28.3	<small>15-25</small> 48.1	<small>25+</small> 14.2
Calcium (Ca), ppm	1348	626					
Ca, % Base Saturation	65.7	10.4	<small>&lt;45</small> 3.4	<small>45-55</small> 11.0	<small>55-75</small> 68.7	<small>75-85</small> 14.0	<small>85+</small> 2.9
pH (1:1)	6.5	0.6	<small>&lt;5.1</small> 0.5	<small>5.1-5.8</small> 11.2	<small>5.9-6.0</small> 68.6	<small>7.0-7.5</small> 16.0	<small>&gt;7.5</small> 3.6
CEC, meq/100g	10.2	4.0	<small>&lt;3.1</small> 0.6	<small>3.1-8.0</small> 30.7	<small>8.1-15.0</small> 57.7	<small>15.1-25.0</small> 10.6	<small>&gt;25.0</small> 0.4
Sulfur (S), ppm	8	7.0	<small>&lt;4</small> 1.5	<small>4-7</small> 55.0	<small>8-12</small> 39.9	<small>13-17</small> 2.8	<small>&gt;17</small> 0.8
Zinc (Zn), ppm	3.2	3.1	<small>&lt;1.0</small>	<small>1.1-2.9</small> 67.0	<small>3.0-4.9</small> 21.7	<small>5.0-10.0</small> 8.4	<small>&gt;10.0</small> 3.0
Manganese (Mn), ppm	53	18	<small>&lt;6</small>	<small>6-14</small> 0.6	<small>15-19</small> 3.1	<small>20-49</small> 42.5	<small>&gt;49</small> 53.8
Iron (Fe), ppm	45	29		<small>&lt;5</small> 0.3	<small>5-9</small> 1.8	<small>10-50</small> 66.1	<small>&gt;50</small> 31.8
Copper (Cu), ppm	1.6	1.2		<small>&lt;0.4</small> 0.1	<small>0.4-1.1</small> 45.4	<small>1.2-3.0</small> 45.4	<small>&gt;3.0</small> 9.2
Boron (B), ppm	0.4	0.3	<small>&lt;0.4</small> 49.6	<small>0.4-0.5</small> 29.4	<small>0.6-1.2</small> 19.8	<small>1.3-2.5</small> 1.2	<small>&gt;2.5</small> 0.1
Nitrate (NO <sub>3</sub> -N), ppm	20.2	20.3	<small>&lt;5</small> 15.1	<small>5-9</small> 23.0	<small>10-19</small> 22.3	<small>20-39</small> 24.9	<small>&gt;39</small> 14.6
Ammonium (NH <sub>4</sub> -N), ppm	8.1	14.9	<small>&lt;5</small> 47.9	<small>5-9</small> 34.4	<small>10-19</small> 10.7	<small>20-39</small> 3.8	<small>&gt;39</small> 3.2