

Southern Indiana

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,%	2.6	1.0	<small><1.0</small> 1.0	<small>1.0-2.5</small> 53.8	<small>2.5-5.0</small> 43.2	<small>5.0-7.0</small> 1.7	<small>7.0+</small> 0.3
Phosphorus (P1), ppm	34	36	<small><10</small> 10.6	<small>10-20</small> 23.9	<small>20-30</small> 22.6	<small>30-50</small> 25.3	<small>50+</small> 17.6
Phosphorus (P2), ppm	56	101	<small><14</small> 35.2	<small>14-29</small> 25.4	<small>29-44</small> 14.1	<small>44-74</small> 8.7	<small>74+</small> 16.5
Bicarbonate P, ppm	41	18	<small><5</small> 0.4	<small>5-15</small> 4.2	<small>15-25</small> 10.5	<small>25-45</small> 53.2	<small>45+</small> 31.8
Potassium (K), ppm	124	53					
K, % Base Saturation	3.5	1.6	<small><0.99</small> 2.4	<small>0.99-1.96</small> 11.1	<small>1.97-3.92</small> 60.0	<small>3.93-5.88</small> 24.2	<small>>5.88</small> 4.3
Magnesium (Mg), ppm	216	125					
Mg, % Base Saturation	17.7	6.4	<small><5</small> 0.3	<small>5-10</small> 10.7	<small>10-15</small> 26.8	<small>15-25</small> 48.0	<small>25+</small> 14.1
Calcium (Ca), ppm	1303	596					
Ca, % Base Saturation	65.2	10.8	<small><45</small> 4.1	<small>45-55</small> 12.1	<small>55-75</small> 67.4	<small>75-85</small> 13.2	<small>85+</small> 3.3
pH (1:1)	6.5	0.6	<small><5.1</small> 0.7	<small>5.1-5.8</small> 12.9	<small>5.9-6.0</small> 67.1	<small>7.0-7.5</small> 15.8	<small>>7.5</small> 3.5
CEC, meq/100g	9.9	3.9	<small><3.1</small> 0.6	<small>3.1-8.0</small> 34.5	<small>8.1-15.0</small> 54.3	<small>15.1-25.0</small> 10.2	<small>>25.0</small> 0.3
Sulfur (S), ppm	7	13.2	<small><4</small> 1.7	<small>4-7</small> 64.3	<small>8-12</small> 30.0	<small>13-17</small> 2.4	<small>>17</small> 1.6
Zinc (Zn), ppm	3.0	3.7	<small><1.0</small>	<small>1.1-2.9</small> 69.9	<small>3.0-4.9</small> 20.6	<small>5.0-10.0</small> 7.4	<small>>10.0</small> 2.0
Manganese (Mn), ppm	51	18	<small><6</small>	<small>6-14</small> 0.7	<small>15-19</small> 4.2	<small>20-49</small> 47.9	<small>>49</small> 47.0
Iron (Fe), ppm	43	28		<small><5</small> 0.9	<small>5-9</small> 2.9	<small>10-50</small> 67.3	<small>>50</small> 28.9
Copper (Cu), ppm	1.6	1.3		<small><0.4</small>	<small>0.4-1.1</small> 43.3	<small>1.2-3.0</small> 49.8	<small>>3.0</small> 6.8
Boron (B), ppm	0.4	0.3	<small><0.4</small> 51.6	<small>0.4-0.5</small> 28.3	<small>0.6-1.2</small> 18.6	<small>1.3-2.5</small> 1.3	<small>>2.5</small>
Nitrate (NO ₃ -N), ppm	20.0	30.1	<small><5</small> 9.5	<small>5-9</small> 23.9	<small>10-19</small> 33.3	<small>20-39</small> 23.3	<small>>39</small> 9.9
Ammonium (NH ₄ -N), ppm	9.0	39.7	<small><5</small> 62.9	<small>5-9</small> 24.3	<small>10-19</small> 5.9	<small>20-39</small> 4.0	<small>>39</small> 2.9