

Southern Indiana

2019 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	1.6	<small><1.0</small> 1.1	<small>1.0-2.5</small> 53.2	<small>2.5-5.0</small> 44.0	<small>5.0-7.0</small> 1.2	<small>7.0+</small> 0.4
Phosphorus (P1), ppm	34	45	<small><10</small> 10.6	<small>10-20</small> 26.1	<small>20-30</small> 22.7	<small>30-50</small> 23.2	<small>50+</small> 17.3
Phosphorus (P2), ppm	49	74	<small><14</small> 31.5	<small>14-29</small> 19.4	<small>29-44</small> 14.9	<small>44-74</small> 15.8	<small>74+</small> 18.5
Bicarbonate P, ppm	17	13	<small><5</small> 28.6	<small>5-15</small> 28.6	<small>15-25</small> 14.3	<small>25-45</small> 28.6	<small>45+</small>
Potassium (K), ppm	120	49					
K, % Base Saturation	3.4	1.5	<small><1.01</small> 0.8	<small>1.01-2.00</small> 9.8	<small>2.01-4.00</small> 65.6	<small>4.01-6.00</small> 21.0	<small>>6.00</small> 3.4
Magnesium (Mg), ppm	207	120					
Mg, % Base Saturation	17.4	6.3	<small><5</small> 0.3	<small>5-10</small> 11.6	<small>10-15</small> 27.8	<small>15-25</small> 47.2	<small>25+</small> 13.0
Calcium (Ca), ppm	1297	594					
Ca, % Base Saturation	66.3	10.5	<small><45</small> 3.0	<small>45-55</small> 10.4	<small>55-75</small> 68.6	<small>75-85</small> 14.3	<small>85+</small> 3.7
pH (1:1)	6.5	0.6	<small><5.1</small> 0.5	<small>5.1-5.8</small> 10.8	<small>5.9-6.9</small> 68.5	<small>7.0-7.5</small> 16.9	<small>>7.5</small> 3.3
CEC, meq/100g	9.7	3.7	<small><3.1</small> 0.5	<small>3.1-8.0</small> 34.9	<small>8.1-15.0</small> 56.5	<small>15.1-25.0</small> 7.8	<small>>25.0</small> 0.3
Sulfur (S), ppm	7	5.2	<small><4</small> 3.5	<small>4-7</small> 61.4	<small>8-12</small> 31.5	<small>13-17</small> 2.5	<small>>17</small> 1.0
Zinc (Zn), ppm	3.3	4.8	<small><1.0</small> 	<small>1.1-2.9</small> 64.7	<small>3.0-4.9</small> 23.1	<small>5.0-10.0</small> 9.4	<small>>10.0</small> 2.8
Manganese (Mn), ppm	53	19	<small><6</small> 0.2	<small>6-14</small> 0.9	<small>15-19</small> 4.0	<small>20-49</small> 42.8	<small>>49</small> 52.2
Iron (Fe), ppm	41	26		<small><5</small> 0.6	<small>5-9</small> 2.1	<small>10-50</small> 71.9	<small>>50</small> 25.5
Copper (Cu), ppm	1.5	1.2		<small><0.4</small> 0.3	<small>0.4-1.1</small> 44.2	<small>1.2-3.0</small> 51.1	<small>>3.0</small> 4.4
Boron (B), ppm	0.4	0.3	<small><0.4</small> 52.0	<small>0.4-0.5</small> 27.3	<small>0.6-1.2</small> 19.6	<small>1.3-2.5</small> 1.1	<small>>2.5</small>
Nitrate (NO ₃ -N), ppm	21.6	14.8	<small><5</small> 4.0	<small>5-9</small> 13.7	<small>10-19</small> 33.9	<small>20-39</small> 37.5	<small>>39</small> 10.9
Ammonium (NH ₄ -N), ppm	5.0	3.8	<small><5</small> 38.2	<small>5-9</small> 51.3	<small>10-19</small> 8.0	<small>20-39</small> 1.3	<small>>39</small> 1.3