



Southwest 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	1.3	<small><1.0</small> 1.6	<small>1.0-2.5</small> 54.3	<small>2.5-5.0</small> 42.7	<small>5.0-7.0</small> 1.2	<small>7.0+</small> 0.2
Phosphorus (P1), ppm	36	54	<small><10</small> 9.6	<small>10-20</small> 26.5	<small>20-30</small> 22.8	<small>30-50</small> 22.8	<small>50+</small> 18.4
Phosphorus (P2), ppm	38	88	<small><14</small> 54.0	<small>14-29</small> 16.1	<small>29-44</small> 12.4	<small>44-74</small> 6.0	<small>74+</small> 11.4
Bicarbonate P, ppm	18	14	<small><5</small> 33.3	<small>5-15</small> 16.7	<small>15-25</small> 16.7	<small>25-45</small> 33.3	<small>45+</small>
Potassium (K), ppm	118	48					
K, % Base Saturation	3.4	1.5	<small><1.03</small> 0.5	<small>1.03-2.05</small> 9.4	<small>2.06-4.09</small> 67.8	<small>4.10-6.14</small> 19.2	<small>>6.14</small> 3.2
Magnesium (Mg), ppm	175	110					
Mg, % Base Saturation	15.0	5.4	<small><5</small> 0.3	<small>5-10</small> 15.0	<small>10-15</small> 42.8	<small>15-25</small> 36.4	<small>25+</small> 5.6
Calcium (Ca), ppm	1284	537					
Ca, % Base Saturation	67.9	10.3	<small><45</small> 2.4	<small>45-55</small> 8.3	<small>55-75</small> 67.2	<small>75-85</small> 17.4	<small>85+</small> 4.6
pH (1:1)	6.5	0.5	<small><5.1</small> 0.4	<small>5.1-5.8</small> 11.2	<small>5.9-6.9</small> 71.8	<small>7.0-7.5</small> 13.9	<small>>7.5</small> 2.6
CEC, meq/100g	9.4	3.5	<small><3.1</small> 0.8	<small>3.1-8.0</small> 36.5	<small>8.1-15.0</small> 56.4	<small>15.1-25.0</small> 6.0	<small>>25.0</small> 0.3
Sulfur (S), ppm	7	5.2	<small><4</small> 3.9	<small>4-7</small> 63.5	<small>8-12</small> 29.8	<small>13-17</small> 2.0	<small>>17</small> 0.8
Zinc (Zn), ppm	3.5	5.8	<small><1.0</small> 	<small>1.1-2.9</small> 62.7	<small>3.0-4.9</small> 24.1	<small>5.0-10.0</small> 9.6	<small>>10.0</small> 3.6
Manganese (Mn), ppm	57	20	<small><6</small> 	<small>6-14</small> 0.5	<small>15-19</small> 3.0	<small>20-49</small> 34.2	<small>>49</small> 62.2
Iron (Fe), ppm	42	26		<small><5</small> 0.9	<small>5-9</small> 2.7	<small>10-50</small> 68.5	<small>>50</small> 27.9
Copper (Cu), ppm	1.5	1.2		<small><0.4</small> 	<small>0.4-1.1</small> 38.9	<small>1.2-3.0</small> 56.5	<small>>3.0</small> 4.6
Boron (B), ppm	0.4	0.2	<small><0.4</small> 57.0	<small>0.4-0.5</small> 26.3	<small>0.6-1.2</small> 16.1	<small>1.3-2.5</small> 0.7	<small>>2.5</small>
Nitrate (NO ₃ -N), ppm	18.1	13.7	<small><5</small> 6.8	<small>5-9</small> 24.7	<small>10-19</small> 34.2	<small>20-39</small> 26.0	<small>>39</small> 8.2
Ammonium (NH ₄ -N), ppm	5.3	5.3	<small><5</small> 46.4	<small>5-9</small> 42.0	<small>10-19</small> 5.8	<small>20-39</small> 1.4	<small>>39</small> 4.3