

Southwest 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,%	2.5	0.8	<small><1.0</small> 1.8	<small>1.0-2.5</small> 56.4	<small>2.5-5.0</small> 40.7	<small>5.0-7.0</small> 0.9	<small>7.0+</small> 0.2
Phosphorus (P1), ppm	35	39	<small><10</small> 10.8	<small>10-20</small> 24.6	<small>20-30</small> 21.6	<small>30-50</small> 23.7	<small>50+</small> 19.3
Phosphorus (P2), ppm	55	101	<small><14</small> 35.3	<small>14-29</small> 26.3	<small>29-44</small> 13.7	<small>44-74</small> 8.4	<small>74+</small> 16.2
Bicarbonate P, ppm	38	25	<small><5</small>	<small>5-15</small> 33.3	<small>15-25</small>	<small>25-45</small> 16.7	<small>45+</small> 50.0
Potassium (K), ppm	121	53					
K, % Base Saturation	3.6	1.8	<small><1.05</small> 0.9	<small>1.05-2.09</small> 10.9	<small>2.10-4.17</small> 62.1	<small>4.18-6.26</small> 22.1	<small>>6.26</small> 4.6
Magnesium (Mg), ppm	163	95					
Mg, % Base Saturation	14.4	5.2	<small><5</small> 0.5	<small>5-10</small> 18.4	<small>10-15</small> 43.7	<small>15-25</small> 32.9	<small>25+</small> 4.6
Calcium (Ca), ppm	1245	526					
Ca, % Base Saturation	67.4	11.2	<small><45</small> 3.8	<small>45-55</small> 9.6	<small>55-75</small> 63.8	<small>75-85</small> 18.1	<small>85+</small> 4.8
pH (1:1)	6.4	0.6	<small><5.1</small> 0.9	<small>5.1-5.8</small> 14.3	<small>5.9-6.0</small> 67.6	<small>7.0-7.5</small> 14.2	<small>>7.5</small> 3.0
CEC, meq/100g	9.2	3.4	<small><3.1</small> 0.9	<small>3.1-8.0</small> 38.9	<small>8.1-15.0</small> 54.7	<small>15.1-25.0</small> 5.2	<small>>25.0</small> 0.2
Sulfur (S), ppm	8	6.8	<small><4</small> 1.4	<small>4-7</small> 60.9	<small>8-12</small> 31.6	<small>13-17</small> 4.0	<small>>17</small> 2.0
Zinc (Zn), ppm	3.1	3.2	<small><1.0</small>	<small>1.1-2.9</small> 65.7	<small>3.0-4.9</small> 22.2	<small>5.0-10.0</small> 9.9	<small>>10.0</small> 2.1
Manganese (Mn), ppm	58	20	<small><6</small>	<small>6-14</small> 0.3	<small>15-19</small> 3.4	<small>20-49</small> 34.2	<small>>49</small> 62.1
Iron (Fe), ppm	44	28		<small><5</small> 0.8	<small>5-9</small> 2.7	<small>10-50</small> 66.7	<small>>50</small> 29.7
Copper (Cu), ppm	1.5	1.0		<small><0.4</small>	<small>0.4-1.1</small> 42.2	<small>1.2-3.0</small> 52.4	<small>>3.0</small> 5.4
Boron (B), ppm	0.3	0.2	<small><0.4</small> 66.7	<small>0.4-0.5</small> 22.9	<small>0.6-1.2</small> 9.9	<small>1.3-2.5</small> 0.4	<small>>2.5</small>
Nitrate (NO ₃ -N), ppm	20.0	14.6	<small><5</small> 8.4	<small>5-9</small> 17.4	<small>10-19</small> 29.4	<small>20-39</small> 33.1	<small>>39</small> 11.7
Ammonium (NH ₄ -N), ppm	6.4	8.6	<small><5</small> 61.9	<small>5-9</small> 21.3	<small>10-19</small> 9.0	<small>20-39</small> 6.1	<small>>39</small> 1.6