

Southwest Indiana

2020 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	1.4	<small><1.0</small> 1.5	<small>1.0-2.5</small> 52.0	<small>2.5-5.0</small> 44.4	<small>5.0-7.0</small> 1.7	<small>7.0+</small> 0.4
Phosphorus (P1), ppm	36	44	<small><10</small> 11.7	<small>10-20</small> 26.1	<small>20-30</small> 22.0	<small>30-50</small> 22.2	<small>50+</small> 18.0
Phosphorus (P2), ppm	40	79	<small><14</small> 47.2	<small>14-29</small> 25.7	<small>29-44</small> 7.6	<small>44-74</small> 9.0	<small>74+</small> 10.4
Bicarbonate P, ppm	39	57	<small><5</small> 8.3	<small>5-15</small> 41.7	<small>15-25</small> 8.3	<small>25-45</small> 25.0	<small>45+</small> 16.7
Potassium (K), ppm	115	52					
K, % Base Saturation	3.4	1.6	<small><1.04</small> 0.4	<small>1.04-2.06</small> 13.2	<small>2.07-4.13</small> 64.4	<small>4.14-6.19</small> 18.7	<small>>6.19</small> 3.4
Magnesium (Mg), ppm	171	102					
Mg, % Base Saturation	14.8	5.1	<small><5</small> 0.5	<small>5-10</small> 15.8	<small>10-15</small> 42.3	<small>15-25</small> 36.9	<small>25+</small> 4.5
Calcium (Ca), ppm	1257	533					
Ca, % Base Saturation	67.2	10.7	<small><45</small> 3.2	<small>45-55</small> 9.7	<small>55-75</small> 65.8	<small>75-85</small> 16.8	<small>85+</small> 4.5
pH (1:1)	6.4	0.6	<small><5.1</small> 0.8	<small>5.1-5.8</small> 14.1	<small>5.9-6.9</small> 68.8	<small>7.0-7.5</small> 13.1	<small>>7.5</small> 3.2
CEC, meq/100g	9.3	3.5	<small><3.1</small> 0.8	<small>3.1-8.0</small> 38.8	<small>8.1-15.0</small> 53.7	<small>15.1-25.0</small> 6.4	<small>>25.0</small> 0.3
Sulfur (S), ppm	8	23.4	<small><4</small> 4.1	<small>4-7</small> 61.2	<small>8-12</small> 31.0	<small>13-17</small> 2.4	<small>>17</small> 1.2
Zinc (Zn), ppm	3.6	3.8	<small><1.0</small> 0.1	<small>1.1-2.9</small> 61.4	<small>3.0-4.9</small> 22.3	<small>5.0-10.0</small> 11.9	<small>>10.0</small> 4.3
Manganese (Mn), ppm	58	19	<small><6</small>	<small>6-14</small> 0.4	<small>15-19</small> 2.4	<small>20-49</small> 34.5	<small>>49</small> 62.7
Iron (Fe), ppm	46	28		<small><5</small> 0.2	<small>5-9</small> 1.1	<small>10-50</small> 64.2	<small>>50</small> 34.5
Copper (Cu), ppm	1.7	1.1		<small><0.4</small> 0.1	<small>0.4-1.1</small> 39.9	<small>1.2-3.0</small> 49.7	<small>>3.0</small> 10.3
Boron (B), ppm	0.4	8.0	<small><0.4</small> 61.8	<small>0.4-0.5</small> 23.6	<small>0.6-1.2</small> 14.0	<small>1.3-2.5</small> 0.6	<small>>2.5</small> 0.1
Nitrate (NO ₃ -N), ppm	7.0	4.9	<small><5</small> 26.1	<small>5-9</small> 52.2	<small>10-19</small> 17.4	<small>20-39</small> 4.3	<small>>39</small>
Ammonium (NH ₄ -N), ppm	2.5	1.3	<small><5</small> 72.2	<small>5-9</small> 27.8	<small>10-19</small>	<small>20-39</small>	<small>>39</small>