

Southern 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	1.2	<small><1.0</small> 1.1	<small>1.0-2.5</small> 53.1	<small>2.5-5.0</small> 44.0	<small>5.0-7.0</small> 1.5	<small>7.0+</small> 0.4
Phosphorus (P1), ppm	34	37	<small><10</small> 11.1	<small>10-20</small> 26.2	<small>20-30</small> 22.7	<small>30-50</small> 23.1	<small>50+</small> 17.0
Phosphorus (P2), ppm	75	81	<small><14</small> 25.2	<small>14-29</small> 16.8	<small>29-44</small> 5.2	<small>44-74</small> 11.1	<small>74+</small> 41.7
Bicarbonate P, ppm	31	42	<small><5</small> 7.7	<small>5-15</small> 34.6	<small>15-25</small> 19.2	<small>25-45</small> 23.1	<small>45+</small> 15.4
Potassium (K), ppm	117	65					
K, % Base Saturation	3.4	1.6	<small><1.03</small> 1.0	<small>1.03-2.05</small> 12.8	<small>2.06-4.09</small> 62.9	<small>4.10-6.14</small> 20.6	<small>>6.14</small> 3.3
Magnesium (Mg), ppm	201	112					
Mg, % Base Saturation	17.4	6.2	<small><5</small> 0.5	<small>5-10</small> 10.7	<small>10-15</small> 28.0	<small>15-25</small> 48.5	<small>25+</small> 12.3
Calcium (Ca), ppm	1244	563					
Ca, % Base Saturation	65.5	10.4	<small><45</small> 3.4	<small>45-55</small> 11.1	<small>55-75</small> 69.3	<small>75-85</small> 13.0	<small>85+</small> 3.3
pH (1:1)	6.5	0.6	<small><5.1</small> 0.7	<small>5.1-5.8</small> 12.4	<small>5.9-6.9</small> 67.9	<small>7.0-7.5</small> 15.3	<small>>7.5</small> 3.7
CEC, meq/100g	9.4	3.6	<small><3.1</small> 0.6	<small>3.1-8.0</small> 38.3	<small>8.1-15.0</small> 54.1	<small>15.1-25.0</small> 6.7	<small>>25.0</small> 0.3
Sulfur (S), ppm	8	21.9	<small><4</small> 4.2	<small>4-7</small> 61.9	<small>8-12</small> 30.3	<small>13-17</small> 2.4	<small>>17</small> 1.2
Zinc (Zn), ppm	3.4	3.4	<small><1.0</small> 0.1	<small>1.1-2.9</small> 63.0	<small>3.0-4.9</small> 23.1	<small>5.0-10.0</small> 10.4	<small>>10.0</small> 3.5
Manganese (Mn), ppm	51	18	<small><6</small> 0.1	<small>6-14</small> 0.9	<small>15-19</small> 4.3	<small>20-49</small> 45.6	<small>>49</small> 49.2
Iron (Fe), ppm	43	27		<small><5</small> 0.3	<small>5-9</small> 1.7	<small>10-50</small> 67.7	<small>>50</small> 30.3
Copper (Cu), ppm	1.6	1.1		<small><0.4</small> 0.3	<small>0.4-1.1</small> 42.6	<small>1.2-3.0</small> 47.6	<small>>3.0</small> 9.5
Boron (B), ppm	0.4	5.0	<small><0.4</small> 52.2	<small>0.4-0.5</small> 27.4	<small>0.6-1.2</small> 19.5	<small>1.3-2.5</small> 0.9	<small>>2.5</small> 0.1
Nitrate (NO ₃ -N), ppm	19.6	13.5	<small><5</small> 6.8	<small>5-9</small> 11.8	<small>10-19</small> 40.1	<small>20-39</small> 31.9	<small>>39</small> 9.3
Ammonium (NH ₄ -N), ppm	3.6	4.4	<small><5</small> 53.3	<small>5-9</small> 43.8	<small>10-19</small> 1.8	<small>20-39</small> 0.4	<small>>39</small> 0.7