

Southeast 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,%	2.7	1.8	<small><1.0</small> 0.7	<small>1.0-2.5</small> 52.4	<small>2.5-5.0</small> 45.1	<small>5.0-7.0</small> 1.3	<small>7.0+</small> 0.6
Phosphorus (P1), ppm	33	36	<small><10</small> 11.5	<small>10-20</small> 25.9	<small>20-30</small> 22.7	<small>30-50</small> 23.5	<small>50+</small> 16.4
Phosphorus (P2), ppm	61	49	<small><14</small> 5.8	<small>14-29</small> 23.1	<small>29-44</small> 17.7	<small>44-74</small> 26.9	<small>74+</small> 26.5
Bicarbonate P, ppm	9		<small><5</small>	<small>5-15</small> 100.0	<small>15-25</small>	<small>25-45</small>	<small>45+</small>
Potassium (K), ppm	121	49					
K, % Base Saturation	3.4	1.5	<small><0.99</small> 1.0	<small>0.99-1.96</small> 10.0	<small>1.97-3.92</small> 63.8	<small>3.93-5.88</small> 22.5	<small>>5.88</small> 3.5
Magnesium (Mg), ppm	233	122					
Mg, % Base Saturation	19.3	6.4	<small><5</small> 0.4	<small>5-10</small> 9.0	<small>10-15</small> 15.9	<small>15-25</small> 55.9	<small>25+</small> 18.9
Calcium (Ca), ppm	1307	635					
Ca, % Base Saturation	64.9	10.4	<small><45</small> 3.5	<small>45-55</small> 12.1	<small>55-75</small> 69.7	<small>75-85</small> 11.8	<small>85+</small> 3.0
pH (1:1)	6.5	0.6	<small><5.1</small> 0.6	<small>5.1-5.8</small> 10.4	<small>5.9-6.9</small> 65.8	<small>7.0-7.5</small> 19.2	<small>>7.5</small> 3.9
CEC, meq/100g	9.9	3.9	<small><3.1</small> 0.3	<small>3.1-8.0</small> 33.6	<small>8.1-15.0</small> 56.5	<small>15.1-25.0</small> 9.2	<small>>25.0</small> 0.4
Sulfur (S), ppm	8	5.3	<small><4</small> 2.7	<small>4-7</small> 56.1	<small>8-12</small> 35.8	<small>13-17</small> 3.8	<small>>17</small> 1.7
Zinc (Zn), ppm	3.1	3.1	<small><1.0</small>	<small>1.1-2.9</small> 66.9	<small>3.0-4.9</small> 21.9	<small>5.0-10.0</small> 9.2	<small>>10.0</small> 2.0
Manganese (Mn), ppm	48	16	<small><6</small> 0.3	<small>6-14</small> 1.2	<small>15-19</small> 5.0	<small>20-49</small> 51.5	<small>>49</small> 42.0
Iron (Fe), ppm	41	26		<small><5</small> 0.3	<small>5-9</small> 1.6	<small>10-50</small> 74.3	<small>>50</small> 23.8
Copper (Cu), ppm	1.4	1.1		<small><0.4</small> 0.4	<small>0.4-1.1</small> 47.9	<small>1.2-3.0</small> 47.4	<small>>3.0</small> 4.3
Boron (B), ppm	0.4	0.3	<small><0.4</small> 46.9	<small>0.4-0.5</small> 28.4	<small>0.6-1.2</small> 23.3	<small>1.3-2.5</small> 1.5	<small>>2.5</small> 0.1
Nitrate (NO ₃ -N), ppm	23.1	15.0	<small><5</small> 2.9	<small>5-9</small> 9.1	<small>10-19</small> 33.7	<small>20-39</small> 42.3	<small>>39</small> 12.0
Ammonium (NH ₄ -N), ppm	4.9	2.9	<small><5</small> 34.9	<small>5-9</small> 55.0	<small>10-19</small> 8.9	<small>20-39</small> 1.2	<small>>39</small>