

Southeast Indiana

2018 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	1.0	<small><1.0</small> 0.4	<small>1.0-2.5</small> 52.4	<small>2.5-5.0</small> 45.5	<small>5.0-7.0</small> 1.5	<small>7.0+</small> 0.3
Phosphorus (P1), ppm	33	34	<small><10</small> 10.6	<small>10-20</small> 24.6	<small>20-30</small> 22.7	<small>30-50</small> 25.5	<small>50+</small> 16.7
Phosphorus (P2), ppm	75	76	<small><14</small> 12.5	<small>14-29</small> 28.1	<small>29-44</small> 9.4	<small>44-74</small> 9.4	<small>74+</small> 40.6
Bicarbonate P, ppm	21	13	<small><5</small>	<small>5-15</small> 44.4	<small>15-25</small> 22.2	<small>25-45</small> 22.2	<small>45+</small> 11.1
Potassium (K), ppm	129	58					
K, % Base Saturation	3.3	1.4	<small><0.92</small> 2.9	<small>0.92-1.83</small> 9.1	<small>1.84-3.65</small> 59.7	<small>3.66-5.48</small> 26.7	<small>>5.48</small> 4.2
Magnesium (Mg), ppm	264	128					
Mg, % Base Saturation	20.2	6.0	<small><5</small> 0.1	<small>5-10</small> 3.6	<small>10-15</small> 16.6	<small>15-25</small> 58.7	<small>25+</small> 21.0
Calcium (Ca), ppm	1407	674					
Ca, % Base Saturation	63.9	9.8	<small><45</small> 3.6	<small>45-55</small> 12.9	<small>55-75</small> 72.1	<small>75-85</small> 9.6	<small>85+</small> 1.7
pH (1:1)	6.5	0.6	<small><5.1</small> 0.4	<small>5.1-5.8</small> 10.7	<small>5.9-6.0</small> 68.2	<small>7.0-7.5</small> 17.1	<small>>7.5</small> 3.6
CEC, meq/100g	10.9	4.2	<small><3.1</small> 0.2	<small>3.1-8.0</small> 25.0	<small>8.1-15.0</small> 60.2	<small>15.1-25.0</small> 14.1	<small>>25.0</small> 0.5
Sulfur (S), ppm	7	9.0	<small><4</small> 1.7	<small>4-7</small> 57.8	<small>8-12</small> 37.5	<small>13-17</small> 2.4	<small>>17</small> 0.5
Zinc (Zn), ppm	3.0	2.8	<small><1.0</small>	<small>1.1-2.9</small> 70.7	<small>3.0-4.9</small> 20.4	<small>5.0-10.0</small> 6.7	<small>>10.0</small> 2.2
Manganese (Mn), ppm	48	15	<small><6</small>	<small>6-14</small> 0.6	<small>15-19</small> 4.6	<small>20-49</small> 51.9	<small>>49</small> 42.9
Iron (Fe), ppm	42	27		<small><5</small> 0.2	<small>5-9</small> 1.5	<small>10-50</small> 70.3	<small>>50</small> 28.0
Copper (Cu), ppm	1.4	1.0		<small><0.4</small> 0.3	<small>0.4-1.1</small> 53.3	<small>1.2-3.0</small> 39.3	<small>>3.0</small> 7.2
Boron (B), ppm	0.5	0.4	<small><0.4</small> 41.2	<small>0.4-0.5</small> 33.2	<small>0.6-1.2</small> 23.8	<small>1.3-2.5</small> 1.7	<small>>2.5</small> 0.1
Nitrate (NO ₃ -N), ppm	19.8	19.5	<small><5</small> 15.7	<small>5-9</small> 23.5	<small>10-19</small> 22.1	<small>20-39</small> 24.4	<small>>39</small> 14.4
Ammonium (NH ₄ -N), ppm	8.1	15.3	<small><5</small> 49.5	<small>5-9</small> 33.0	<small>10-19</small> 10.3	<small>20-39</small> 4.1	<small>>39</small> 3.2