



Southeast 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	1.1	<small><1.0</small> 0.8	<small>1.0-2.5</small> 54.0	<small>2.5-5.0</small> 43.6	<small>5.0-7.0</small> 1.3	<small>7.0+</small> 0.3
Phosphorus (P1), ppm	32	30	<small><10</small> 10.6	<small>10-20</small> 26.2	<small>20-30</small> 23.2	<small>30-50</small> 23.9	<small>50+</small> 16.1
Phosphorus (P2), ppm	113	66	<small><14</small> 1.8	<small>14-29</small> 7.4	<small>29-44</small> 2.6	<small>44-74</small> 13.3	<small>74+</small> 74.9
Bicarbonate P, ppm	25	19	<small><5</small> 7.1	<small>5-15</small> 28.6	<small>15-25</small> 28.6	<small>25-45</small> 21.4	<small>45+</small> 14.3
Potassium (K), ppm	119	75					
K, % Base Saturation	3.4	1.6	<small><1.03</small> 1.4	<small>1.03-2.03</small> 12.4	<small>2.04-4.07</small> 61.6	<small>4.08-6.10</small> 22.2	<small>>6.10</small> 3.3
Magnesium (Mg), ppm	226	113					
Mg, % Base Saturation	19.6	6.1	<small><5</small> 0.4	<small>5-10</small> 6.5	<small>10-15</small> 15.9	<small>15-25</small> 58.4	<small>25+</small> 18.9
Calcium (Ca), ppm	1233	587					
Ca, % Base Saturation	64.1	10.0	<small><45</small> 3.5	<small>45-55</small> 12.2	<small>55-75</small> 72.2	<small>75-85</small> 9.7	<small>85+</small> 2.3
pH (1:1)	6.5	0.6	<small><5.1</small> 0.6	<small>5.1-5.8</small> 11.0	<small>5.9-6.9</small> 67.1	<small>7.0-7.5</small> 17.2	<small>>7.5</small> 4.1
CEC, meq/100g	9.5	3.6	<small><3.1</small> 0.4	<small>3.1-8.0</small> 37.8	<small>8.1-15.0</small> 54.5	<small>15.1-25.0</small> 7.0	<small>>25.0</small> 0.3
Sulfur (S), ppm	7	16.6	<small><4</small> 4.4	<small>4-7</small> 63.9	<small>8-12</small> 28.1	<small>13-17</small> 2.5	<small>>17</small> 1.1
Zinc (Zn), ppm	3.3	3.0	<small><1.0</small> 0.1	<small>1.1-2.9</small> 64.4	<small>3.0-4.9</small> 23.8	<small>5.0-10.0</small> 9.1	<small>>10.0</small> 2.8
Manganese (Mn), ppm	47	15	<small><6</small> 0.1	<small>6-14</small> 1.2	<small>15-19</small> 5.5	<small>20-49</small> 53.1	<small>>49</small> 40.1
Iron (Fe), ppm	38	25		<small><5</small> 0.4	<small>5-9</small> 2.7	<small>10-50</small> 74.1	<small>>50</small> 22.8
Copper (Cu), ppm	1.5	0.9		<small><0.4</small> 0.5	<small>0.4-1.1</small> 47.6	<small>1.2-3.0</small> 43.9	<small>>3.0</small> 8.0
Boron (B), ppm	0.4	0.3	<small><0.4</small> 45.8	<small>0.4-0.5</small> 29.9	<small>0.6-1.2</small> 23.2	<small>1.3-2.5</small> 1.0	<small>>2.5</small> 0.3
Nitrate (NO ₃ -N), ppm	20.8	13.5	<small><5</small> 5.1	<small>5-9</small> 8.2	<small>10-19</small> 42.2	<small>20-39</small> 34.4	<small>>39</small> 10.2
Ammonium (NH ₄ -N), ppm	3.7	4.5	<small><5</small> 52.0	<small>5-9</small> 44.9	<small>10-19</small> 2.0	<small>20-39</small> 0.4	<small>>39</small> 0.8