

# Northeast 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,%	3.4	5.1	<small>&lt;1.0</small> 1.9	<small>1.0-2.5</small> 44.7	<small>2.5-5.0</small> 47.9	<small>5.0-7.0</small> 2.4	<small>7.0+</small> 3.1
Phosphorus (P1), ppm	42	42	<small>&lt;10</small> 6.9	<small>10-20</small> 20.1	<small>20-30</small> 20.2	<small>30-50</small> 26.9	<small>50+</small> 26.0
Phosphorus (P2), ppm	67	70	<small>&lt;14</small> 4.4	<small>14-29</small> 19.2	<small>29-44</small> 20.6	<small>44-74</small> 27.3	<small>74+</small> 28.4
Bicarbonate P, ppm	45	93	<small>&lt;5</small> 50.0	<small>5-15</small> 12.5	<small>15-25</small> 12.5	<small>25-45</small> 12.5	<small>45+</small> 12.5
Potassium (K), ppm	140	59					
K, % Base Saturation	3.7	1.9	<small>&lt;0.90</small> 3.1	<small>0.90-1.79</small> 5.0	<small>1.80-3.58</small> 57.1	<small>3.59-5.37</small> 30.8	<small>5.37+</small> 6.9
Magnesium (Mg), ppm	275	141					
Mg, % Base Saturation	20.8	6.2	<small>&lt;5</small> 0.4	<small>5-10</small> 2.3	<small>10-15</small> 14.0	<small>15-25</small> 59.8	<small>25+</small> 23.6
Calcium (Ca), ppm	1430	890					
Ca, % Base Saturation	63.0	10.1	<small>&lt;45</small> 4.3	<small>45-55</small> 16.5	<small>55-75</small> 68.5	<small>75-85</small> 9.4	<small>85+</small> 1.3
pH (1:1)	6.5	0.6	<small>&lt;5.1</small> 0.6	<small>5.1-5.8</small> 11.2	<small>5.9-6.9</small> 65.0	<small>7.0-7.5</small> 19.3	<small>&gt;7.5</small> 3.8
CEC, meq/100g	11.1	5.5	<small>&lt;3.1</small> 1.2	<small>3.1-8.0</small> 26.5	<small>8.1-15.0</small> 54.6	<small>15.1-25.0</small> 16.0	<small>&gt;25.0</small> 1.7
Sulfur (S), ppm	8	8.1	<small>&lt;4</small> 4.2	<small>4-7</small> 58.5	<small>8-12</small> 32.3	<small>13-17</small> 3.2	<small>&gt;17</small> 1.7
Zinc (Zn), ppm	3.6	3.4	<small>&lt;1.0</small> 53.7	<small>1.1-2.9</small> 53.7	<small>3.0-4.9</small> 31.1	<small>5.0-10.0</small> 12.3	<small>&gt;10.0</small> 2.9
Manganese (Mn), ppm	40	15	<small>&lt;6</small> 1.0	<small>6-14</small> 4.9	<small>15-19</small> 11.6	<small>20-49</small> 59.4	<small>&gt;49</small> 23.1
Iron (Fe), ppm	43	25		<small>&lt;5</small> 0.1	<small>5-9</small> 0.4	<small>10-50</small> 72.9	<small>&gt;50</small> 26.6
Copper (Cu), ppm	1.5	1.0		<small>&lt;0.4</small> 1.4	<small>0.4-1.1</small> 41.4	<small>1.2-3.0</small> 50.2	<small>&gt;3.0</small> 7.0
Boron (B), ppm	0.5	0.3	<small>&lt;0.4</small> 44.1	<small>0.4-0.5</small> 27.5	<small>0.6-1.2</small> 26.4	<small>1.3-2.5</small> 1.9	<small>&gt;2.5</small> 0.1
Nitrate (NO <sub>3</sub> -N), ppm	87.3	61.6	<small>&lt;5</small> 1.6	<small>5-9</small> 3.2	<small>10-19</small> 6.4	<small>20-39</small> 19.5	<small>&gt;39</small> 69.2
Ammonium (NH <sub>4</sub> -N), ppm	38.1	38.6	<small>&lt;5</small> 12.5	<small>5-9</small> 22.3	<small>10-19</small> 13.2	<small>20-39</small> 6.7	<small>&gt;39</small> 45.3