

# Northern 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,%	3.5	5.1	<small>&lt;1.0</small> 1.5	<small>1.0-2.5</small> 44.9	<small>2.5-5.0</small> 46.4	<small>5.0-7.0</small> 3.5	<small>7.0+</small> 3.6
Phosphorus (P1), ppm	45	46	<small>&lt;10</small> 5.5	<small>10-20</small> 18.1	<small>20-30</small> 19.3	<small>30-50</small> 27.6	<small>50+</small> 29.5
Phosphorus (P2), ppm	62	78	<small>&lt;14</small> 4.1	<small>14-29</small> 21.3	<small>29-44</small> 21.8	<small>44-74</small> 28.8	<small>74+</small> 23.9
Bicarbonate P, ppm	28	27	<small>&lt;5</small> 18.0	<small>5-15</small> 27.9	<small>15-25</small> 14.8	<small>25-45</small> 14.8	<small>45+</small> 24.6
Potassium (K), ppm	144	61					
K, % Base Saturation	3.9	2.0	<small>&lt;0.92</small> 1.5	<small>0.92-1.83</small> 5.0	<small>1.84-3.65</small> 54.0	<small>3.66-5.48</small> 32.3	<small>&gt;5.48</small> 8.5
Magnesium (Mg), ppm	264	137					
Mg, % Base Saturation	20.7	6.1	<small>&lt;5</small> 0.4	<small>5-10</small> 2.7	<small>10-15</small> 14.5	<small>15-25</small> 59.4	<small>25+</small> 23.0
Calcium (Ca), ppm	1388	866					
Ca, % Base Saturation	62.5	10.5	<small>&lt;45</small> 4.9	<small>45-55</small> 18.0	<small>55-75</small> 66.2	<small>75-85</small> 9.5	<small>85+</small> 1.5
pH (1:1)	6.5	0.6	<small>&lt;5.1</small> 0.5	<small>5.1-5.8</small> 11.4	<small>5.9-6.0</small> 67.8	<small>7.0-7.5</small> 17.6	<small>&gt;7.5</small> 2.7
CEC, meq/100g	10.9	5.4	<small>&lt;3.1</small> 1.5	<small>3.1-8.0</small> 29.5	<small>8.1-15.0</small> 52.0	<small>15.1-25.0</small> 15.5	<small>&gt;25.0</small> 1.6
Sulfur (S), ppm	8	21.2	<small>&lt;4</small> 1.4	<small>4-7</small> 53.0	<small>8-12</small> 39.1	<small>13-17</small> 4.5	<small>&gt;17</small> 2.0
Zinc (Zn), ppm	4.0	6.1	<small>&lt;1.0</small> 0.1	<small>1.1-2.9</small> 50.2	<small>3.0-4.9</small> 31.3	<small>5.0-10.0</small> 14.3	<small>&gt;10.0</small> 4.2
Manganese (Mn), ppm	36	17	<small>&lt;6</small> 4.4	<small>6-14</small> 10.0	<small>15-19</small> 13.3	<small>20-49</small> 52.2	<small>&gt;49</small> 20.1
Iron (Fe), ppm	47	30		<small>&lt;5</small> 0.3	<small>5-9</small> 0.7	<small>10-50</small> 67.4	<small>&gt;50</small> 31.6
Copper (Cu), ppm	1.5	1.1		<small>&lt;0.4</small> 0.5	<small>0.4-1.1</small> 45.7	<small>1.2-3.0</small> 47.5	<small>&gt;3.0</small> 6.2
Boron (B), ppm	0.5	0.8	<small>&lt;0.4</small> 49.2	<small>0.4-0.5</small> 26.1	<small>0.6-1.2</small> 22.5	<small>1.3-2.5</small> 2.0	<small>&gt;2.5</small> 0.2
Nitrate (NO <sub>3</sub> -N), ppm	68.2	94.2	<small>&lt;5</small> 11.4	<small>5-9</small> 10.4	<small>10-19</small> 15.9	<small>20-39</small> 24.9	<small>&gt;39</small> 37.4
Ammonium (NH <sub>4</sub> -N), ppm	25.6	44.6	<small>&lt;5</small> 37.5	<small>5-9</small> 31.4	<small>10-19</small> 5.4	<small>20-39</small> 4.3	<small>&gt;39</small> 21.5