



Northern 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,%	3.5	5.4	<small><1.0</small> 1.9	<small>1.0-2.5</small> 44.6	<small>2.5-5.0</small> 46.3	<small>5.0-7.0</small> 3.3	<small>7.0+</small> 3.8
Phosphorus (P1), ppm	45	44	<small><10</small> 6.0	<small>10-20</small> 18.5	<small>20-30</small> 19.3	<small>30-50</small> 27.2	<small>50+</small> 29.1
Phosphorus (P2), ppm	63	63	<small><14</small> 4.3	<small>14-29</small> 19.9	<small>29-44</small> 21.5	<small>44-74</small> 28.3	<small>74+</small> 26.0
Bicarbonate P, ppm	43	51	<small><5</small> 14.3	<small>5-15</small> 7.1	<small>15-25</small> 14.3	<small>25-45</small> 28.6	<small>45+</small> 35.7
Potassium (K), ppm	141	60					
K, % Base Saturation	3.9	2.0	<small><0.91</small> 2.6	<small>0.91-1.81</small> 5.2	<small>1.82-3.62</small> 55.7	<small>3.63-5.43</small> 30.9	<small>>5.43</small> 7.8
Magnesium (Mg), ppm	269	143					
Mg, % Base Saturation	20.7	6.2	<small><5</small> 0.5	<small>5-10</small> 2.9	<small>10-15</small> 14.4	<small>15-25</small> 58.7	<small>25+</small> 23.5
Calcium (Ca), ppm	1400	905					
Ca, % Base Saturation	62.3	10.5	<small><45</small> 5.0	<small>45-55</small> 18.5	<small>55-75</small> 65.9	<small>75-85</small> 9.1	<small>85+</small> 1.5
pH (1:1)	6.5	0.6	<small><5.1</small> 0.7	<small>5.1-5.8</small> 12.0	<small>5.9-6.9</small> 66.5	<small>7.0-7.5</small> 17.6	<small>>7.5</small> 3.1
CEC, meq/100g	11.0	5.6	<small><3.1</small> 1.3	<small>3.1-8.0</small> 29.1	<small>8.1-15.0</small> 51.9	<small>15.1-25.0</small> 15.9	<small>>25.0</small> 1.7
Sulfur (S), ppm	8	7.2	<small><4</small> 4.3	<small>4-7</small> 58.5	<small>8-12</small> 32.1	<small>13-17</small> 3.6	<small>>17</small> 1.5
Zinc (Zn), ppm	3.8	3.3	<small><1.0</small> 50.4	<small>1.1-2.9</small> 50.4	<small>3.0-4.9</small> 32.2	<small>5.0-10.0</small> 14.2	<small>>10.0</small> 3.2
Manganese (Mn), ppm	36	17	<small><6</small> 3.9	<small>6-14</small> 9.5	<small>15-19</small> 13.1	<small>20-49</small> 53.7	<small>>49</small> 19.8
Iron (Fe), ppm	47	30		<small><5</small> 0.2	<small>5-9</small> 0.6	<small>10-50</small> 67.5	<small>>50</small> 31.6
Copper (Cu), ppm	1.4	1.0		<small><0.4</small> 1.3	<small>0.4-1.1</small> 46.2	<small>1.2-3.0</small> 47.0	<small>>3.0</small> 5.5
Boron (B), ppm	0.4	0.3	<small><0.4</small> 48.8	<small>0.4-0.5</small> 26.5	<small>0.6-1.2</small> 22.9	<small>1.3-2.5</small> 1.7	<small>>2.5</small> 0.1
Nitrate (NO ₃ -N), ppm	66.4	60.6	<small><5</small> 2.4	<small>5-9</small> 8.6	<small>10-19</small> 13.3	<small>20-39</small> 24.4	<small>>39</small> 51.3
Ammonium (NH ₄ -N), ppm	26.9	35.9	<small><5</small> 25.2	<small>5-9</small> 27.9	<small>10-19</small> 11.3	<small>20-39</small> 5.6	<small>>39</small> 30.0