



Northwest 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,%	3.7	5.8	<small>(<1.0)</small> 1.9	<small>(1.0-2.5)</small> 44.4	<small>(2.5-5.0)</small> 43.7	<small>(5.0-7.0)</small> 4.9	<small>(7.0+)</small> 5.1
Phosphorus (P1), ppm	50	47	<small>(<10)</small> 4.5	<small>(10-20)</small> 15.7	<small>(20-30)</small> 17.7	<small>(30-50)</small> 27.8	<small>(50+)</small> 34.3
Phosphorus (P2), ppm	59	52	<small>(<14)</small> 4.0	<small>(14-29)</small> 20.9	<small>(29-44)</small> 22.8	<small>(44-74)</small> 29.7	<small>(74+)</small> 22.6
Bicarbonate P, ppm	42	15	<small>(<5)</small>	<small>(5-15)</small> 5.0	<small>(15-25)</small> 15.0	<small>(25-45)</small> 35.0	<small>(45+)</small> 45.0
Potassium (K), ppm	143	61					
K, % Base Saturation	4.0	2.1	<small>(<0.93)</small> 1.8	<small>(0.93-1.84)</small> 5.7	<small>(1.85-3.69)</small> 53.4	<small>(3.70-5.53)</small> 31.1	<small>(5.53+)</small> 9.4
Magnesium (Mg), ppm	259	145					
Mg, % Base Saturation	20.5	6.3	<small>(<5)</small> 0.6	<small>(5-10)</small> 3.9	<small>(10-15)</small> 15.0	<small>(15-25)</small> 56.9	<small>(25+)</small> 23.5
Calcium (Ca), ppm	1348	928					
Ca, % Base Saturation	61.2	11.0	<small>(<45)</small> 6.2	<small>(45-55)</small> 22.0	<small>(55-75)</small> 61.5	<small>(75-85)</small> 8.6	<small>(85+)</small> 1.7
pH (1:1)	6.4	0.6	<small>(<5.1)</small> 0.8	<small>(5.1-5.8)</small> 13.4	<small>(5.9-6.9)</small> 69.1	<small>(7.0-7.5)</small> 14.7	<small>(>7.5)</small> 1.9
CEC, meq/100g	10.7	5.8	<small>(<3.1)</small> 1.5	<small>(3.1-8.0)</small> 33.5	<small>(8.1-15.0)</small> 47.4	<small>(15.1-25.0)</small> 15.8	<small>(>25.0)</small> 1.8
Sulfur (S), ppm	7	5.3	<small>(<4)</small> 4.3	<small>(4-7)</small> 58.5	<small>(8-12)</small> 31.7	<small>(13-17)</small> 4.2	<small>(>17)</small> 1.2
Zinc (Zn), ppm	4.0	3.2	<small>(<1.0)</small> 0.1	<small>(1.1-2.9)</small> 45.1	<small>(3.0-4.9)</small> 34.0	<small>(5.0-10.0)</small> 17.3	<small>(>10.0)</small> 3.6
Manganese (Mn), ppm	31	18	<small>(<6)</small> 8.1	<small>(6-14)</small> 16.2	<small>(15-19)</small> 15.1	<small>(20-49)</small> 45.5	<small>(>49)</small> 15.2
Iron (Fe), ppm	50	33		<small>(<5)</small> 0.3	<small>(5-9)</small> 0.8	<small>(10-50)</small> 63.9	<small>(>50)</small> 35.0
Copper (Cu), ppm	1.4	0.9		<small>(<0.4)</small> 1.2	<small>(0.4-1.1)</small> 49.4	<small>(1.2-3.0)</small> 44.9	<small>(>3.0)</small> 4.6
Boron (B), ppm	0.4	0.3	<small>(<0.4)</small> 56.0	<small>(0.4-0.5)</small> 25.0	<small>(0.6-1.2)</small> 17.6	<small>(1.3-2.5)</small> 1.3	<small>(>2.5)</small> 0.1
Nitrate (NO ₃ -N), ppm	23.4	26.2	<small>(<5)</small> 4.1	<small>(5-9)</small> 19.7	<small>(10-19)</small> 27.4	<small>(20-39)</small> 34.4	<small>(>39)</small> 14.3
Ammonium (NH ₄ -N), ppm	6.2	15.9	<small>(<5)</small> 48.6	<small>(5-9)</small> 38.4	<small>(10-19)</small> 7.7	<small>(20-39)</small> 3.7	<small>(>39)</small> 1.6