

Northern Illinois

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,%	3.9	2.0	<small>(<1.0)</small> 0.2	<small>(1.0-2.5)</small> 13.3	<small>(2.5-5.0)</small> 68.0	<small>(5.0-7.0)</small> 15.6	<small>(7.0+)</small> 2.9
Phosphorus (P1), ppm	42	35	<small>(<10)</small> 2.8	<small>(10-20)</small> 13.1	<small>(20-30)</small> 22.8	<small>(30-50)</small> 35.8	<small>(50+)</small> 25.4
Phosphorus (P2), ppm	52	33	<small>(<14)</small> 2.0	<small>(14-29)</small> 16.2	<small>(29-44)</small> 31.6	<small>(44-74)</small> 35.3	<small>(74+)</small> 14.9
Potassium (K), ppm	182	74					
K, % Base Saturation	3.4	1.6	<small>(<0.72)</small> 1.0	<small>(0.72-1.43)</small> 2.1	<small>(1.44-2.86)</small> 39.1	<small>(2.87-4.28)</small> 41.1	<small>(>4.28)</small> 17.6
Magnesium (Mg), ppm	492	169					
Mg, % Base Saturation	28.1	6.7	<small>(<5)</small> 0.2	<small>(5-10)</small> 0.9	<small>(10-15)</small> 3.1	<small>(15-25)</small> 24.0	<small>(25+)</small> 71.7
Calcium (Ca), ppm	1771	1091					
Ca, % Base Saturation	57.9	8.8	<small>(<45)</small> 5.0	<small>(45-55)</small> 32.3	<small>(55-75)</small> 59.0	<small>(75-85)</small> 2.4	<small>(85+)</small> 1.4
pH (1:1)	6.6	0.5	<small>(<5.1)</small> 0.3	<small>(5.1-5.8)</small> 7.2	<small>(5.9-6.9)</small> 72.4	<small>(7.0-7.5)</small> 17.5	<small>(>7.5)</small> 2.6
CEC, meq/100g	15.0	5.8	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 4.7	<small>(8.1-15.0)</small> 54.6	<small>(15.1-25.0)</small> 37.5	<small>(>25.0)</small> 3.1
Sulfur (S), ppm	7	4.9	<small>(<4)</small> 3.5	<small>(4-7)</small> 64.0	<small>(8-12)</small> 30.7	<small>(13-17)</small> 1.5	<small>(>17)</small> 0.3
Zinc (Zn), ppm	3.8	3.3	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 47.6	<small>(3.0-4.9)</small> 35.7	<small>(5.0-10.0)</small> 13.9	<small>(>10.0)</small> 2.8
Manganese (Mn), ppm	43	14	<small>(<6)</small> 0.8	<small>(6-14)</small> 2.4	<small>(15-19)</small> 5.6	<small>(20-49)</small> 63.5	<small>(>49)</small> 27.6
Iron (Fe), ppm	39	25		<small>(<5)</small> 1.9	<small>(5-9)</small> 1.9	<small>(10-50)</small> 75.8	<small>(>50)</small> 20.3
Copper (Cu), ppm	1.4	0.9		<small>(<0.4)</small> 0.2	<small>(0.4-1.1)</small> 35.4	<small>(1.2-3.0)</small> 61.7	<small>(>3.0)</small> 2.7
Boron (B), ppm	0.6	0.4	<small>(<0.4)</small> 35.8	<small>(0.4-0.5)</small> 28.7	<small>(0.6-1.2)</small> 28.6	<small>(1.3-2.5)</small> 6.1	<small>(>2.5)</small> 0.7
Nitrate (NO ₃ -N), ppm	22.5	14.4	<small>(<5)</small> 1.2	<small>(5-9)</small> 14.8	<small>(10-19)</small> 32.4	<small>(20-39)</small> 39.6	<small>(>39)</small> 12.0
Ammonium (NH ₄ -N), ppm	6.2	7.0	<small>(<5)</small> 41.6	<small>(5-9)</small> 43.6	<small>(10-19)</small> 10.1	<small>(20-39)</small> 2.8	<small>(>39)</small> 1.9