



Northeast 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,%	4.1	1.4	<small>(<1.0)</small> 0.1	<small>(1.0-2.5)</small> 8.0	<small>(2.5-5.0)</small> 69.9	<small>(5.0-7.0)</small> 18.9	<small>(7.0+)</small> 3.1
Phosphorus (P1), ppm	46	50	<small>(<10)</small> 3.3	<small>(10-20)</small> 14.5	<small>(20-30)</small> 26.0	<small>(30-50)</small> 27.1	<small>(50+)</small> 26.2
Phosphorus (P2), ppm	96	30	<small>(<14)</small>	<small>(14-29)</small>	<small>(29-44)</small> 9.1	<small>(44-74)</small> 18.2	<small>(74+)</small> 72.7
Potassium (K), ppm	168	60					
K, % Base Saturation	2.7	1.1	<small>(<0.67)</small> 2.9	<small>(0.67-1.32)</small> 2.2	<small>(1.33-2.63)</small> 47.1	<small>(2.64-3.95)</small> 41.5	<small>(>3.95)</small> 9.1
Magnesium (Mg), ppm	480	167					
Mg, % Base Saturation	23.9	6.9	<small>(<5)</small>	<small>(5-10)</small> 1.2	<small>(10-15)</small> 7.9	<small>(15-25)</small> 36.7	<small>(25+)</small> 54.2
Calcium (Ca), ppm	1939	705					
Ca, % Base Saturation	61.0	8.5	<small>(<45)</small> 3.8	<small>(45-55)</small> 21.5	<small>(55-75)</small> 70.7	<small>(75-85)</small> 3.2	<small>(85+)</small> 0.8
pH (1:1)	6.4	0.5	<small>(<5.1)</small> 0.4	<small>(5.1-5.8)</small> 11.0	<small>(5.9-6.9)</small> 73.0	<small>(7.0-7.5)</small> 13.9	<small>(>7.5)</small> 1.7
CEC, meq/100g	16.7	4.5	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 3.0	<small>(8.1-15.0)</small> 41.8	<small>(15.1-25.0)</small> 52.2	<small>(>25.0)</small> 3.0
Sulfur (S), ppm	8	18.4	<small>(<4)</small> 2.3	<small>(4-7)</small> 65.1	<small>(8-12)</small> 29.9	<small>(13-17)</small> 1.4	<small>(>17)</small> 1.3
Zinc (Zn), ppm	2.6	3.1	<small>(<1.0)</small>	<small>(1.1-2.9)</small> 86.5	<small>(3.0-4.9)</small> 8.4	<small>(5.0-10.0)</small> 2.4	<small>(>10.0)</small> 2.7
Manganese (Mn), ppm	32	10	<small>(<6)</small>	<small>(6-14)</small> 3.7	<small>(15-19)</small> 31.2	<small>(20-49)</small> 60.2	<small>(>49)</small> 4.8
Iron (Fe), ppm	35	18		<small>(<5)</small> 1.4	<small>(5-9)</small> 1.4	<small>(10-50)</small> 84.8	<small>(>50)</small> 12.5
Copper (Cu), ppm	1.7	0.6		<small>(<0.4)</small>	<small>(0.4-1.1)</small> 16.4	<small>(1.2-3.0)</small> 82.1	<small>(>3.0)</small> 1.5
Boron (B), ppm	0.6	0.4	<small>(<0.4)</small> 20.4	<small>(0.4-0.5)</small> 26.6	<small>(0.6-1.2)</small> 47.6	<small>(1.3-2.5)</small> 5.2	<small>(>2.5)</small> 0.2
Nitrate (NO ₃ -N), ppm	28.2	15.7	<small>(<5)</small>	<small>(5-9)</small> 11.8	<small>(10-19)</small> 19.6	<small>(20-39)</small> 47.1	<small>(>39)</small> 21.6
Ammonium (NH ₄ -N), ppm	9.6	13.3	<small>(<5)</small> 23.3	<small>(5-9)</small> 48.8	<small>(10-19)</small> 16.3	<small>(20-39)</small> 4.7	<small>(>39)</small> 7.0