



Northeast Illinois

2021 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,%	4.4	1.4	<small>(<1.0)</small> 0.2	<small>(1.0-2.5)</small> 6.2	<small>(2.5-5.0)</small> 65.5	<small>(5.0-7.0)</small> 24.4	<small>(7.0+)</small> 3.8
Phosphorus (P1), ppm	44	61	<small>(<10)</small> 4.5	<small>(10-20)</small> 19.2	<small>(20-30)</small> 24.6	<small>(30-50)</small> 29.7	<small>(50+)</small> 21.9
Phosphorus (P2), ppm	140	148	<small>(<14)</small> 2.9	<small>(14-29)</small> 5.8	<small>(29-44)</small> 10.1	<small>(44-74)</small> 15.9	<small>(74+)</small> 65.2
Potassium (K), ppm	165	91					
K, % Base Saturation	2.6	1.3	<small>(<0.67)</small> 0.3	<small>(0.67-1.32)</small> 5.2	<small>(1.33-2.64)</small> 48.8	<small>(2.65-3.96)</small> 38.5	<small>(>3.96)</small> 7.2
Magnesium (Mg), ppm	471	174					
Mg, % Base Saturation	23.6	6.9	<small>(<5)</small> 0.3	<small>(5-10)</small> 2.0	<small>(10-15)</small> 9.4	<small>(15-25)</small> 44.4	<small>(25+)</small> 43.9
Calcium (Ca), ppm	2039	961					
Ca, % Base Saturation	60.2	9.8	<small>(<45)</small> 4.2	<small>(45-55)</small> 26.5	<small>(55-75)</small> 62.6	<small>(75-85)</small> 5.4	<small>(85+)</small> 1.3
pH (1:1)	6.5	0.6	<small>(<5.1)</small> 0.7	<small>(5.1-5.8)</small> 15.5	<small>(5.9-6.9)</small> 63.5	<small>(7.0-7.5)</small> 15.4	<small>(>7.5)</small> 4.8
CEC, meq/100g	16.7	4.6	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 2.5	<small>(8.1-15.0)</small> 33.3	<small>(15.1-25.0)</small> 61.7	<small>(>25.0)</small> 2.5
Sulfur (S), ppm	7	12.0	<small>(<4)</small> 5.5	<small>(4-7)</small> 71.4	<small>(8-12)</small> 20.5	<small>(13-17)</small> 1.1	<small>(>17)</small> 1.5
Zinc (Zn), ppm	3.0	6.3	<small>(<1.0)</small> 0.1	<small>(1.1-2.9)</small> 83.1	<small>(3.0-4.9)</small> 9.7	<small>(5.0-10.0)</small> 4.6	<small>(>10.0)</small> 2.5
Manganese (Mn), ppm	35	12	<small>(<6)</small>	<small>(6-14)</small> 4.2	<small>(15-19)</small> 17.9	<small>(20-49)</small> 68.1	<small>(>49)</small> 9.8
Iron (Fe), ppm	36	21		<small>(<5)</small> 3.0	<small>(5-9)</small> 2.0	<small>(10-50)</small> 75.0	<small>(>50)</small> 20.0
Copper (Cu), ppm	1.6	0.6		<small>(<0.4)</small> 0.2	<small>(0.4-1.1)</small> 16.4	<small>(1.2-3.0)</small> 80.2	<small>(>3.0)</small> 3.1
Boron (B), ppm	0.6	0.5	<small>(<0.4)</small> 24.4	<small>(0.4-0.5)</small> 30.1	<small>(0.6-1.2)</small> 39.1	<small>(1.3-2.5)</small> 5.3	<small>(>2.5)</small> 1.1
Nitrate (NO3-N), ppm	8.5	18.4	<small>(<5)</small> 58.8	<small>(5-9)</small> 35.3	<small>(10-19)</small>	<small>(20-39)</small>	<small>(>39)</small> 5.9
Ammonium (NH4-N), ppm	19.8	3.6	<small>(<5)</small>	<small>(5-9)</small>	<small>(10-19)</small>	<small>(20-39)</small> 100.0	<small>(>39)</small>