

Northeast Illinois

2018 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,%	4.3	1.7	<small>(<1.0)</small> 0.1	<small>(1.0-2.5)</small> 8.6	<small>(2.5-5.0)</small> 64.7	<small>(5.0-7.0)</small> 22.8	<small>(7.0+)</small> 3.9
Phosphorus (P1), ppm	45	51	<small>(<10)</small> 5.1	<small>(10-20)</small> 20.3	<small>(20-30)</small> 23.4	<small>(30-50)</small> 28.0	<small>(50+)</small> 23.2
Phosphorus (P2), ppm	34		<small>(<14)</small>	<small>(14-29)</small>	<small>(29-44)</small> 100.0	<small>(44-74)</small>	<small>(74+)</small>
Potassium (K), ppm	164	70					
K, % Base Saturation	2.5	1.2	<small>(<0.65)</small> 12.2	<small>(0.65-1.28)</small> 3.6	<small>(1.29-2.56)</small> 54.0	<small>(2.57-3.84)</small> 34.3	<small>(>3.84)</small> 8.0
Magnesium (Mg), ppm	445	192					
Mg, % Base Saturation	21.5	6.9	<small>(<5)</small> 0.4	<small>(5-10)</small> 3.1	<small>(10-15)</small> 14.6	<small>(15-25)</small> 50.0	<small>(25+)</small> 31.9
Calcium (Ca), ppm	2273	961					
Ca, % Base Saturation	64.7	10.1	<small>(<45)</small> 1.4	<small>(45-55)</small> 15.7	<small>(55-75)</small> 66.6	<small>(75-85)</small> 13.4	<small>(85+)</small> 2.9
pH (1:1)	6.6	0.6	<small>(<5.1)</small> 0.2	<small>(5.1-5.8)</small> 8.4	<small>(5.9-6.0)</small> 65.6	<small>(7.0-7.5)</small> 21.0	<small>(>7.5)</small> 4.8
CEC, meq/100g	17.4	5.7	<small>(<3.1)</small>	<small>(3.1-8.0)</small> 2.9	<small>(8.1-15.0)</small> 32.3	<small>(15.1-25.0)</small> 58.0	<small>(>25.0)</small> 6.9
Sulfur (S), ppm	8	3.4	<small>(<4)</small> 0.5	<small>(4-7)</small> 54.6	<small>(8-12)</small> 42.7	<small>(13-17)</small> 1.5	<small>(>17)</small> 0.7
Zinc (Zn), ppm	3.0	6.5	<small>(<1.0)</small> 0.1	<small>(1.1-2.9)</small> 79.7	<small>(3.0-4.9)</small> 15.4	<small>(5.0-10.0)</small> 3.1	<small>(>10.0)</small> 1.8
Manganese (Mn), ppm	35	12	<small>(<6)</small>	<small>(6-14)</small> 3.3	<small>(15-19)</small> 22.2	<small>(20-49)</small> 63.8	<small>(>49)</small> 10.7
Iron (Fe), ppm	35	16		<small>(<5)</small> 0.6	<small>(5-9)</small> 0.8	<small>(10-50)</small> 84.8	<small>(>50)</small> 13.8
Copper (Cu), ppm	1.7	1.8		<small>(<0.4)</small>	<small>(0.4-1.1)</small> 12.5	<small>(1.2-3.0)</small> 87.0	<small>(>3.0)</small> 0.5
Boron (B), ppm	0.6	0.3	<small>(<0.4)</small> 22.9	<small>(0.4-0.5)</small> 25.3	<small>(0.6-1.2)</small> 48.5	<small>(1.3-2.5)</small> 3.2	<small>(>2.5)</small> 0.1
Nitrate (NO ₃ -N), ppm	15.1	21.1	<small>(<5)</small> 20.9	<small>(5-9)</small> 34.2	<small>(10-19)</small> 24.9	<small>(20-39)</small> 11.9	<small>(>39)</small> 8.2
Ammonium (NH ₄ -N), ppm	4.4	6.7	<small>(<5)</small> 74.4	<small>(5-9)</small> 21.1	<small>(10-19)</small> 2.5	<small>(20-39)</small> 1.1	<small>(>39)</small> 0.9