



# Northeast Illinois

## 2016 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,%	4.7	1.6	<small>(&lt;1.0)</small> 0.2	<small>(1.0-2.5)</small> 5.5	<small>(2.5-5.0)</small> 55.2	<small>(5.0-7.0)</small> 32.6	<small>(7.0+)</small> 6.4
Phosphorus (P1), ppm	52	57	<small>(&lt;10)</small> 1.6	<small>(10-20)</small> 9.6	<small>(20-30)</small> 21.3	<small>(30-50)</small> 39.2	<small>(50+)</small> 28.3
Phosphorus (P2), ppm	80	100	<small>(&lt;14)</small> 2.8	<small>(14-29)</small> 15.9	<small>(29-44)</small> 24.3	<small>(44-74)</small> 25.2	<small>(74+)</small> 31.8
Potassium (K), ppm	192	73					
K, % Base Saturation	2.9	1.2	<small>(&lt;0.64)</small> 20.8	<small>(0.64-1.26)</small> 2.6	<small>(1.27-2.52)</small> 29.1	<small>(2.53-3.78)</small> 54.2	<small>(&gt;3.78)</small> 14.1
Magnesium (Mg), ppm	491	192					
Mg, % Base Saturation	23.1	6.9	<small>(&lt;5)</small> 0.3	<small>(5-10)</small> 3.5	<small>(10-15)</small> 11.4	<small>(15-25)</small> 40.8	<small>(25+)</small> 44.0
Calcium (Ca), ppm	2287	997					
Ca, % Base Saturation	63.4	10.0	<small>(&lt;45)</small> 2.1	<small>(45-55)</small> 18.8	<small>(55-75)</small> 68.4	<small>(75-85)</small> 7.6	<small>(85+)</small> 3.2
pH (1:1)	6.6	0.6	<small>(&lt;5.1)</small> 0.3	<small>(5.1-5.8)</small> 7.2	<small>(5.9-6.0)</small> 64.8	<small>(7.0-7.5)</small> 22.5	<small>(&gt;7.5)</small> 5.2
CEC, meq/100g	17.8	5.5	<small>(&lt;3.1)</small>	<small>(3.1-8.0)</small> 1.9	<small>(8.1-15.0)</small> 27.7	<small>(15.1-25.0)</small> 65.0	<small>(&gt;25.0)</small> 5.5
Sulfur (S), ppm	8	8.2	<small>(&lt;4)</small> 2.9	<small>(4-7)</small> 59.4	<small>(8-12)</small> 34.8	<small>(13-17)</small> 0.5	<small>(&gt;17)</small> 2.4
Zinc (Zn), ppm	4.1	5.7	<small>(&lt;1.0)</small> 0.3	<small>(1.1-2.9)</small> 65.2	<small>(3.0-4.9)</small> 15.1	<small>(5.0-10.0)</small> 10.7	<small>(&gt;10.0)</small> 8.7
Manganese (Mn), ppm	34	13	<small>(&lt;6)</small> 2.3	<small>(6-14)</small> 8.9	<small>(15-19)</small> 12.1	<small>(20-49)</small> 69.6	<small>(&gt;49)</small> 7.0
Iron (Fe), ppm	35	23		<small>(&lt;5)</small> 6.0	<small>(5-9)</small> 6.0	<small>(10-50)</small> 65.4	<small>(&gt;50)</small> 22.6
Copper (Cu), ppm	2.5	4.5		<small>(&lt;0.4)</small>	<small>(0.4-1.1)</small> 19.5	<small>(1.2-3.0)</small> 66.2	<small>(&gt;3.0)</small> 14.3
Boron (B), ppm	0.7	0.6	<small>(&lt;0.4)</small> 34.0	<small>(0.4-0.5)</small> 26.2	<small>(0.6-1.2)</small> 26.7	<small>(1.3-2.5)</small> 9.7	<small>(&gt;2.5)</small> 3.4
Nitrate (NO <sub>3</sub> -N), ppm	18.7	15.3	<small>(&lt;5)</small> 12.1	<small>(5-9)</small> 17.4	<small>(10-19)</small> 34.6	<small>(20-39)</small> 25.8	<small>(&gt;39)</small> 10.1
Ammonium (NH <sub>4</sub> -N), ppm	5.7	4.5	<small>(&lt;5)</small> 45.2	<small>(5-9)</small> 42.6	<small>(10-19)</small> 9.7	<small>(20-39)</small> 2.4	<small>(&gt;39)</small>